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Ambient air quality data summary for the Perth Photochemical Smog Study (October 1992 - April 1995)

Arthur Grieco

**Department of Environmental Protection
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1. Introduction

This report is one of a Technical Series accompanying the final report of the Perth Photochemical Smog Study (PPSS), to which the reader is referred for background information on the study. The PPSS was a joint exercise by Western Power and the Department of Environmental Protection (DEP).

During the PPSS, air quality and meteorological parameters were measured across the Perth metropolitan region. Figure 1 shows a map of Perth with all air quality monitoring stations marked. Table 1 lists the parameters measured at each site and Table 2 summarises the periods of operation of each site.

This document is a summary of the air quality monitoring data gathered by the DEP during the study period 1 October 1992 to 30 April 1995. All the data collected throughout the study are stored in computer data bases and are available for various purposes including further analysis and modelling. The purpose of this data report is to provide a readily accessible summary of the data to potential users.

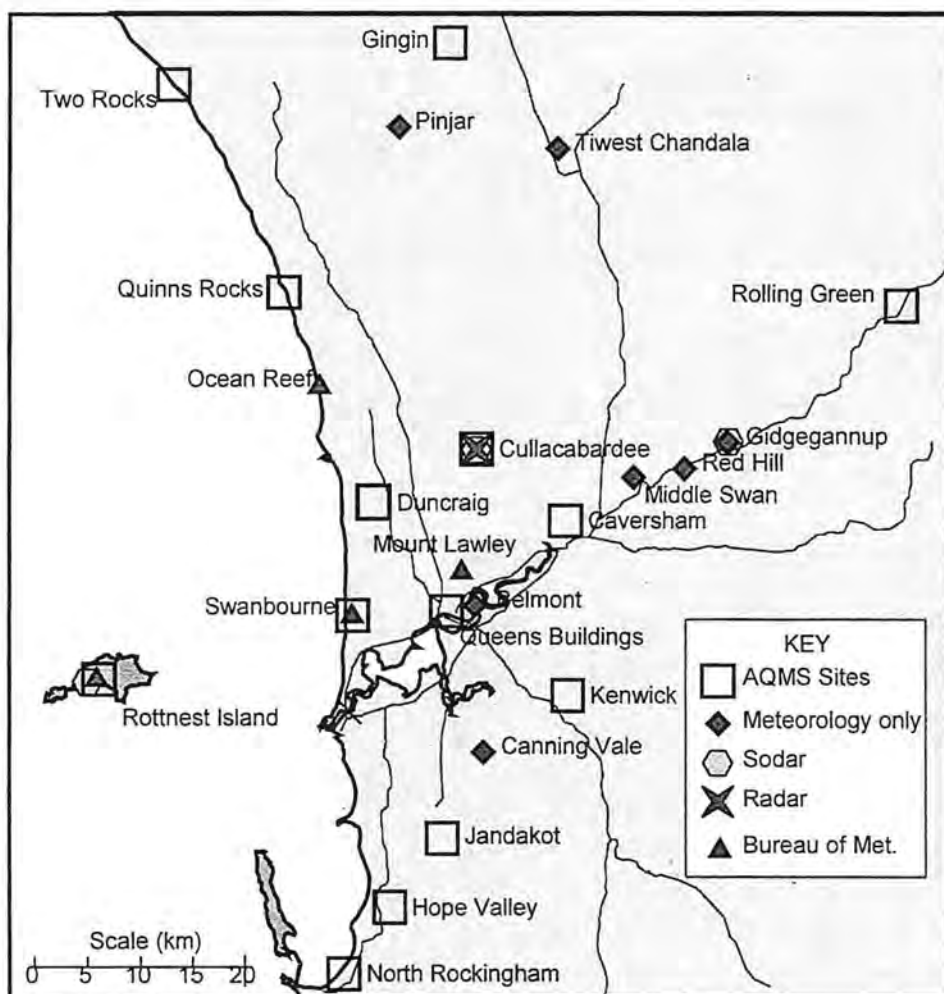


Figure 1 - Map of air quality monitoring sites in Perth.

Table 1 - Parameters Measured at each site in the Perth Photochemical Smog Study

SITE	site code	year	Parameters Measured																					
			O3	NOx	SO2	CO	H/C	TSP	VISI	PM25	PM10	WS10	WD10	AT10	DELT	NR	SR	UV	RAIN	PRES	RH10	ATR	SODR	RASS
Caversham	CA	10/89	•	•		•		•	•	•	•	•	•	•	•	•	•	•			•	•		
Swanbourne	SW	08/92	•	•		•		•	•	•	•	•	•	•					•			•		
Kenwick	KE	09/92	•	•				•	•		•	•	•						•					
Quinns Rocks	QR	10/92	•	•							•	•	•						•					
Cullacubardee	CU	12/92	•	•					•		•	•	•						•		•		•	•
Rolling Green	RG	12/92	•	•							•	•	•											
Rottnest Island	RI	12/92	•	•							•	•	•											
Jandakot	JA	03/94	•	•							•	•	•									•		
Two Rocks	TR	11/92	•	•							•	•	•											
Gingin	GG	08/94	•	•							•	•	•											
Hope Valley	HV	01/89		•	•		•		•		•	•	•	•	•	•		•		•				
Queens Building	QB	07/89		•		•	•	•	•		•								•		•			
Wattleup	WT	03/88			•						•	•	•						•					
Rockingham	RO	10/91	•	•	•																			
Duncraig	DU	02/94						•	•	•		•	•	•										
Gidgegannup	GI	02/93									•	•	•										•	
Middle Swan	MS	09/92									•	•	•											
Naval Base	NB	11/90									•	•	•											
Pinjar	PI	07/93									•	•	•											
Belmont	BE	08/92									•	•	•											
Canning Vale	CV	12/92									•	•	•											
Red Hill	RH	12/92									•	•	•											

Note : Symbols used are:

PARAMETER	PARAMETER DESCRIPTION
O3	ozone
NOx	nitric oxide and nitrogen dioxide
SO2	sulphur dioxide
CO	carbon monoxide
H/C	hydrocarbons
TSP	total suspended particulates
VISI	visibility
PM2.5	sub 2.5 micron particles
PM10	sub 10 micron particles
WS10	wind speed at 10 metres
WD10	wind direction at 10 metres

PARAMETER	PARAMETER DESCRIPTION
AT10	air temperature at 10 metres
DELT	delta temperature
NR	net radiation
SR	solar radiation
UV	solar UV radiation
RAIN	rain gauge
PRES	pressure gauge
RH10	relative humidity
ATR	airtrak smog monitor
SODR	wind profile
RASS	wind and temperature profile

TABLE 2 - Periods of operation of Perth Photochemical Smog Study Sites

		1992				1993				1994				1995								
		-----				-----				-----				---								
		J	F	M	A	J	F	M	A	J	F	M	A	J	F	M	J	F	M			
Caversham	CA	←-----→																			CA	Caversham
Swanbourne	SW	-----→																			SW	Swanbourne
Kenwick	KE	-----→																			KE	Kenwick
Quinns Rocks	QR	-----→																			QR	Quinns Rocks
Cullacubardee	CU	-----→																			CU	Cullacubardee
Rolling Green	RG	-----→																			RG	Rolling Green
Rottnest Island	RI	-----→																			RI	Rottnest Island
Jandakot	JA	-----→																			JA	Jandakot
Two Rocks	TR	-----→																			TR	Two Rocks
Gingin	GG	-----→																			GG	Gingin
Hope Valley	HV	←-----→																			HV	Hope Valley
Queens Building	QB	←-----→																			QB	Queens Building
Wattleup	WT	←-----→																			WT	Wattleup
Rockingham	RO	←-----→																			RO	Rockingham
Duncraig	DU	-----→																			DU	Duncraig
Gidgegannup	GI	-----→																			GI	Gidgegannup
Middle Swan	MS	-----→																			MS	Middle Swan
Naval Base	NB	←-----→																			NB	Naval Base
Pinjar	PI	-----→																			PI	Pinjar
Belmont	BE	-----→																			BE	Belmont
Canning Vale	CV	-----→																			CV	Canning Vale
Red Hill	RH	-----→																			RH	Red Hill
		J	F	M	A	J	F	M	A	J	F	M	A	J	F	M						
		-----				-----				-----				---								
		1992				1993				1994				1995								

Appendix A

OZONE

A1 -
General Statistics

Summary Of Ozone Monitoring

Monitoring Stations	CA	CU	GG	JA	KE	QR	RG	RI	SW	TR
Number of Spring to Autumn periods	6	3	1	1	3	3	3	3	3	2
Number of hours > 120 ppb (NHMRC, Vic EPA)	2(1)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Number of hours > 100 ppb (NHMRC pending)	9(8)	1(0)	0(0)	0(0)	0(0)	0(0)	2(2)	1(1)	2(0)	0(0)
Number of hours > 80 ppb (Canada, WHO)	35(26)	10(6)	2(2)	0	8(5)	8(6)	19(14)	8(6)	12(8)	1(0)
Number of 4 hours > 80 ppb (NHMRC pending)	5(5)	0(0)	0(0)	0(0)	0(0)	0(0)	2(2)	1(1)	1(1)	0(0)
Number of 8 hours > 50 ppb (Vic EPA, WHO)	23(23)	9(9)	4(4)	1(1)	11(10)	14(13)	16(16)	8(8)	14(14)	3(3)
Number of days with 1 hour > 80 ppb	20(18)	7(6)	1(1)	0(0)	6(5)	5(4)	10(7)	5(3)	8(5)	1(0)
Number of days with 1 hour > 100 ppb	6(6)	1(0)	0(0)	0(0)	0(0)	0(0)	1(1)	1(1)	1(0)	0(0)
Number of days with 4 hour periods > 80 ppb	5(5)	0(0)	0(0)	0(0)	0(0)	0(0)	2(2)	1(1)	1(1)	0(0)
Number of days with 8 hour periods > 50 ppb	23(23)	9(9)	4(4)	1(1)	11(10)	14(13)	16(16)	8(8)	14(14)	3(3)
Highest 1 hour (ppb)	133(120)	101(96)	91(89)	73(73)	99(99)	91(89)	112(110)	103(103)	107(99)	94(74)

Figures represent running calculations of ozone exceedences with 10 minute resolution while bracketed figures represent clock hour exceedences.

Number of separate hours per day on which the hourly average ozone concentration exceeded 80 ppb

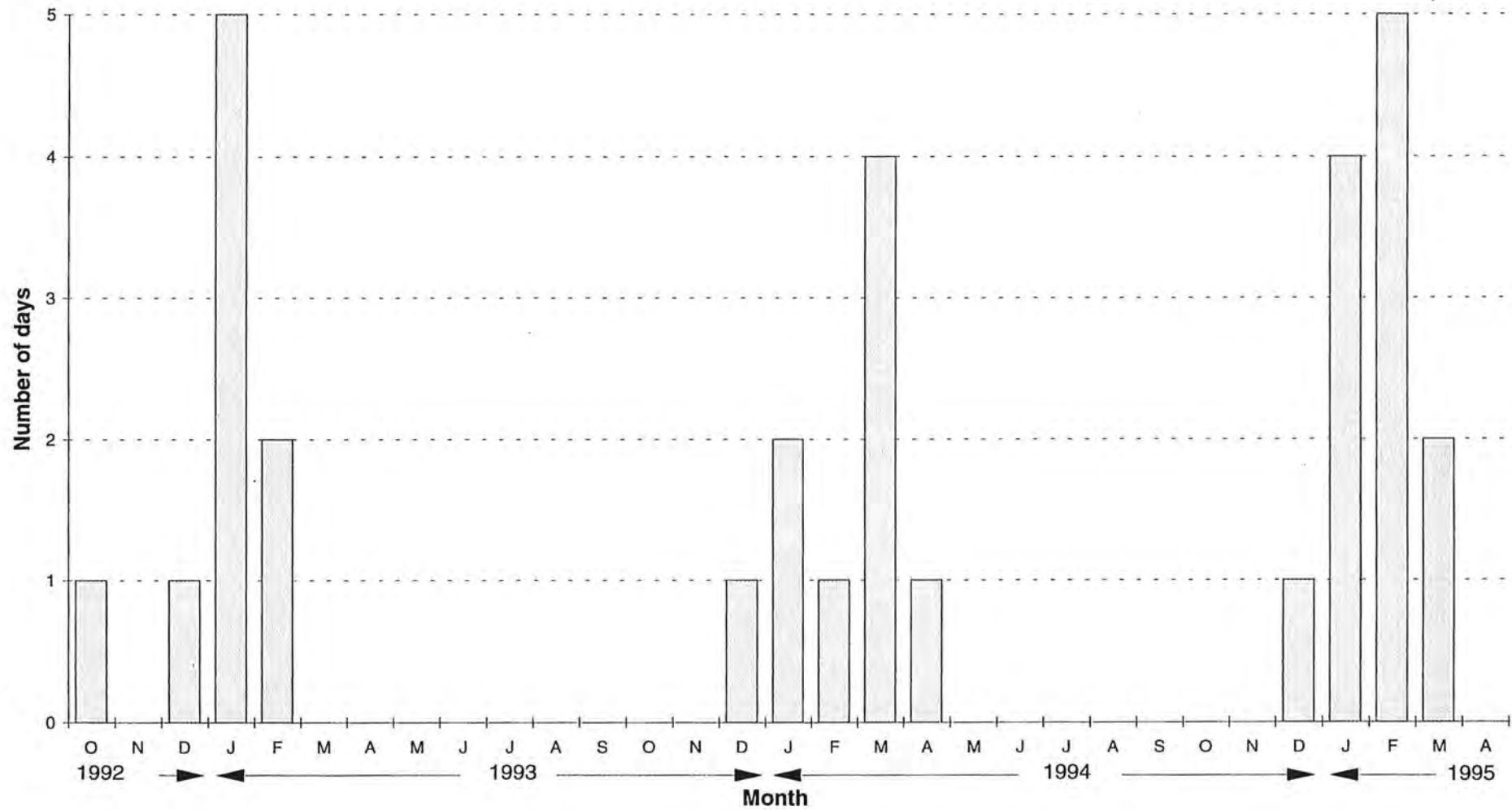
Summer		CA	CU	GG	JA	KE	QR	RG	RI	SW	TR
89/90	28 Feb 90	1(1)									
90/91	18 Jan 91	2(2)									
	20 Jan 91	1(-)									
	22 Feb 91	3(2)									
	02 Mar 91	1(1)									
91/92	29 Jan 92	2(1)									
	07 Mar 92	1(1)									
92/93	22 Oct 92	3(3)				2(1)	-			2(2)	-
	05 Dec 92	-				-	-			1(1)	-
	08 Jan 93	2(1)	1(1)			2(1)	2(2)	-	-	1(1)	-
	12 Jan 93	1(-)	-			-	-	-	-	-	-
	13 Jan 93	2(1)	-			-	-	3(3)	-	-	-
	29 Jan 93	1(1)	1(-)			-	-	2(2)	-	-	-
	30 Jan 93	1(1)	-			-	-	3(2)	-	-	-
	12 Feb 93	-	-			-	1(-)	-	1(-)	-	-
17 Feb 93	1(1)	-			-	-	1(1)	-	-	-	
93/94	19 Dec 93	-	-			1(-)	-	-	-	-	-
	22 Jan 94	3(2)	1(1)			-	-	1(1)	-	-	-
	23 Jan 94	3(2)	-			1(1)	-	-	-	-	-
	19 Feb 94	-	-			-	-	-	1(1)	1(-)	1(-)
	16 Mar 94	-	-		-	-	-	1(-)	-	-	-
	17 Mar 94	1(1)	-		-	-	-	-	-	-	-
	18 Mar 94	-	2(1)		-	-	-	-	-	-	-
	21 Mar 94	-	1(1)		-	-	-	-	-	-	-
	14 Apr 94	-	-		-	-	-	-	-	1(-)	-
94/95	17 Dec 94	-	2(1)	2(2)	-	-	-	3(3)	-	-	-
	16 Jan 95	2(2)	2(1)	-	-	-	-	3(2)	-	-	-
	17 Jan 95	-	-	-	-	-	-	1(-)	-	-	-
	18 Jan 95	2(2)	-	-	-	-	-	-	-	-	-
	31 Jan 95	-	-	-	-	-	-	1(-)	-	-	-
	10 Feb 95	-	-	-	-	-	2(1)	-	2(2)	-	-
	12 Feb 95	2(1)	-	-	-	1(1)	-	-	-	-	-
	17 Feb 95	-	-	-	-	-	-	-	-	1(-)	-
	20 Feb 95	-	-	-	-	-	2(2)	-	3(3)	3(2)	-
	21 Feb 95	-	-	-	-	-	1(1)	-	-	2(2)	-
	22 Mar 95	-	-	-	-	1(1)	-	-	-	-	-
	23 Mar 95	-	-	-	-	-	-	-	1(-)	-	-

Figures represent running hourly ozone exceedences with 10-minute resolution while bracketed figures represent clock hour exceedences.

"-" means the station was operating but no exceedance was recorded.

A blank means that the station was not operating at this time.

**NUMBER OF DAYS PER MONTH ON WHICH PEAK 1 HOUR OZONE CONCENTRATIONS
EXCEEDED 80 PPB SOMEWHERE IN THE PERTH REGION**



Number of separate hours per day on which the hourly average ozone concentration exceeded 100 ppb

Summer		CA	CU	GG	JA	KE	QR	RG	RI	SW	TR
92/93	22 Oct 92	2(2)				-	-				-
	08 Jan 93	1(1)	1(0)			-	-	-	-	-	-
	13 Jan 93	-	-			-	-	2(2)	-	-	-
93/94	23 Jan 94	2(1)	-			-	-	-	-	-	-
	19 Feb 94	-	-			-	-	-	1(1)	-	-
94/95	21 Feb 95	-	-	-	-	-	-	-	-	1(0)	

Figures represent running hourly ozone exceedences with 10-minute resolution while bracketed figures represent clock hour exceedences.

"-" means the station was operating but no exceedance was recorded.

A blank means that the station was not operating at this time.

Number of separate periods in which the 4-hourly average ozone concentration exceeded 80 ppb

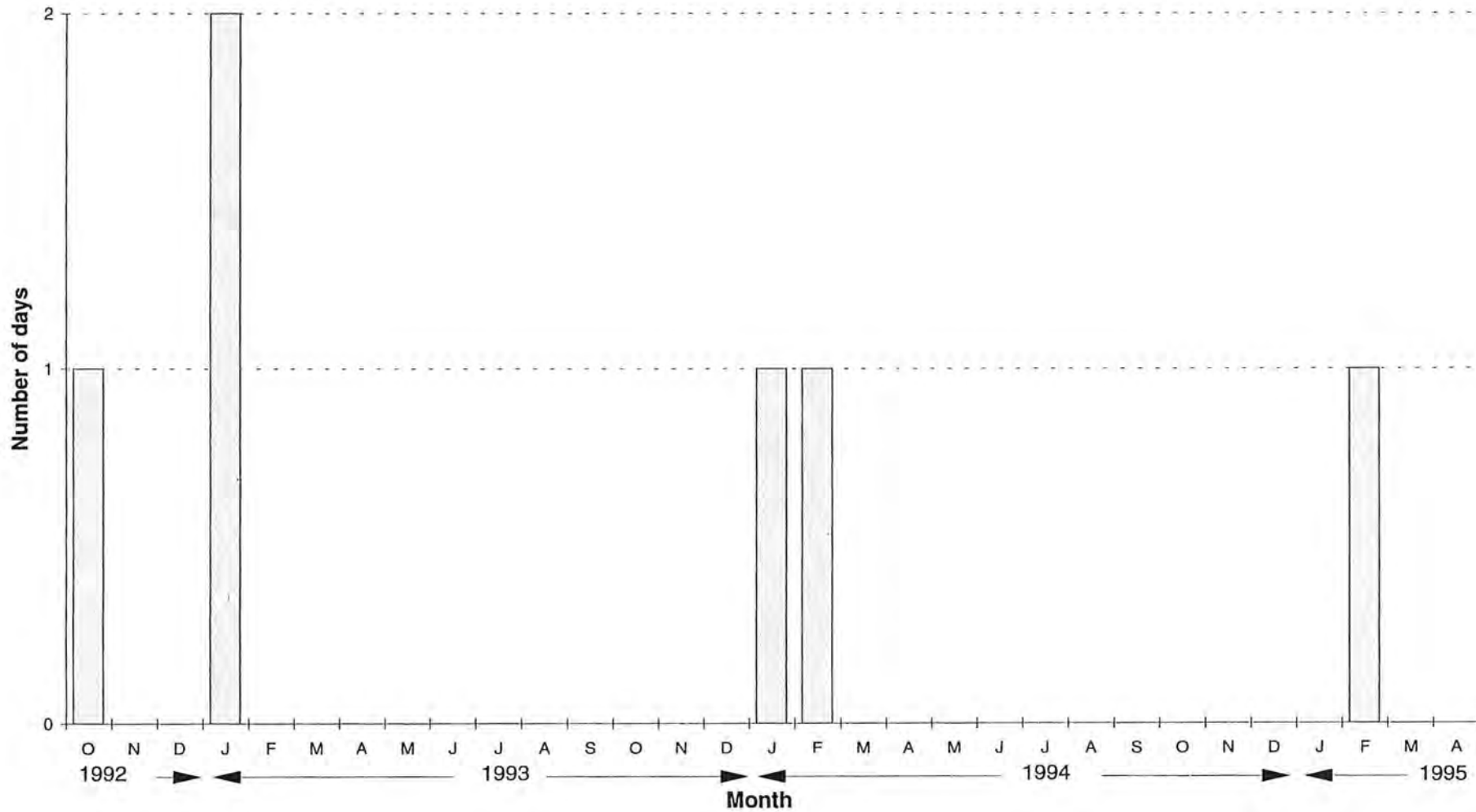
Summer		CA	CU	GG	JA	KE	QR	RG	RI	SW	TR
92/93	22 Oct 92	1				-	-				-
	13 Jan 93	-	-			-	-	1	-	-	-
93/94	22 Jan 94	1	-			-	-	-	-	-	-
	23 Jan 94	1	-			-	-	-	-	-	-
94/95	17 Dec 94	-	-	-	-	-	-	1	-	-	
	20 Feb 95	-	-	-	-	-	-	-	1	1	

Figures represent running 4-hourly ozone exceedences with 10-minute resolution.

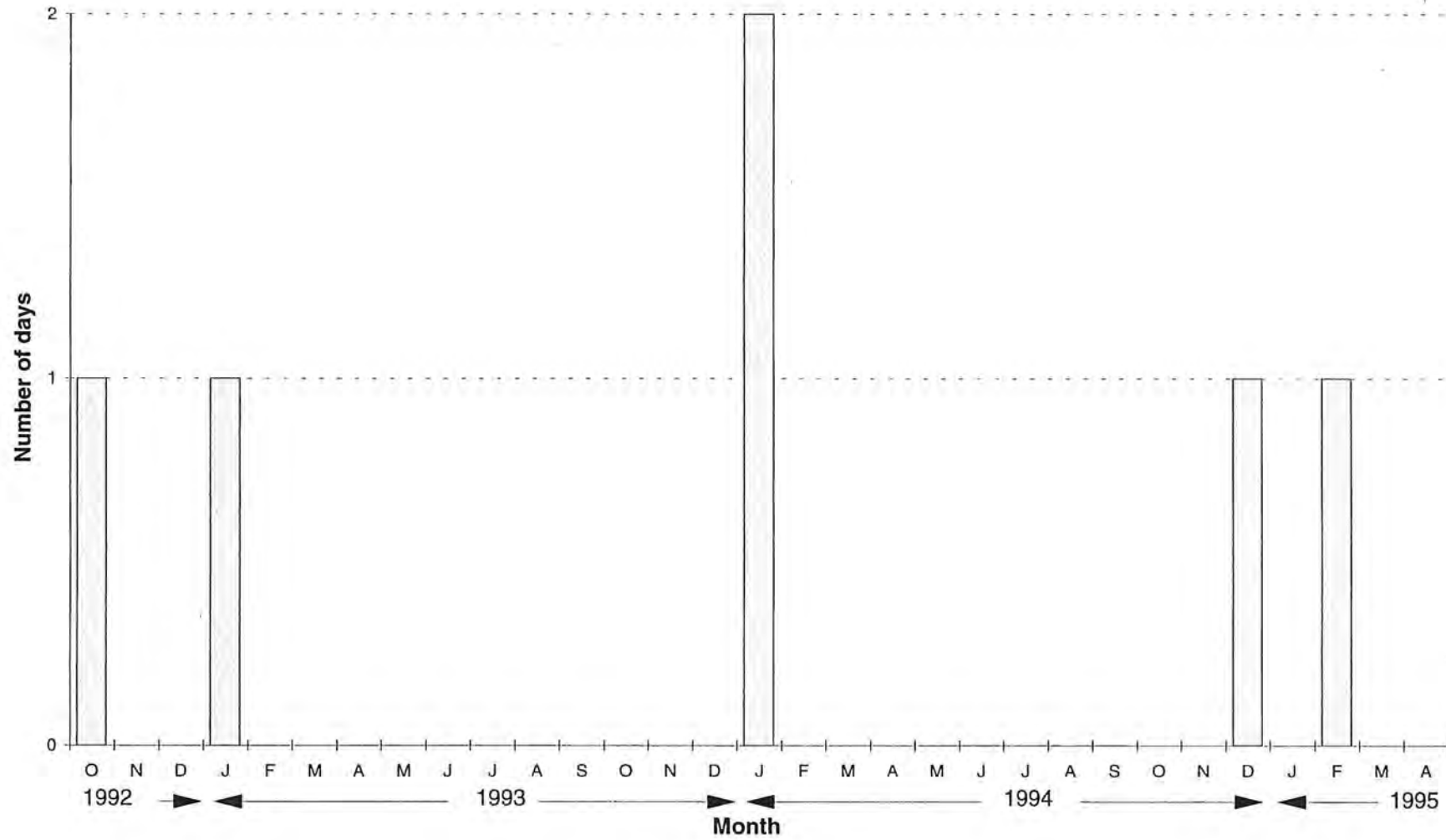
"-" means the station was operating but no exceedance was recorded.

A blank means that the station was not operating at this time.

NUMBER OF DAYS PER MONTH ON WHICH PEAK 1 HOUR OZONE CONCENTRATIONS EXCEEDED 100 PPB SOMEWHERE IN THE PERTH REGION



**NUMBER OF DAYS PER MONTH ON WHICH PEAK 4 HOUR OZONE CONCENTRATIONS
EXCEEDED 80 PPB SOMEWHERE IN THE PERTH REGION**



Days when the 8 hour ozone concentration exceeded 50 ppb at each site

Summer		CA	CU	GG	JA	KE	QR	RG	RI	SW	TR
90/91	17 Jan 91	•									
	18 Jan 91	•									
	19 Jan 91	•									
	22 Feb 91	•									
	05 Apr 91	•									
91/92	20 Dec 91	•									
	23 Dec 91	•									
	28 Jan 92	•									
	29 Jan 92	•									
	02 Mar 92	•									
	07 Mar 92	•									
92/93	22 Oct 92	•				•	-			•	-
	05 Dec 92	-				-	•			•	-
	06 Dec 92	-				-	•			•	-
	07 Jan 93	-	-			-	•	-	•	•	•
	08 Jan 93	-	-			•	•	-	-	•	-
	13 Jan 93	•	-			-	-	•	-	-	-
	30 Jan 93	-	-			-	-	•	-	-	-
	12 Feb 93	-	-			-	•	-	-	•	-
17 Feb 93	-	-			-	-	•	-	-	-	
93/94	23 Nov 93	•	•			•	-	•	-	-	-
	24 Nov 93	-	-			-	•	-	-	-	-
	16 Dec 93	-	-			-	•	-	•	•	•
	17 Dec 93	-	-			-	-	-	-	-	•
	18 Dec 93	•	•			•	-	•	-	-	-
	19 Dec 93	-	-			-	-	•	-	-	-
	31 Dec 93	-	-			-	-	•	-	-	-
	22 Jan 94	•	•			•	-	-	-	-	-
	23 Jan 94	•	•			•	-	•	-	-	-
	19 Feb 94	-	-			-	-	-	-	•	-
	16 Mar 94	-	-		-	-	-	-	-	-	•
	17 Mar 94	-	-		-	-	-	•	-	-	-
	18 Mar 94	-	•		•	-	-	-	-	-	-
	21 Mar 94	-	-		-	•	-	-	-	-	-
	14 Apr 94	-	-		-	-	•	-	-	•	-

“•” means an exceedence was recorded at the site.

“-” means the station was operating but no exceedence was recorded.

A blank means that the station was not operating at this time.

Days when the 8 hour ozone concentration
exceeded 50 ppb at each site
(cont'd)

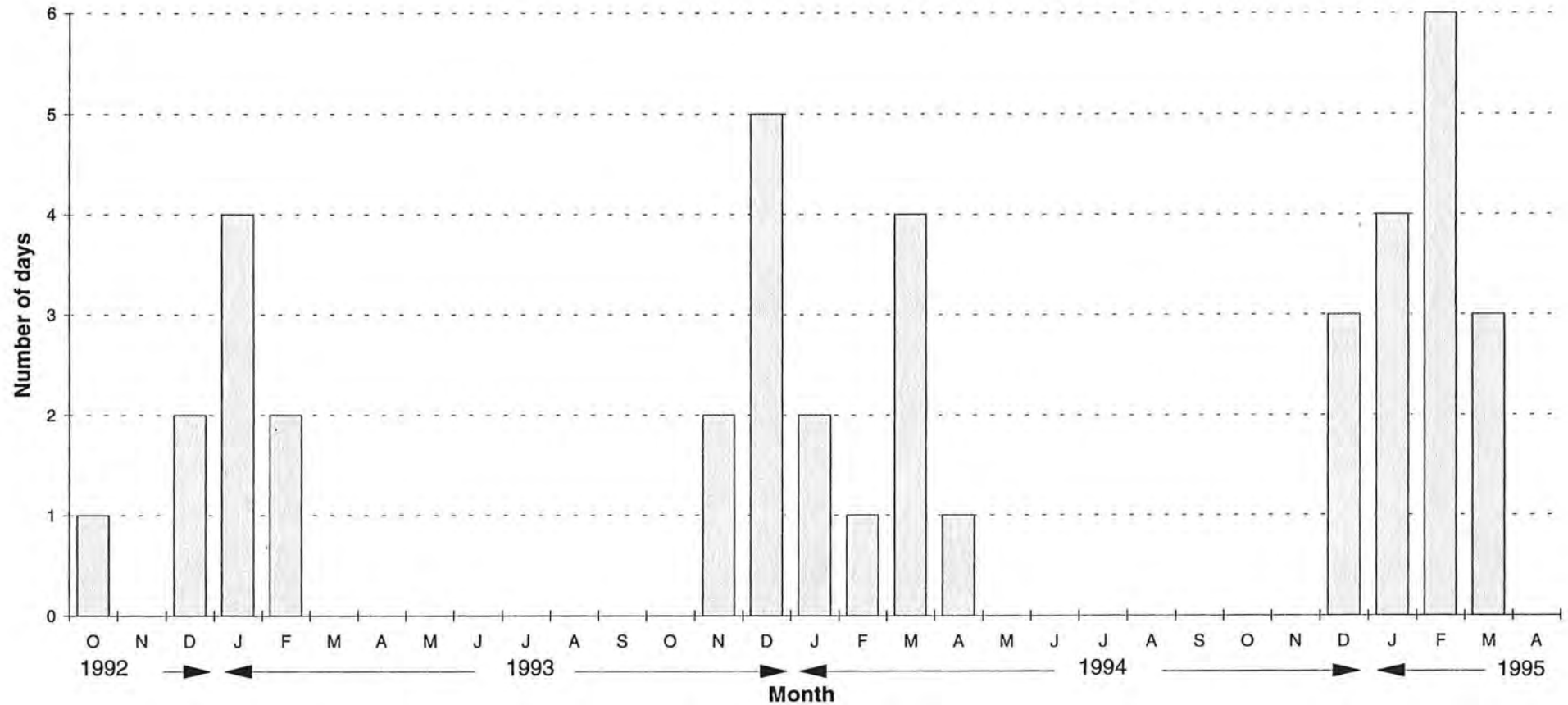
Summer		CA	CU	GG	JA	KE	QR	RG	RI	SW	TR
94/95	10 Dec 94	-	-	-	-	-	-	•	-	-	-
	17 Dec 94	•	•	•	-	•	-	•	-	-	-
	31 Dec 94	•	-	•	-	-	-	•	-	-	-
	16 Jan 95	•	•	•	-	•	-	•	-	-	-
	17 Jan 95	•	-	•	-	-	-	•	-	-	-
	18 Jan 95	•	•	-	-	•	-	•	-	-	-
	31 Jan 95	-	-	-	-	-	-	•	-	-	-
	10 Feb 95	-	-	-	-	-	•	-	•	•	-
	12 Feb 95	•	-	-	-	-	-	-	-	-	-
	17 Feb 95	-	-	-	-	-	•	-	•	•	-
	18 Feb 95	-	-	-	-	-	•	-	-	-	•
	20 Feb 95	-	-	-	-	-	•	-	•	•	-
	21 Feb 95	-	-	-	-	-	•	-	•	•	-
	14 Mar 95	-	-	-	-	-	-	-	•	-	-
	22 Mar 95	-	•	-	-	•	•	-	-	-	-
	23 Mar 95	-	-	-	-	-	-	-	•	-	-

“•” means an exceedence was recorded at the site.

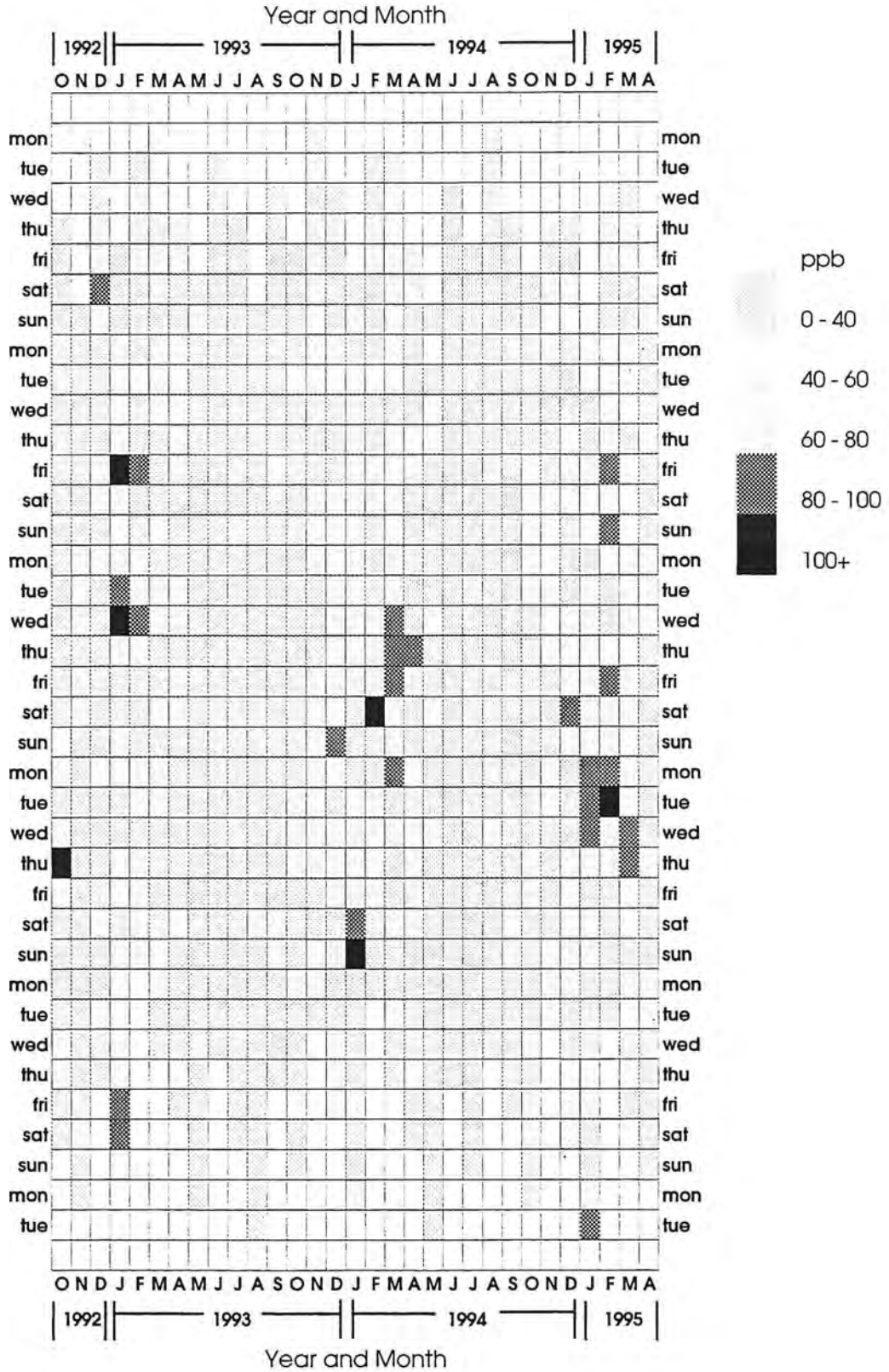
“-” means the station was operating but no exceedence was recorded.

A blank means that the station was not operating at this time.

**NUMBER OF DAYS PER MONTH ON WHICH PEAK 8 HOUR OZONE CONCENTRATIONS EXCEEDED
50 PPB SOMEWHERE IN THE PERTH REGION**

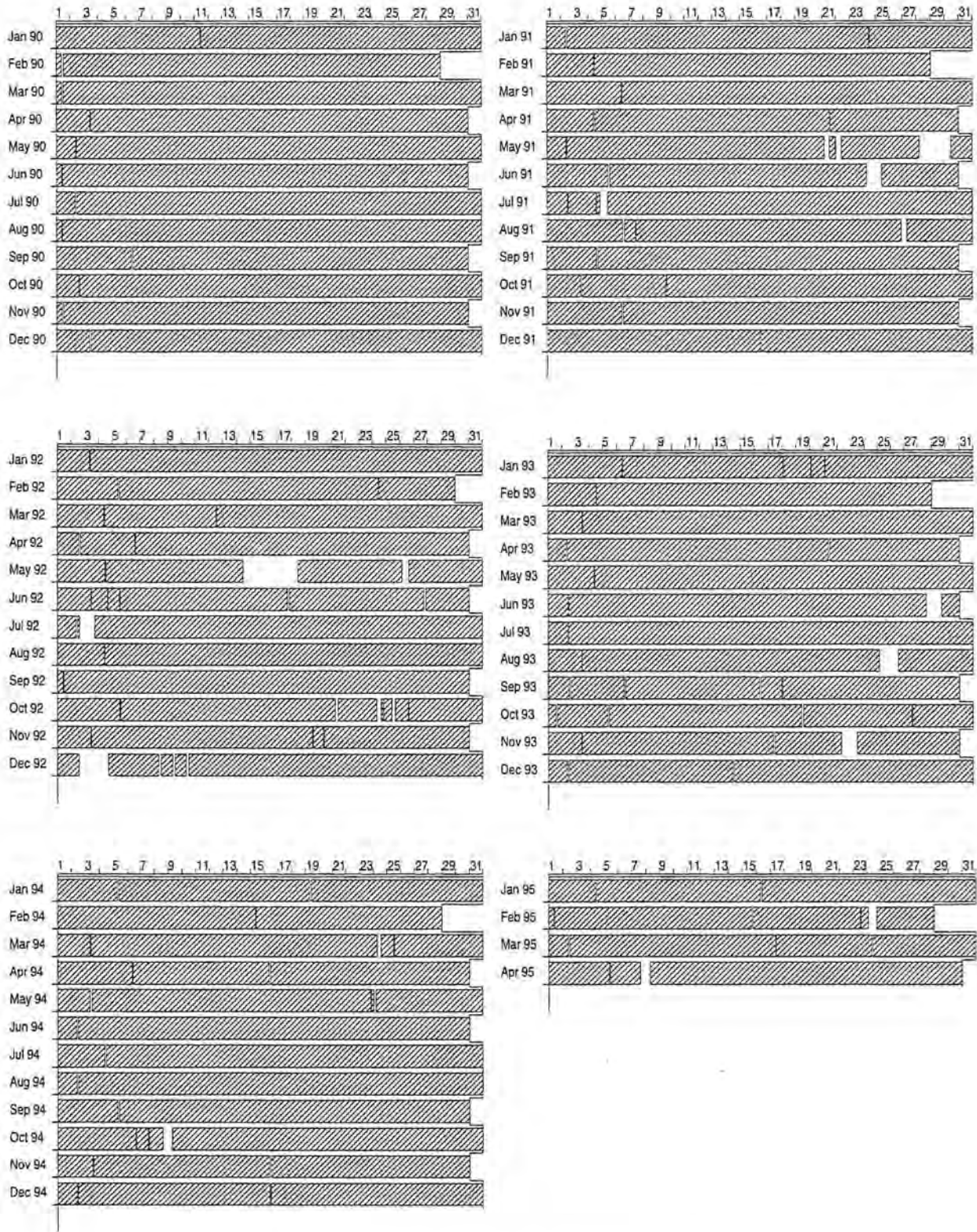


MAXIMUM ONE HOUR OZONE CONCENTRATION IN THE PERTH METROPOLITAN REGION
 DURING THE PERIOD 1 OCTOBER 1992 TO 30 APRIL 1995



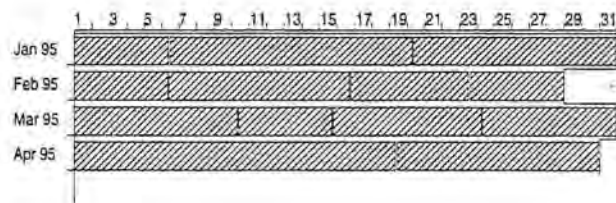
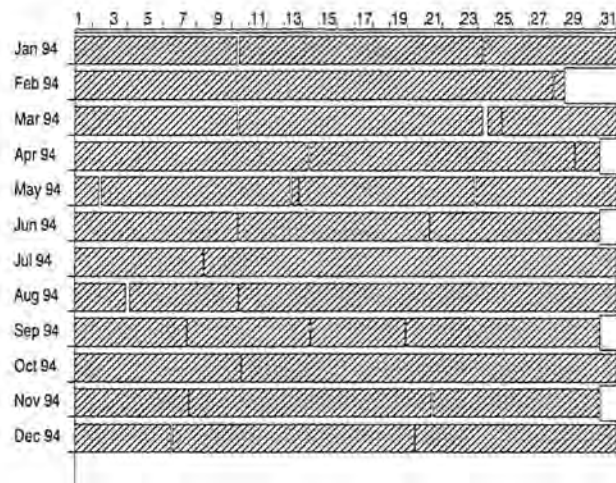
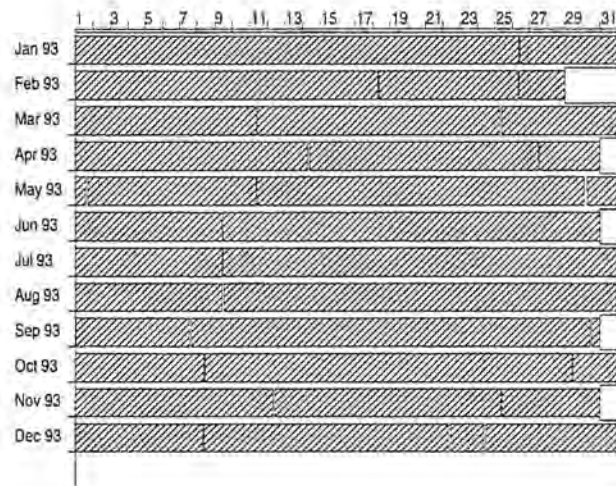
A2 -
Operational periods
of ozone monitors

Periods of operation of the ozone monitor at Caversham air quality monitoring station.



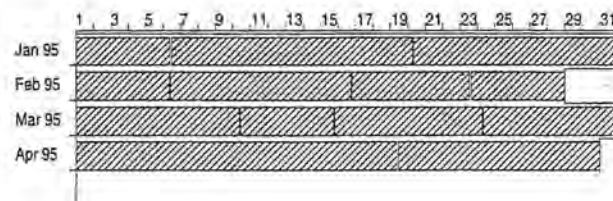
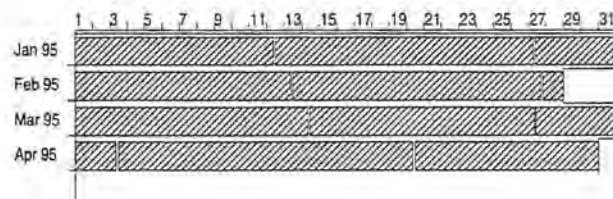
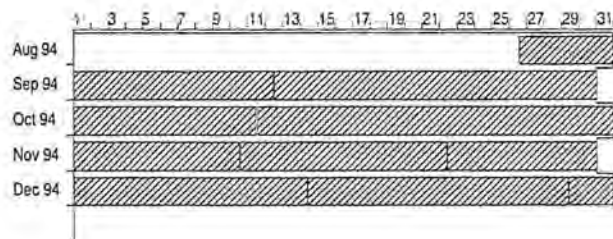
Note: Gaps represent periods when the monitor was being calibrated, out of service for maintenance or experiencing a power supply failure.

Periods of operation of the ozone monitor at Cullacabardee air quality monitoring station.



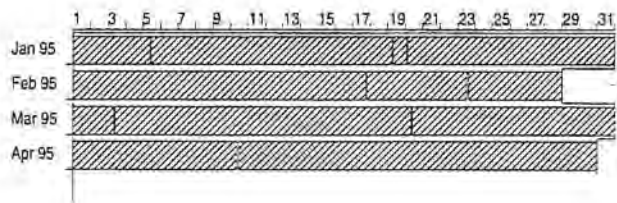
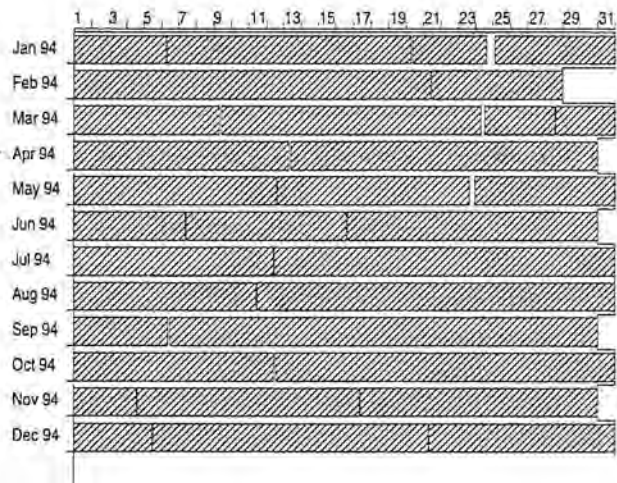
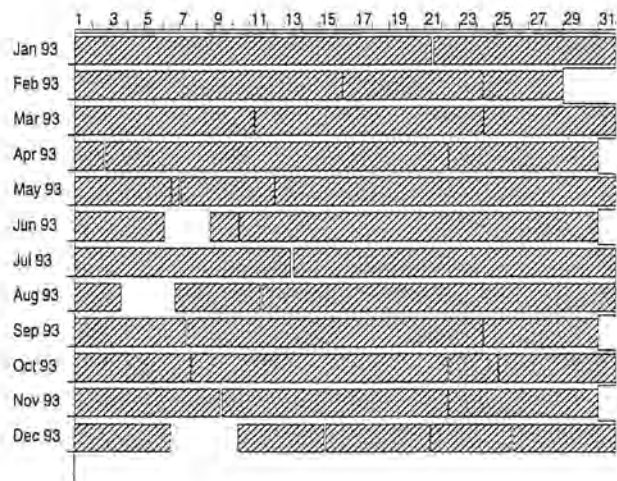
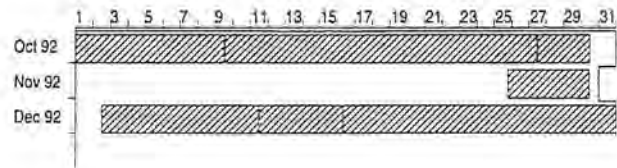
Note: Gaps represent periods when the monitor was being calibrated, out of service for maintenance or experiencing a power supply failure.

Periods of operation of the ozone monitor at Gingin air quality monitoring station.



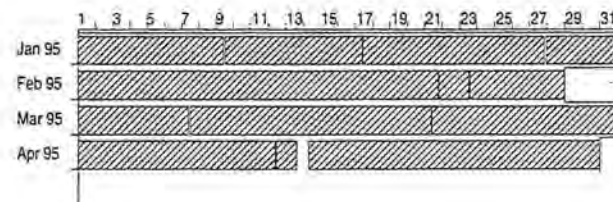
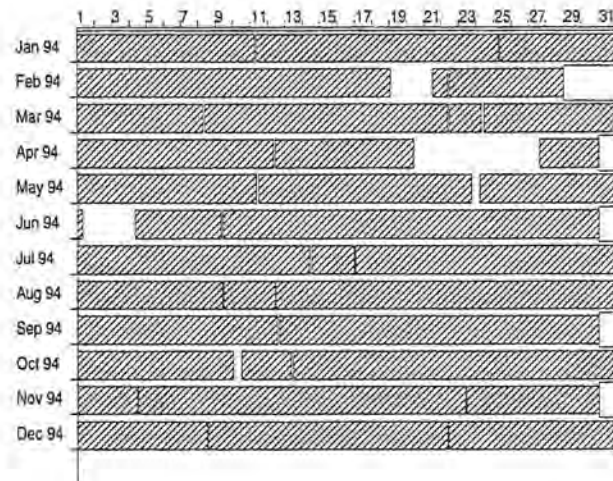
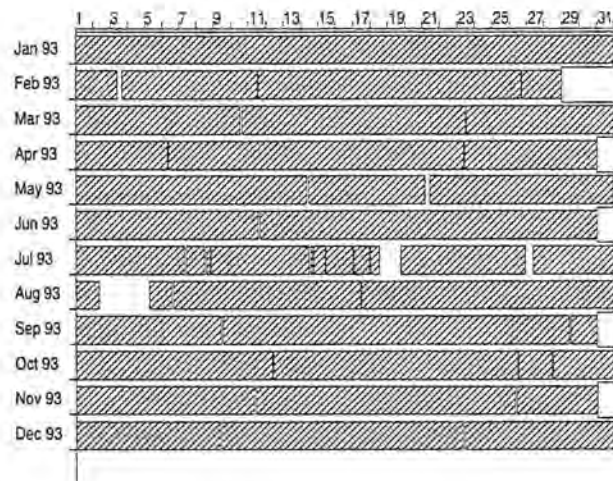
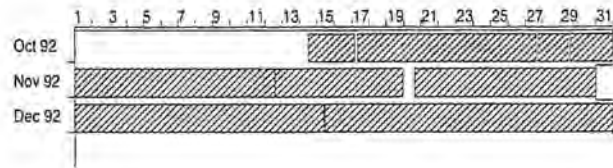
Note: Gaps represent periods when the monitor was being calibrated, out of service for maintenance or experiencing a power supply failure.

Periods of operation of the ozone monitor at Kenwick air quality monitoring station.



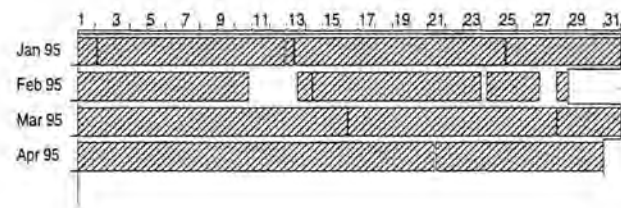
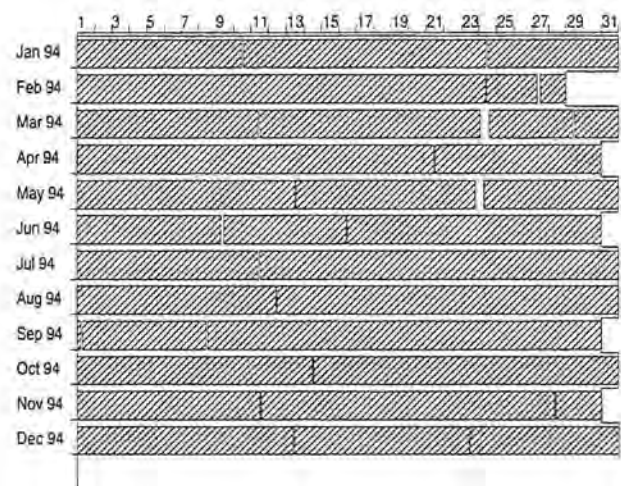
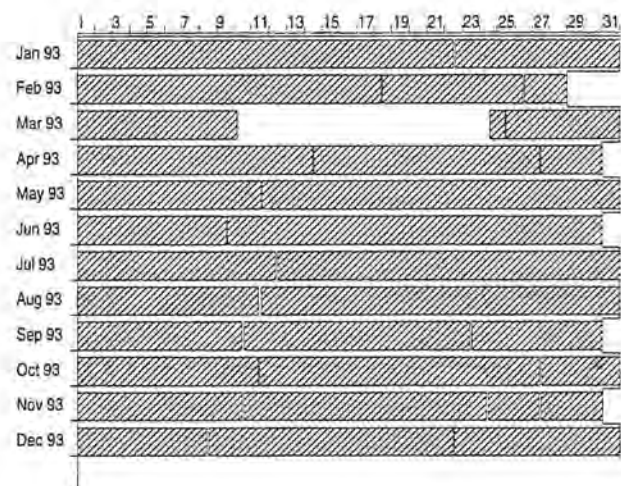
Note: Gaps represent periods when the monitor was being calibrated, out of service for maintenance or experiencing a power supply failure.

Periods of operation of the ozone monitor at Quinns Rocks air quality monitoring station.



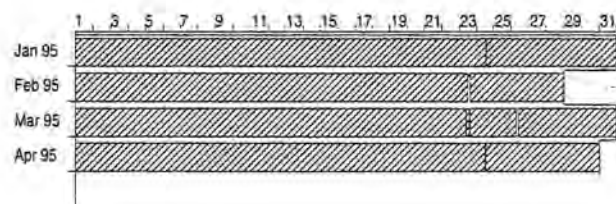
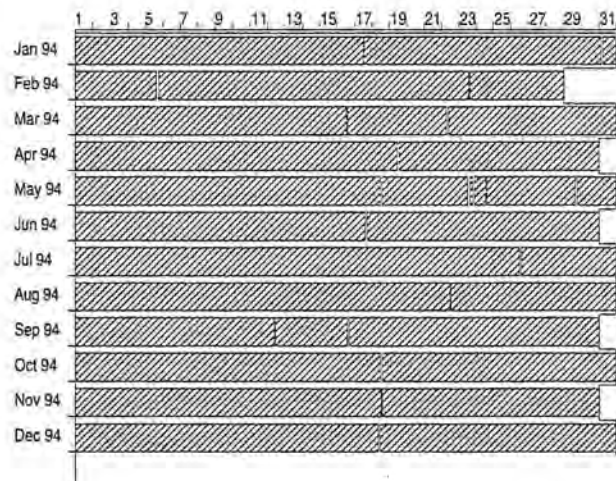
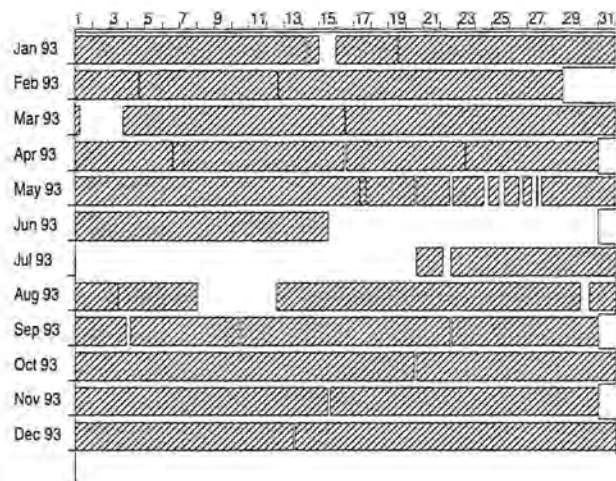
Note: Gaps represent periods when the monitor was being calibrated, out of service for maintenance or experiencing a power supply failure.

Periods of operation of the ozone monitor at Rolling Green air quality monitoring station.



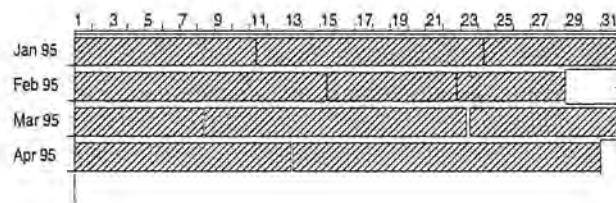
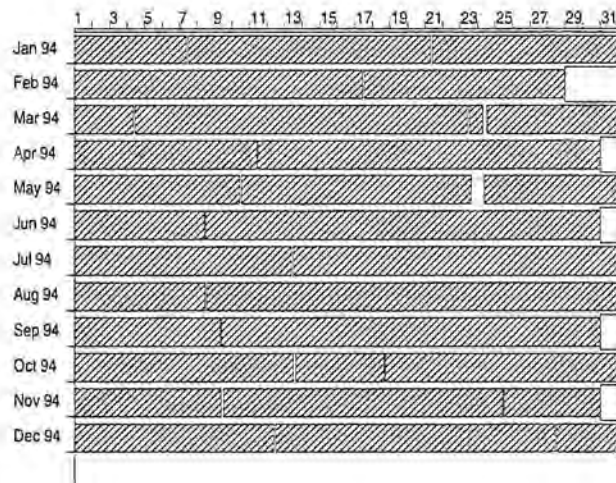
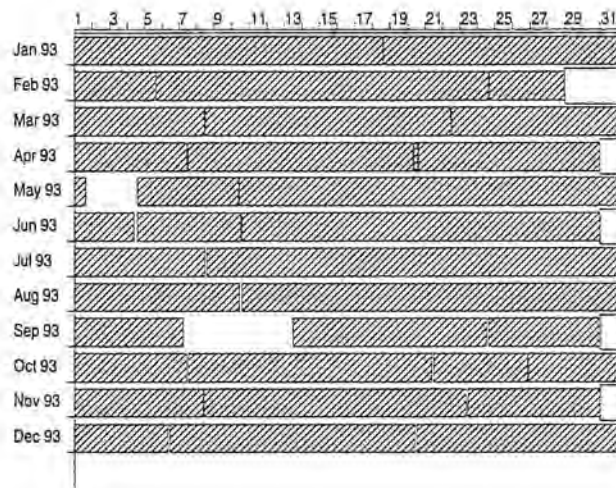
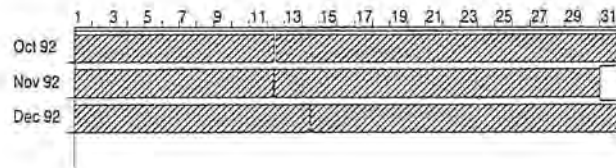
Note: Gaps represent periods when the monitor was being calibrated, out of service for maintenance or experiencing a power supply failure.

Periods of operation of the ozone monitor at Rottnest Island air quality monitoring station.



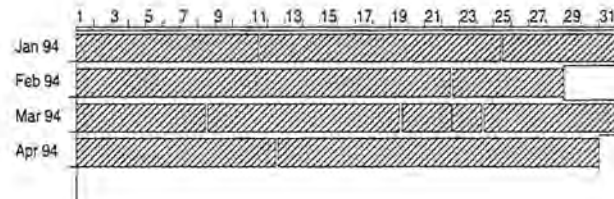
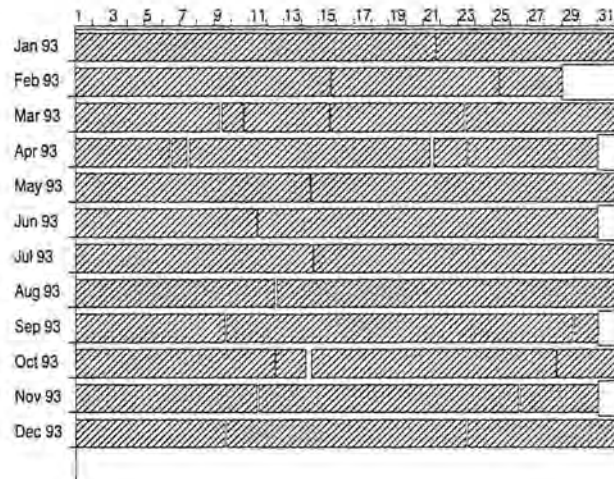
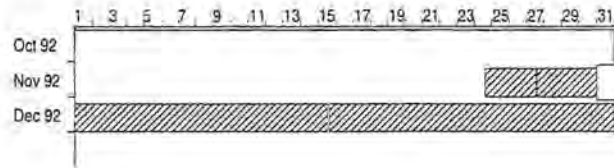
Note: Gaps represent periods when the monitor was being calibrated, out of service for maintenance or experiencing a power supply failure.

Periods of operation of the ozone monitor at Swanbourne air quality monitoring station.



Note: Gaps represent periods when the monitor was being calibrated, out of service for maintenance or experiencing a power supply failure.

Periods of operation of the ozone monitor at Two Rocks air quality monitoring station.

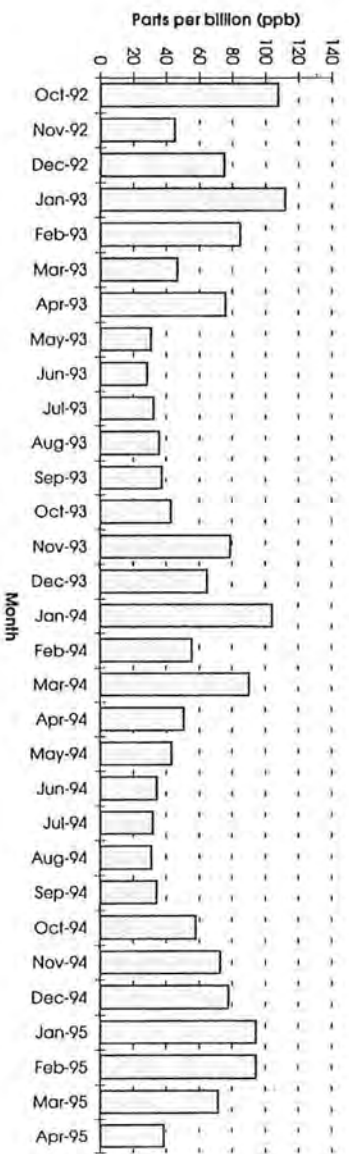


Note: Gaps represent periods when the monitor was being calibrated, out of service for maintenance or experiencing a power supply failure.

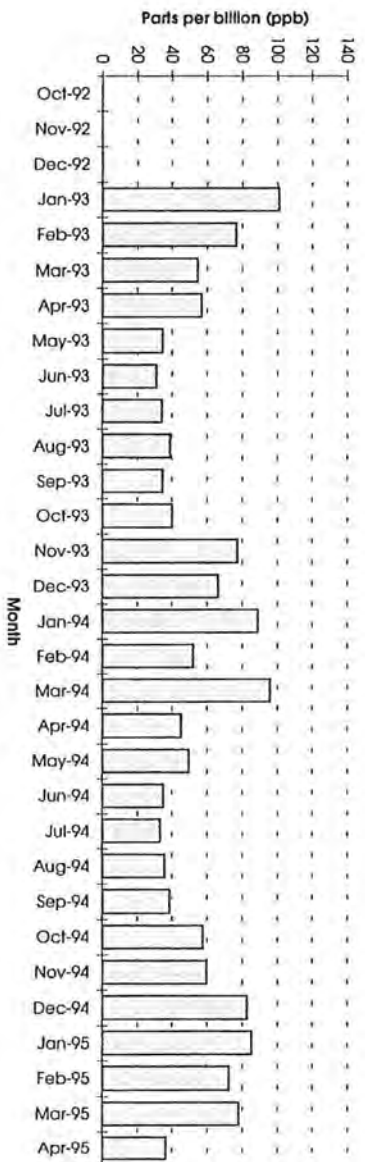
A3 -
Highest hourly ozone
values per month for
each site

Highest hourly ozone values per month for each site in the Perth Photochemical Smog Study

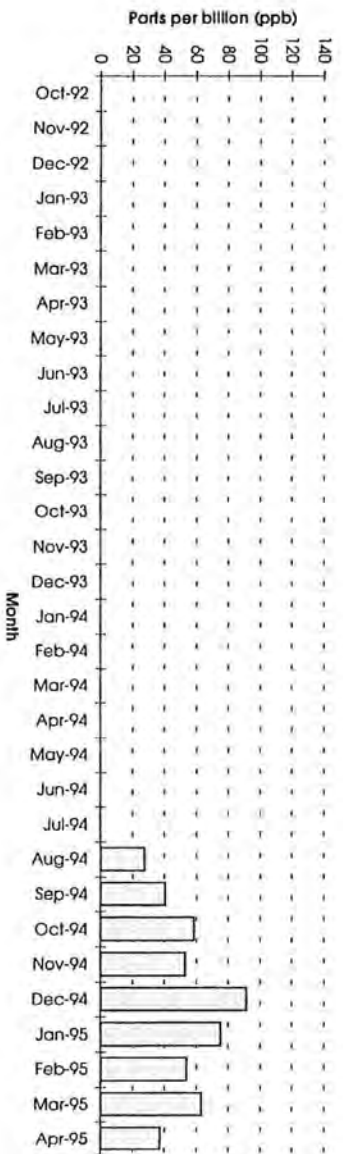
CAVERSHAM



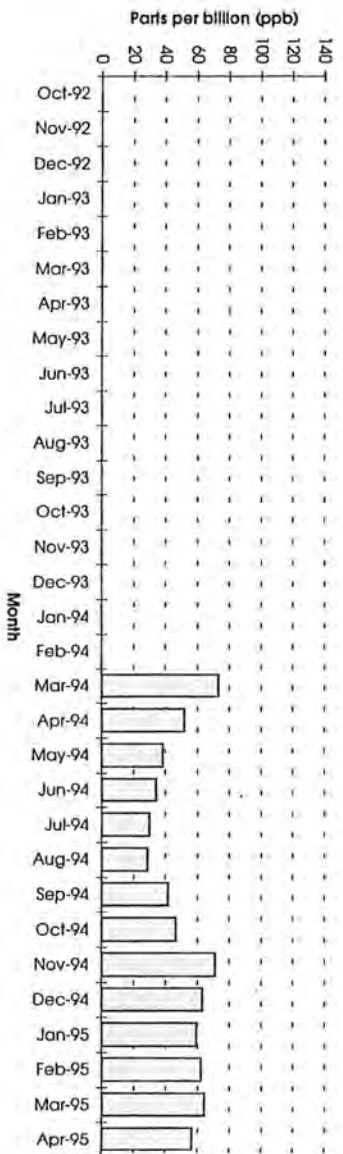
CULLACABARDEE



GINGIN

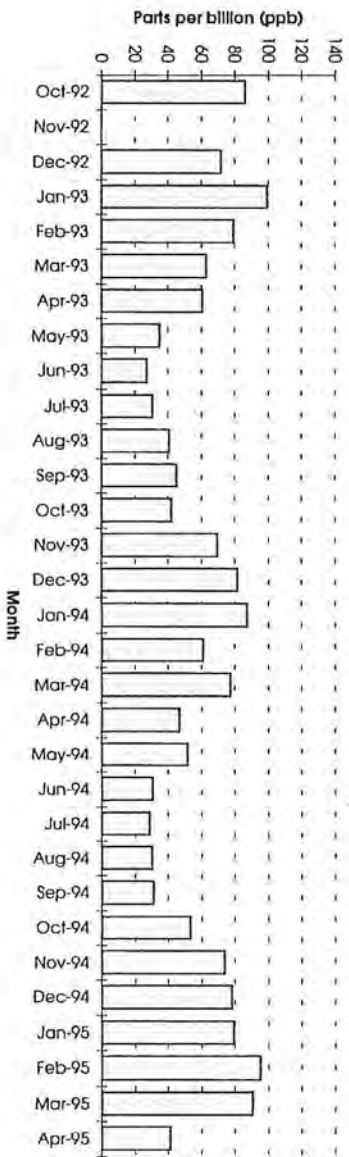


JANDAKOT

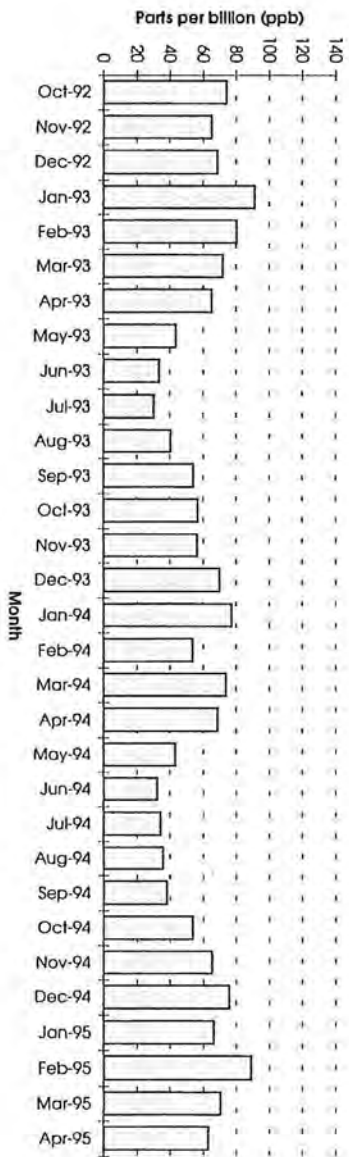


Highest hourly ozone values per month for each site in the Perth Photochemical Smog Study
(cont'd)

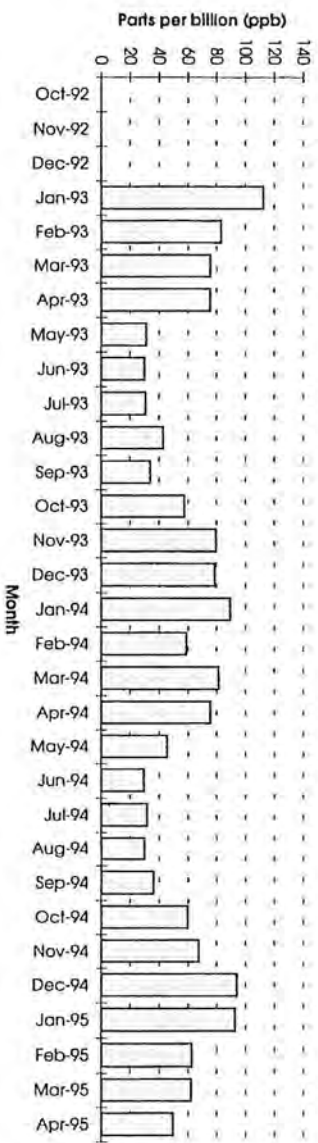
KENWICK



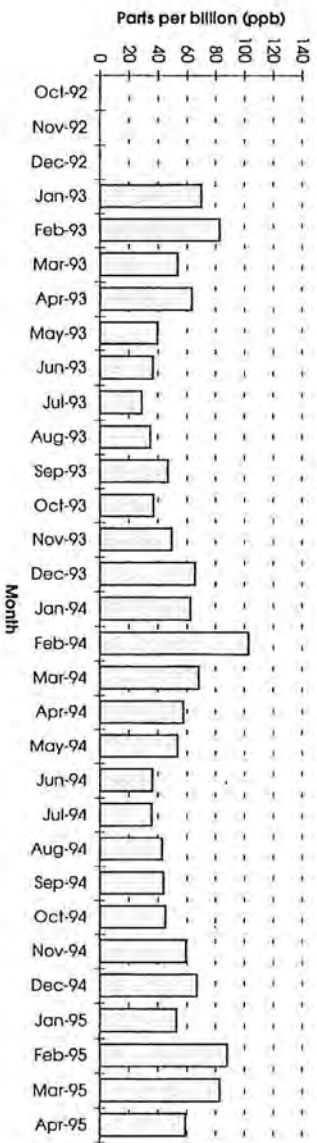
QUINNS ROCKS



ROLLING GREEN

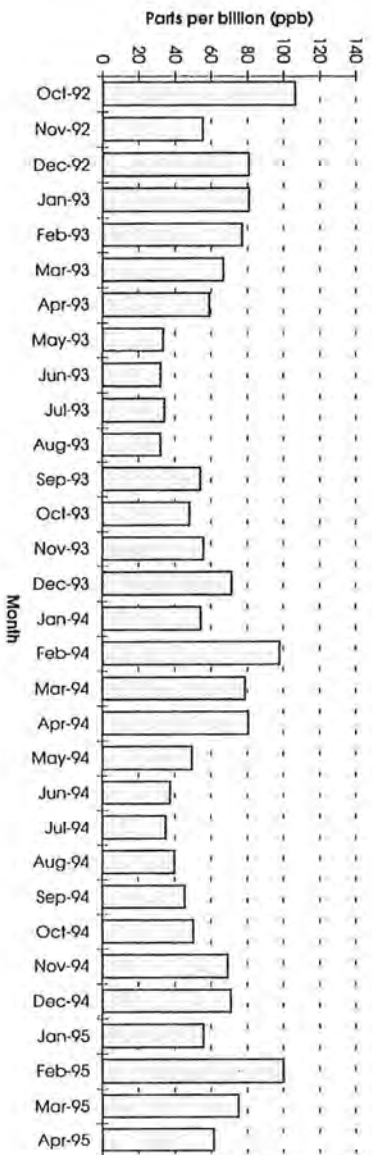


ROTTNEST ISLAND

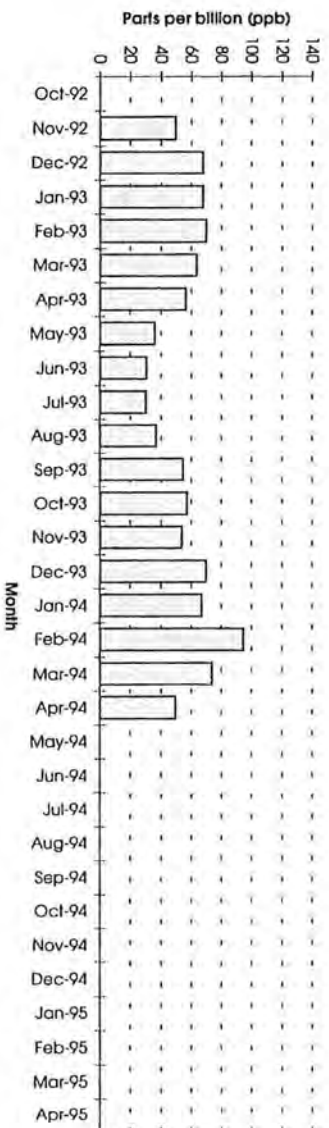


Highest hourly ozone values per month for each site in the Perth Photochemical Smog Study
(cont'd)

SWANBOURNE

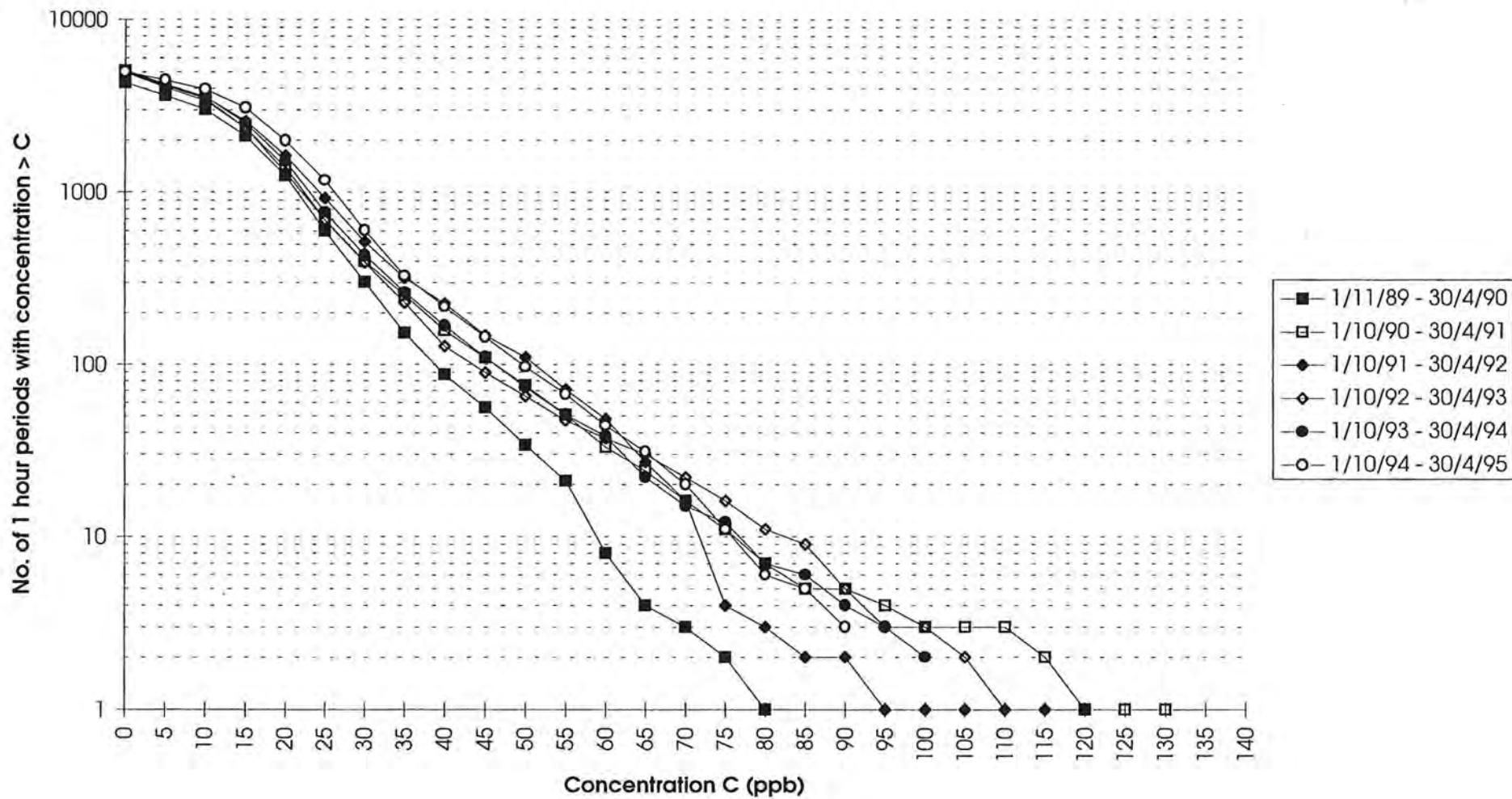


TWO ROCKS

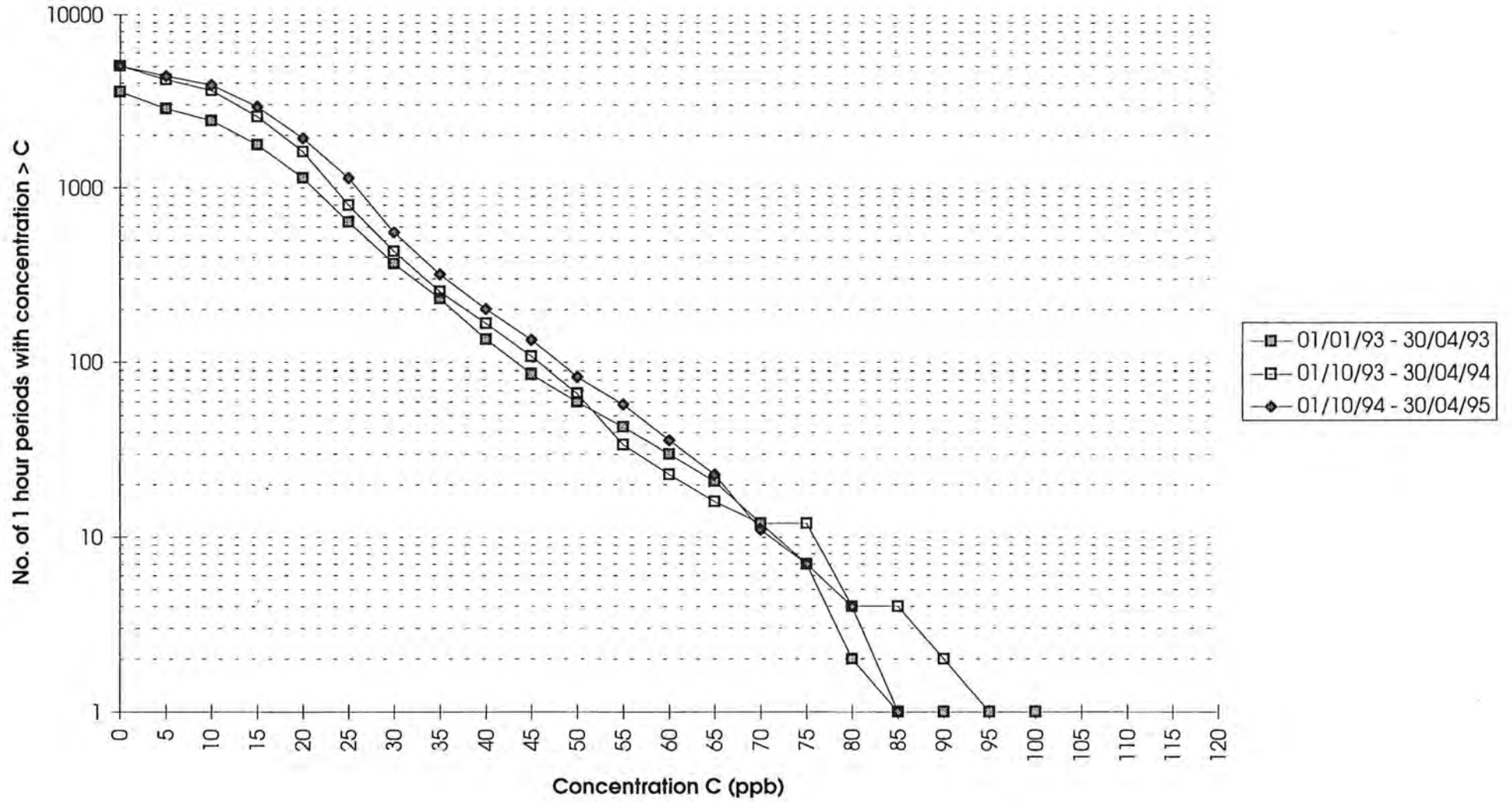


A4 -
Ozone cumulative
frequency graphs

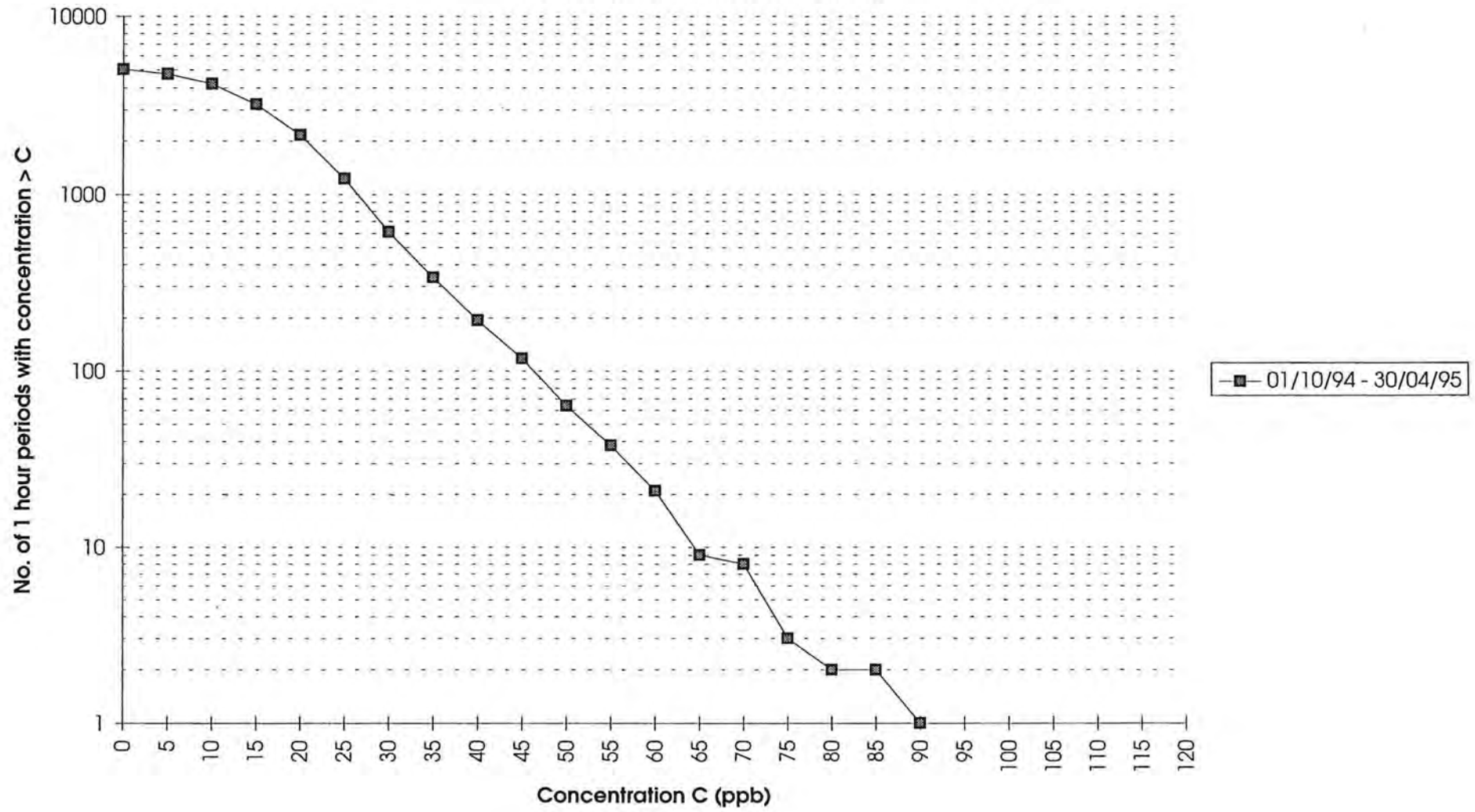
CUMULATIVE FREQUENCY GRAPH FOR OZONE AT CAVERSHAM (SPRING TO AUTUMN PERIOD)



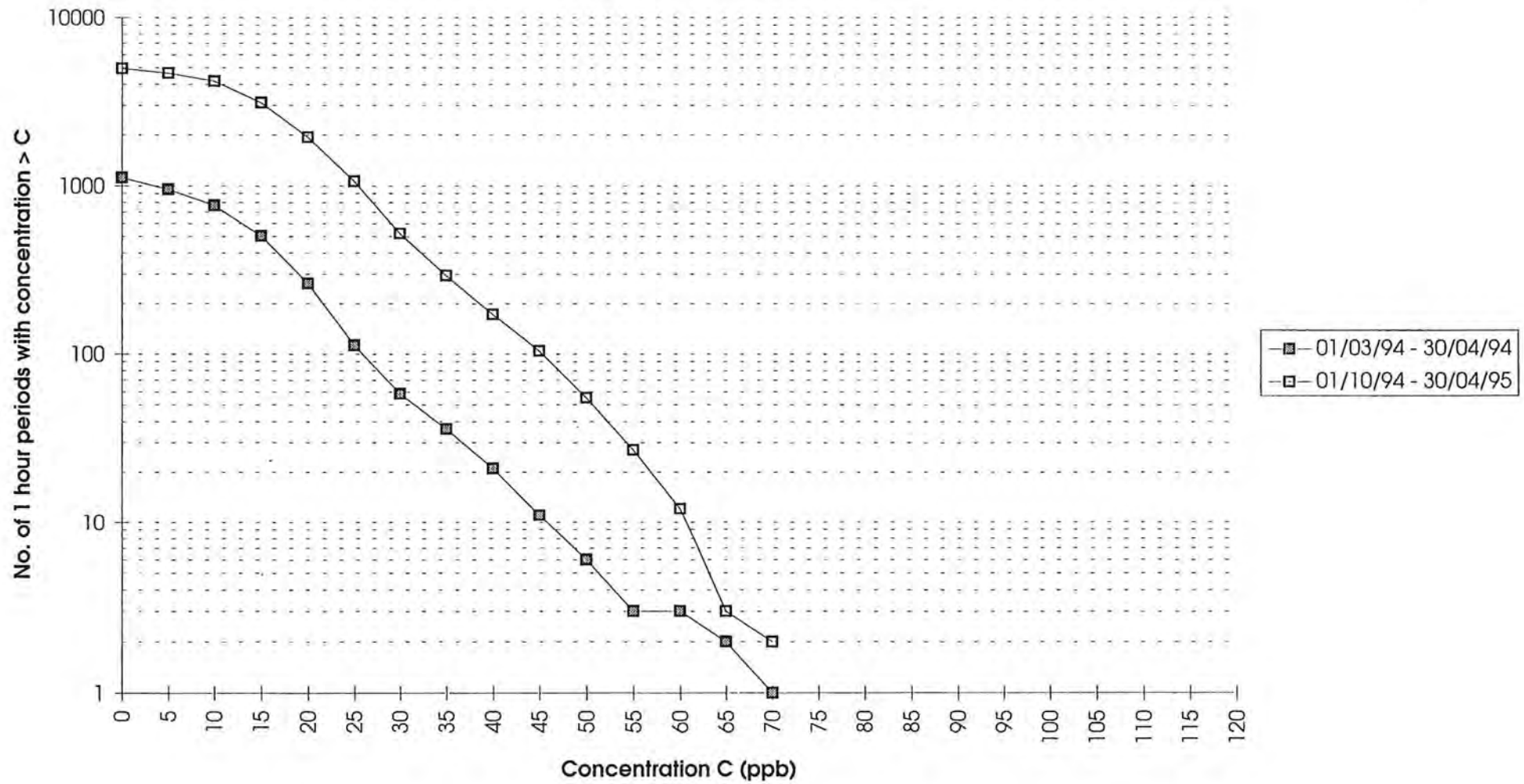
**CUMULATIVE FREQUENCY GRAPH FOR OZONE AT CULLACABARDEE
(SPRING TO AUTUMN PERIOD)**



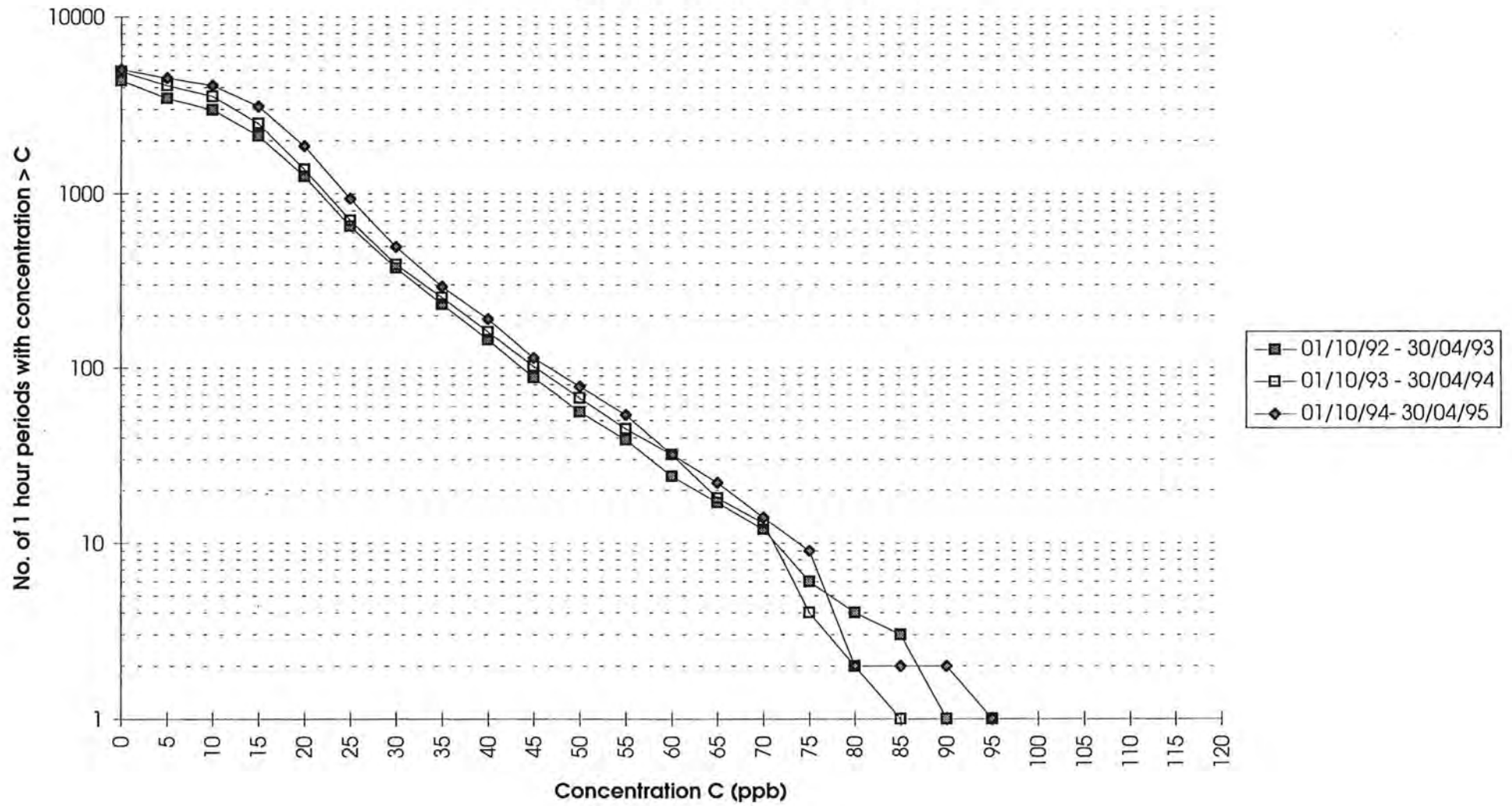
**CUMULATIVE FREQUENCY GRAPH FOR OZONE AT GINGIN
(SPRING TO AUTUMN PERIOD)**



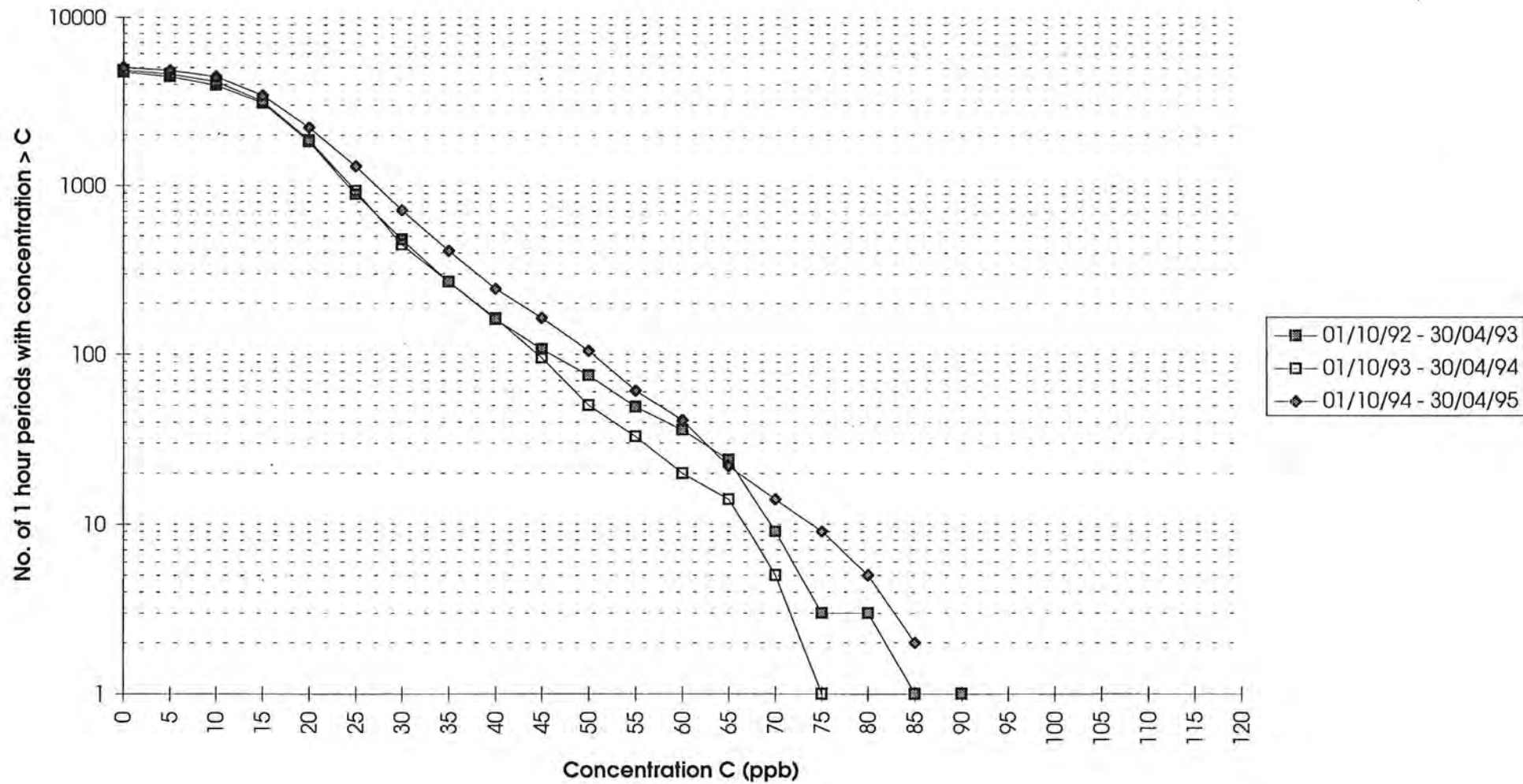
CUMULATIVE FREQUENCY GRAPH FOR OZONE AT JANDAKOT (SPRING TO AUTUMN PERIOD)



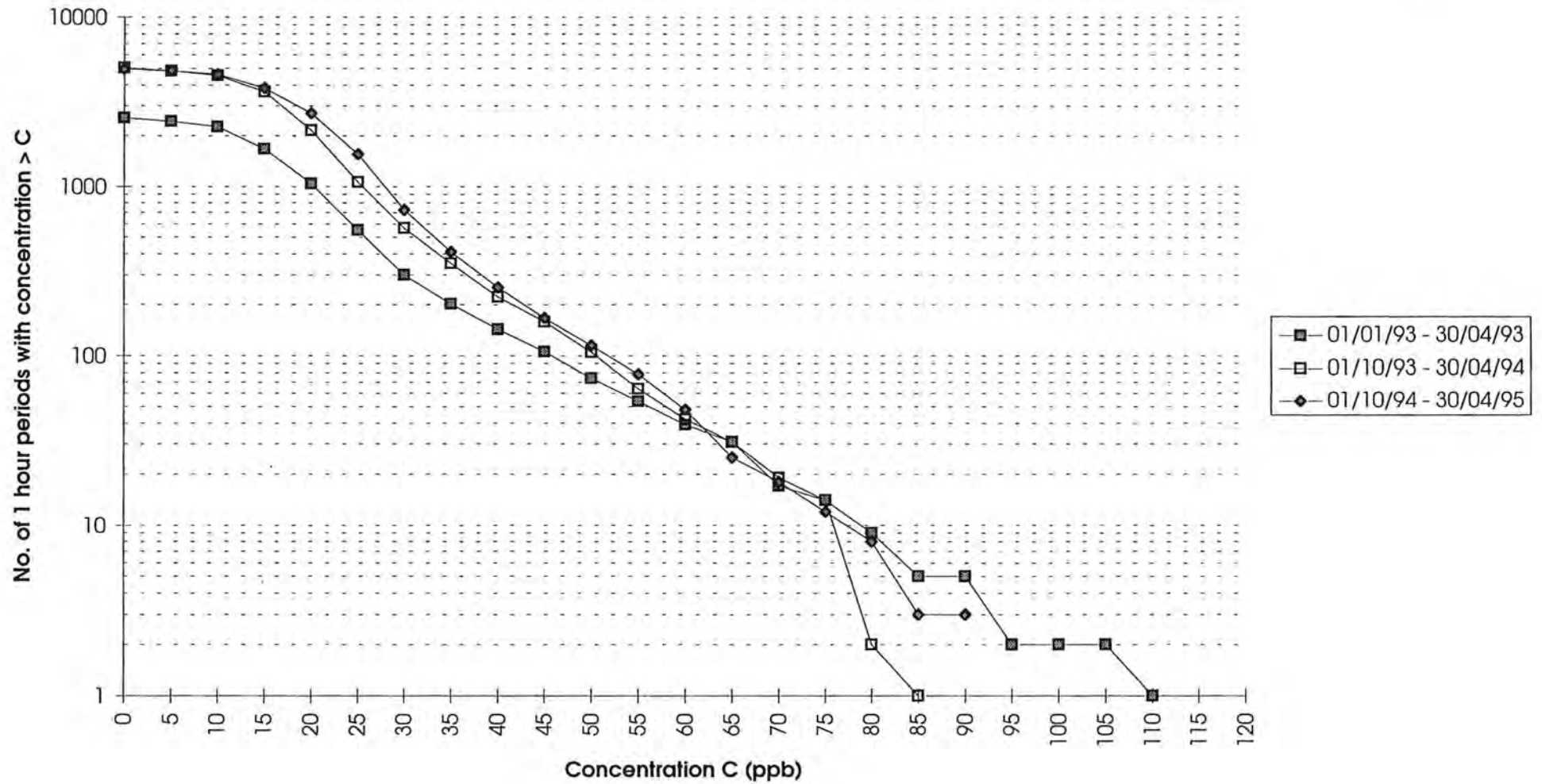
**CUMULATIVE FREQUENCY GRAPH FOR OZONE AT KENWICK
(SPRING TO AUTUMN PERIOD)**



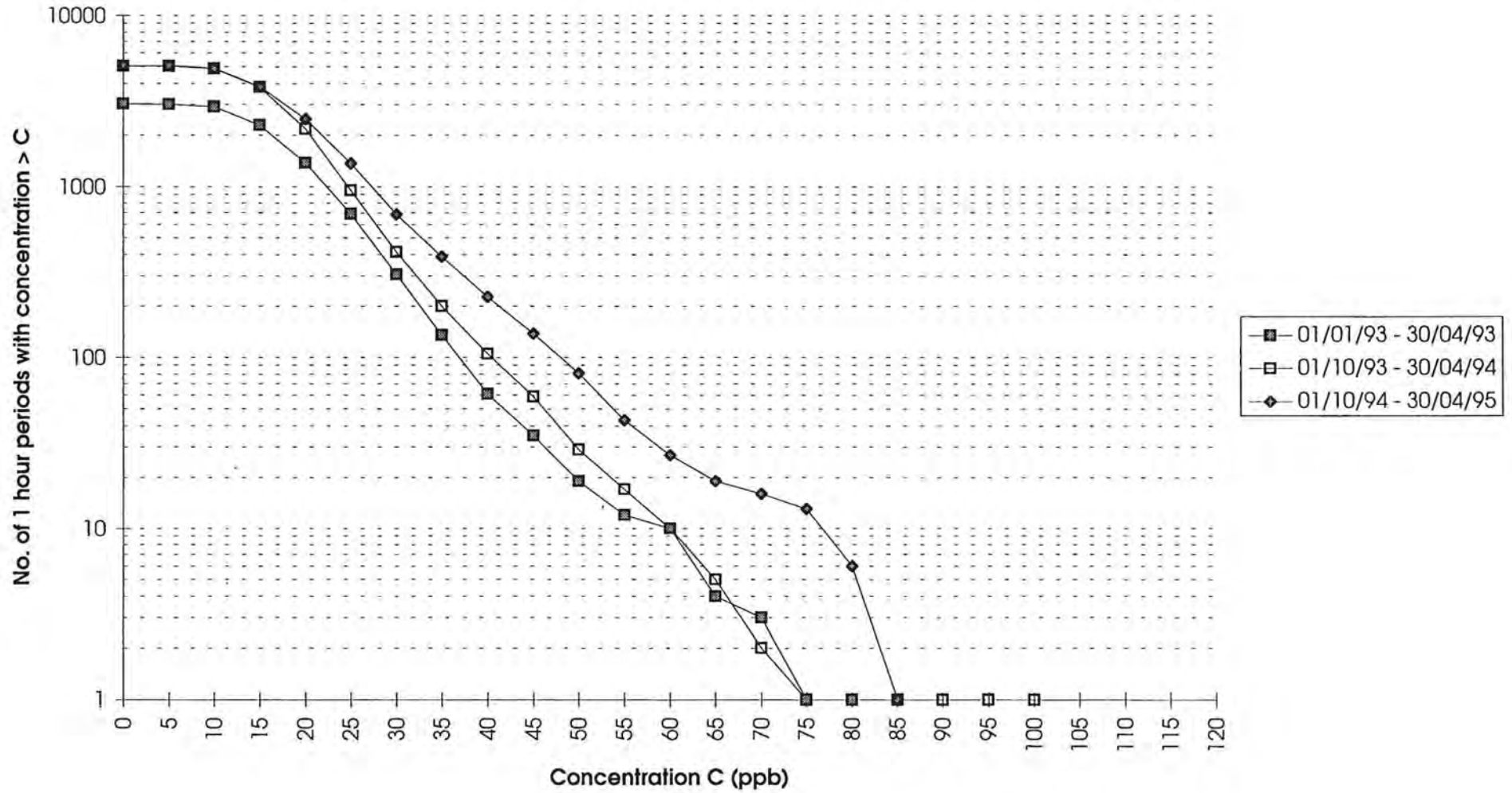
**CUMULATIVE FREQUENCY GRAPH FOR OZONE AT QUINNS ROCKS
(SPRING TO AUTUMN PERIOD)**



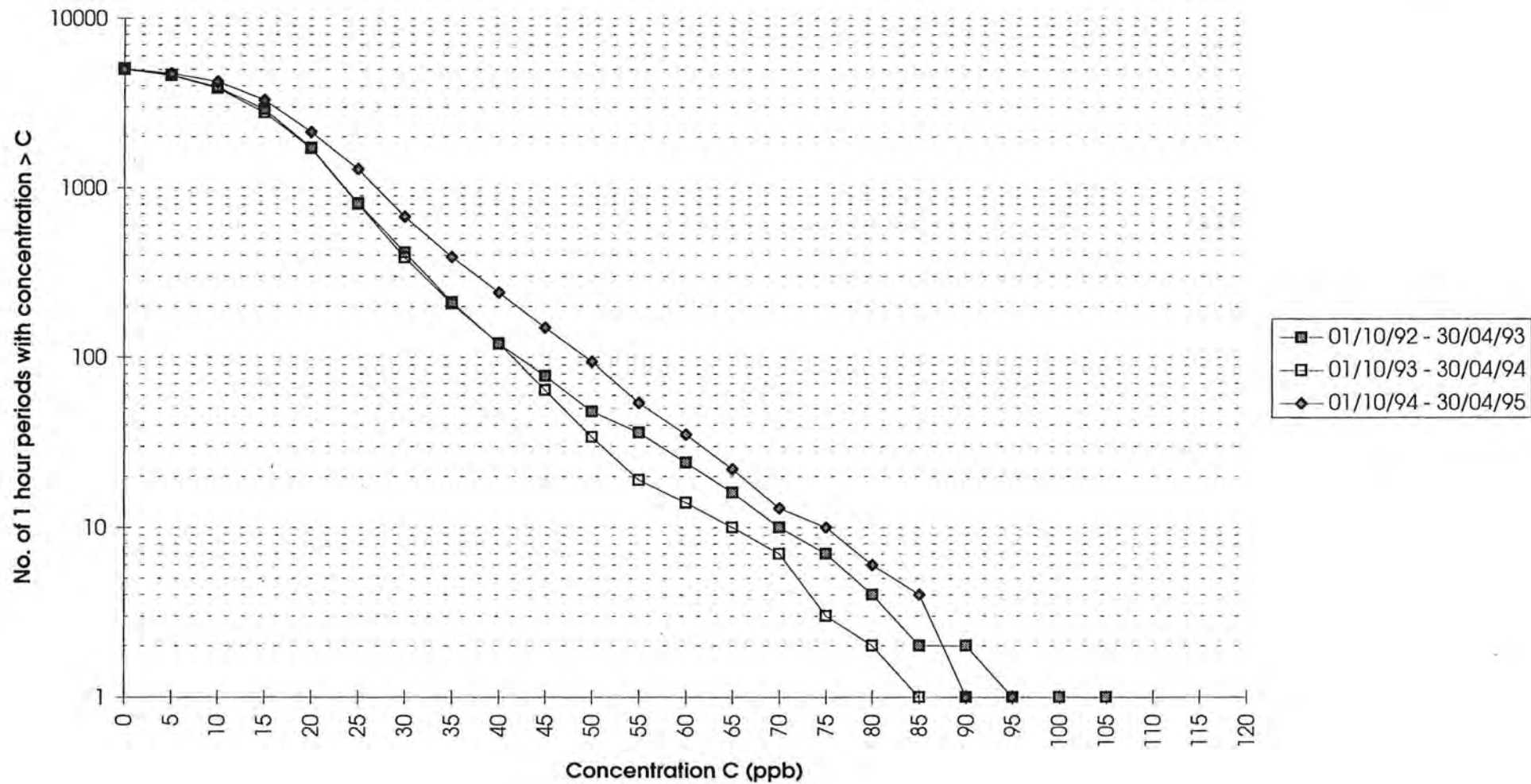
**CUMULATIVE FREQUENCY GRAPH FOR OZONE AT ROLLING GREEN
(SPRING TO AUTUMN PERIOD)**



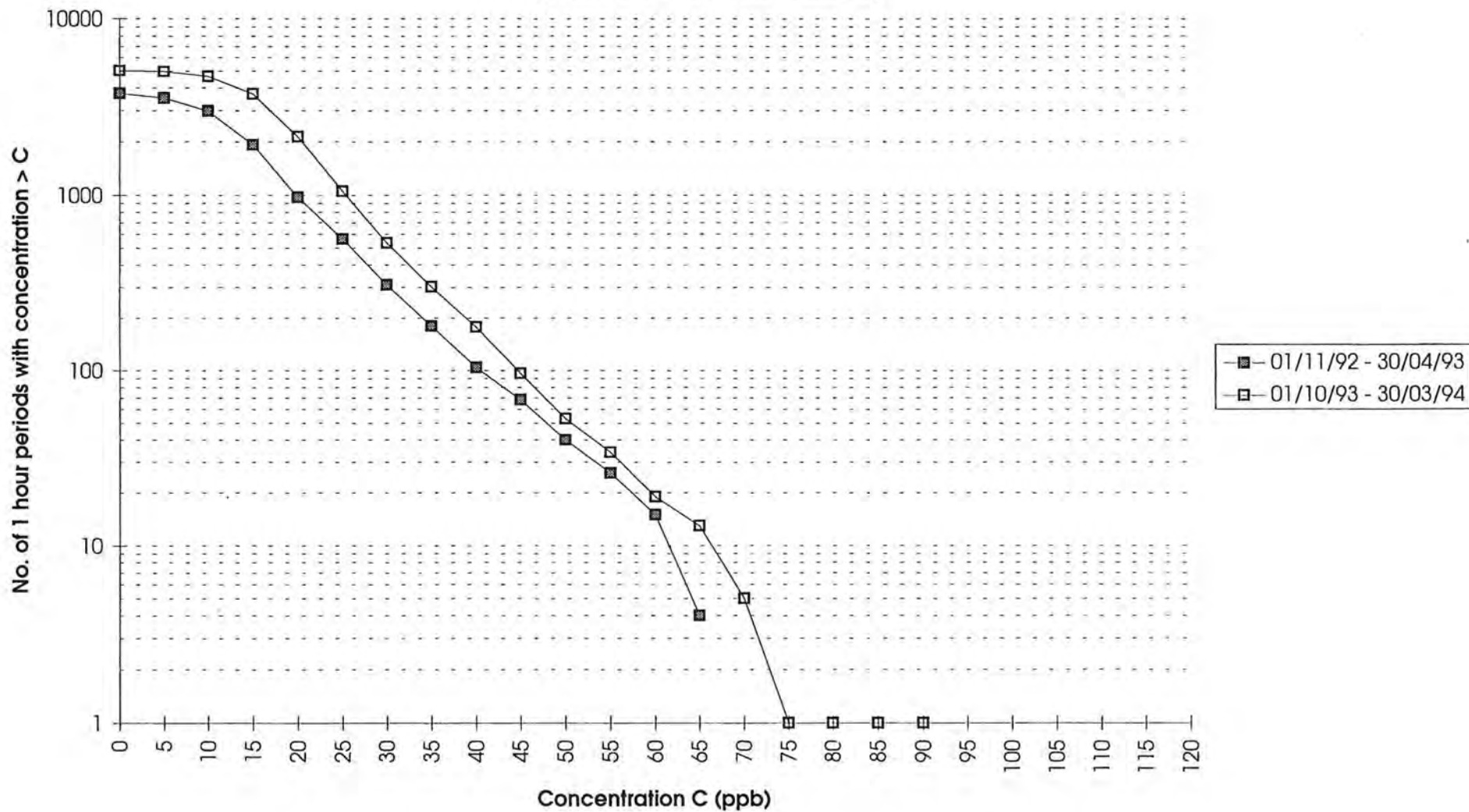
**CUMULATIVE FREQUENCY GRAPH FOR OZONE AT ROTTNEST ISLAND
(SPRING TO AUTUMN PERIOD)**



**CUMULATIVE FREQUENCY GRAPH FOR OZONE AT SWANBOURNE
(SPRING TO AUTUMN PERIOD)**



CUMULATIVE FREQUENCY GRAPH FOR OZONE AT TWO ROCKS (SPRING TO AUTUMN PERIOD)



A5 -
Monthly ozone data

OZONE DATA - 1990

Caversham						
MONTH	MONTHLY AVERAGE (ppb)	MAXIMUM 8 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 50 PPB	1 HOUR PERIOD > 80 PPB
January 1990	12.2	45.3	63.5	99.7	0	0
February 1990	16.3	44.6	81.8	99.6	0	1
March 1990	14.8	36.7	64.5	99.7	0	0
April 1990	13.3	28.8	38.0	99.7	0	0
May 1990	10.9	29.0	41.7	99.8	0	0
June 1990	10.9	27.2	30.2	99.8	0	0
July 1990	15.3	30.9	32.2	99.7	0	0
August 1990	16.4	28.7	31.2	99.8	0	0
September 1990	13.6	26.9	44.8	99.7	0	0
October 1990	15.3	40.0	68.2	99.7	0	0
November 1990	14.7	36.4	58.5	99.7	0	0
December 1990	13.8	39.0	54.7	99.6	0	0

OZONE DATA - 1991

Caversham						
MONTH	MONTHLY AVERAGE (ppb)	MAXIMUM 8 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 50 PPB	1 HOUR PERIOD > 80 PPB
January 1991	17.7	67.5	110.3	99.5	3	3
February 1991	14.3	62.5	132.5	99.7	1	3
March 1991	13.7	44.7	90.3	99.8	0	1
April 1991	13.6	57.6	78.0	99.5	1	0
May 1991	11.3	27.6	32.8	89.8	0	0
June 1991	11.9	29.3	31.3	95.7	0	0
July 1991	12.3	26.1	31.7	97.6	0	0
August 1991	14.6	29.8	32.8	97.8	0	0
September 1991	13.3	31.0	48.5	99.6	0	0
October 1991	15.3	46.7	66.7	99.4	0	0
November 1991	13.3	43.2	73.0	99.6	0	0
December 1991	17.0	54.6	73.3	99.7	2	0

NOTE: These tables show data from the Caversham site from January 1990 to September 1992 and then continue on a monthly basis with the other sites.

OZONE DATA - 1992

Caversham						
MONTH	MONTHLY AVERAGE (ppb)	MAXIMUM 8 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 50 PPB	1 HOUR PERIOD > 80 PPB
January 1992	18.4	58.6	122.0	99.7	2	2
February 1992	14.7	46.3	64.3	99.3	0	0
March 1992	15.5	51.2	83.2	99.6	2	1
April 1992	16.0	49.0	69.3	99.4	0	0
May 1992	11.1	27.6	33.7	85.2	0	0
June 1992	16.1	31.7	33.5	98.3	0	0
July 1992	12.4	29.5	33.0	96.1	0	0
August 1992	15.5	28.7	31.3	99.8	0	0
September 1992	14.8	26.4	34.5	99.7	0	0

October 1992						
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 8 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 50 PPB	1 HOUR PERIOD > 80 PPB
Caversham	13.9	65.8	107.3	96.6	1	3
Kenwick	13.4	62.7	86.2	94.5	1	2
Quinns Rocks	18.1	39.2	74.0	55.2	0	0
Swanbourne	16.4	56.4	106.5	99.6	1	2
Two Rocks	-	-	-	-	-	-

November 1992						
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 8 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 50 PPB	1 HOUR PERIOD > 80 PPB
Caversham	15.0	33.4	45.0	99.1	0	0
Kenwick	-	-	-	-	-	-
Quinns Rocks	18.9	38.3	65.3	97.5	0	0
Swanbourne	17.0	38.3	55.3	99.8	0	0
Two Rocks	15.3	35.4	49.3	21.0	0	0

December 1992						
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 8 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 50 PPB	1 HOUR PERIOD > 80 PPB
Caversham	15.2	44.9	75.0	91.3	0	0
Kenwick	16.1	45.7	71.7	94.8	0	0
Quinns Rocks	18.2	55.0	68.8	99.8	1	0
Swanbourne	17.2	63.5	80.8	99.6	1	1
Two Rocks	15.1	39.6	67.7	99.6	0	0

OZONE DATA - 1993

January 1993

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 8 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 50 PPB	1 HOUR PERIOD > 80 PPB
Caversham	16.1	54.4	111.5	98.9	1	7
Cullacubardee	16.4	48.6	101.0	99.8	0	2
Kenwick	17.1	52.9	99.2	99.5	1	2
Quinns Rocks	18.1	57.9	91.3	99.8	2	2
Rolling Green	21.6	74.2	112.2	99.8	2	8
Rottnest Island	18.5	54.8	70.2	96.1	1	0
Swanbourne	16.2	54.1	80.7	99.6	2	1
Two Rocks	16.3	52.3	67.5	99.6	1	0

February 1993

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 8 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 50 PPB	1 HOUR PERIOD > 80 PPB
Caversham	16.0	47.5	84.5	99.7	0	1
Cullacubardee	16.4	42.6	76.5	99.5	0	0
Kenwick	16.2	43.9	79.0	99.5	0	0
Quinns Rocks	18.1	55.0	80.2	98.5	1	1
Rolling Green	19.2	52.1	82.8	99.4	1	1
Rottnest Island	20.0	44.1	82.7	99.6	0	1
Swanbourne	16.7	56.3	77.0	99.3	1	0
Two Rocks	17.2	47.9	69.8	99.5	0	0

March 1993

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 8 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 50 PPB	1 HOUR PERIOD > 80 PPB
Caversham	13.9	32.7	46.5	99.6	0	0
Cullacubardee	14.9	37.6	54.3	99.5	0	0
Kenwick	14.7	39.4	63.0	99.4	0	0
Quinns Rocks	18.4	48.7	71.8	99.4	0	0
Rolling Green	18.6	41.8	75.2	53.1	0	0
Rottnest Island	21.3	44.7	53.3	91.6	0	0
Swanbourne	16.5	43.2	66.7	99.5	0	0
Two Rocks	17.0	40.4	63.5	98.6	0	0

April 1993

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 8 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 50 PPB	1 HOUR PERIOD > 80 PPB
Caversham	12.3	44.7	75.5	99.2	0	0
Cullacubardee	13.5	41.2	56.5	99.5	0	0
Kenwick	12.8	40.6	60.5	99.4	0	0
Quinns Rocks	17.6	42.8	65.3	99.4	0	0
Rolling Green	17.7	46.9	75.2	99.5	0	0
Rottnest Island	22.2	47.9	63.2	99.2	0	0
Swanbourne	15.9	38.1	59.0	99.2	0	0
Two Rocks	15.7	40.9	56.3	97.9	0	0

May 1993

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 8 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 50 PPB	1 HOUR PERIOD > 80 PPB
Caversham	11.2	26.9	30.7	99.7	0	0
Cullacubardee	12.6	28.9	34.3	98.9	0	0
Kenwick	12.3	26.0	35.0	99.1	0	0
Quinns Rocks	16.2	35.3	43.5	98.7	0	0
Rolling Green	15.7	27.3	31.3	99.6	0	0
Rottnest Island	20.9	33.6	39.5	92.3	0	0
Swanbourne	11.9	27.8	33.3	90.1	0	0
Two Rocks	14.9	27.8	35.8	99.7	0	0

June 1993

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 8 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 50 PPB	1 HOUR PERIOD > 80 PPB
Caversham	13.1	23.7	28.2	96.1	0	0
Cullacubardee	15.2	28.3	30.8	99.6	0	0
Kenwick	12.8	23.2	27.2	90.7	0	0
Quinns Rocks	16.6	28.4	33.5	99.7	0	0
Rolling Green	18.7	27.8	30.0	99.7	0	0
Rottnest Island	22.6	-	36.7	42.6	0	0
Swanbourne	13.2	31.0	32.0	98.8	0	0
Two Rocks	16.9	27.2	30.3	99.7	0	0

July 1993

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 8 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 50 PPB	1 HOUR PERIOD > 80 PPB
Caversham	14.6	26.7	32.0	99.6	0	0
Cullacubardee	17.4	28.7	34.0	99.7	0	0
Kenwick	11.3	25.4	30.5	99.4	0	0
Quinns Rocks	18.7	28.2	30.3	92.1	0	0
Rolling Green	21.1	29.1	30.8	99.6	0	0
Rottnest Island	24.2	27.9	28.8	35.2	0	0
Swanbourne	18.6	30.7	34.2	99.6	0	0
Two Rocks	19.6	28.6	30.0	99.8	0	0

August 1993

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 8 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 50 PPB	1 HOUR PERIOD > 80 PPB
Caversham	12.5	25.9	35.7	94.8	0	0
Cullacubardee	14.2	27.7	38.8	99.4	0	0
Kenwick	11.9	29.1	40.8	89.5	0	0
Quinns Rocks	18.7	31.5	40.5	89.9	0	0
Rolling Green	17.1	27.1	43.0	99.4	0	0
Rottnest Island	22.5	29.5	34.7	83.4	0	0
Swanbourne	17.1	28.9	31.8	99.4	0	0
Two Rocks	20.0	30.6	36.8	99.5	0	0

September 1993

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 8 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 50 PPB	1 HOUR PERIOD > 80 PPB
Caversham	12.9	27.7	37.2	98.4	0	0
Cullacubardee	15.3	28.4	34.5	99.0	0	0
Kenwick	13.0	28.6	45.0	99.2	0	0
Quinns Rocks	19.1	34.8	53.8	99.3	0	0
Rolling Green	16.0	26.3	33.7	99.0	0	0
Rottnest Island	23.2	34.1	46.7	98.3	0	0
Swanbourne	18.3	38.4	53.8	78.6	0	0
Two Rocks	20.3	33.6	54.7	99.2	0	0

October 1993

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 8 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 50 PPB	1 HOUR PERIOD > 80 PPB
Caversham	14.9	30.8	42.5	98.6	0	0
Cullacubardee	15.9	30.0	39.8	99.3	0	0
Kenwick	14.4	29.7	42.0	99.1	0	0
Quinns Rocks	18.9	35.0	56.5	99.1	0	0
Rolling Green	18.2	37.4	57.3	99.3	0	0
Rottnest Island	21.6	28.9	36.8	99.5	0	0
Swanbourne	17.5	29.1	48.0	98.8	0	0
Two Rocks	20.1	37.0	57.3	98.1	0	0

November 1993

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 8 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 50 PPB	1 HOUR PERIOD > 80 PPB
Caversham	17.4	52.1	78.7	95.4	1	0
Cullacubardee	18.7	53.9	77.3	99.4	1	0
Kenwick	17.3	53.2	69.5	99.1	1	0
Quinns Rocks	20.9	50.4	56.3	99.2	1	0
Rolling Green	22.3	56.3	79.5	98.7	1	0
Rottnest Island	20.8	46.0	49.5	99.4	0	0
Swanbourne	19.4	47.2	55.7	98.9	0	0
Two Rocks	21.8	48.1	53.7	99.2	0	0

December 1993

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 8 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 50 PPB	1 HOUR PERIOD > 80 PPB
Caversham	18.0	53.4	64.8	98.9	1	0
Cullacubardee	18.3	51.0	66.3	98.7	1	0
Kenwick	18.7	61.9	81.5	86.5	1	1
Quinns Rocks	20.4	55.7	69.8	99.2	1	0
Rolling Green	22.6	56.4	78.5	99.3	3	0
Rottnest Island	20.6	57.7	65.5	99.5	1	0
Swanbourne	18.7	53.3	71.3	99.0	1	0
Two Rocks	21.6	56.8	69.7	99.2	1	0

1994

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 8 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 50 PPB	1 HOUR PERIOD > 80 PPB
ham	12.2	27.1	31.7	99.7	0	0
bardee	15.1	28.0	32.8	99.6	0	0
	-	-	-	-	-	-
ot	13.6	26.3	29.7	99.4	0	0
ck	11.4	24.5	28.8	99.6	0	0
Rocks	20.7	32.2	34.0	99.2	0	0
Green	19.2	27.3	31.5	99.6	0	0
st Island	25.2	30.4	35.7	99.6	0	0
urne	17.9	31.3	34.8	99.6	0	0
ocks	-	-	-	-	-	-

1994

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 8 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 50 PPB	1 HOUR PERIOD > 80 PPB
ham	12.0	27.9	31.2	99.6	0	0
bardee	13.2	29.5	35.3	98.8	0	0
	17.2	25.1	27.5	17.5	0	0
ot	11.3	25.2	28.5	99.5	0	0
ck	12.2	24.8	30.3	99.6	0	0
Rocks	17.2	30.8	35.7	99.6	0	0
Green	16.2	27.6	30.0	99.7	0	0
st Island	21.3	36.6	43.0	99.7	0	0
urne	13.5	28.6	39.8	99.7	0	0
ocks	-	-	-	-	-	-

ber 1994

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 8 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 50 PPB	1 HOUR PERIOD > 80 PPB
ham	15.9	29.8	34.2	99.6	0	0
bardee	17.5	31.0	38.2	99.1	0	0
	19.5	30.8	40.2	99.7	0	0
ot	16.8	31.3	41.7	99.6	0	0
ck	15.2	26.8	31.0	99.6	0	0
Rocks	16.1	30.3	38.0	99.6	0	0
Green	20.0	30.9	36.0	99.2	0	0
st Island	22.9	33.0	43.5	99.4	0	0
urne	18.3	31.8	45.5	99.7	0	0
ocks	-	-	-	-	-	-

October 1994

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 8 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 50 PPB	1 HOUR PERIOD > 80 PPB
Caversham	18.2	34.9	57.7	97.2	0	0
Cullacubardee	18.5	38.2	57.5	99.8	0	0
Gingin	20.6	40.8	58.5	99.6	0	0
Jandakot	18.9	35.5	46.2	99.6	0	0
Kenwick	16.3	32.4	53.3	99.7	0	0
Quinns Rocks	18.2	37.5	53.5	98.0	0	0
Rolling Green	22.3	41.5	59.8	99.7	0	0
Rottnest Island	23.4	37.3	45.2	99.7	0	0
Swanbourne	20.0	32.1	50.0	99.4	0	0
Two Rocks	-	-	-	-	-	-

November 1994

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 8 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 50 PPB	1 HOUR PERIOD > 80 PPB
Caversham	17.0	41.1	72.5	99.3	0	0
Cullacubardee	17.8	43.9	59.5	99.4	0	0
Gingin	19.0	39.4	52.8	99.4	0	0
Jandakot	18.9	47.7	71.2	97.2	0	0
Kenwick	17.4	48.5	73.7	99.5	0	0
Quinns Rocks	20.7	46.5	65.3	99.2	0	0
Rolling Green	22.7	48.9	67.2	99.4	0	0
Rottnest Island	21.2	42.7	59.5	99.7	0	0
Swanbourne	20.7	48.3	69.0	99.1	0	0
Two Rocks	-	-	-	-	-	-

December 1994

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 8 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 50 PPB	1 HOUR PERIOD > 80 PPB
Caversham	17.9	60.3	77.5	99.4	2	0
Cullacubardee	18.1	61.5	82.5	99.3	1	2
Gingin	19.1	58.1	91.2	99.5	2	2
Jandakot	18.5	43.3	62.8	96.4	0	0
Kenwick	18.6	55.9	77.8	99.4	1	0
Quinns Rocks	19.8	47.7	75.8	99.5	0	0
Rolling Green	23.2	69.8	93.5	99.6	3	3
Rottnest Island	17.8	39.6	67.0	99.7	0	0
Swanbourne	19.1	47.4	71.0	99.2	0	0
Two Rocks	-	-	-	-	-	-

OZONE DATA - 1995

January 1995

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 8 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 50 PPB	1 HOUR PERIOD > 80 PPB
Caversham	21.0	63.9	94.3	99.3	3	4
Cullacubardee	19.4	60.7	85.3	99.3	2	2
Gingin	19.3	56.4	75.0	99.4	2	0
Jandakot	18.4	46.4	59.5	96.3	0	0
Kenwick	19.6	60.2	79.3	99.1	2	0
Quinns Rocks	19.4	41.7	66.5	98.9	0	0
Rolling Green	23.9	68.6	92.2	98.8	4	5
Rottnest Island	18.4	37.9	52.7	99.6	0	0
Swanbourne	19.5	43.6	55.8	99.4	0	0
Two Rocks	-	-	-	-	-	-

February 1995

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 8 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 50 PPB	1 HOUR PERIOD > 80 PPB
Caversham	19.7	53.8	94.2	96.6	1	2
Cullacubardee	16.9	41.7	72.3	99.1	0	0
Gingin	17.6	36.7	53.5	99.3	0	0
Jandakot	18.1	38.5	62.2	95.2	0	0
Kenwick	18.0	48.3	95.2	99.0	0	1
Quinns Rocks	21.5	59.6	88.7	99.1	5	5
Rolling Green	20.8	36.5	62.5	84.7	0	0
Rottnest Island	24.0	67.3	87.8	99.5	4	5
Swanbourne	20.6	62.9	100.0	99.3	5	6
Two Rocks	-	-	-	-	-	-

March 1995

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 8 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 50 PPB	1 HOUR PERIOD > 80 PPB
Caversham	18.1	45.2	71.3	98.7	0	0
Cullacubardee	17.1	51.5	77.8	99.0	1	0
Gingin	20.2	49.3	62.8	99.4	0	0
Jandakot	19.5	42.6	64.3	98.9	0	0
Kenwick	18.2	57.4	90.3	99.4	1	1
Quinns Rocks	21.6	51.5	70.3	99.4	1	0
Rolling Green	21.6	48.3	62.0	99.4	0	0
Rottnest Island	25.0	57.7	82.5	99.3	2	1
Swanbourne	19.5	46.5	75.3	98.3	0	0
Two Rocks	-	-	-	-	-	-

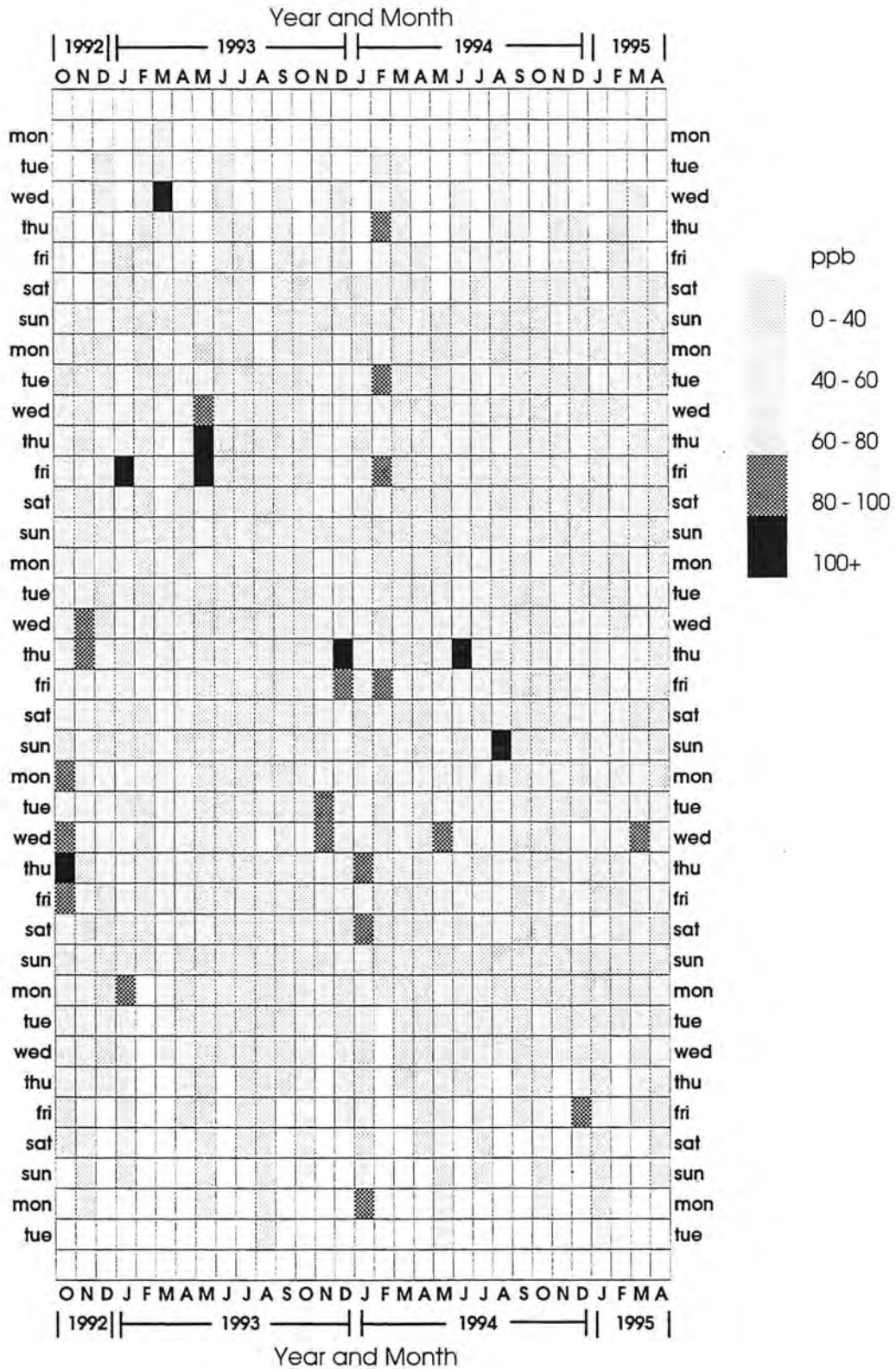
April 1995						
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 8 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 50 PPB	1 HOUR PERIOD > 80 PPB
Caversham	14.1	31.6	38.2	97.3	0	0
Cullacubardee	12.6	28.6	36.3	99.7	0	0
Gingin	14.3	27.7	37.0	99.1	0	0
Jandakot	14.0	33.9	56.5	99.6	0	0
Kenwick	13.9	30.7	41.3	99.5	0	0
Quinns Rocks	17.0	40.8	62.8	97.3	0	0
Rolling Green	15.6	32.9	49.3	99.6	0	0
Rottnest Island	17.7	49.1	58.7	99.7	0	0
Swanbourne	14.5	38.6	61.2	99.7	0	0
Two Rocks	-	-	-	-	-	-

Appendix B

NITROGEN DIOXIDE

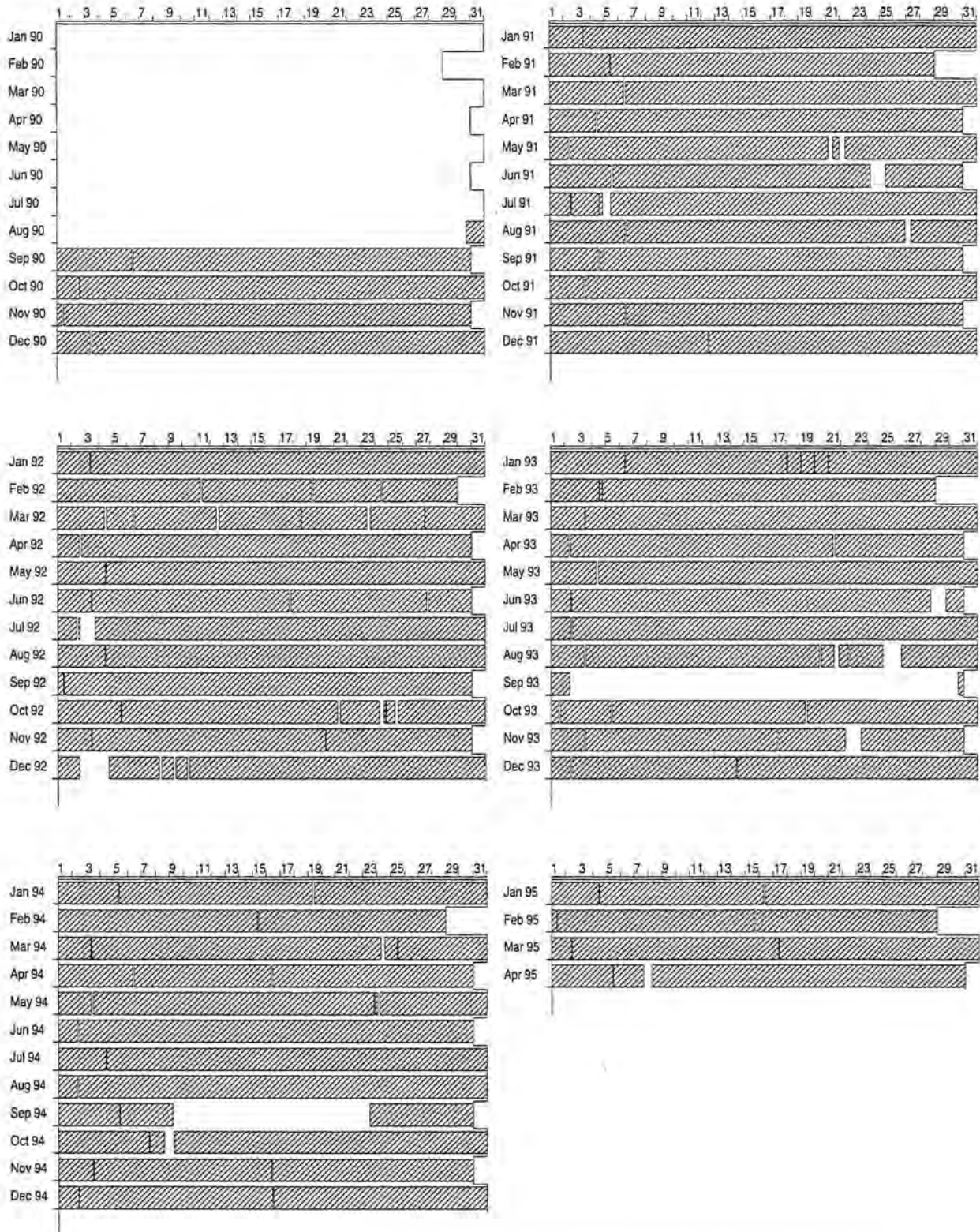
B1 -
General Statistics

MAXIMUM ONE HOUR NITROGEN DIOXIDE CONCENTRATION IN THE PERTH METROPOLITAN REGION
 DURING THE PERIOD 1 OCTOBER 1992 TO 30 APRIL 1995



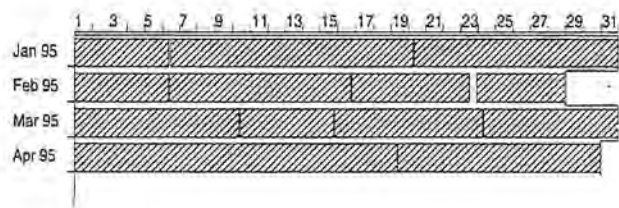
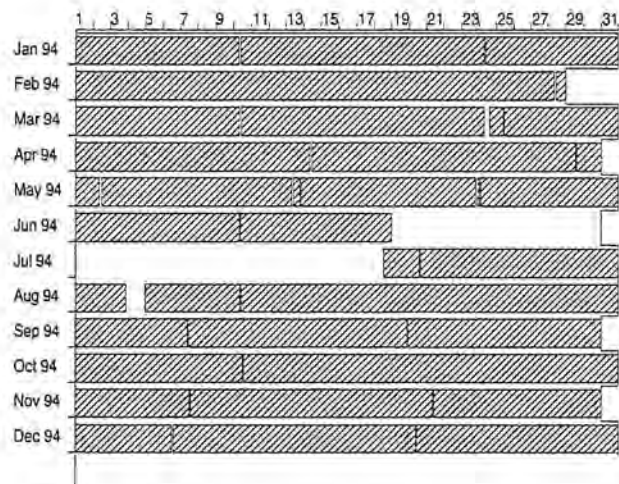
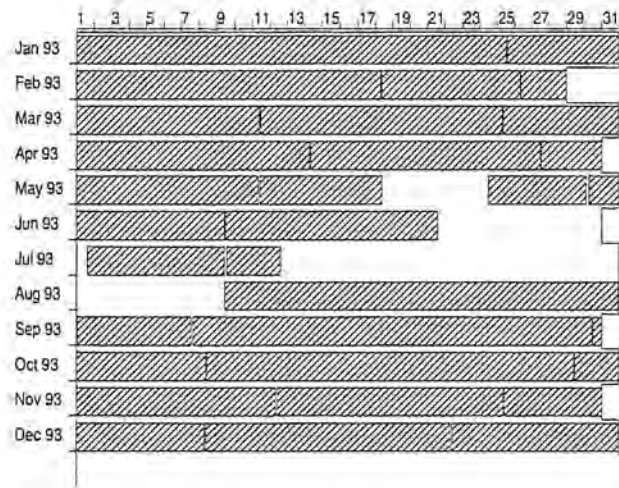
B2 -
Operational periods
of nitrogen dioxide
monitors

Periods of operation of the oxides of nitrogen monitor at Caversham air quality monitoring station.



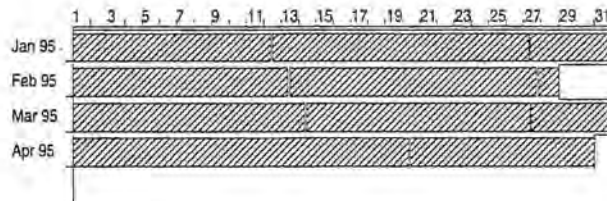
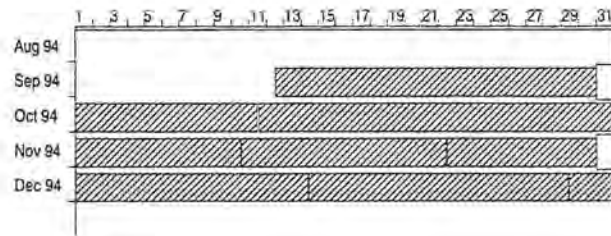
Note: Gaps represent periods when the monitor was being calibrated, out of service for maintenance or experiencing a power supply failure.

Periods of operation of the oxides of nitrogen monitor at Cullacabardee air quality monitoring station.



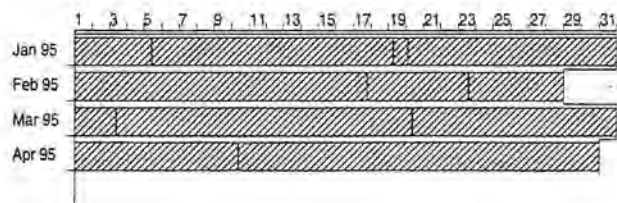
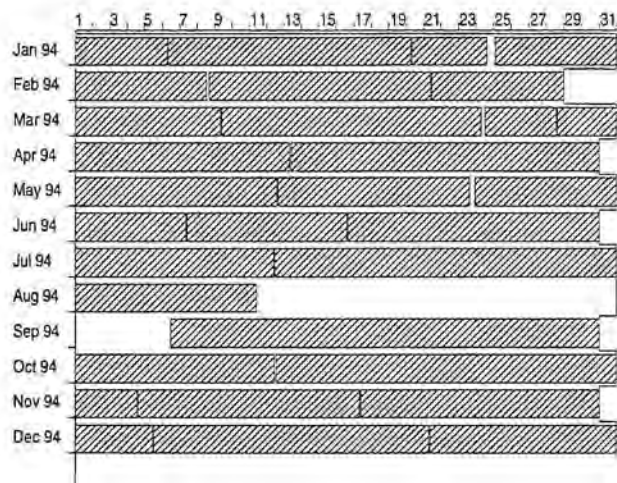
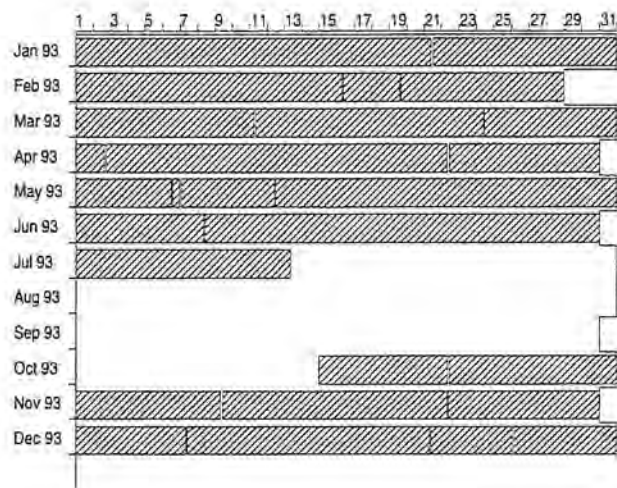
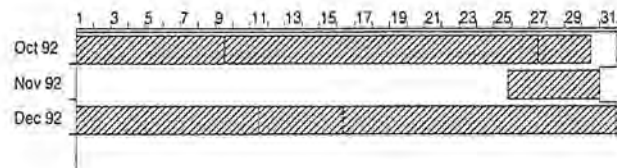
Note: Gaps represent periods when the monitor was being calibrated, out of service for maintenance or experiencing a power supply failure.

Periods of operation of the oxides of nitrogen monitor at Gingin air quality monitoring station.



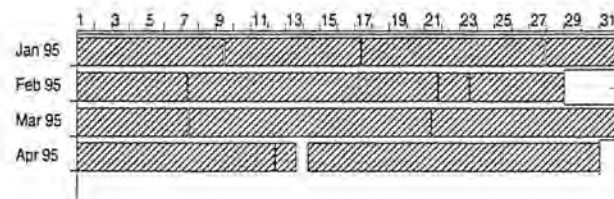
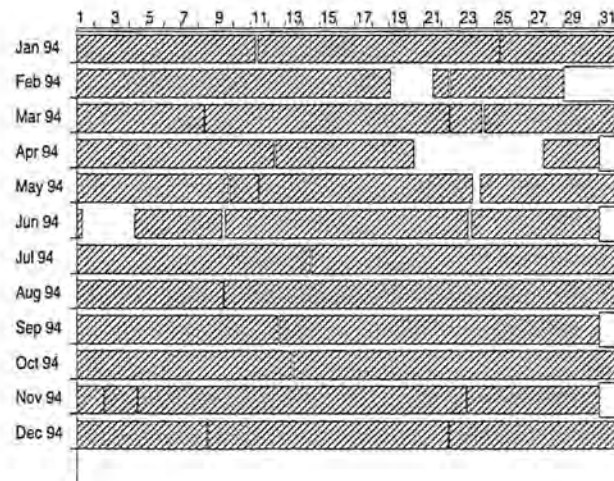
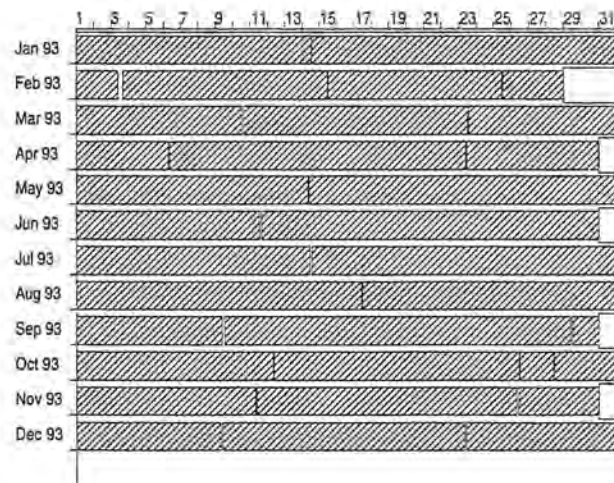
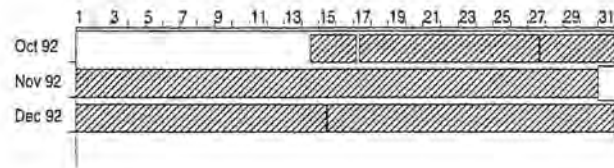
Note: Gaps represent periods when the monitor was being calibrated, out of service for maintenance or experiencing a power supply failure.

Periods of operation of the oxides of nitrogen monitor at Kenwick air quality monitoring station.



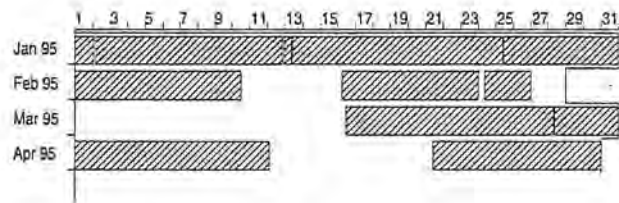
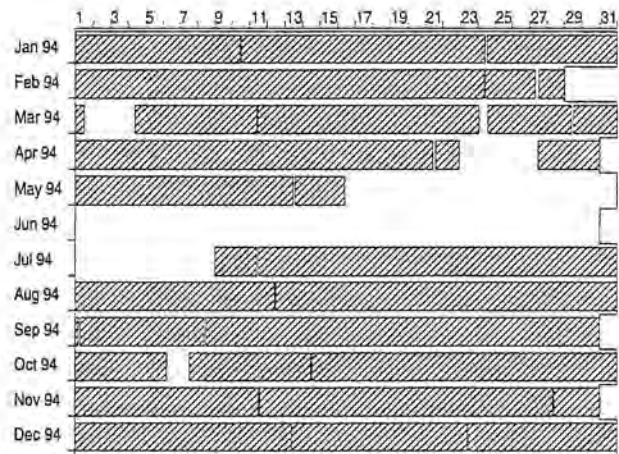
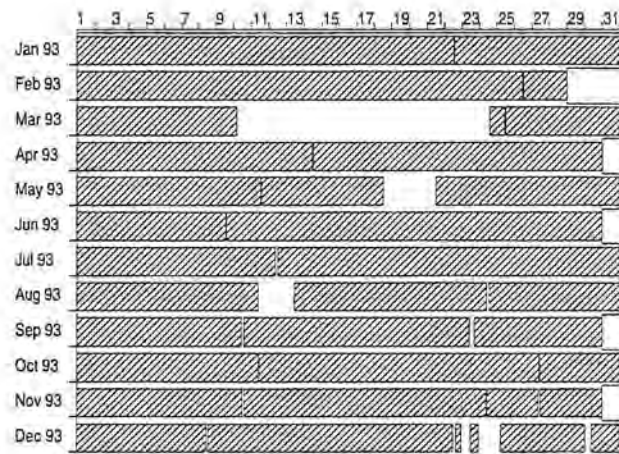
Note: Gaps represent periods when the monitor was being calibrated, out of service for maintenance or experiencing a power supply failure.

Periods of operation of the oxides of nitrogen monitor at Quinns Rocks air quality monitoring station.



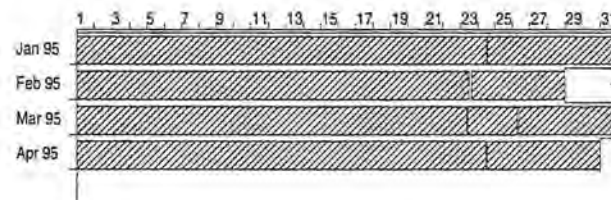
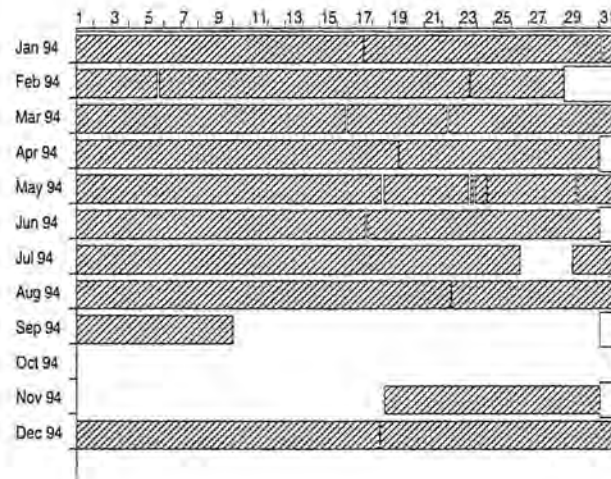
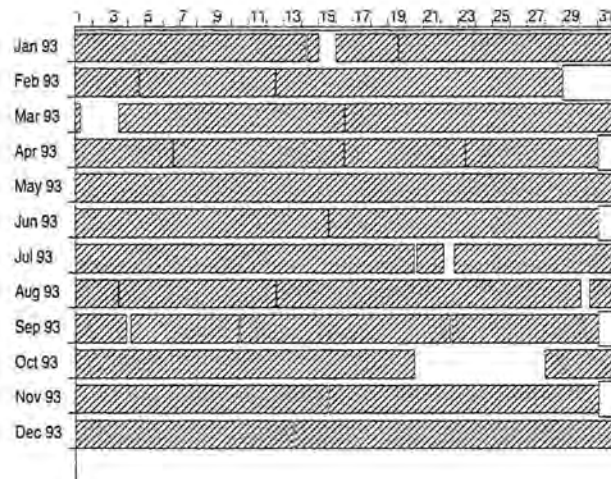
Note: Gaps represent periods when the monitor was being calibrated, out of service for maintenance or experiencing a power supply failure.

Periods of operation of the oxides of nitrogen monitor at Rolling Green air quality monitoring station.



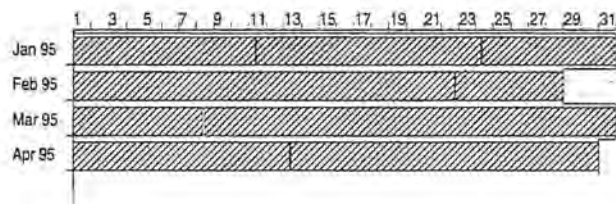
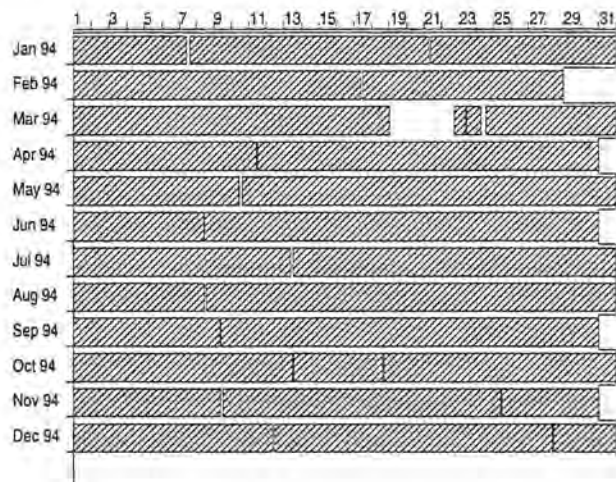
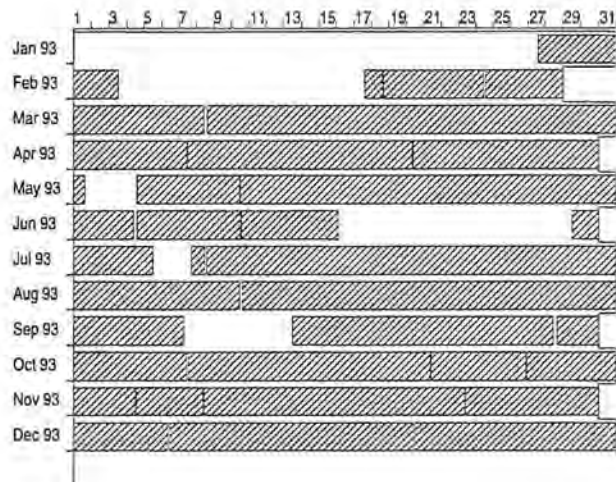
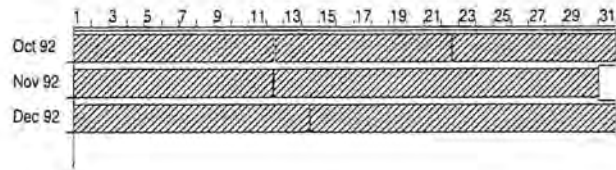
Note: Gaps represent periods when the monitor was being calibrated, out of service for maintenance or experiencing a power supply failure.

Periods of operation of the oxides of nitrogen monitor at Rottneast Island air quality monitoring station.



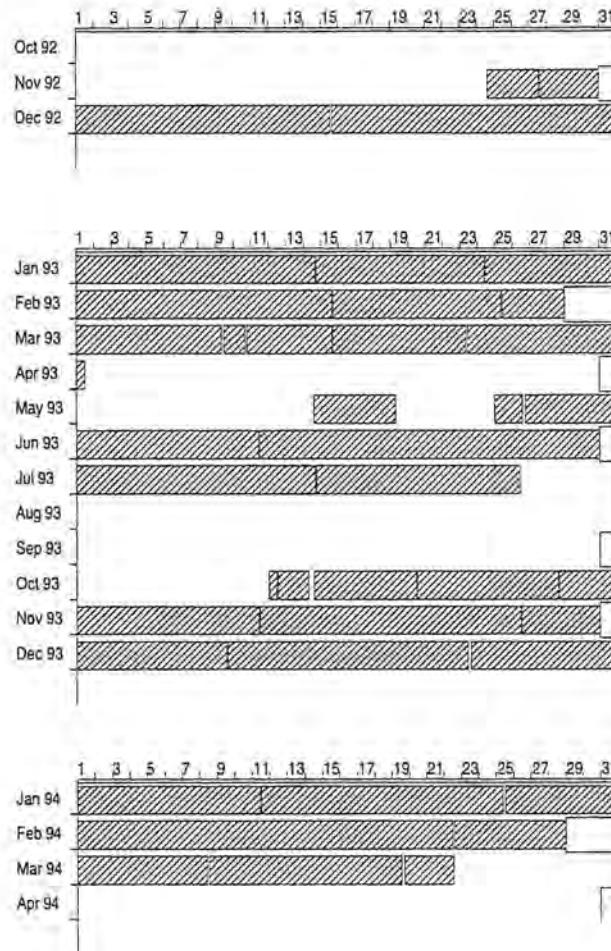
Note: Gaps represent periods when the monitor was being calibrated, out of service for maintenance or experiencing a power supply failure.

Periods of operation of the oxides of nitrogen monitor at Swanbourne air quality monitoring station.



Note: Gaps represent periods when the monitor was being calibrated, out of service for maintenance or experiencing a power supply failure.

Periods of operation of the oxides of nitrogen monitor at Two Rocks air quality monitoring station.

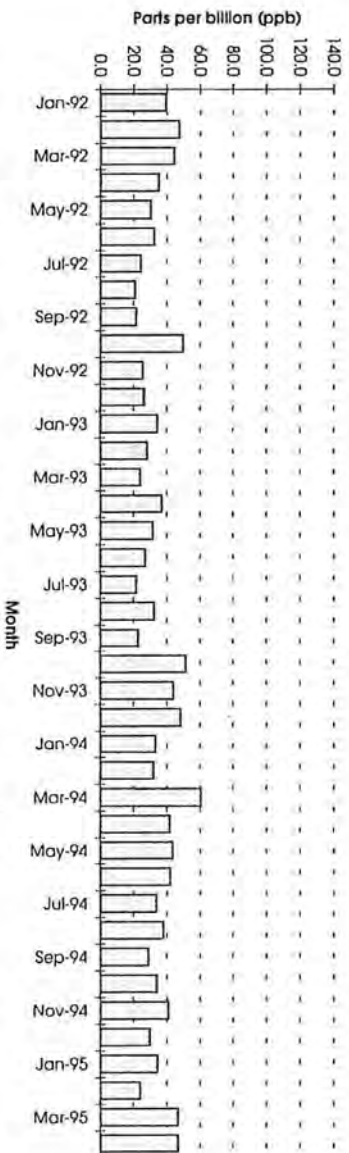


Note: Gaps represent periods when the monitor was being calibrated, out of service for maintenance or experiencing a power supply failure.

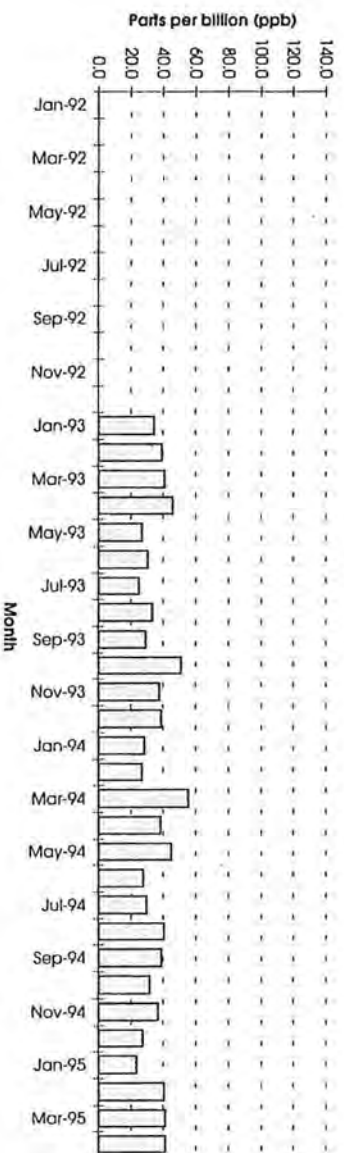
B3 -
Highest hourly
nitrogen dioxide
values per month for
each site

Highest hourly nitrogen dioxide values per month for each site in the Perth Photochemical Smog Study

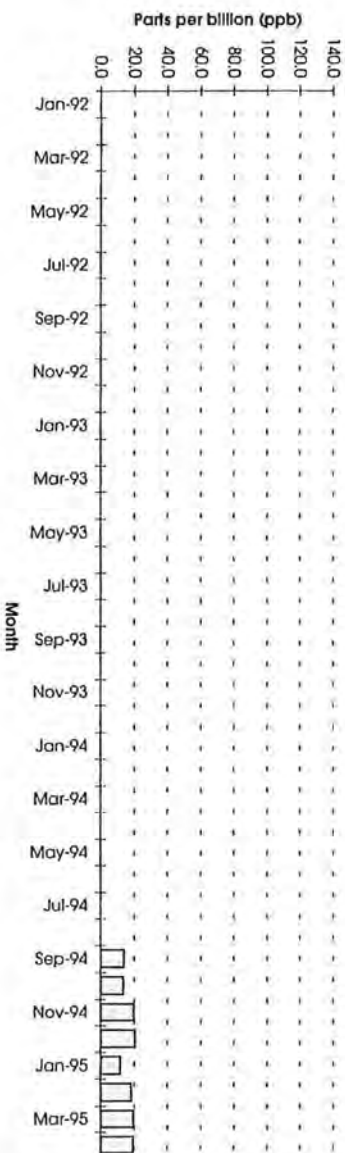
CAVERSHAM



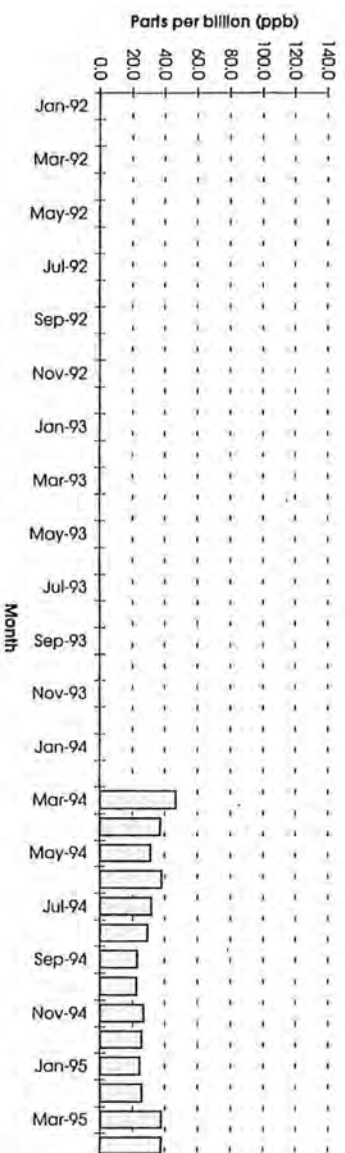
CULLACABARDEE



GINGIN

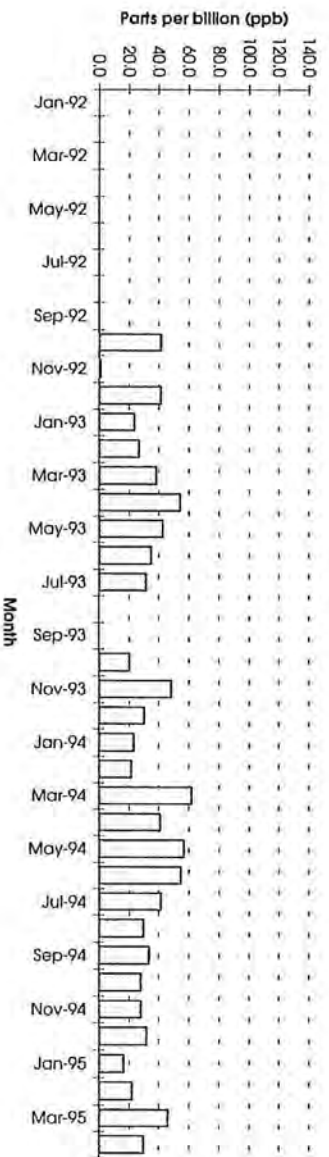


JANDAKOT

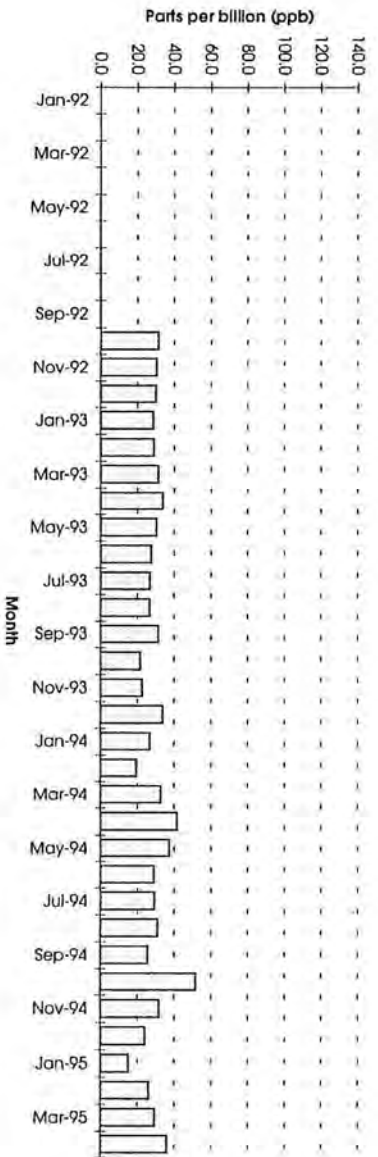


Highest hourly nitrogen dioxide values per month for each site in the Perth Photochemical Smog Study
(cont'd)

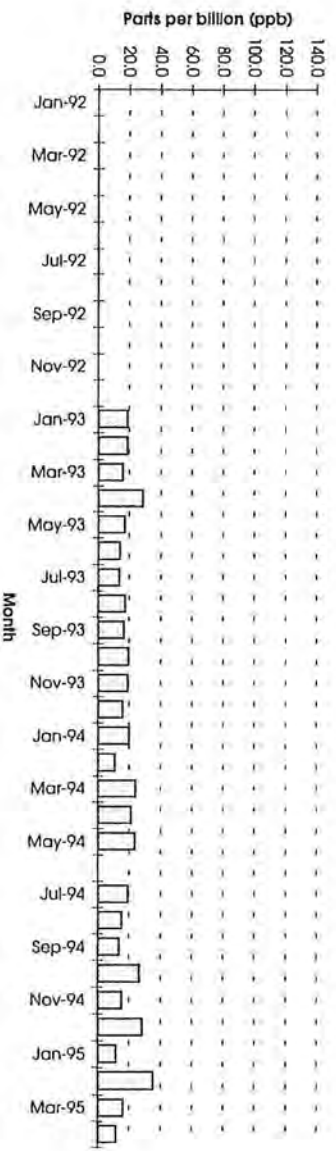
KENWICK



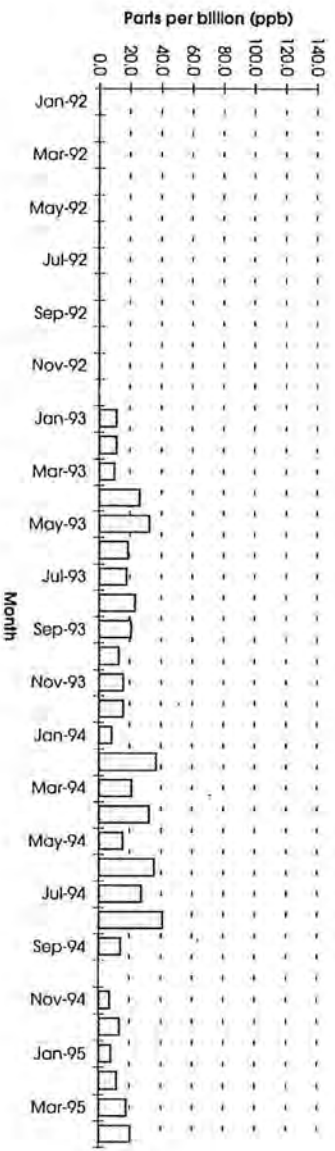
GUINNIS ROCKS



ROLLING GREEN

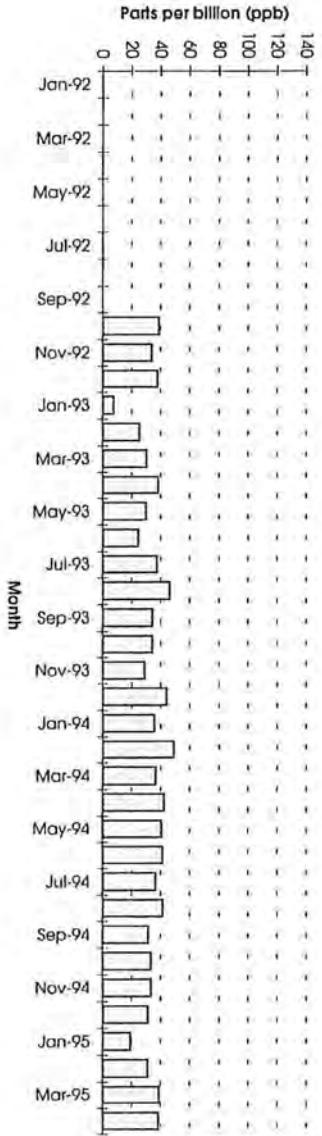


ROTTNEST ISLAND

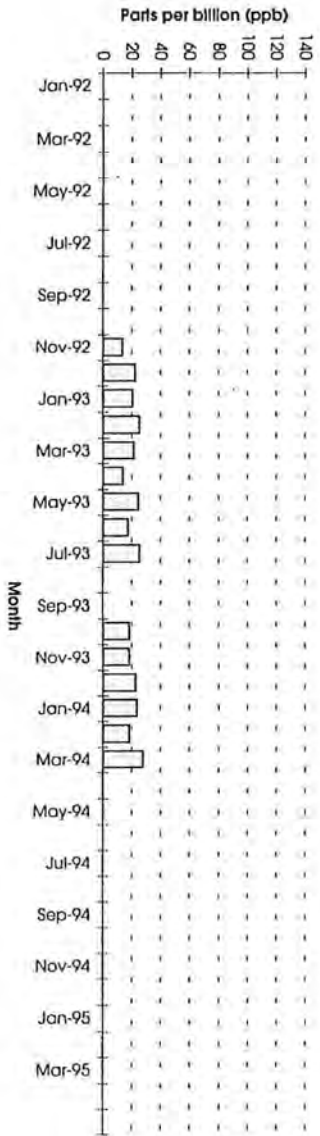


Highest hourly nitrogen dioxide values per month for each site in the Perth Photochemical Smog Study
(cont'd)

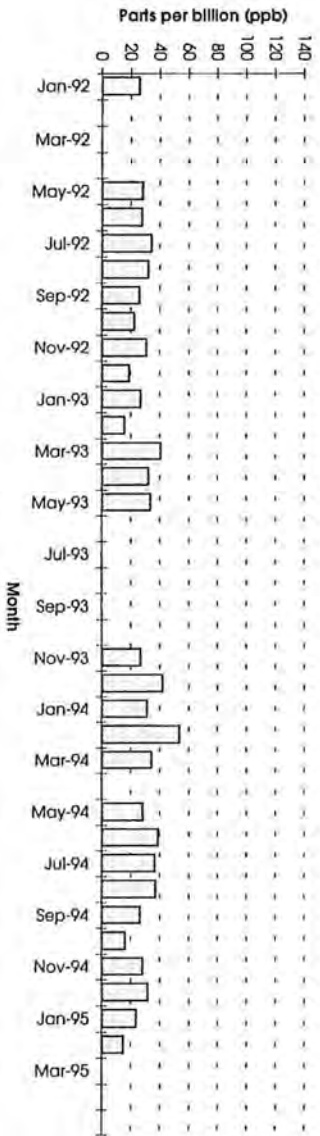
SWANBOURNE



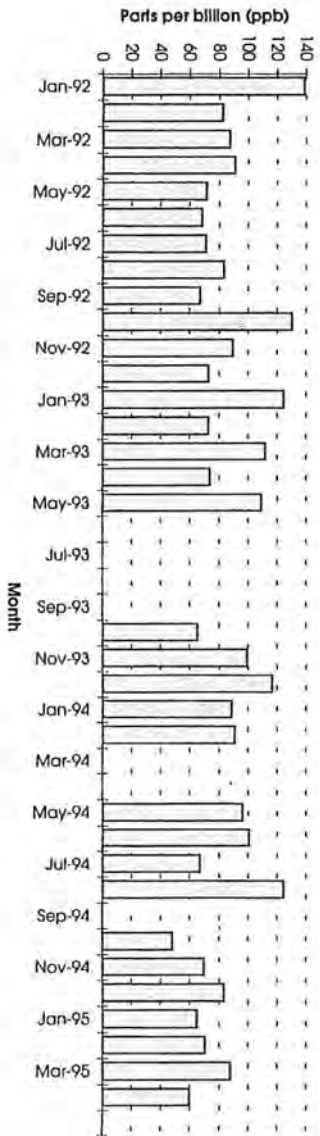
TWO ROCKS



HOPE VALLEY

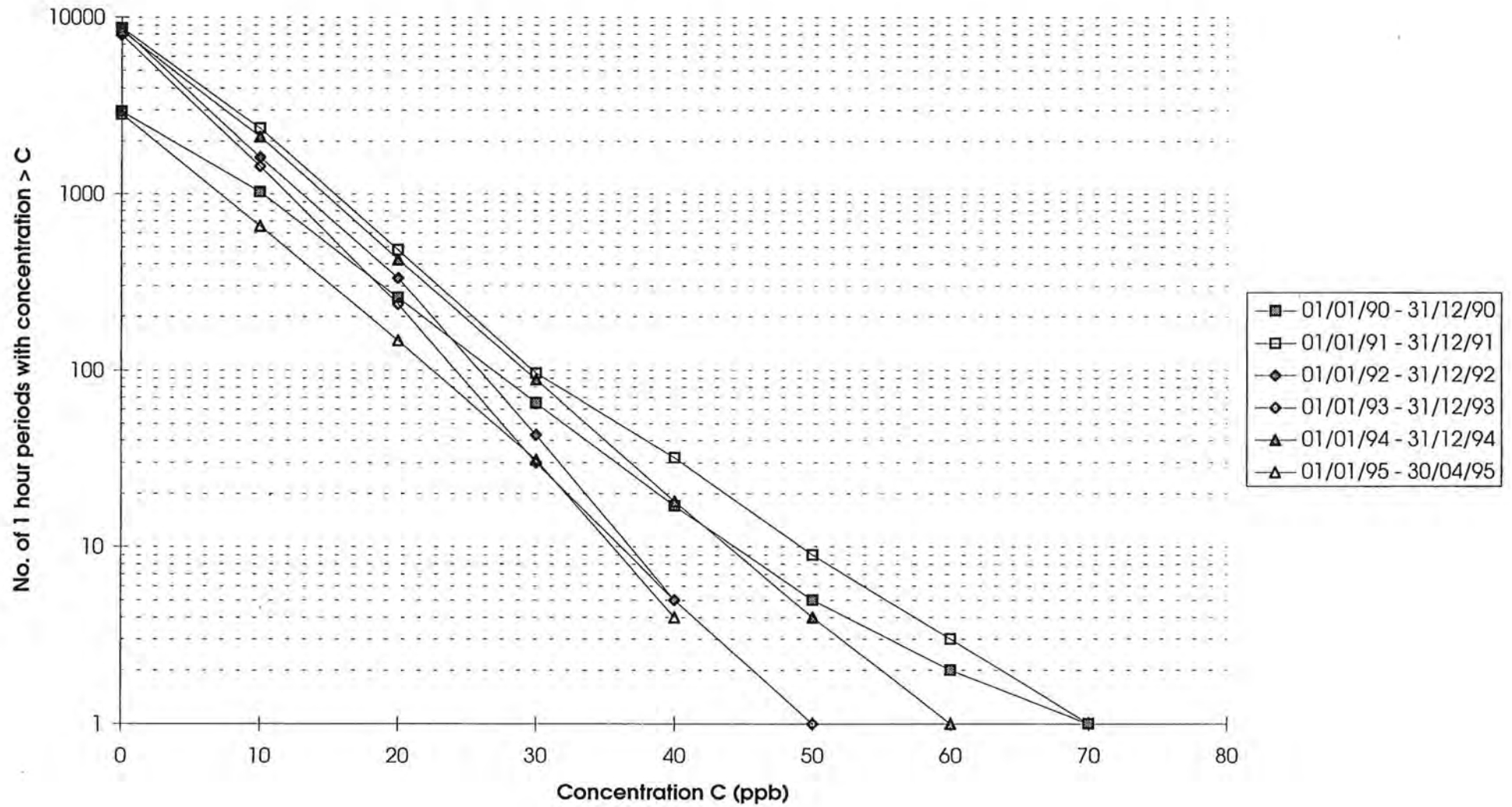


QUEENS BUILDINGS

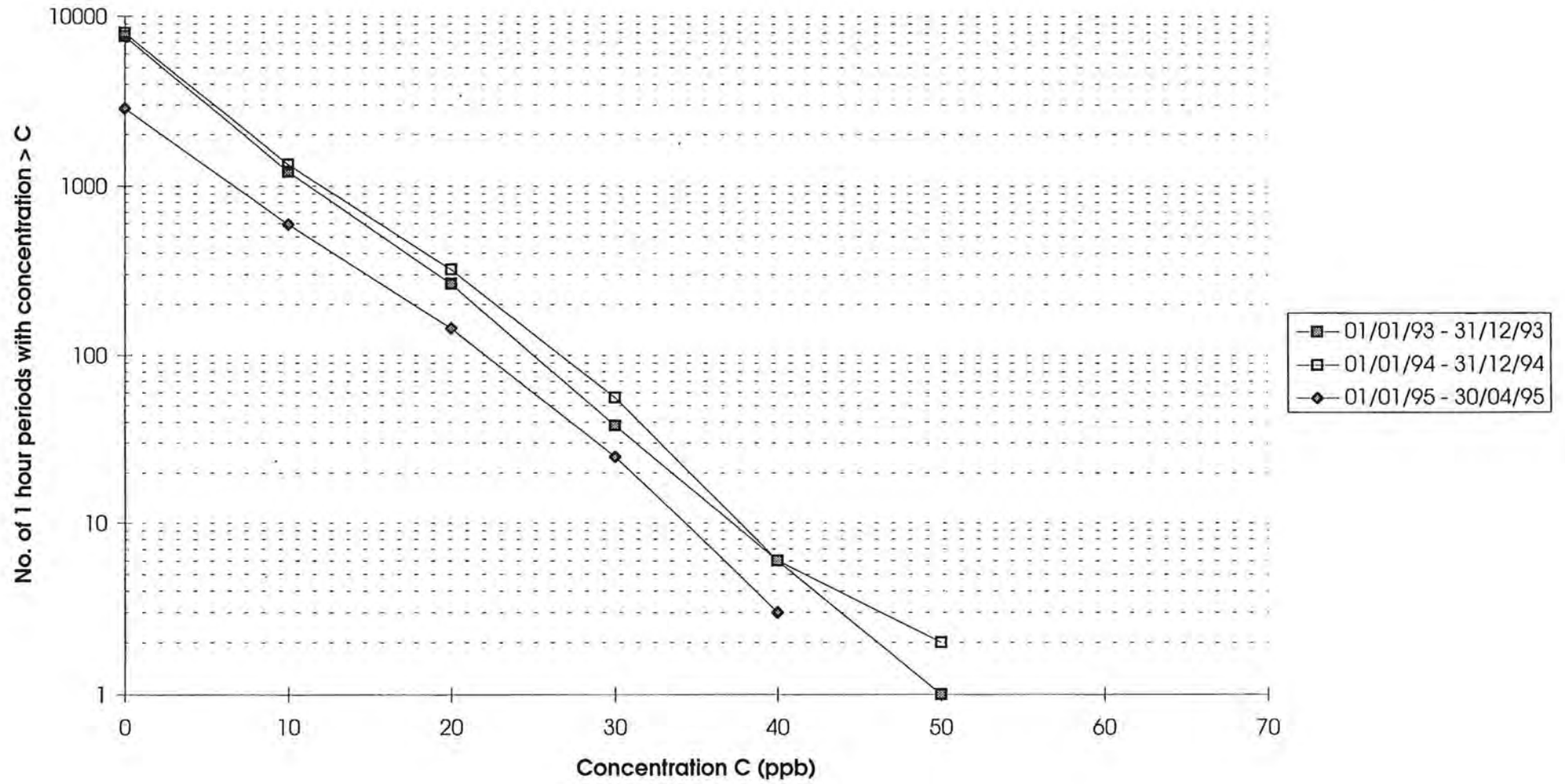


B4 -
Nitrogen dioxide
cumulative
frequency graphs

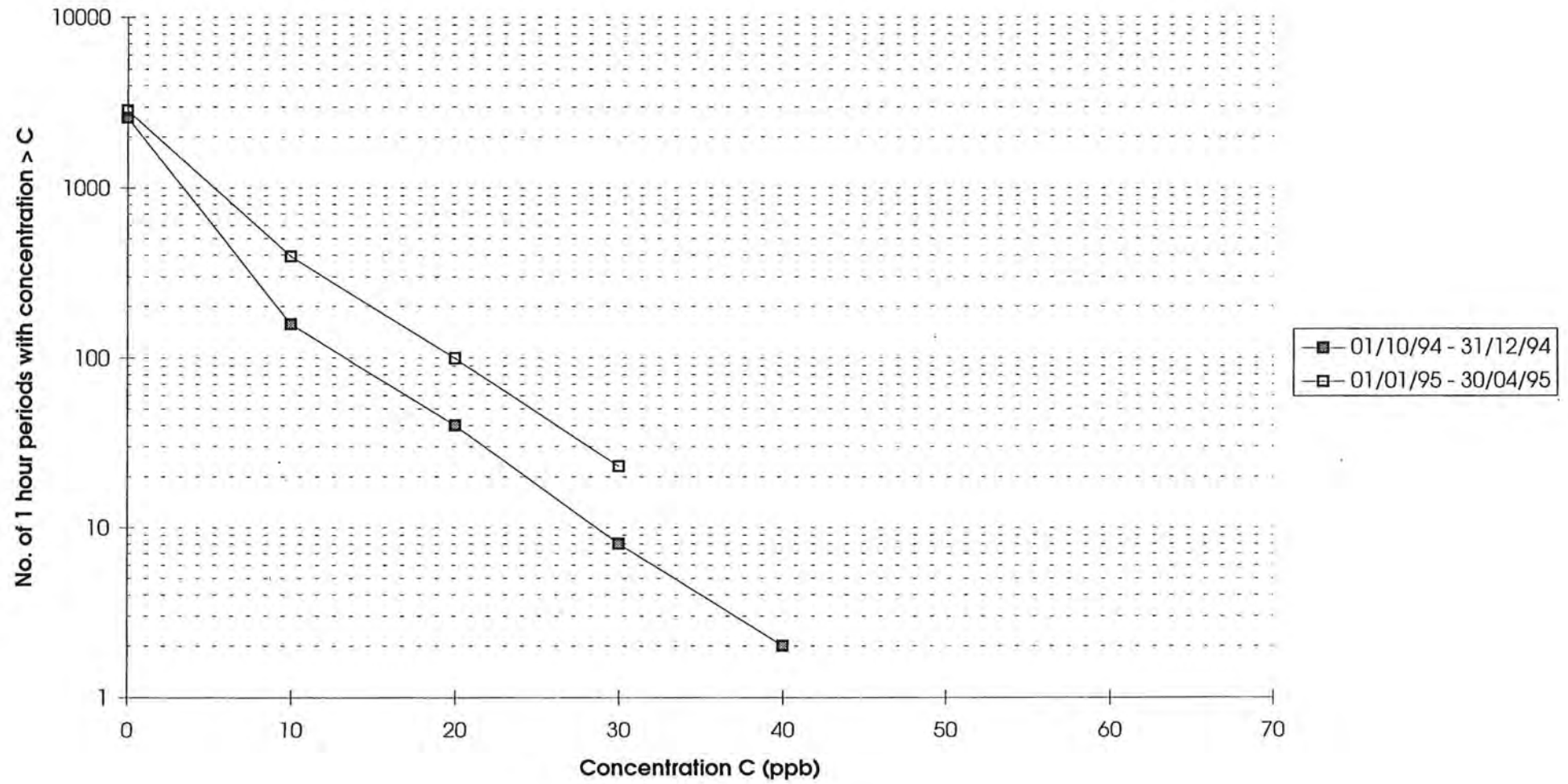
CUMULATIVE FREQUENCY GRAPH FOR NITROGEN DIOXIDE AT CAVERSHAM



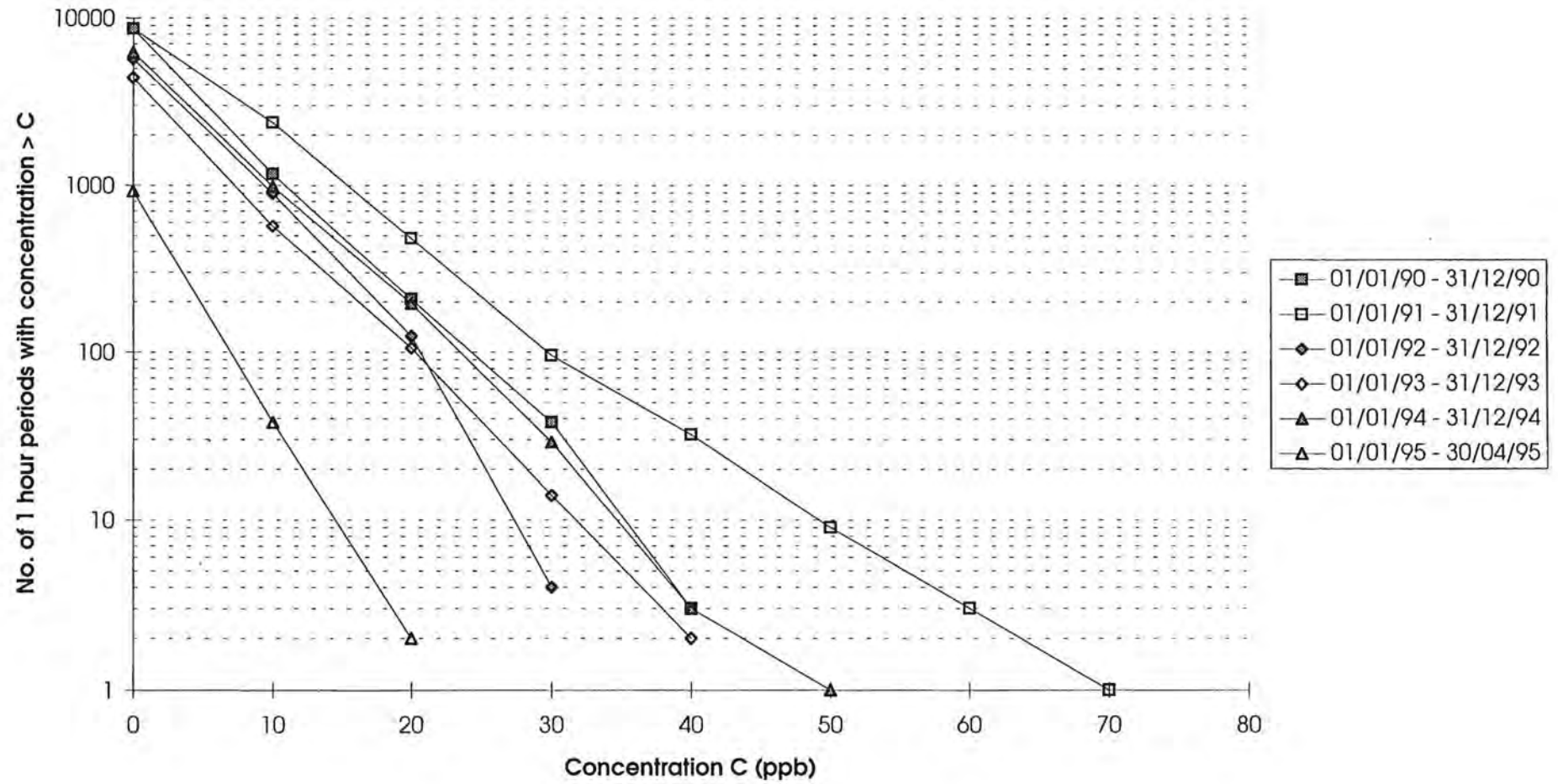
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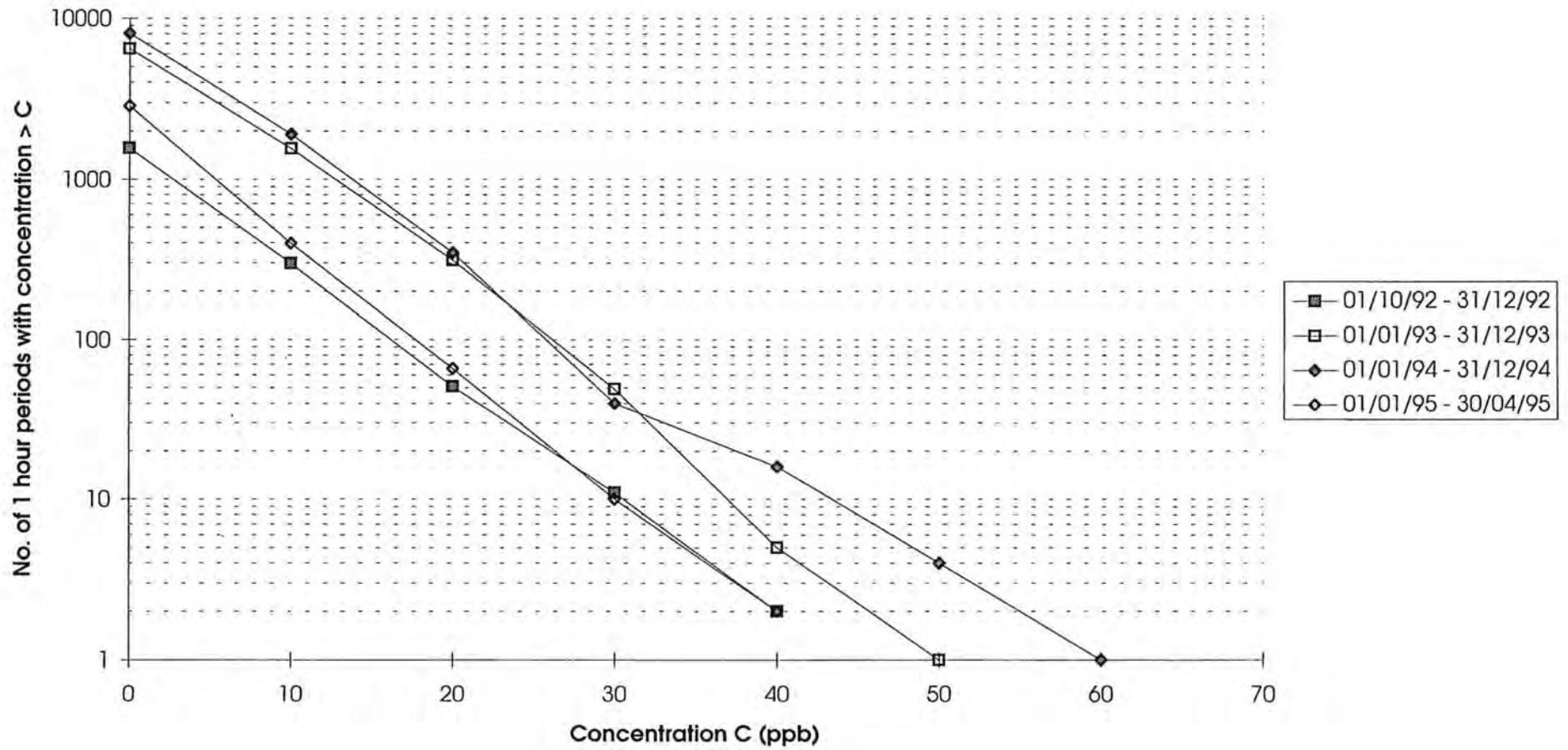
CUMULATIVE FREQUENCY GRAPH FOR NITROGEN DIOXIDE AT GINGIN



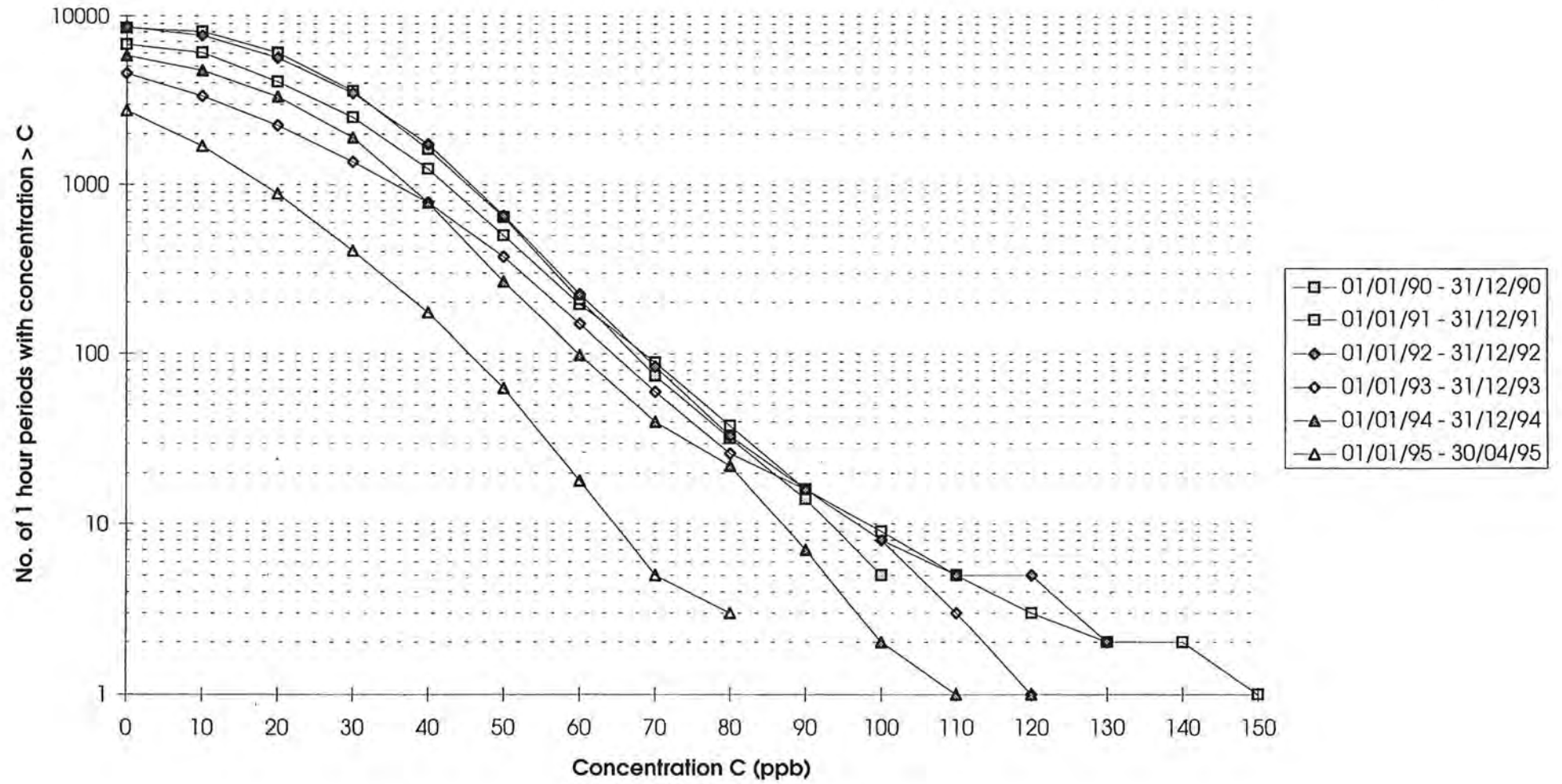
CUMULATIVE FREQUENCY GRAPH FOR NITROGEN DIOXIDE AT HOPE VALLEY



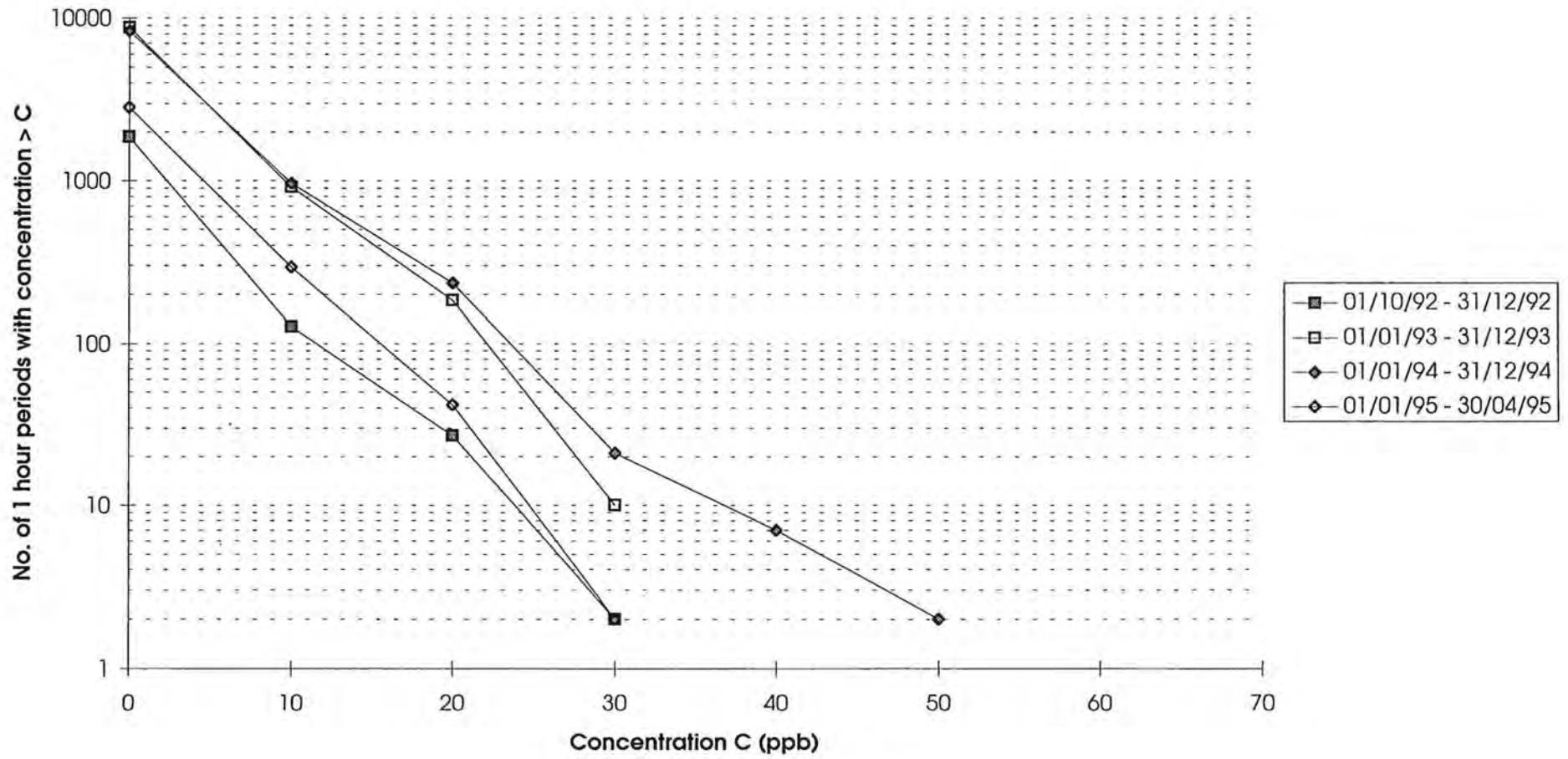
CUMULATIVE FREQUENCY GRAPH FOR NITROGEN DIOXIDE AT KENWICK



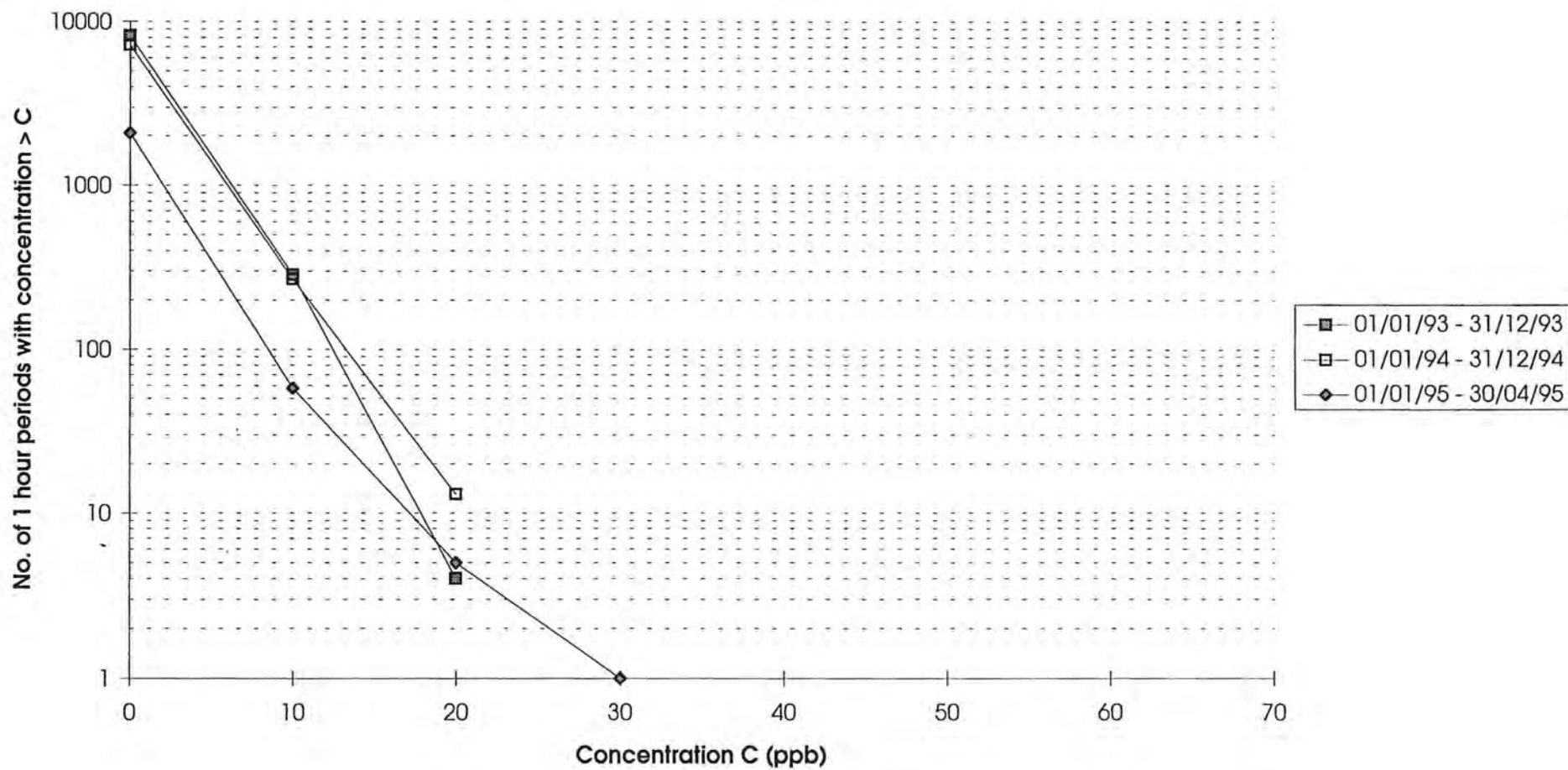
CUMULATIVE FREQUENCY GRAPH FOR NITROGEN DIOXIDE AT QUEENS BUILDINGS



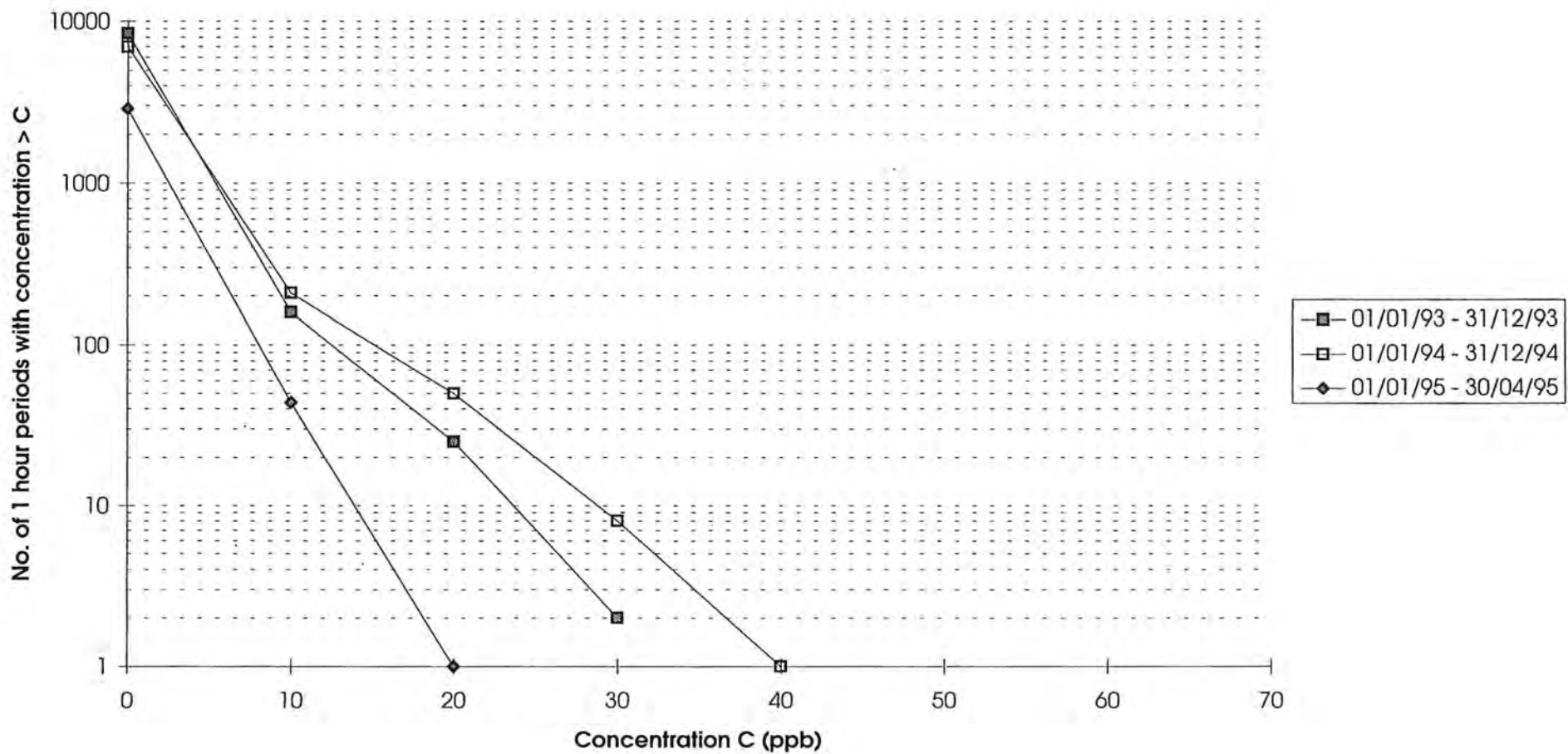
CUMULATIVE FREQUENCY GRAPH FOR NITROGEN DIOXIDE AT QUINNS ROCKS



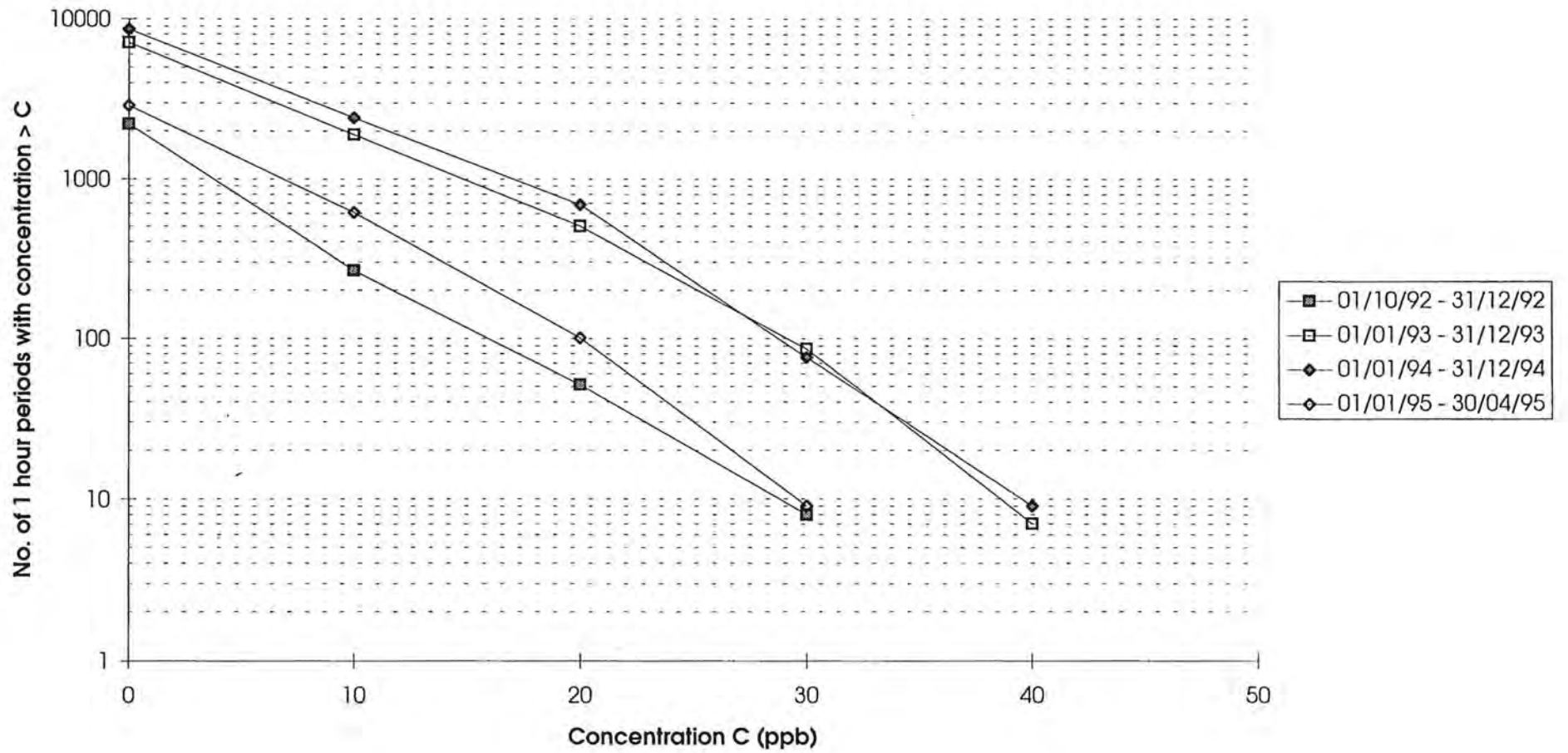
CUMULATIVE FREQUENCY GRAPH FOR NITROGEN DIOXIDE AT ROLLING GREEN



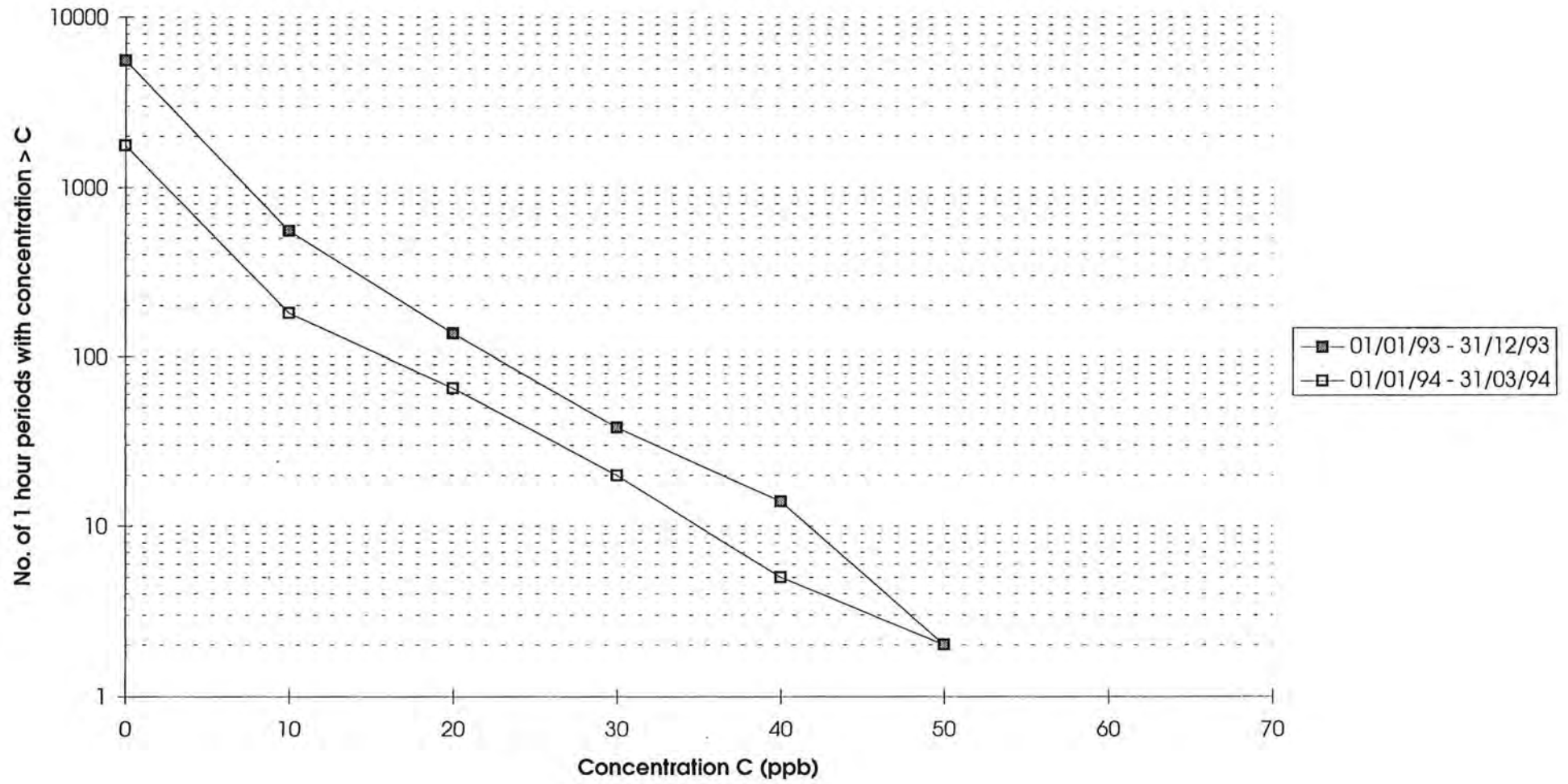
CUMULATIVE FREQUENCY GRAPH FOR NITROGEN DIOXIDE AT ROTTNEST ISLAND



CUMULATIVE FREQUENCY GRAPH FOR NITROGEN DIOXIDE AT SWANBOURNE



CUMULATIVE FREQUENCY GRAPH FOR NITROGEN DIOXIDE AT TWO ROCKS



B5 -
Monthly nitrogen
dioxide data

NITROGEN DIOXIDE DATA 1990

January 1990

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	-	-	-	-	-	-
Hope Valley	3.0	10.0	25.0	99.4	0	0
Queens Buildings	18.2	30.4	51.5	69.0	0	0

February 1990

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	-	-	-	-	-	-
Hope Valley	3.8	7.9	24.8	97.8	0	0
Queens Buildings	19.7	31.1	56.8	95.3	0	0

March 1990

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	-	-	-	-	-	-
Hope Valley	3.0	12.6	35.3	99.4	0	0
Queens Buildings	21.8	44.7	79.3	99.8	0	0

April 1990

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	-	-	-	-	-	-
Hope Valley	4.5	10.1	39.7	99.6	0	0
Queens Buildings	27.5	37.0	71.7	99.3	0	0

May 1990

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	-	-	-	-	-	-
Hope Valley	6.5	13.3	42.3	99.6	0	0
Queens Buildings	32.4	49.2	98.2	99.7	0	0

June 1990

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	-	-	-	-	-	-
Hope Valley	6.2	14.0	32.2	99.2	0	0
Queens Buildings	31.9	44.9	97.3	99.8	0	0

July 1992						
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	3.6	15.8	24.3	95.9	0	0
Hope Valley	7.4	14.2	34.2	99.5	0	0
Queens Buildings	31.4	38.7	70.8	99.8	0	0

August 1992						
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	3.3	7.1	20.7	99.6	0	0
Hope Valley	5.5	13.1	32.2	98.3	0	0
Queens Buildings	28.6	38.1	83.3	99.8	0	0

September 1992						
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	3.1	8.4	21.5	99.8	0	0
Hope Valley	3.6	11.6	26.0	99.4	0	0
Queens Buildings	26.5	42.3	66.8	99.9	0	0

October 1992						
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	4.8	17.7	49.8	96.7	0	0
Hope Valley	2.9	10.6	22.2	99.7	0	0
Kenwick	6.9	17.3	41.0	94.6	0	0
Queens Buildings	27.9	58.4	130.2	99.4	0	0
Quinns Rocks	2.8	7.3	31.2	55.6	0	0
Swanbourne	5.2	11.3	38.7	99.5	0	0
Two Rocks	-	-	-	-	-	-

November 1992						
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	2.5	5.9	25.5	99.4	0	0
Hope Valley	2.7	7.8	30.7	99.5	0	0
Kenwick	0.0	0.2	0.8	17.2	0	0
Queens Buildings	23.2	34.8	89.3	99.8	0	0
Quinns Rocks	2.0	6.1	30.3	99.8	0	0
Swanbourne	3.4	11.3	33.5	99.8	0	0
Two Rocks	2.3	3.9	13.5	21.1	0	0

December 1992						
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	4.1	12.7	26.2	91.4	0	0
Hope Valley	3.0	8.4	18.8	99.4	0	0
Kenwick	4.9	12.9	41.0	99.6	0	0
Queens Buildings	18.1	29.6	72.8	99.8	0	0
Quinns Rocks	2.6	6.0	29.8	99.6	0	0
Swanbourne	2.7	11.0	37.8	99.6	0	0
Two Rocks	2.2	5.5	22.2	99.7	0	0

NITROGEN DIOXIDE DATA 1993

January 1993						
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	4.6	13.0	34.5	98.9	0	0
Cullacubardee	5.1	12.1	34.2	99.8	0	0
Hope Valley	3.9	10.7	26.8	98.7	0	0
Kenwick	4.7	11.7	23.7	99.5	0	0
Queens Buildings	20.5	41.0	124.5	99.7	0	0
Quinns Rocks	2.4	9.3	28.3	99.8	0	0
Rolling Green	2.2	7.4	18.8	99.8	0	0
Rottnest Island	0.9	2.1	11.0	96.1	0	0
Swanbourne	1.8	2.5	7.5	14.2	0	0
Two Rocks	1.8	5.9	20.2	99.6	0	0

February 1993						
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	1.3	5.0	28.2	99.6	0	0
Cullacubardee	4.2	7.5	39.0	99.6	0	0
Hope Valley	1.9	4.3	15.8	99.7	0	0
Kenwick	4.0	8.9	26.7	99.4	0	0
Queens Buildings	11.1	24.0	72.5	83.6	0	0
Quinns Rocks	2.5	5.6	28.7	98.5	0	0
Rolling Green	1.4	3.5	18.5	99.6	0	0
Rottnest Island	1.2	3.1	11.0	99.5	0	0
Swanbourne	3.6	6.0	25.2	49.2	0	0
Two Rocks	1.9	3.9	25.2	99.5	0	0

March 1993						
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	4.3	10.7	23.8	99.6	0	0
Cullacubardee	5.4	11.1	40.7	99.5	0	0
Hope Valley	4.3	11.2	40.7	99.6	0	0
Kenwick	6.2	16.9	38.3	99.3	0	0
Queens Buildings	22.5	34.4	111.7	92.1	0	0
Quinns Rocks	3.6	8.8	31.3	99.4	0	0
Rolling Green	2.0	7.2	15.7	53.2	0	0
Rottnest Island	1.0	2.5	10.0	92.5	0	0
Swanbourne	5.2	11.7	30.2	99.2	0	0
Two Rocks	2.7	5.2	21.3	98.5	0	0

April 1993						
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	6.0	17.3	37.0	99.2	0	0
Cullacubardee	6.2	11.7	45.8	99.6	0	0
Hope Valley	5.7	15.6	32.2	99.1	0	0
Kenwick	8.5	21.6	54.0	99.2	0	0
Queens Buildings	22.8	35.9	73.7	99.7	0	0
Quinns Rocks	4.5	11.7	33.7	99.4	0	0
Rolling Green	2.7	5.8	28.5	99.6	0	0
Rottnest Island	1.3	3.8	26.2	99.3	0	0
Swanbourne	6.0	12.5	38.3	99.5	0	0
Two Rocks	6.6	6.6	13.7	1.6	0	0

May 1993						
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	6.5	10.7	31.5	99.5	0	0
Cullacubardee	4.9	11.0	26.7	79.5	0	0
Hope Valley	7.0	15.6	33.5	85.3	0	0
Kenwick	8.5	18.2	42.5	99.3	0	0
Queens Buildings	28.9	44.4	109.0	32.8	0	0
Quinns Rocks	4.5	9.8	30.2	99.8	0	0
Rolling Green	2.7	6.2	17.0	90.0	0	0
Rottnest Island	3.3	9.0	32.5	100.0	0	0
Swanbourne	9.4	14.5	29.5	90.2	0	0
Two Rocks	2.4	7.1	24.3	37.1	0	0

June 1993						
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	4.1	9.0	27.0	96.0	0	0
Cullacubardee	3.5	8.5	30.3	68.3	0	0
Hope Valley	-	-	-	-	-	-
Kenwick	7.7	15.4	34.8	99.5	0	0
Queens Buildings	-	-	-	-	-	-
Quinns Rocks	3.1	8.2	27.5	99.7	0	0
Rolling Green	1.5	4.0	14.2	99.8	0	0
Rottnest Island	2.0	6.1	18.7	99.7	0	0
Swanbourne	7.3	11.5	24.5	54.3	0	0
Two Rocks	1.9	3.3	17.2	99.7	0	0

July 1993

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	2.3	5.4	21.5	99.6	0	0
Cullacubardee	3.8	9.0	25.0	35.0	0	0
Hope Valley	-	-	-	-	-	-
Kenwick	8.5	11.6	31.3	39.9	0	0
Queens Buildings	-	-	-	-	-	-
Quinns Rocks	3.2	9.8	26.5	99.5	0	0
Rolling Green	1.4	3.8	13.5	99.5	0	0
Rottnest Island	0.9	4.7	17.7	97.6	0	0
Swanbourne	7.2	25.8	37.2	92.3	0	0
Two Rocks	1.9	4.6	25.2	81.7	0	0

August 1993

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	6.1	13.3	32.3	92.6	0	0
Cullacubardee	5.5	9.4	33.0	72.6	0	0
Hope Valley	-	-	-	-	-	-
Kenwick	-	-	-	-	-	-
Queens Buildings	-	-	-	-	-	-
Quinns Rocks	3.9	10.6	26.8	99.7	0	0
Rolling Green	2.3	4.6	17.3	92.9	0	0
Rottnest Island	1.5	6.6	23.2	97.8	0	0
Swanbourne	8.7	17.8	46.2	99.4	0	0
Two Rocks	-	-	-	-	-	-

September 1993

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	5.8	5.9	22.7	5.8	0	0
Cullacubardee	3.7	8.2	29.2	99.0	0	0
Hope Valley	-	-	-	-	-	-
Kenwick	-	-	-	-	-	-
Queens Buildings	-	-	-	-	-	-
Quinns Rocks	3.4	8.9	31.3	99.3	0	0
Rolling Green	2.0	5.1	16.5	98.4	0	0
Rottnest Island	1.1	5.3	20.8	98.3	0	0
Swanbourne	6.5	15.1	34.3	78.2	0	0
Two Rocks	-	-	-	-	-	-

October 1993						
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	6.0	11.6	51.3	98.9	0	0
Cullacubardee	4.3	11.6	51.0	99.5	0	0
Hope Valley	-	-	-	-	-	-
Kenwick	4.8	8.0	20.2	54.5	0	0
Queens Buildings	28.1	35.9	65.2	20.5	0	0
Quinns Rocks	2.4	5.2	21.3	99.2	0	0
Rolling Green	1.6	4.5	19.5	99.4	0	0
Rottnest Island	1.2	3.2	13.0	75.7	0	0
Swanbourne	5.3	11.8	34.0	99.1	0	0
Two Rocks	1.1	3.7	18.3	62.7	0	0

November 1993						
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	6.8	17.1	43.8	95.4	0	0
Cullacubardee	5.5	13.2	37.3	99.4	0	0
Hope Valley	4.4	7.7	26.7	28.0	0	0
Kenwick	4.7	10.3	47.8	99.2	0	0
Queens Buildings	24.6	41.6	99.2	98.1	0	0
Quinns Rocks	2.7	5.0	22.5	99.4	0	0
Rolling Green	2.8	5.0	19.0	98.7	0	0
Rottnest Island	1.1	2.7	15.7	99.5	0	0
Swanbourne	5.1	11.8	29.0	98.8	0	0
Two Rocks	1.7	3.4	18.3	99.3	0	0

December 1993						
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	4.8	13.8	48.3	99.1	0	0
Cullacubardee	4.3	11.1	38.8	99.2	0	0
Hope Valley	3.9	12.0	41.8	99.8	0	0
Kenwick	3.7	12.4	30.0	99.1	0	0
Queens Buildings	22.3	44.9	116.5	99.5	0	0
Quinns Rocks	2.4	6.1	33.7	99.3	0	0
Rolling Green	1.7	7.2	15.8	91.9	0	0
Rottnest Island	1.3	2.7	15.7	99.5	0	0
Swanbourne	5.0	13.1	43.8	99.2	0	0
Two Rocks	1.6	4.0	22.5	99.0	0	0

NITROGEN DIOXIDE DATA 1994

January 1994						
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	5.1	12.4	33.0	99.1	0	0
Cullacubardee	2.0	6.4	28.3	99.3	0	0
Gingin	-	-	-	-	-	-
Hope Valley	3.6	10.5	31.2	99.2	0	0
Jandakot	-	-	-	-	-	-
Kenwick	3.5	8.1	23.0	97.8	0	0
Queens Buildings	20.5	38.3	88.7	99.4	0	0
Quinns Rocks	2.2	4.0	26.7	99.1	0	0
Rolling Green	1.7	6.8	20.0	99.1	0	0
Rottnest Island	0.8	2.0	8.3	99.3	0	0
Swanbourne	5.2	11.7	35.3	98.9	0	0
Two Rocks	1.4	3.6	23.5	99.3	0	0

February 1994						
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	4.0	9.0	32.2	99.6	0	0
Cullacubardee	2.0	6.7	26.8	99.6	0	0
Gingin	-	-	-	-	-	-
Hope Valley	3.5	10.8	53.3	99.4	0	0
Jandakot	-	-	-	-	-	-
Kenwick	3.5	7.6	21.5	99.2	0	0
Queens Buildings	21.5	33.6	91.0	67.6	0	0
Quinns Rocks	2.3	11.3	19.3	90.9	0	0
Rolling Green	1.2	3.1	10.7	98.8	0	0
Rottnest Island	1.4	7.6	36.8	99.0	0	0
Swanbourne	5.0	13.3	48.8	99.6	0	0
Two Rocks	1.3	3.5	18.2	99.7	0	0

March 1994						
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	8.9	19.1	60.5	98.5	0	0
Cullacubardee	7.1	15.8	55.2	98.2	0	0
Gingin	-	-	-	-	-	-
Hope Valley	5.6	15.1	34.3	60.9	0	0
Jandakot	6.8	15.8	46.7	53.2	0	0
Kenwick	6.9	15.5	61.8	98.7	0	0
Queens Buildings	-	-	-	-	-	-
Quinns Rocks	4.3	8.3	32.7	99.2	0	0
Rolling Green	3.1	8.0	24.0	88.2	0	0
Rottnest Island	1.4	4.4	21.0	99.3	0	0
Swanbourne	6.5	17.0	36.2	86.6	0	0
Two Rocks	2.7	5.4	27.3	68.5	0	0

April 1994

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	7.9	16.2	41.7	99.3	0	0
Cullacubardee	6.5	12.5	38.3	99.4	0	0
Gingin	-	-	-	-	-	-
Hope Valley	-	-	-	-	-	-
Jandakot	4.6	11.3	37.2	99.1	0	0
Kenwick	7.3	17.9	40.7	99.7	0	0
Queens Buildings	-	-	-	-	-	-
Quinns Rocks	4.8	14.3	41.3	74.9	0	0
Rolling Green	2.9	6.9	21.2	84.2	0	0
Rottnest Island	2.6	12.2	32.3	99.7	0	0
Swanbourne	7.2	18.7	42.0	99.6	0	0
Two Rocks	-	-	-	-	-	-

May 1994

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	7.9	17.1	43.7	98.4	0	0
Cullacubardee	5.4	12.3	44.8	98.4	0	0
Gingin	-	-	-	-	-	-
Hope Valley	7.3	23.7	28.3	13.7	0	0
Jandakot	6.9	14.9	31.0	96.1	0	0
Kenwick	8.2	18.7	56.3	98.7	0	0
Queens Buildings	30.6	46.1	96.0	68.7	0	0
Quinns Rocks	4.5	14.1	37.3	97.6	0	0
Rolling Green	2.5	5.8	23.7	49.4	0	0
Rottnest Island	1.4	4.3	15.2	98.1	0	0
Swanbourne	8.5	20.1	40.2	99.4	0	0
Two Rocks	-	-	-	-	-	-

June 1994

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	7.1	11.3	42.0	99.6	0	0
Cullacubardee	4.8	8.7	27.5	59.7	0	0
Gingin	-	-	-	-	-	-
Hope Valley	9.0	19.3	39.0	99.8	0	0
Jandakot	8.8	18.7	37.8	99.5	0	0
Kenwick	8.4	16.5	54.3	99.6	0	0
Queens Buildings	28.7	53.4	100.5	99.8	0	0
Quinns Rocks	4.0	11.9	28.7	88.5	0	0
Rolling Green	-	-	-	-	-	-
Rottnest Island	2.1	9.8	35.5	99.5	0	0
Swanbourne	9.4	21.0	41.0	99.8	0	0
Two Rocks	-	-	-	-	-	-

July 1994

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	7.1	11.4	33.5	99.7	0	0
Cullacubardee	5.9	11.0	29.7	43.1	0	0
Gingin	-	-	-	-	-	-
Hope Valley	5.9	11.7	36.7	99.7	0	0
Jandakot	7.2	14.1	31.7	99.3	0	0
Kenwick	8.7	17.3	41.2	99.7	0	0
Queens Buildings	28.1	36.4	67.0	99.4	0	0
Quinns Rocks	4.1	11.5	29.0	99.6	0	0
Rolling Green	3.1	7.4	19.2	73.8	0	0
Rottnest Island	1.8	12.6	27.2	90.3	0	0
Swanbourne	8.0	20.1	36.3	99.6	0	0
Two Rocks	-	-	-	-	-	-

August 1994

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	6.5	11.3	37.7	99.6	0	0
Cullacubardee	4.5	11.0	40.3	96.1	0	0
Gingin	-	-	-	-	-	-
Hope Valley	5.3	13.6	37.2	99.6	0	0
Jandakot	4.9	16.1	29.3	99.3	0	0
Kenwick	7.1	11.5	29.5	33.6	0	0
Queens Buildings	28.1	44.2	124.7	93.4	0	0
Quinns Rocks	4.3	12.9	31.0	99.8	0	0
Rolling Green	2.1	4.5	15.5	99.7	0	0
Rottnest Island	2.6	12.5	40.8	99.7	0	0
Swanbourne	9.7	20.6	41.0	99.7	0	0
Two Rocks	-	-	-	-	-	-

September 1994

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	6.0	9.8	29.0	52.2	0	0
Cullacubardee	4.2	8.3	38.8	99.6	0	0
Gingin	1.5	3.5	14.1	61.6	0	0
Hope Valley	3.9	9.0	26.5	37.9	0	0
Jandakot	4.1	10.0	23.0	99.7	0	0
Kenwick	7.3	22.7	33.3	81.7	0	0
Queens Buildings	-	-	-	-	-	-
Quinns Rocks	3.6	6.3	25.5	99.6	0	0
Rolling Green	1.8	3.9	13.7	99.3	0	0
Rottnest Island	0.9	3.9	14.0	30.0	0	0
Swanbourne	6.6	13.6	31.5	99.7	0	0
Two Rocks	-	-	-	-	-	-

October 1994

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	5.1	10.3	33.8	97.4	0	0
Cullacubardee	4.8	10.2	31.5	99.8	0	0
Gingin	0.6	2.1	13.6	99.6	0	0
Hope Valley	1.7	3.7	16.0	54.5	0	0
Jandakot	3.8	8.7	22.3	99.7	0	0
Kenwick	5.2	10.1	28.0	99.7	0	0
Queens Buildings	17.0	27.4	47.8	59.1	0	0
Quinns Rocks	3.6	18.3	51.7	99.6	0	0
Rolling Green	2.1	6.9	26.7	95.4	0	0
Rottnest Island	-	-	-	-	-	-
Swanbourne	5.1	12.5	33.2	99.6	0	0
Two Rocks	-	-	-	-	-	-

November 1994

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	6.0	13.2	40.8	99.3	0	0
Cullacubardee	5.1	8.5	36.5	99.5	0	0
Gingin	0.8	3.1	19.9	99.5	0	0
Hope Valley	2.6	8.6	28.2	99.7	0	0
Jandakot	3.4	8.7	27.0	99.3	0	0
Kenwick	4.2	8.8	28.0	99.5	0	0
Queens Buildings	16.1	32.2	69.5	96.6	0	0
Quinns Rocks	2.5	6.3	31.7	99.2	0	0
Rolling Green	1.6	3.6	15.5	99.4	0	0
Rottnest Island	0.6	1.4	7.2	41.2	0	0
Swanbourne	4.0	9.4	33.3	99.3	0	0
Two Rocks	-	-	-	-	-	-

December 1994

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	5.1	10.7	29.7	99.5	0	0
Cullacubardee	4.5	10.0	27.3	99.4	0	0
Gingin	0.9	3.1	20.6	99.5	0	0
Hope Valley	3.0	6.3	31.7	91.6	0	0
Jandakot	3.3	6.7	25.5	99.4	0	0
Kenwick	3.5	8.8	31.5	99.4	0	0
Queens Buildings	15.1	28.3	83.2	99.7	0	0
Quinns Rocks	1.8	3.9	24.0	99.5	0	0
Rolling Green	1.4	4.0	28.3	99.5	0	0
Rottnest Island	0.7	1.9	13.2	99.7	0	0
Swanbourne	4.0	9.0	31.0	99.3	0	0
Two Rocks	-	-	-	-	-	-

NITROGEN DIOXIDE DATA 1995

January 1995						
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	5.1	10.7	34.5	99.4	0	0
Cullacubardee	4.2	7.8	23.2	99.4	0	0
Gingin	0.7	2.7	11.8	99.4	0	0
Hope Valley	2.3	5.3	23.7	99.7	0	0
Jandakot	2.8	5.9	24.5	96.5	0	0
Kenwick	2.6	6.1	16.2	99.2	0	0
Queens Buildings	13.9	25.2	64.8	83.9	0	0
Quinns Rocks	1.8	4.0	15.2	99.1	0	0
Rolling Green	1.6	4.2	11.8	98.9	0	0
Rottnest Island	0.8	1.5	7.7	99.7	0	0
Swanbourne	3.0	5.1	19.2	99.5	0	0

February 1995						
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	4.9	12.5	24.0	99.2	0	0
Cullacubardee	4.8	10.5	40.2	98.0	0	0
Gingin	1.9	4.6	18.2	99.1	0	0
Hope Valley	1.3	3.1	14.7	26.6	0	0
Jandakot	3.2	10.3	25.8	98.3	0	0
Kenwick	3.1	7.6	21.8	99.3	0	0
Queens Buildings	14.8	24.6	70.5	99.8	0	0
Quinns Rocks	2.6	5.9	26.0	99.2	0	0
Rolling Green	2.9	15.4	35.3	78.1	0	0
Rottnest Island	1.2	2.6	11.8	99.4	0	0
Swanbourne	4.9	9.1	31.0	99.6	0	0

March 1995						
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	6.8	18.1	46.8	99.4	0	0
Cullacubardee	6.5	14.1	41.2	99.3	0	0
Gingin	2.4	4.9	19.4	99.4	0	0
Hope Valley	-	-	-	-	-	-
Jandakot	5.0	17.3	37.5	99.2	0	0
Kenwick	5.4	18.4	45.8	99.5	0	0
Queens Buildings	18.4	41.5	87.8	99.8	0	0
Quinns Rocks	3.7	9.4	29.2	99.4	0	0
Rolling Green	1.8	8.0	16.3	49.9	0	0
Rottnest Island	2.0	4.6	18.0	99.4	0	0
Swanbourne	6.7	12.5	38.7	99.7	0	0

April 1995

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 60 PPB	1 HOUR PERIOD > 150 PPB
Caversham	6.6	12.5	39.3	97.4	0	0
Cullacubardee	5.7	10.5	39.2	99.7	0	0
Gingin	2.4	4.7	17.5	99.7	0	0
Hope Valley	-	-	-	-	-	-
Jandakot	5.3	12.3	32.2	99.7	0	0
Kenwick	5.1	9.9	29.5	99.7	0	0
Queens Buildings	14.4	23.8	59.2	99.8	0	0
Quinns Rocks	4.6	9.2	35.8	97.4	0	0
Rolling Green	2.0	4.5	11.8	69.0	0	0
Rottnest Island	2.4	4.7	20.5	99.7	0	0
Swanbourne	7.3	12.7	38.2	99.7	0	0

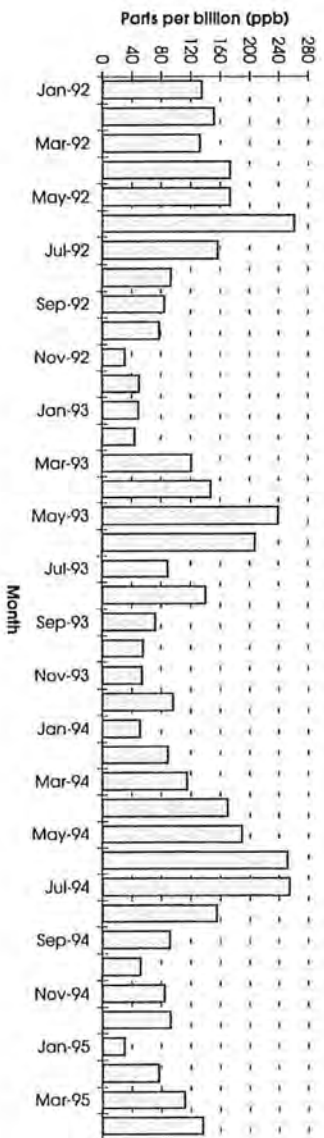
Appendix C

NITRIC OXIDE

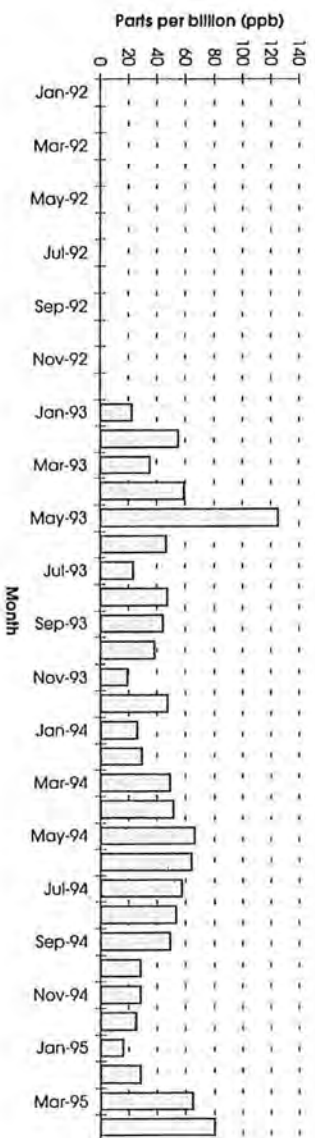
C1 -
Highest hourly nitric
oxide values per
month for each site

Highest hourly nitric oxide values per month for each site in the Perth Photochemical Smog Study

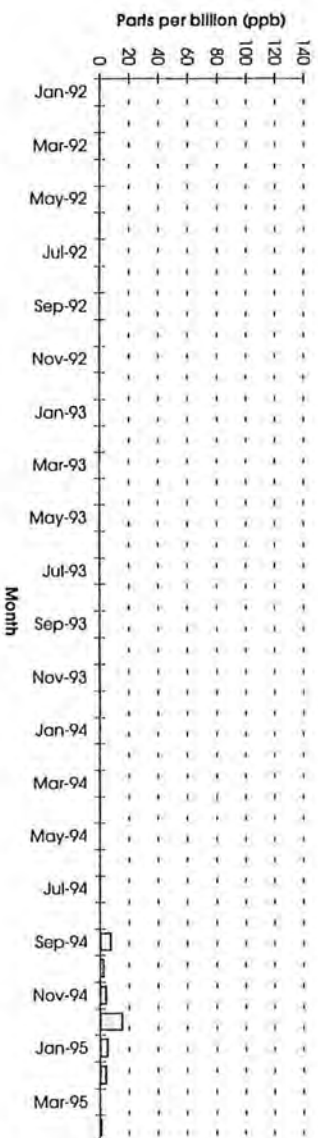
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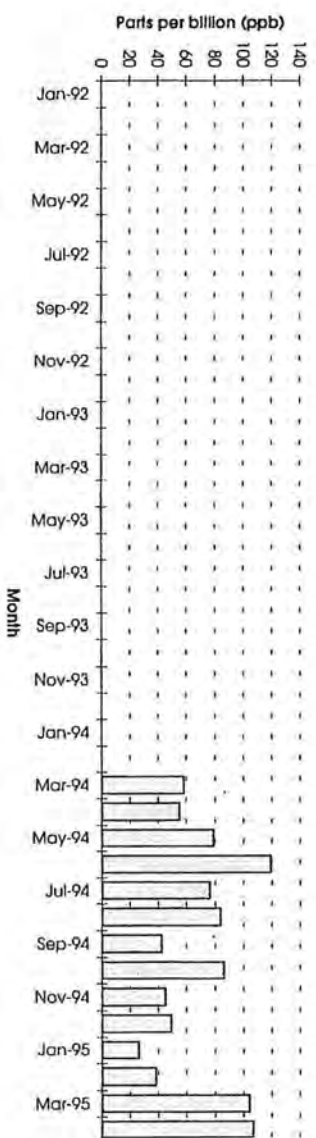
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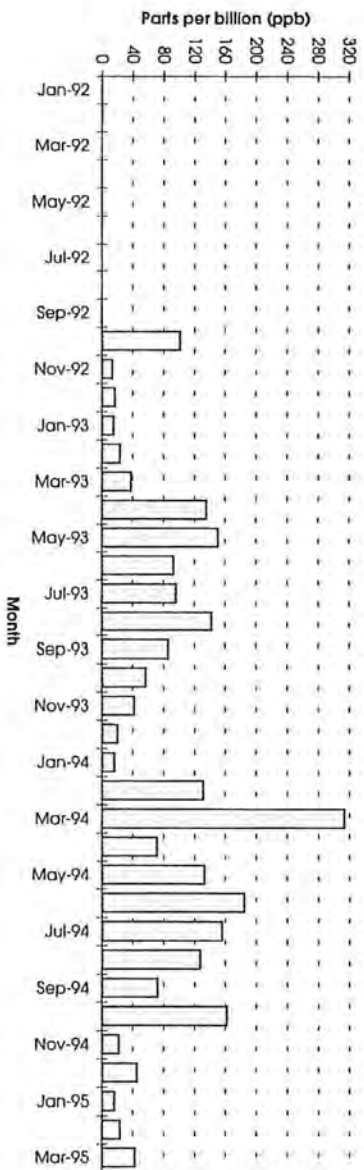


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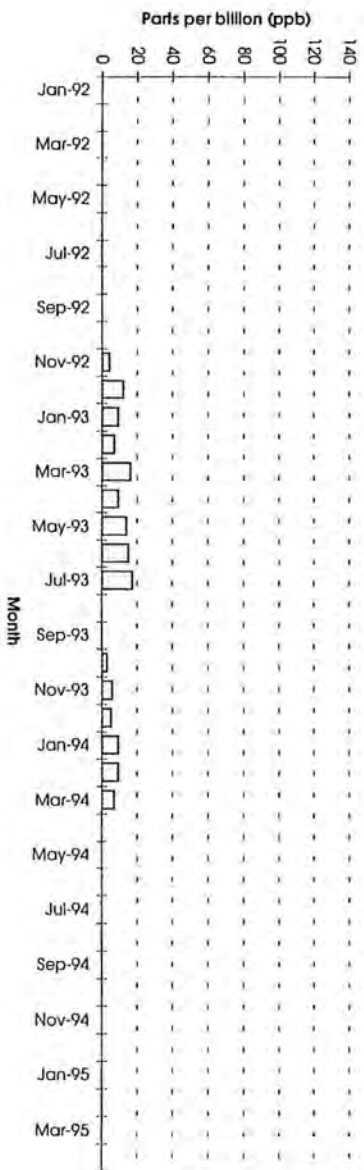


Highest hourly nitric oxide values per month for each site in the Perth Photochemical Smog Study
(cont'd)

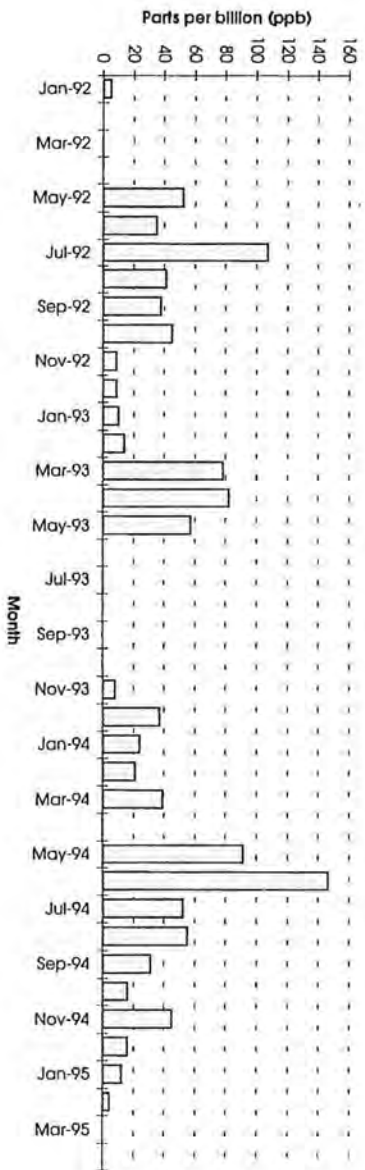
SWANBOURNE



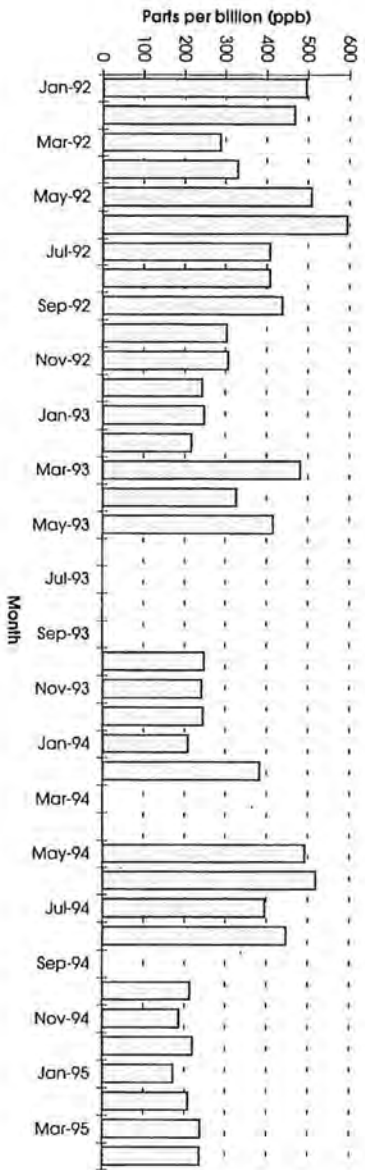
TWO ROCKS



HOPE VALLEY

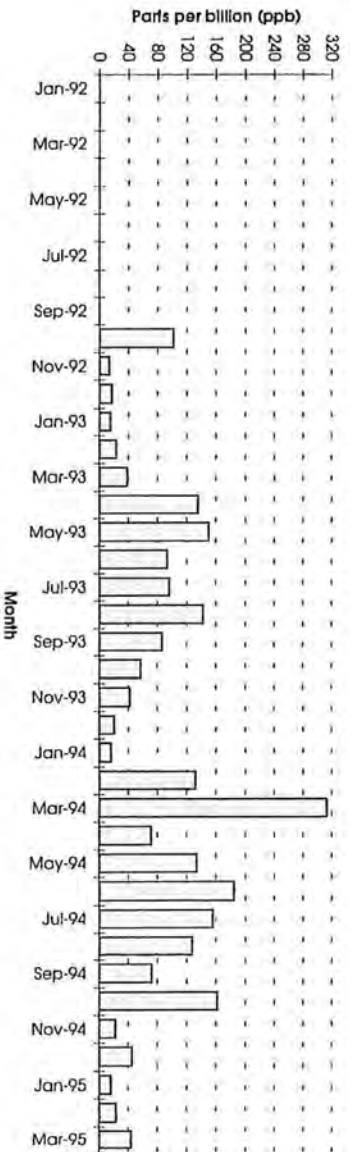


QUEENS BUILDINGS

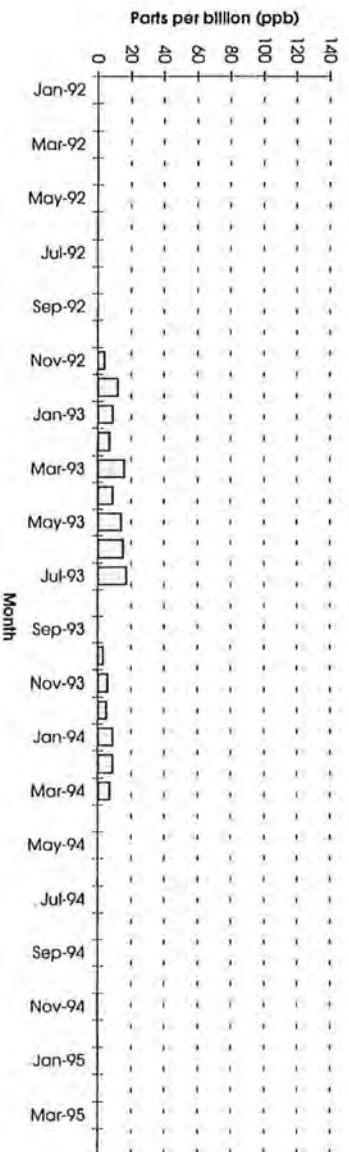


Highest hourly nitric oxide values per month for each site in the Perth Photochemical Smog Study (cont'd)

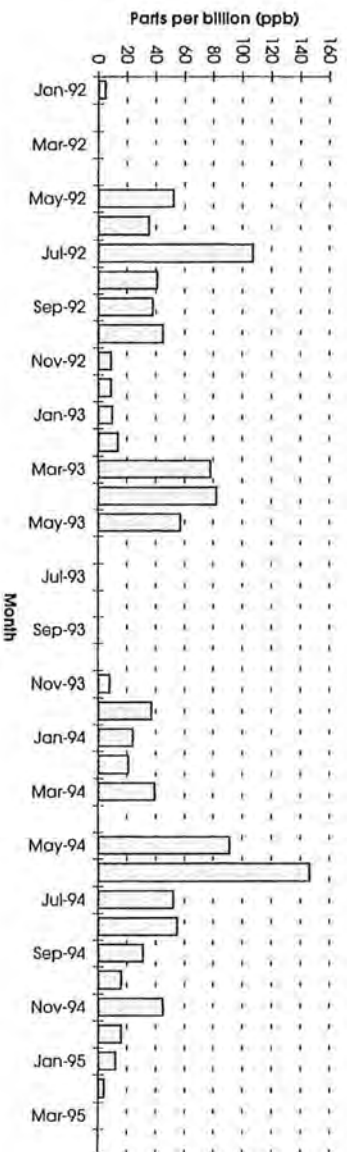
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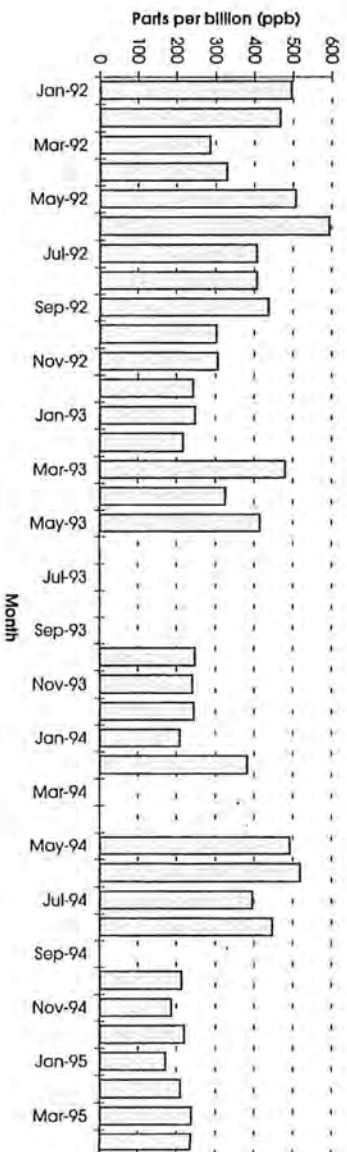
TWO ROCKS



HOPE VALLEY



QUEENS BUILDINGS



C2 -
Monthly nitric oxide
data

NITRIC OXIDE DATA 1990

January 1990				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	-	-	-	-
Hope Valley	1	3	21	99.4
Queens Buildings	53	120	259	69.0

February 1990				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	-	-	-	-
Hope Valley	1	4	16	97.8
Queens Buildings	41	149	269	95.3

March 1990				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	-	-	-	-
Hope Valley	1	4	28	99.4
Queens Buildings	52	156	394	99.8

April 1990				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	-	-	-	-
Hope Valley	1	6	32	99.6
Queens Buildings	73	177	325	99.3

May 1990				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	-	-	-	-
Hope Valley	2	11	60	99.6
Queens Buildings	96	190	689	99.7

June 1990				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	-	-	-	-
Hope Valley	2	18	125	99.2
Queens Buildings	102	241	737	99.8

July 1990				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	-	-	-	-
Hope Valley	2	7	58	89.9
Queens Buildings	87	153	473	99.0

August 1990				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	-	-	-	-
Hope Valley	2	10	62	99.7
Queens Buildings	86	199	375	99.8

September 1990				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	11	38	150	99.6
Hope Valley	2	6	43	99.7
Queens Buildings	76	190	493	99.8

October 1990				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	6	21	83	99.7
Hope Valley	1	10	73	99.8
Queens Buildings	64	156	272	99.6

November 1990				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	4	13	65	99.7
Hope Valley	1	6	100	99.6
Queens Buildings	85	132	286	99.7

December 1990				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	4	16	59	99.7
Hope Valley	1	2	14	99.4
Queens Buildings	63	124	295	99.7

NITRIC OXIDE DATA 1991

January 1991				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	3	23	100	99.7
Hope Valley	1	2	14	98.9
Queens Buildings	38	109	334	99.8

February 1991				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	3	13	63	99.7
Hope Valley	1	2	10	88.7
Queens Buildings	56	128	804	99.7

March 1991				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	6	28	112	99.6
Hope Valley	4	31	238	99.9
Queens Buildings	42	75	284	57.9

April 1991				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	10	47	213	99.5
Hope Valley	-	-	-	-
Queens Buildings	33	72	218	14.4

May 1991				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	11	38	215	97.0
Hope Valley	3	15	113	91.2
Queens Buildings	63	89	304	34.2

June 1991				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	13	51	192	95.6
Hope Valley	3	20	110	99.6
Queens Buildings	81	177	709	99.7

July 1991				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	10	46	187	97.6
Hope Valley	3	11	118	99.6
Queens Buildings	89	203	518	99.5

August 1991				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	6	29	129	98.2
Hope Valley	1	5	33	99.7
Queens Buildings	76	155	452	99.6

September 1991				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	7	24	84	99.5
Hope Valley	2	11	114	99.6
Queens Buildings	94	133	383	27.5

October 1991				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	4	14	77	99.7
Hope Valley	1	3	34	99.8
Queens Buildings	80	127	369	91.6

November 1991				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	3	12	68	99.4
Hope Valley	1	4	25	99.8
Queens Buildings	84	123	275	99.7

December 1991				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	3	12	72	99.8
Hope Valley	1	6	51	99.6
Queens Buildings	67	102	359	99.7

NITRIC OXIDE DATA 1992

January 1992				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	3	18	135	99.7
Hope Valley	0	1	5	49.7
Queens Buildings	54	115	495	99.0

February 1992				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	4	17	151	98.1
Hope Valley	-	-	-	-
Queens Buildings	69	124	467	99.7

March 1992				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	4	28	132	96.8
Hope Valley	-	-	-	-
Queens Buildings	55	122	286	99.7

April 1992				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	6	37	173	99.6
Hope Valley	-	-	-	-
Queens Buildings	55	146	329	89.6

May 1992				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	14	53	173	99.7
Hope Valley	4	15	52	36.7
Queens Buildings	81	216	507	94.1

June 1992				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	7	31	261	98.8
Hope Valley	2	8	35	99.2
Queens Buildings	69	157	593	91.8

July 1992				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	8	29	157	95.9
Hope Valley	3	25	107	99.5
Queens Buildings	91	165	408	99.8

August 1992				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	5	24	93	99.6
Hope Valley	2	10	41	98.3
Queens Buildings	80	145	408	99.8

September 1992				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	5	13	84	99.8
Hope Valley	1	5	38	99.4
Queens Buildings	73	160	437	99.9

October 1992				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	5	18	77	96.7
Hope Valley	1	4	45	99.7
Kenwick	7	18	86	94.6
Queens Buildings	75	119	302	99.4
Quinns Rocks	1	3	20	55.6
Swanbourne	0	1	10	99.5
Two Rocks	-	-	-	-

November 1992				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	2	4	31	99.4
Hope Valley	1	2	9	99.5
Kenwick	0	0	0	17.2
Queens Buildings	66	142	305	99.8
Quinns Rocks	1	2	12	99.8
Swanbourne	1	3	13	99.8
Two Rocks	1	1	4	21.1

December 1992				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	3	9	50	91.3
Hope Valley	1	2	9	99.4
Kenwick	3	12	70	99.6
Queens Buildings	54	118	243	99.7
Quinns Rocks	1	2	20	99.6
Swanbourne	1	2	17	99.6
Two Rocks	1	2	12	99.7

NITRIC OXIDE DATA 1993

January 1993				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	3	7	49	98.9
Cullacubardee	1	6	22	99.8
Hope Valley	1	2	10	98.5
Kenwick	2	11	69	99.5
Queens Buildings	59	111	247	99.7
Quinns Rocks	1	2	17	99.8
Rolling Green	1	1	24	99.8
Rottnest Island	0	1	8	96.1
Swanbourne	1	2	15	14.2
Two Rocks	1	2	9	99.6

February 1993				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	2	12	44	99.6
Cullacubardee	1	6	55	99.6
Hope Valley	1	2	14	99.7
Kenwick	3	11	73	98.6
Queens Buildings	31	78	216	83.6
Quinns Rocks	1	2	26	98.5
Rolling Green	1	4	58	99.6
Rottnest Island	0	1	6	99.5
Swanbourne	3	9	23	49.2
Two Rocks	1	2	7	99.5

March 1993				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	4	19	121	99.6
Cullacubardee	2	8	35	99.5
Hope Valley	1	7	78	99.6
Kenwick	6	26	192	99.3
Queens Buildings	68	126	481	92.1
Quinns Rocks	1	4	26	99.4
Rolling Green	1	9	51	53.2
Rottnest Island	0	1	6	92.5
Swanbourne	2	5	38	99.2
Two Rocks	2	3	16	98.5

April 1993				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	10	48	147	99.0
Cullacubardee	5	22	59	99.6
Hope Valley	2	14	82	99.2
Kenwick	14	52	182	99.2
Queens Buildings	68	145	326	99.7
Quinns Rocks	1	5	34	99.4
Rolling Green	2	6	78	99.6
Rottnest Island	0	1	9	99.3
Swanbourne	3	16	135	99.5
Two Rocks	3	3	9	1.6

May 1993				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	17	47	239	99.5
Cullacubardee	5	26	125	79.5
Hope Valley	3	16	57	85.3
Kenwick	18	71	296	99.3
Queens Buildings	55	105	415	32.8
Quinns Rocks	2	7	54	99.8
Rolling Green	4	19	97	90.0
Rottnest Island	1	3	28	99.1
Swanbourne	12	32	150	90.2
Two Rocks	4	5	14	37.1

June 1993				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	8	44	207	96.0
Cullacubardee	3	9	46	68.3
Hope Valley	-	-	-	-
Kenwick	12	45	300	99.6
Queens Buildings	-	-	-	-
Quinns Rocks	2	9	55	99.7
Rolling Green	2	12	88	99.8
Rottnest Island	0	2	15	99.7
Swanbourne	7	25	93	53.7
Two Rocks	3	4	15	99.7

July 1993

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	5	23	88	99.6
Cullacubardee	1	4	23	35.0
Hope Valley	-	-	-	-
Kenwick	11	38	164	39.9
Queens Buildings	-	-	-	-
Quinns Rocks	2	5	56	99.5
Rolling Green	1	7	57	99.5
Rottnest Island	0	1	11	98.1
Swanbourne	4	18	96	92.3
Two Rocks	3	4	17	81.7

August 1993

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	10	40	140	92.6
Cullacubardee	5	12	47	72.6
Hope Valley	-	-	-	-
Kenwick	-	-	-	-
Queens Buildings	-	-	-	-
Quinns Rocks	2	4	34	97.5
Rolling Green	2	10	104	92.9
Rottnest Island	1	6	65	97.8
Swanbourne	8	33	142	99.4
Two Rocks	-	-	-	-

September 1993

MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	9	13	72	5.8
Cullacubardee	3	9	44	99.0
Hope Valley	-	-	-	-
Kenwick	-	-	-	-
Queens Buildings	-	-	-	-
Quinns Rocks	1	5	35	97.3
Rolling Green	2	7	92	98.4
Rottnest Island	0	1	6	98.3
Swanbourne	4	15	86	78.2
Two Rocks	-	-	-	-

October 1993				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	5	11	55	98.9
Cullacubardee	2	9	38	99.5
Hope Valley	-	-	-	-
Kenwick	8	21	82	54.5
Queens Buildings	89	145	248	20.5
Quinns Rocks	1	2	19	99.2
Rolling Green	1	4	26	99.4
Rottnest Island	0	1	6	75.7
Swanbourne	2	6	57	99.1
Two Rocks	0	0	3	62.7

November 1993				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	3	9	53	95.4
Cullacubardee	1	4	19	99.4
Hope Valley	3	3	8	28.0
Kenwick	3	12	48	99.2
Queens Buildings	67	110	241	98.1
Quinns Rocks	1	1	10	99.4
Rolling Green	1	4	26	98.7
Rottnest Island	0	1	13	99.5
Swanbourne	2	4	42	98.8
Two Rocks	0	1	6	99.3

December 1993				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	3	20	95	99.1
Cullacubardee	1	7	47	99.2
Hope Valley	3	4	37	99.8
Kenwick	3	19	99	99.1
Queens Buildings	49	110	245	99.5
Quinns Rocks	1	2	12	99.3
Rolling Green	1	3	29	91.9
Rottnest Island	0	1	5	99.5
Swanbourne	2	4	20	99.2
Two Rocks	0	1	5	99.0

July 1994				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	11	36	254	99.7
Cullacubardee	7	18	57	43.1
Gingin	-	-	-	-
Hope Valley	4	11	52	99.7
Jandakot	5	17	76	99.3
Kenwick	18	72	256	99.7
Queens Buildings	81	148	395	99.4
Quinns Rocks	2	6	39	99.6
Rolling Green	3	13	126	73.8
Rottnest Island	0	2	13	99.6
Swanbourne	8	24	155	99.6
Two Rocks	-	-	-	-

August 1994				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	10	34	155	99.6
Cullacubardee	3	12	53	96.1
Gingin	-	-	-	-
Hope Valley	7	14	55	99.6
Jandakot	3	14	84	99.3
Kenwick	17	44	180	33.6
Queens Buildings	67	142	447	93.4
Quinns Rocks	2	8	74	99.8
Rolling Green	2	12	62	99.7
Rottnest Island	1	6	55	99.7
Swanbourne	8	27	127	99.7
Two Rocks	-	-	-	-

September 1994				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	7	15	91	52.2
Cullacubardee	2	6	49	99.6
Gingin	0	0	1	61.6
Hope Valley	5	8	31	37.9
Jandakot	2	7	42	99.7
Kenwick	7	32	162	81.7
Queens Buildings	-	-	-	-
Quinns Rocks	1	5	47	99.6
Rolling Green	1	4	29	99.3
Rottnest Island	0	1	5	30.0
Swanbourne	4	15	72	99.7
Two Rocks	-	-	-	-

October 1994				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	3	8	52	97.4
Cullacubardee	2	5	28	99.8
Gingin	0	0	1	99.6
Hope Valley	1	2	16	54.5
Jandakot	2	10	86	99.7
Kenwick	5	17	70	99.7
Queens Buildings	46	75	213	59.1
Quinns Rocks	1	6	34	99.6
Rolling Green	1	4	44	95.4
Rottnest Island	-	-	-	-
Swanbourne	2	26	161	99.6
Two Rocks	-	-	-	-

November 1994				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	4	18	84	99.3
Cullacubardee	2	7	28	99.5
Gingin	0	0	0	99.5
Hope Valley	1	3	45	99.7
Jandakot	2	8	45	99.3
Kenwick	3	18	75	99.5
Queens Buildings	54	111	186	96.6
Quinns Rocks	1	3	43	99.2
Rolling Green	1	2	29	99.4
Rottnest Island	0	1	3	41.2
Swanbourne	1	3	22	99.3
Two Rocks	-	-	-	-

December 1994				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	2	11	92	99.5
Cullacubardee	1	6	25	99.4
Gingin	0	0	0	99.5
Hope Valley	1	3	16	91.6
Jandakot	2	9	49	99.4
Kenwick	2	10	54	99.4
Queens Buildings	46	99	220	99.7
Quinns Rocks	1	3	38	99.5
Rolling Green	1	1	9	99.5
Rottnest Island	0	1	8	99.7
Swanbourne	2	5	45	99.3
Two Rocks	-	-	-	-

NITRIC OXIDE DATA 1995

January 1995				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	1	4	30	99.4
Cullacubardee	1	4	16	99.4
Gingin	0	0	1	99.4
Hope Valley	1	2	12	99.7
Jandakot	1	5	26	96.5
Kenwick	1	5	33	99.2
Queens Buildings	35	79	172	83.9
Quinns Rocks	0	1	8	99.1
Rolling Green	1	1	4	99.0
Rottnest Island	0	1	3	99.7
Swanbourne	1	7	16	99.5

February 1995				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	2	13	76	99.2
Cullacubardee	2	7	28	98.0
Gingin	0	0	1	99.3
Hope Valley	1	1	4	26.6
Jandakot	2	6	38	98.3
Kenwick	2	5	27	99.3
Queens Buildings	41	87	209	99.8
Quinns Rocks	1	1	17	99.3
Rolling Green	1	2	13	71.1
Rottnest Island	0	1	6	99.4
Swanbourne	2	4	23	99.6

March 1995				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	5	23	111	99.4
Cullacubardee	4	15	65	99.3
Gingin	0	0	0	99.4
Hope Valley	-	-	-	-
Jandakot	2	11	104	99.2
Kenwick	5	28	148	99.5
Queens Buildings	42	87	238	99.8
Quinns Rocks	1	5	44	99.4
Rolling Green	1	3	20	49.9
Rottnest Island	0	1	7	99.2
Swanbourne	3	8	43	99.2

April 1995				
MONITORING SITE	MONTHLY AVERAGE (ppb)	MAXIMUM 24 HOUR AVERAGE (ppb)	MAXIMUM 1 HOUR AVERAGE (ppb)	DATA RECOVERY FOR MONTH (%)
Caversham	7	21	136	97.4
Cullacubardee	4	15	80	99.7
Gingin	0	0	1	99.7
Hope Valley	-	-	-	-
Jandakot	3	11	107	99.7
Kenwick	7	30	111	99.7
Queens Buildings	47	100	236	99.8
Quinns Rocks	2	5	39	97.3
Rolling Green	3	6	61	69.0
Rottneest Island	1	1	8	99.7
Swanbourne	5	23	92	99.7

Appendix D

CARBON MONOXIDE

D1 -
Monthly carbon
monoxide data

CARBON MONOXIDE - 1990

Queens Buildings						
MONTH	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
January 1990	2.19	6.52	9.18	99.8	0	0
February 1990	1.85	6.91	11.90	95.0	0	0
March 1990	2.31	7.40	10.75	99.6	0	0
April 1990	2.11	8.24	11.20	99.7	1	0
May 1990	2.56	7.28	11.73	99.6	0	0
June 1990	2.87	9.99	13.52	99.7	1	0
July 1990	3.21	9.75	15.10	98.9	1	0
August 1990	2.30	6.75	9.63	99.6	0	0
September 1990	2.23	6.54	9.78	99.5	0	0
October 1990	2.27	6.69	8.05	99.7	0	0
November 1990	2.65	6.09	8.38	99.3	0	0
December 1990	2.50	8.26	10.33	99.6	1	0

NOTE:

The WHO air quality guidelines for CO are:

- 30 mg/m³ (25ppm) for 1 hour
- 10 mg/m³ (10ppm) for 8 hours.

The NHMRC air quality guidelines for CO is:

- 10000 µg/m³ (9ppm) for 8 hours

The NHMRC says that the guideline holds at 0°C whereas it is unclear what conditions are attached to the WHO guidelines. In both cases the quoted conversions to ppm appear to be imprecise. A conservative approach used here is to take the WHO mg/m³ guidelines and apply a conversion of 1 ppm = 1.25 mg/m³ @ STP to yield the corrected guidelines:

- 30 mg/m³ (24ppm) for 1 hour
- 10 mg/m³ (8ppm) for 8 hours.

CARBON MONOXIDE - 1991

Queens Buildings						
MONTH	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
January 1991	1.85	7.43	9.87	99.6	0	0
February 1991	1.81	7.48	10.30	99.7	0	0
March 1991	2.12	7.67	13.35	99.8	0	0
April 1991	2.05	8.36	12.77	89.6	1	0
May 1991	2.24	6.53	9.95	96.7	0	0
June 1991	2.70	7.47	12.95	99.6	0	0
July 1991	2.54	8.04	12.23	99.8	1	0
August 1991	1.95	5.42	9.57	99.6	0	0
September 1991	2.16	5.32	8.28	99.5	0	0
October 1991	2.12	6.37	9.77	97.0	0	0
November 1991	2.10	6.57	9.95	99.7	0	0
December 1991	1.96	7.92	9.78	99.7	0	0

CARBON MONOXIDE - 1992

Queens Buildings						
MONTH	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
January 1992	1.45	5.18	8.23	95.6	0	0
February 1992	1.81	6.45	10.10	99.7	0	0
March 1992	1.56	5.88	8.37	99.7	0	0
April 1992	1.51	6.06	8.93	89.7	0	0
May 1992	2.03	6.23	9.55	94.1	0	0
June 1992	2.13	6.53	10.38	91.6	0	0
July 1992	2.32	7.32	9.17	99.8	0	0
August 1992	2.08	5.99	9.68	99.8	0	0
September 1992	1.83	8.25	13.85	98.1	1	0

October 1992						
MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Queens Buildings	1.80	5.74	8.05	50.7	0	0
Swanbourne	0.14	1.14	2.08	99.5	0	0

November 1992						
MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Queens Buildings	1.65	5.81	8.53	99.7	0	0
Swanbourne	0.07	0.43	0.65	99.8	0	0

December 1992						
MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Queens Buildings	1.74	6.37	9.72	99.8	0	0
Swanbourne	0.08	0.46	0.93	99.6	0	0

CARBON MONOXIDE - 1993

January 1993						
MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Caversham	-	-	-	-	-	-
Queens Buildings	1.68	5.17	8.47	99.8	0	0
Swanbourne	0.09	0.31	0.62	99.9	0	0

February 1993						
MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Caversham	-	-	-	-	-	-
Queens Buildings	1.49	5.16	8.83	83.8	0	0
Swanbourne	0.09	0.28	0.58	99.6	0	0

March 1993						
MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Caversham	-	-	-	-	-	-
Queens Buildings	1.75	4.96	10.10	92.1	0	0
Swanbourne	0.09	0.43	0.82	99.6	0	0

April 1993						
MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Caversham	-	-	-	-	-	-
Queens Buildings	2.07	7.08	9.72	99.7	0	0
Swanbourne	0.18	1.15	2.85	99.5	0	0

May 1993						
MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Caversham	-	-	-	-	-	-
Queens Buildings	2.11	7.22	11.23	92.4	0	0
Swanbourne	0.42	2.34	4.02	90.2	0	0

June 1993						
MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Caversham	-	-	-	-	-	-
Queens Buildings	2.01	6.09	9.23	66.2	0	0
Swanbourne	0.33	1.62	2.70	91.3	0	0

July 1993						
MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Caversham	-	-	-	-	-	-
Queens Buildings	1.95	5.94	7.70	99.7	0	0
Swanbourne	0.25	1.13	1.78	63.4	0	0

August 1993						
MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Caversham	0.33	1.56	2.28	92.8	0	0
Queens Buildings	2.11	5.66	10.25	99.6	0	0
Swanbourne	0.24	1.13	2.58	65.8	0	0

September 1993						
MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Caversham	0.26	1.24	2.38	99.0	0	0
Queens Buildings	2.00	5.07	12.80	99.5	0	0
Swanbourne	0.18	0.95	1.85	78.8	0	0

October 1993						
MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Caversham	0.19	1.05	1.58	98.9	0	0
Queens Buildings	1.79	5.25	9.33	99.0	0	0
Swanbourne	0.19	0.71	1.30	99.1	0	0

November 1993						
MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Caversham	0.19	0.63	1.32	91.7	0	0
Queens Buildings	1.94	7.42	9.65	94.9	0	0
Swanbourne	0.12	0.58	1.03	99.1	0	0

December 1993						
MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Caversham	0.13	0.77	3.96	34.0	0	0
Queens Buildings	1.57	6.73	9.62	96.3	0	0
Swanbourne	0.09	0.42	0.93	99.3	0	0

CARBON MONOXIDE - 1994

January 1994

MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Caversham	0.11	0.31	0.43	67.2	0	0
Queens Buildings	1.33	4.37	7.35	99.4	0	0
Swanbourne	0.10	0.44	0.82	99.1	0	0

February 1994

MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Caversham	0.21	1.45	6.15	17.9	0	0
Queens Buildings	1.38	8.09	9.28	99.7	0	0
Swanbourne	0.12	1.24	2.82	99.6	0	0

March 1994

MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Caversham	0.06	0.39	1.30	19.3	0	0
Queens Buildings	1.96	6.56	9.32	94.2	0	0
Swanbourne	0.17	1.08	2.08	98.4	0	0

April 1994

MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Caversham	0.41	2.17	3.12	99.3	0	0
Queens Buildings	1.92	6.78	9.52	99.7	0	0
Swanbourne	0.22	1.21	1.57	99.5	0	0

May 1994

MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Caversham	0.57	3.45	4.70	98.7	0	0
Queens Buildings	2.21	8.89	11.62	97.1	0	0
Swanbourne	0.31	1.39	3.15	90.5	0	0

June 1994

MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Caversham	0.61	3.35	4.47	99.8	0	0
Queens Buildings	2.46	7.91	10.62	94.0	0	0
Swanbourne	0.53	2.75	3.98	98.9	0	0

July 1994						
MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Caversham	0.39	2.26	3.33	99.7	0	0
Queens Buildings	2.28	7.59	9.05	92.0	0	0
Swanbourne	0.32	2.01	3.63	99.4	0	0

August 1994						
MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Caversham	0.32	2.12	2.57	99.6	0	0
Queens Buildings	1.72	5.90	8.58	99.7	0	0
Swanbourne	0.30	1.39	2.70	99.7	0	0

September 1994						
MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Caversham	0.28	1.23	2.10	99.7	0	0
Queens Buildings	1.62	5.43	7.82	99.7	0	0
Swanbourne	0.35	1.23	1.77	99.8	0	0

October 1994						
MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Caversham	0.18	0.69	1.02	97.5	0	0
Queens Buildings	1.53	5.62	7.23	99.8	0	0
Swanbourne	0.12	1.39	2.72	99.5	0	0

November 1994						
MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Caversham	0.22	1.06	1.97	99.3	0	0
Queens Buildings	1.91	6.69	8.20	99.7	0	0
Swanbourne	0.11	0.46	0.80	99.3	0	0

December 1994						
MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Caversham	0.16	1.11	2.57	99.4	0	0
Queens Buildings	1.62	6.02	9.45	97.4	0	0
Swanbourne	0.15	0.81	1.48	99.4	0	0

CARBON MONOXIDE - 1995

January 1995						
MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Caversham	0.11	0.54	0.88	99.5	0	0
Queens Buildings	1.18	4.34	5.86	99.8	0	0
Swanbourne	0.12	0.33	0.54	99.4	0	0

February 1995						
MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Caversham	-	-	-	-	-	-
Queens Buildings	1.32	4.64	6.82	99.7	0	0
Swanbourne	0.06	0.34	0.52	99.8	0	0

March 1995						
MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Caversham	-	-	-	-	-	-
Queens Buildings	1.39	5.10	7.78	99.8	0	0
Swanbourne	0.06	0.37	0.74	99.6	0	0

April 1995						
MONITORING SITE	MONTHLY AVERAGE (ppm)	MAXIMUM 8 HOUR AVERAGE (ppm)	MAXIMUM 1 HOUR AVERAGE (ppm)	DATA RECOVERY FOR MONTH (%)	8 HOUR PERIOD > 8 PPM	1 HOUR PERIOD > 24 PPM
Caversham	0.21	2.21	5.28	97.5	0	0
Queens Buildings	1.46	5.42	7.75	73.7	0	0
Swanbourne	0.18	1.27	2.42	99.8	0	0

Appendix E

SULPHUR DIOXIDE

E1 -
Monthly sulphur
dioxide data

SULPHUR DIOXIDE - 1990

January 1990

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	10	28	291	99.5	0	0
Rockingham	2	7	27	99.4	0	0
Wattleup	7	30	230	99.4	0	0

February 1990

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	10	30	329	95.8	0	0
Rockingham	2	7	62	99.3	0	0
Wattleup	11	33	279	99.2	0	0

March 1990

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	2	23	156	98.4	0	0
Rockingham	3	13	72	98.9	0	0
Wattleup	9	36	376	77.4	0	1

April 1990

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	2	26	126	99.4	0	0
Rockingham	4	24	116	98.3	0	0
Wattleup	2	7	66	94.0	0	0

May 1990

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	2	12	144	99.2	0	0
Rockingham	8	19	86	54.4	0	0
Wattleup	3	15	142	98.8	0	0

June 1990

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	1	8	47	98.5	0	0
Rockingham	8	20	85	99.7	0	0
Wattleup	1	8	99	95.4	0	0

July 1990

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	3	20	125	89.7	0	0
Rockingham	4	14	108	98.9	0	0
Wattleup	1	6	92	99.1	0	0

August 1990

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	2	15	69	99.4	0	0
Rockingham	6	19	87	99.4	0	0
Wattleup	4	9	53	99.6	0	0

September 1990

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	4	12	131	99.2	0	0
Rockingham	3	12	51	99.4	0	0
Wattleup	4	20	89	99.5	0	0

October 1990

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	5	35	116	98.9	0	0
Rockingham	1	4	28	99.5	0	0
Wattleup	4	17	109	99.3	0	0

November 1990

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	6	32	275	98.2	0	0
Rockingham	0	1	8	21.8	0	0
Wattleup	7	21	163	99.3	0	0

December 1990

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	7	40	461	99.4	0	1
Rockingham	0	9	95	91.2	0	0
Wattleup	14	92	593	97.7	1	2

SULPHUR DIOXIDE - 1991

January 1991						
MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	4	15	279	99.1	0	0
Rockingham	1	17	61	99.3	0	0
Wattleup	20	55	279	95.7	0	0

February 1991						
MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	1	6	73	98.1	0	0
Rockingham	1	5	52	91.0	0	0
Wattleup	5	21	127	93.9	0	0

March 1991						
MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	1	11	159	99.5	0	0
Rockingham	1	7	65	99.4	0	0
Wattleup	3	18	214	99.3	0	0

April 1991						
MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	3	18	207	99.4	0	0
Rockingham	4	15	47	65.7	0	0
Wattleup	5	18	192	99.6	0	0

May 1991						
MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	1	23	104	99.0	0	0
Rockingham	3	13	83	77.5	0	0
Wattleup	1	9	48	98.8	0	0

June 1991						
MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	1	4	22	99.1	0	0
Rockingham	2	11	38	99.3	0	0
Wattleup	0	0	0	99.4	0	0

July 1991

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 125 $\mu\text{g}/\text{m}^3$	1 HOUR PERIOD > 350 $\mu\text{g}/\text{m}^3$
Hope Valley	1	6	28	92.6	0	0
Rockingham	0	3	17	99.4	0	0
Wattleup	1	5	18	83.6	0	0

August 1991

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 125 $\mu\text{g}/\text{m}^3$	1 HOUR PERIOD > 350 $\mu\text{g}/\text{m}^3$
Hope Valley	4	21	105	98.7	0	0
Rockingham	0	4	17	99.4	0	0
Wattleup	3	9	57	99.0	0	0

September 1991

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 125 $\mu\text{g}/\text{m}^3$	1 HOUR PERIOD > 350 $\mu\text{g}/\text{m}^3$
Hope Valley	4	16	122	99.5	0	0
Rockingham	0	3	28	99.6	0	0
Wattleup	5	15	141	99.2	0	0

October 1991

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 125 $\mu\text{g}/\text{m}^3$	1 HOUR PERIOD > 350 $\mu\text{g}/\text{m}^3$
Hope Valley	5	24	183	99.2	0	0
Rockingham	0	0	6	30.0	0	0
Wattleup	5	31	295	98.9	0	0

November 1991

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 125 $\mu\text{g}/\text{m}^3$	1 HOUR PERIOD > 350 $\mu\text{g}/\text{m}^3$
Hope Valley	3	12	90	99.4	0	0
Rockingham	1	5	44	99.6	0	0
Wattleup	3	15	86	99.5	0	0

December 1991

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 125 $\mu\text{g}/\text{m}^3$	1 HOUR PERIOD > 350 $\mu\text{g}/\text{m}^3$
Hope Valley	5	52	477	99.5	0	1
Rockingham	0	2	19	99.6	0	0
Wattleup	6	20	303	96.0	0	0

SULPHUR DIOXIDE - 1992

January 1992						
MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	9	53	594	92.6	0	0
Rockingham	1	5	52	99.6	0	0
Wattleup	4	15	266	99.4	0	0

February 1992						
MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	2	8	130	99.0	0	0
Rockingham	1	4	23	99.6	0	0
Wattleup	4	15	112	99.6	0	0

March 1992						
MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	2	14	120	99.6	0	0
Rockingham	1	6	64	99.6	0	0
Wattleup	2	10	98	94.8	0	0

April 1992						
MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	2	14	119	99.0	0	0
Rockingham	1	5	44	99.6	0	0
Wattleup	2	11	206	89.4	0	0

May 1992						
MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	1	5	30	99.0	0	0
Rockingham	2	23	329	99.5	0	0
Wattleup	2	14	52	83.0	0	0

June 1992						
MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	3	15	71	96.9	0	0
Rockingham	4	27	138	99.4	0	0
Wattleup	1	5	18	99.2	0	0

July 1992						
MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 125 $\mu\text{g}/\text{m}^3$	1 HOUR PERIOD > 350 $\mu\text{g}/\text{m}^3$
Hope Valley	2	14	59	97.6	0	0
Rockingham	4	26	103	99.4	0	0
Wattleup	2	7	50	99.6	0	0

August 1992						
MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 125 $\mu\text{g}/\text{m}^3$	1 HOUR PERIOD > 350 $\mu\text{g}/\text{m}^3$
Hope Valley	6	25	181	92.5	0	0
Rockingham	2	12	61	99.4	0	0
Wattleup	3	12	53	99.6	0	0

September 1992						
MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 125 $\mu\text{g}/\text{m}^3$	1 HOUR PERIOD > 350 $\mu\text{g}/\text{m}^3$
Hope Valley	3	20	128	99.2	0	0
Rockingham	1	4	25	99.6	0	0
Wattleup	4	16	242	99.5	0	0

October 1992						
MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 125 $\mu\text{g}/\text{m}^3$	1 HOUR PERIOD > 350 $\mu\text{g}/\text{m}^3$
Hope Valley	4	15	147	99.6	0	0
Rockingham	2	5	51	99.8	0	0
Wattleup	6	23	92	99.7	0	0

November 1992						
MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 125 $\mu\text{g}/\text{m}^3$	1 HOUR PERIOD > 350 $\mu\text{g}/\text{m}^3$
Hope Valley	6	42	173	99.3	0	0
Rockingham	1	7	36	99.6	0	0
Wattleup	8	28	175	99.5	0	0

December 1992						
MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 125 $\mu\text{g}/\text{m}^3$	1 HOUR PERIOD > 350 $\mu\text{g}/\text{m}^3$
Hope Valley	6	29	422	99.4	0	1
Rockingham	1	4	22	99.1	0	0
Wattleup	11	41	372	99.4	0	1

SULPHUR DIOXIDE - 1993

January 1993						
MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	10	78	978	99.4	0	3
Rockingham	1	4	53	99.1	0	0
Wattleup	19	71	614	99.4	0	1

February 1993						
MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	7	31	393	99.6	0	1
Rockingham	1	7	60	99.5	0	0
Wattleup	10	34	414	98.7	0	1

March 1993						
MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	6	21	245	99.1	0	0
Rockingham	1	5	59	97.7	0	0
Wattleup	9	34	198	99.4	0	0

April 1993						
MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	6	48	470	99.3	0	1
Rockingham	1	4	44	99.5	0	0
Wattleup	7	24	287	99.5	0	0

May 1993						
MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	3	10	53	84.8	0	0
Rockingham	4	27	168	94.3	0	0
Wattleup	3	9	78	99.7	0	0

June 1993						
MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	2	6	41	99.5	0	0
Rockingham	5	44	164	99.4	0	0
Wattleup	3	9	75	99.5	0	0

July 1993

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 125 $\mu\text{g}/\text{m}^3$	1 HOUR PERIOD > 350 $\mu\text{g}/\text{m}^3$
Hope Valley	4	27	101	99.4	0	0
Rockingham	7	34	159	81.5	0	0
Wattleup	5	12	100	99.5	0	0

August 1993

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 125 $\mu\text{g}/\text{m}^3$	1 HOUR PERIOD > 350 $\mu\text{g}/\text{m}^3$
Hope Valley	5	21	179	99.2	0	0
Rockingham	3	7	76	83.4	0	1
Wattleup	6	20	238	99.1	0	0

September 1993

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 125 $\mu\text{g}/\text{m}^3$	1 HOUR PERIOD > 350 $\mu\text{g}/\text{m}^3$
Hope Valley	8	27	283	99.0	0	0
Rockingham	4	17	142	75.3	0	0
Wattleup	7	31	209	99.5	0	0

October 1993

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 125 $\mu\text{g}/\text{m}^3$	1 HOUR PERIOD > 350 $\mu\text{g}/\text{m}^3$
Hope Valley	6	34	150	99.5	0	0
Rockingham	3	6	27	87.6	0	0
Wattleup	7	28	208	98.8	0	0

November 1993

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 125 $\mu\text{g}/\text{m}^3$	1 HOUR PERIOD > 350 $\mu\text{g}/\text{m}^3$
Hope Valley	4	14	161	99.5	0	0
Rockingham	3	5	48	99.4	0	0
Wattleup	11	45	272	99.2	0	0

December 1993

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 125 $\mu\text{g}/\text{m}^3$	1 HOUR PERIOD > 350 $\mu\text{g}/\text{m}^3$
Hope Valley	5	19	185	99.5	0	0
Rockingham	2	6	59	99.6	0	0
Wattleup	11	31	174	80.8	0	0

SULPHUR DIOXIDE - 1994

January 1994

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	4	14	184	99.4	0	0
Rockingham	3	5	11	99.1	0	0
Wattleup	10	23	180	99.4	0	0

February 1994

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	4	14	136	99.3	0	0
Rockingham	2	4	17	99.5	0	0
Wattleup	6	16	138	99.6	0	0

March 1994

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	4	13	93	98.7	0	0
Rockingham	3	5	47	75.2	0	0
Wattleup	6	13	94	98.7	0	0

April 1994

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	5	18	132	99.3	0	0
Rockingham	3	14	56	99.5	0	0
Wattleup	5	11	166	99.5	0	0

May 1994

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	5	32	169	84.8	0	0
Rockingham	7	17	94	94.3	0	0
Wattleup	8	17	149	99.7	0	0

June 1994

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	5	14	89	99.4	0	0
Rockingham	9	37	141	99.5	0	0
Wattleup	2	7	37	99.5	0	0

July 1994

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	4	10	79	99.5	0	0
Rockingham	3	8	82	99.5	0	0
Wattleup	3	8	82	99.4	0	0

August 1994

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	3	8	60	99.4	0	0
Rockingham	6	35	446	99.5	0	1
Wattleup	5	13	131	99.6	0	0

September 1994

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	4	17	126	99.4	0	0
Rockingham	3	14	106	99.5	0	0
Wattleup	5	14	109	99.3	0	0

October 1994

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	3	11	59	99.5	0	0
Rockingham	2	12	48	99.5	0	0
Wattleup	4	14	51	99.6	0	0

November 1994

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	8	28	241	99.5	0	0
Rockingham	2	7	53	99.4	0	0
Wattleup	8	17	183	99.4	0	0

December 1994

MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	11	47	564	91.4	0	3
Rockingham	1	6	34	99.4	0	0
Wattleup	10	32	319	76.9	0	0

SULPHUR DIOXIDE - 1995

January 1995						
MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	4	9	103	99.4	0	0
Rockingham	2	5	29	99.3	0	0
Wattleup	9	27	195	99.1	0	0

February 1995						
MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	5	11	112	99.6	0	0
Rockingham	3	14	84	99.7	0	0
Wattleup	8	30	181	99.3	0	0

March 1995						
MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	6	21	272	99.5	0	0
Rockingham	3	7	62	99.5	0	0
Wattleup	7	27	247	99.4	0	0

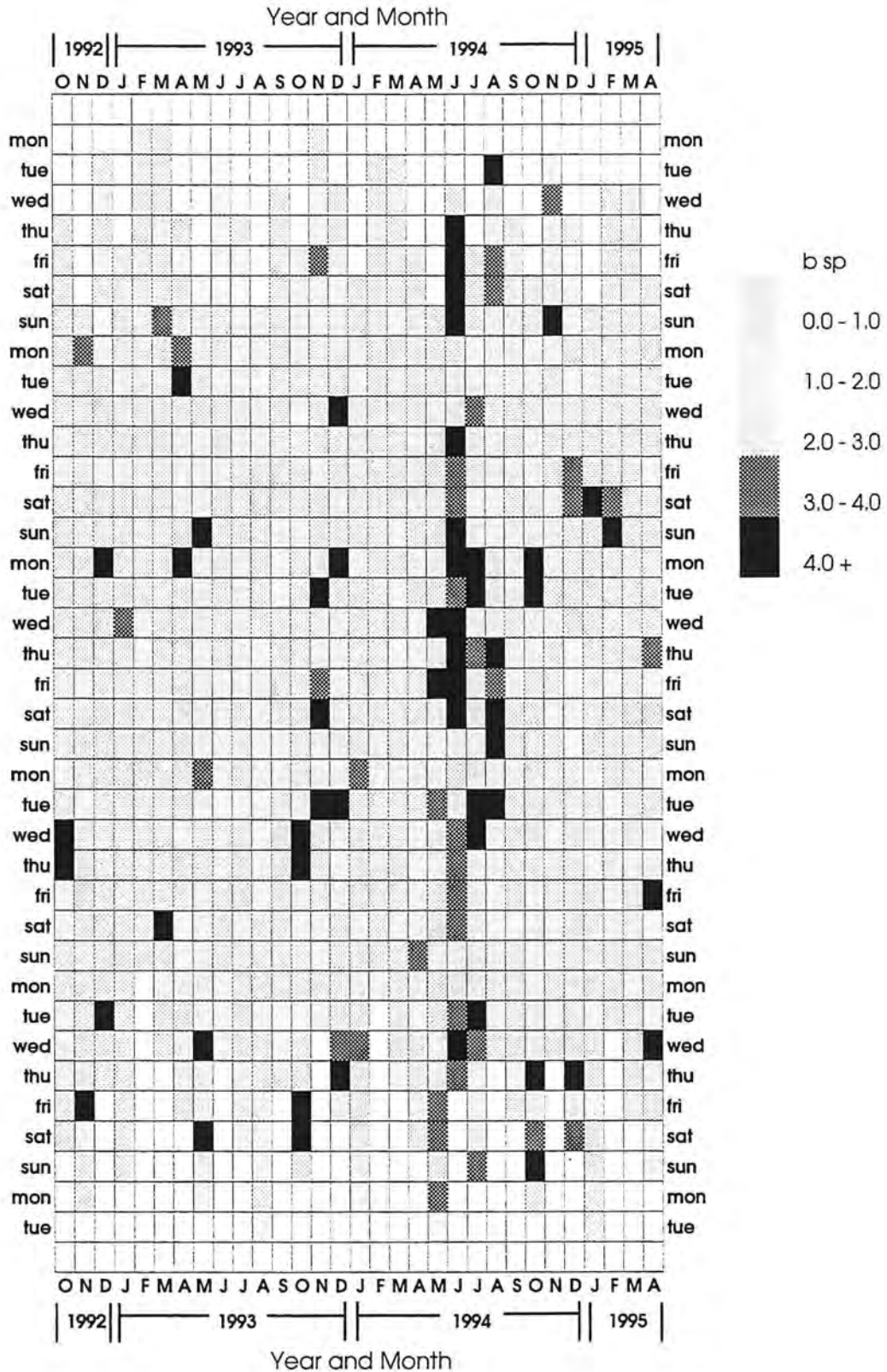
April 1995						
MONITORING SITE	MONTHLY AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 24 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	MAXIMUM 1 HOUR AVERAGE ($\mu\text{g}/\text{m}^3$)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD $> 125 \mu\text{g}/\text{m}^3$	1 HOUR PERIOD $> 350 \mu\text{g}/\text{m}^3$
Hope Valley	4	9	90	99.2	0	0
Rockingham	3	9	78	99.5	0	0
Wattleup	4	17	104	99.4	0	0

Appendix F

VISIBILITY / PARTICULATES

F1 -
General Statistics

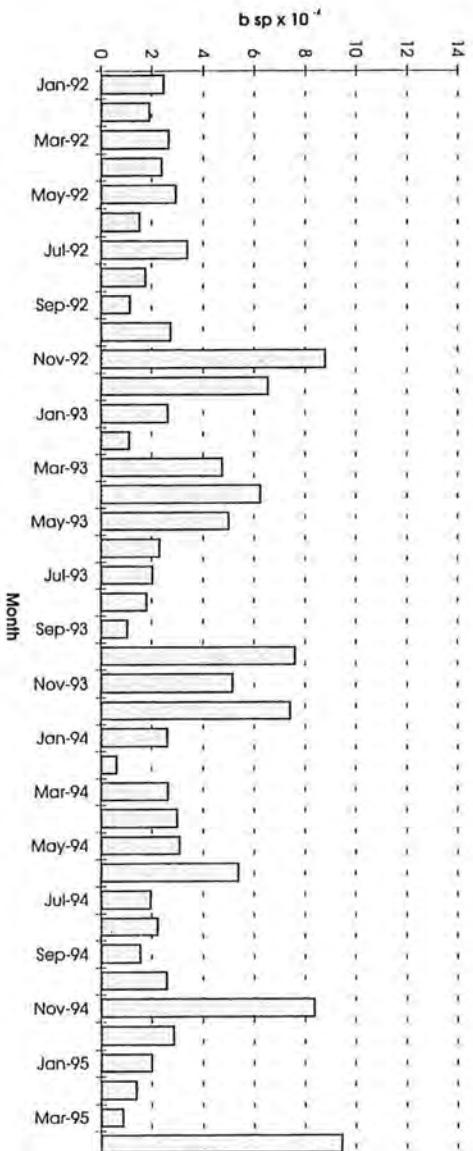
MAXIMUM ONE HOUR VISIBILITY (B SP) IN THE PERTH METROPOLITAN REGION
 DURING THE PERIOD 1 OCTOBER 1992 TO 30 APRIL 1995



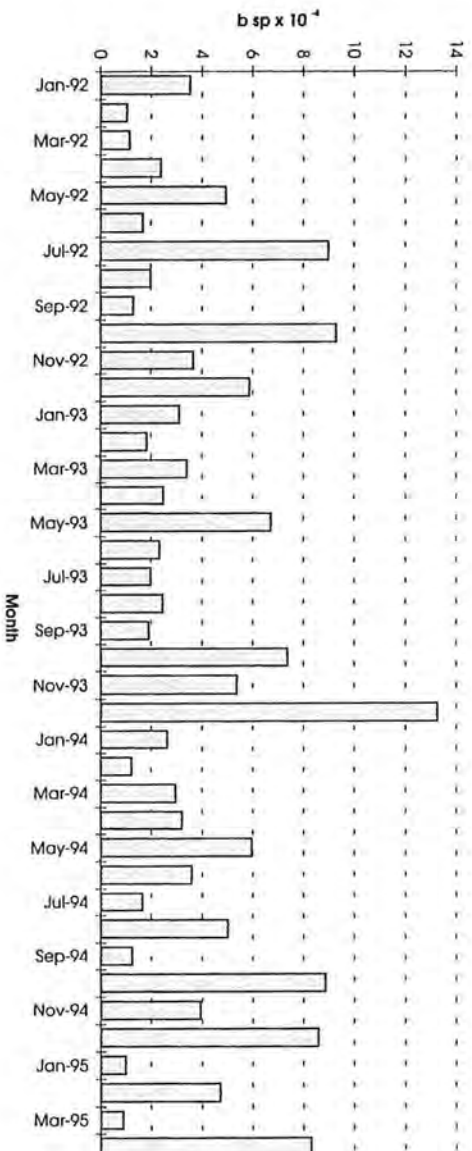
F2 -
Highest hourly
visibility values per
month for each site

Highest hourly visibility values per month for each site in the Perth Metropolitan region

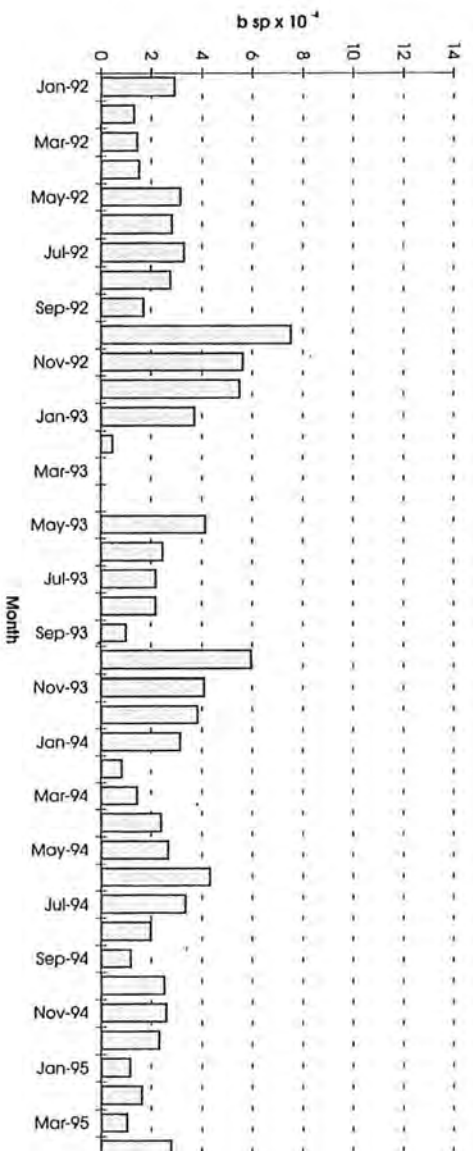
CAVERSHAM



HOPE VALLEY

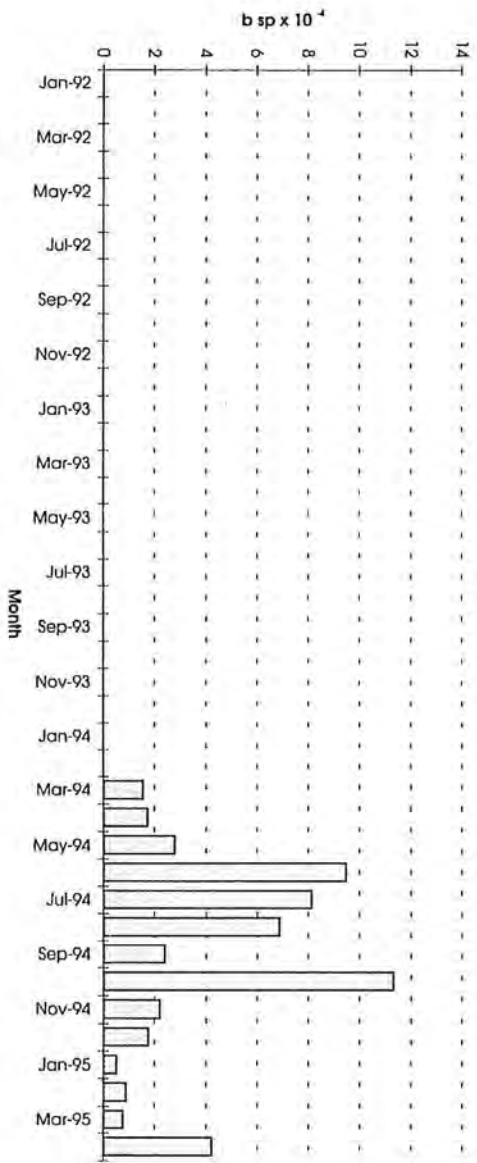


QUEENS BUILDINGS

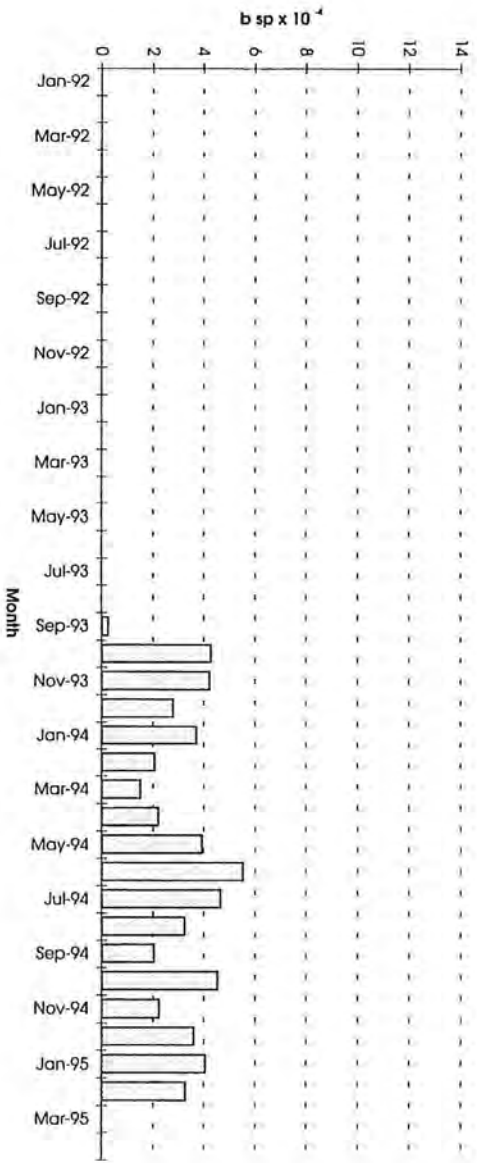


Highest hourly visibility values per month for each site in the Perth Metropolitan region
(cont'd)

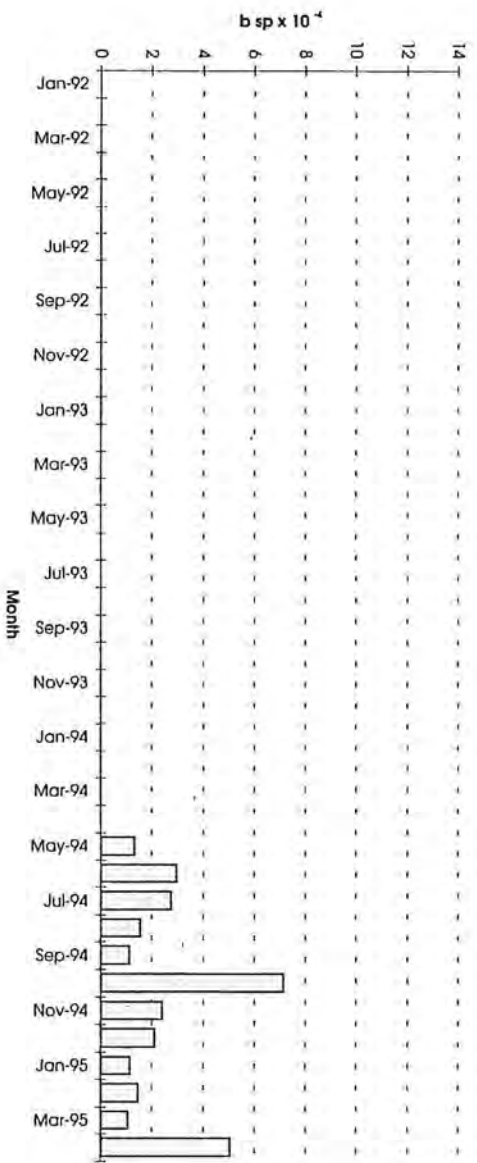
DUNCRAIG



KENWICK

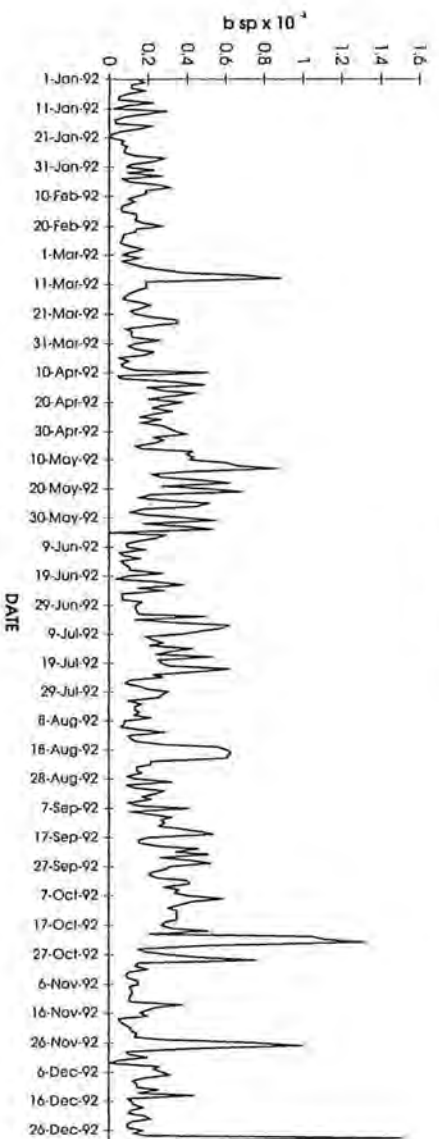


SWANBOURNE

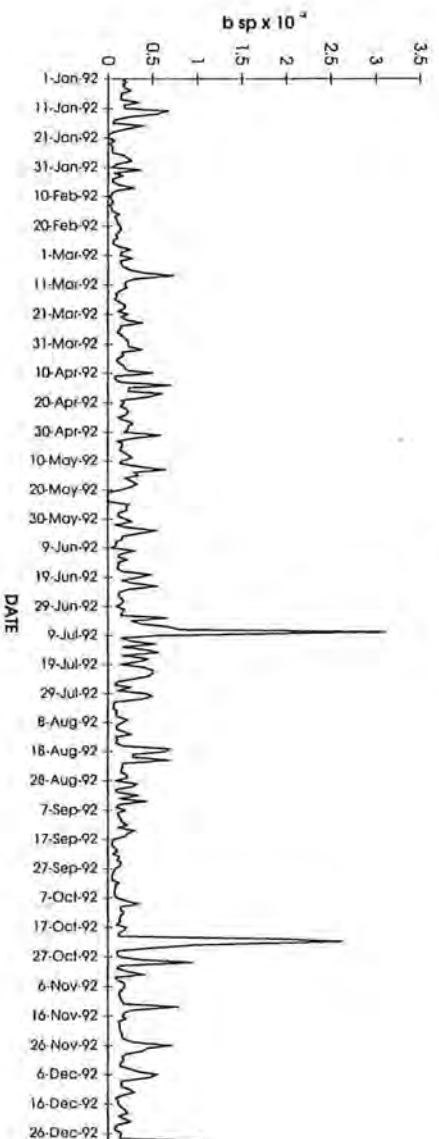


24 hour averaged visibility values for each site in the Perth Metropolitan region

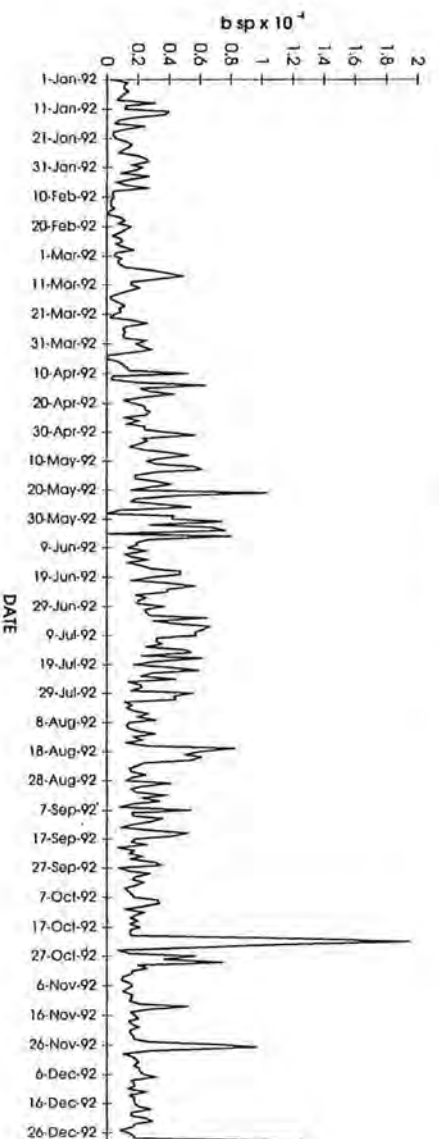
CAVERSHAM



HOPE VALLEY

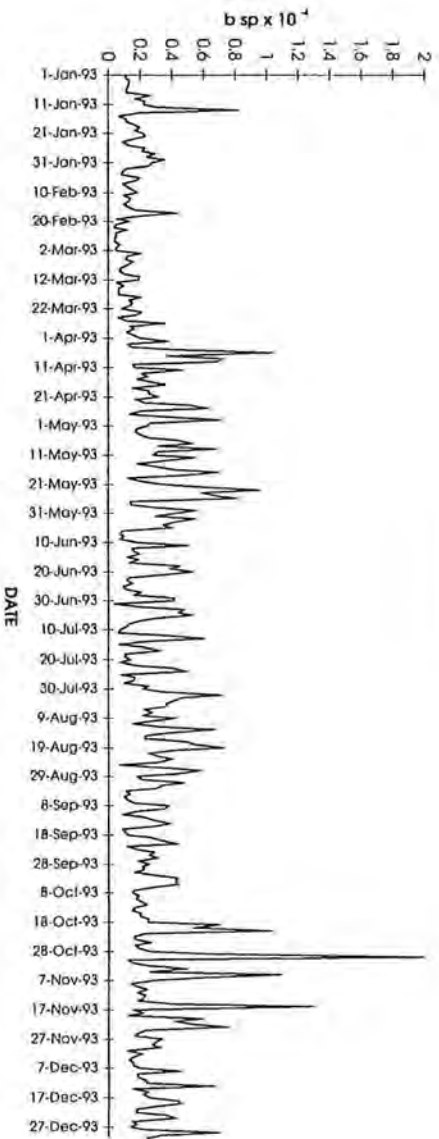


QUEENS BUILDINGS

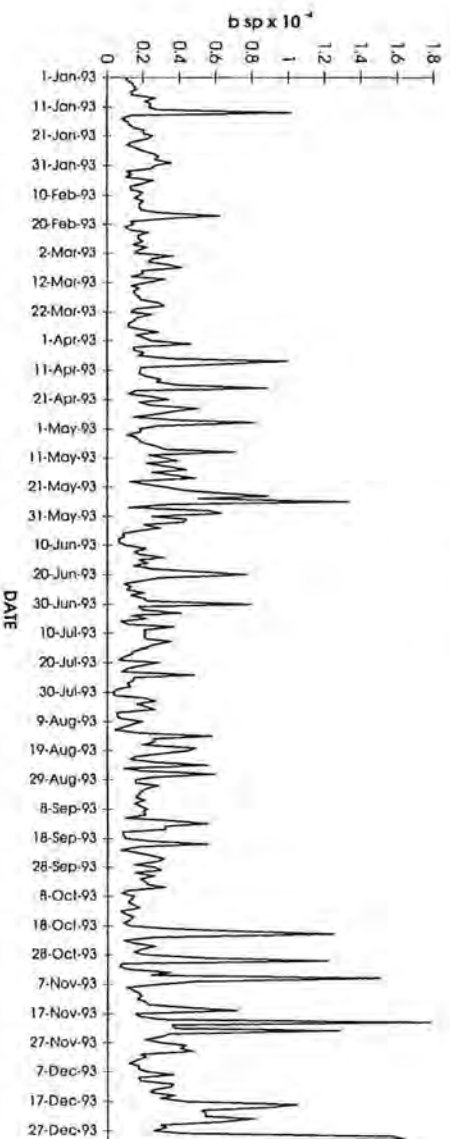


**24 hour averaged visibility values for each site in the Perth Metropolitan region
(cont'd)**

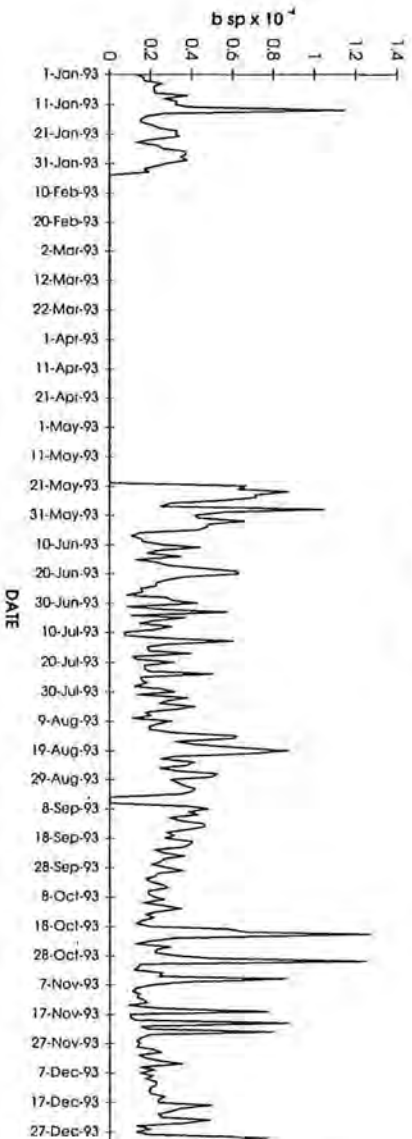
CAVERSHAM



HOPE VALLEY

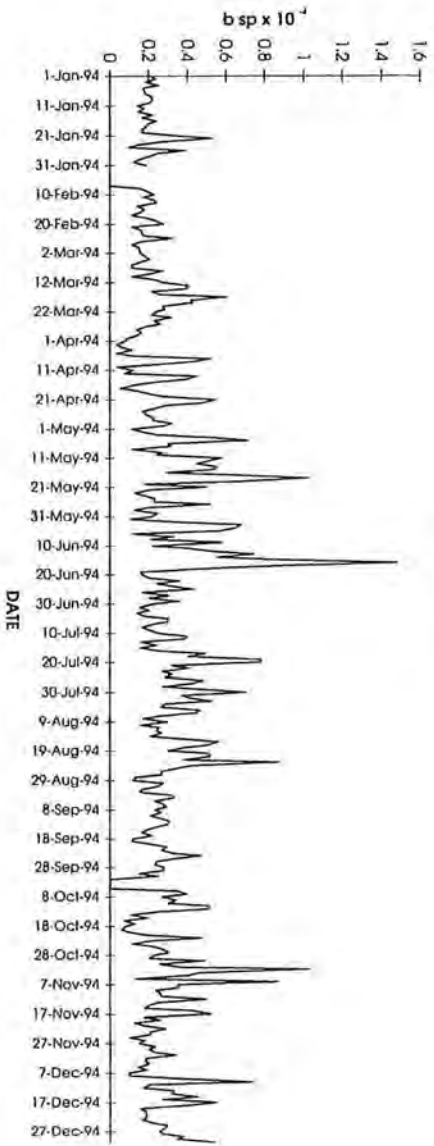


QUEENS BUILDINGS

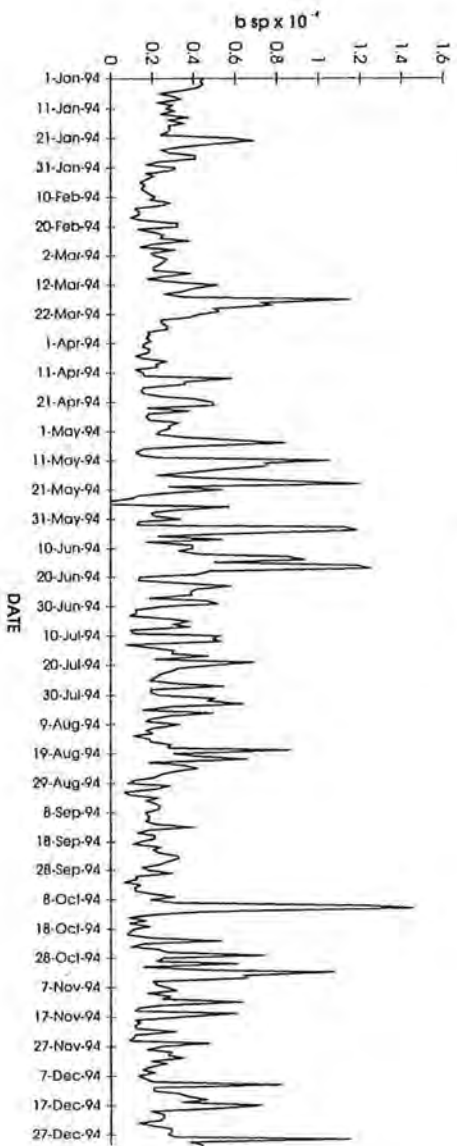


24 hour averaged visibility values for each site in the Perth Metropolitan region
(cont'd)

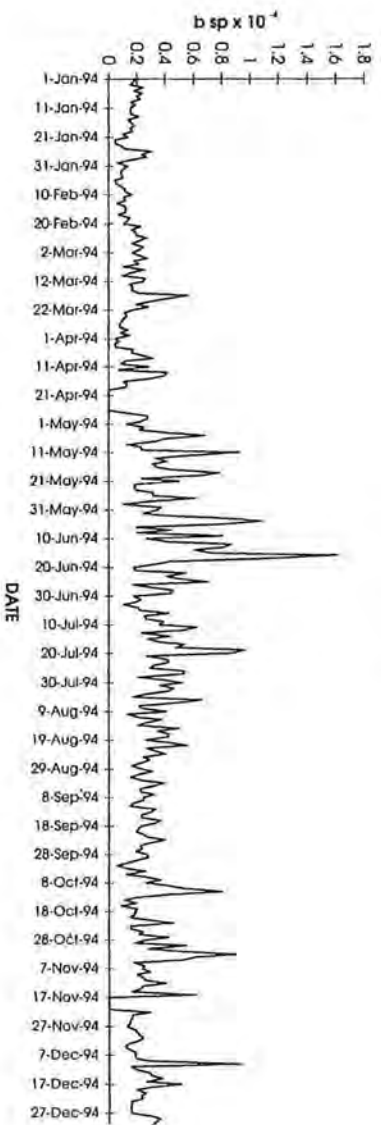
CAVERSHAM



HOPE VALLEY



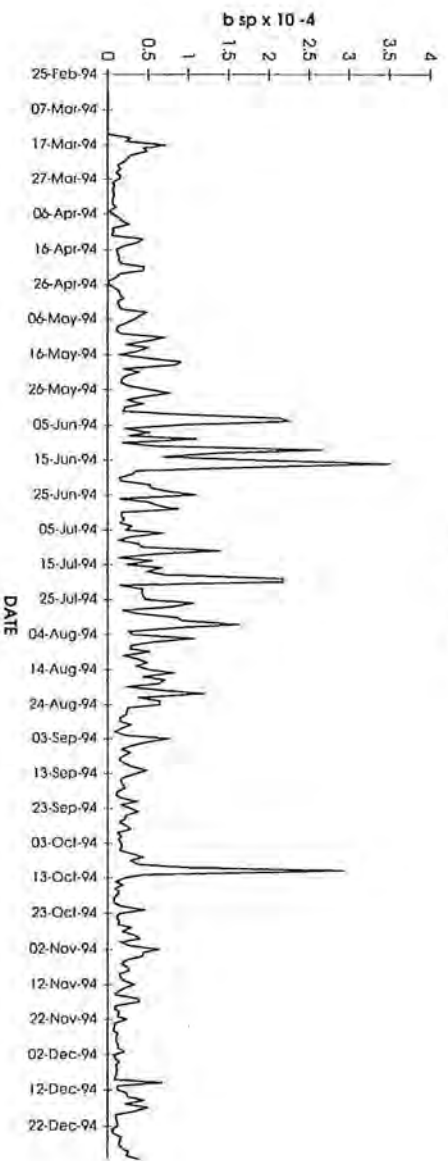
QUEENS BUILDINGS



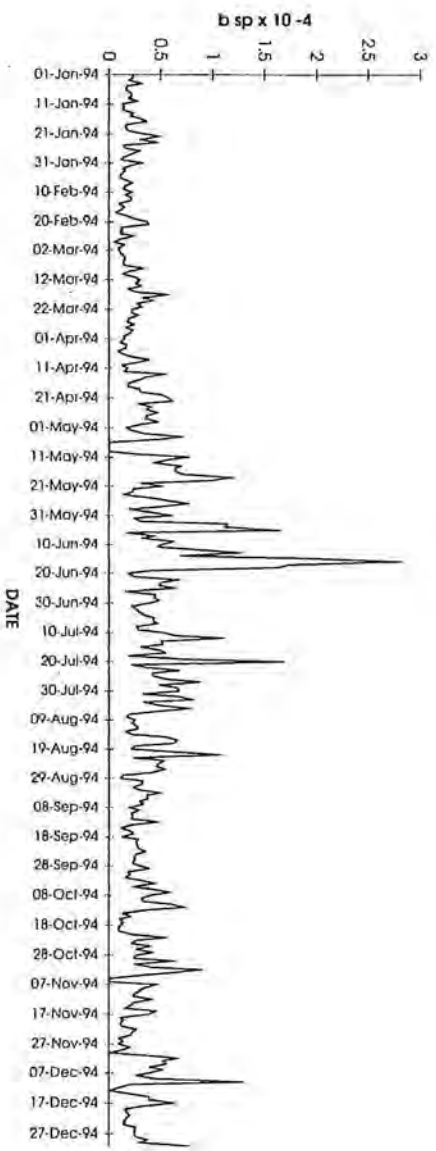
24 hour averaged visibility values for each site in the Perth Metropolitan region

(cont'd)

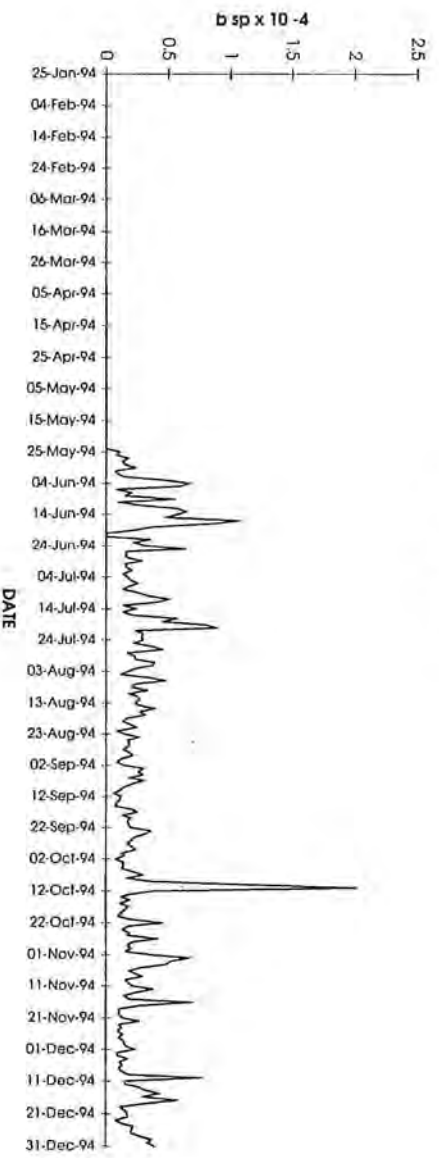
DUNCRAIG



KENWICK

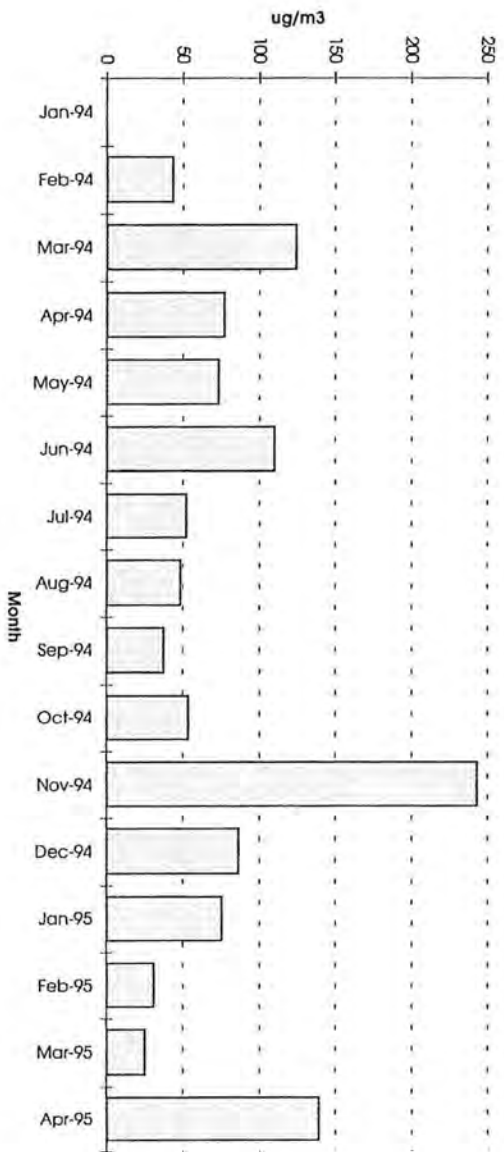


SWANBOURNE

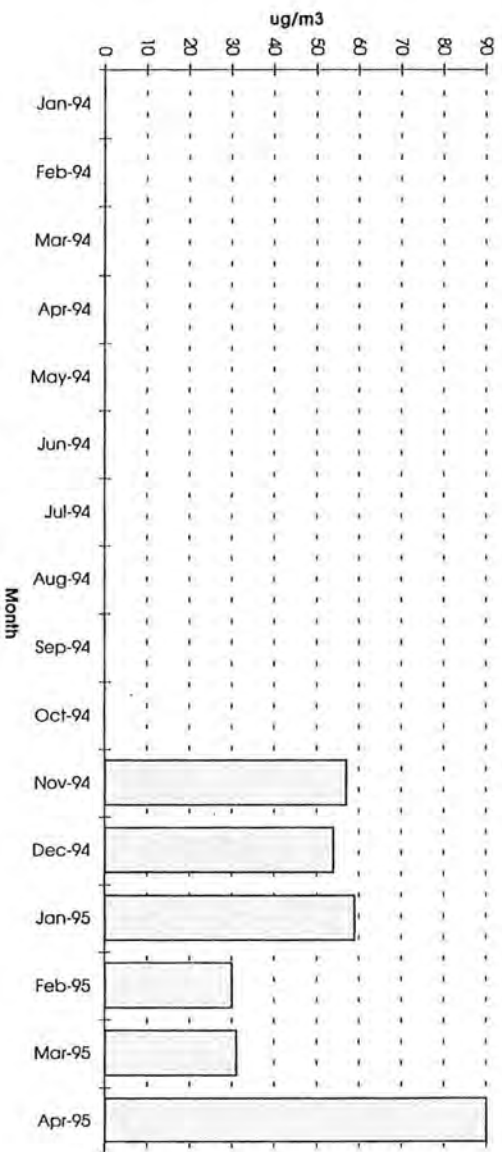


Highest hourly PM2.5 values per month for each site in the Perth Metropolitan region

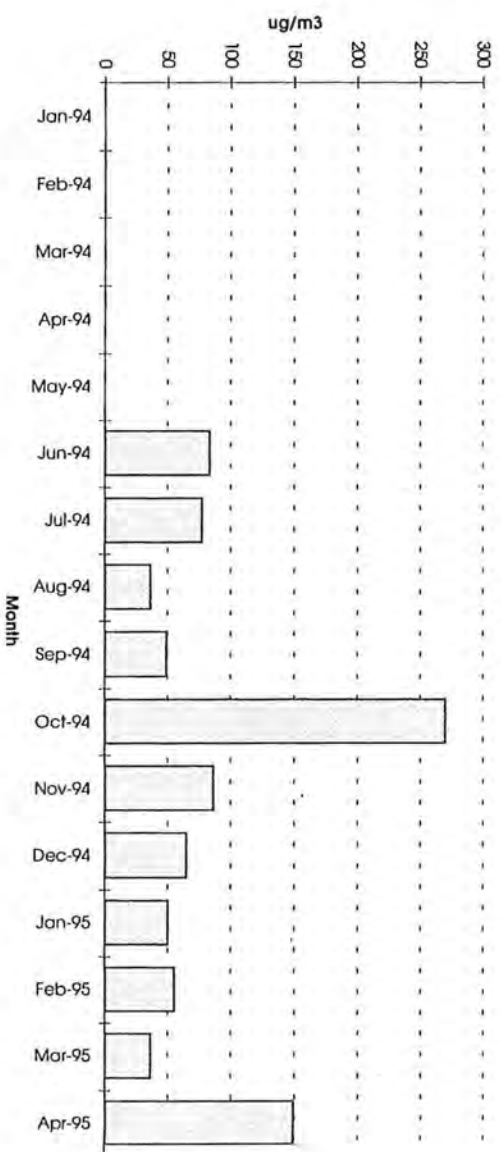
CAVERSHAM



DUNCRAIG



SWANBOURNE



F3 -
Monthly visibility
data

VISIBILITY - 1990

January 1990

MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.111	0.334	1.515	99.9	0	0
Hope Valley	0.115	0.563	6.793	75.9	0	4
Queens Buildings	0.310	0.474	1.812	69.0	0	0

February 1990

MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.141	0.685	2.780	99.8	0	2
Hope Valley	0.151	0.496	3.203	99.2	0	1
Queens Buildings	0.302	0.830	3.738	95.4	0	3

March 1990

MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.191	0.539	6.463	99.8	0	2
Hope Valley	0.303	2.579	4.068	99.8	1	22
Queens Buildings	0.274	0.476	1.117	99.8	0	0

April 1990

MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.148	0.335	2.653	99.8	0	1
Hope Valley	0.136	0.283	0.865	76.4	0	0
Queens Buildings	0.273	0.418	4.785	99.7	0	2

May 1990

MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.422	1.026	3.748	99.9	0	1
Hope Valley	0.321	0.725	2.643	88.6	0	1
Queens Buildings	0.483	1.559	2.867	79.8	0	2

June 1990

MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.487	1.195	3.552	99.9	0	6
Hope Valley	0.255	0.522	2.263	99.4	0	0
Queens Buildings	0.520	1.089	4.178	99.1	0	6

July 1990						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.388	1.263	3.217	99.8	0	7
Hope Valley	0.225	0.699	1.953	90.2	0	0
Queens Buildings	0.426	1.116	4.313	99.1	0	4

August 1990						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.237	0.568	1.517	99.8	0	0
Hope Valley	0.174	0.524	1.448	99.8	0	0
Queens Buildings	0.294	0.634	1.407	99.8	0	0

September 1990						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.297	0.754	3.927	99.7	0	4
Hope Valley	0.241	1.663	5.330	99.8	0	7
Queens Buildings	0.308	1.092	3.535	99.7	0	3

October 1990						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.238	0.896	3.178	99.9	0	6
Hope Valley	0.207	1.134	8.230	99.6	0	7
Queens Buildings	0.273	0.815	3.705	99.8	0	4

November 1990						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.333	1.407	8.100	99.8	0	9
Hope Valley	0.407	2.418	8.188	99.8	2	25
Queens Buildings	0.499	2.582	9.570	99.9	2	22

December 1990						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.276	1.241	6.922	99.8	0	8
Hope Valley	0.208	0.790	6.610	99.8	0	11
Queens Buildings	0.424	1.074	5.242	99.9	0	6

VISIBILITY - 1991

January 1991						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.212	0.629	2.735	99.8	0	3
Hope Valley	0.174	0.711	2.913	99.8	0	2
Queens Buildings	0.338	0.852	2.263	99.9	0	0

February 1991						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.250	0.549	2.825	99.8	0	1
Hope Valley	0.193	0.428	1.318	99.9	0	0
Queens Buildings	0.384	0.749	2.403	99.8	0	1

March 1991						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.186	0.621	2.273	99.8	0	0
Hope Valley	0.219	0.693	5.287	99.9	0	4
Queens Buildings	0.305	0.670	1.788	99.8	0	0

April 1991						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.308	0.793	7.393	99.2	0	2
Hope Valley	0.236	0.804	2.293	99.8	0	0
Queens Buildings	0.375	0.611	1.770	89.8	0	0

May 1991						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.348	0.844	3.093	97.2	0	7
Hope Valley	0.231	0.687	2.613	99.8	0	4
Queens Buildings	0.363	0.985	3.085	86.2	0	5

June 1991						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.233	0.560	1.880	95.9	0	0
Hope Valley	0.228	0.607	1.930	99.8	0	0
Queens Buildings	0.466	1.015	3.815	99.9	0	7

July 1991						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.297	0.766	1.863	97.7	0	0
Hope Valley	0.263	0.835	4.983	99.8	0	4
Queens Buildings	0.416	1.450	3.720	99.8	0	10

August 1991						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.211	0.665	1.498	98.3	0	0
Hope Valley	0.158	0.584	2.342	99.8	0	0
Queens Buildings	0.280	0.945	3.003	99.7	0	2

September 1991						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.258	0.448	2.212	99.8	0	0
Hope Valley	0.180	0.414	1.955	99.8	0	0
Queens Buildings	0.222	0.419	2.147	99.8	0	0

October 1991						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.336	0.942	3.893	99.8	0	9
Hope Valley	0.345	1.354	7.465	99.8	0	13
Queens Buildings	0.303	1.352	4.170	97.1	0	7

November 1991						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.174	0.472	2.105	99.8	0	0
Hope Valley	0.315	1.298	7.508	100.0	0	12
Queens Buildings	0.311	1.491	7.820	99.8	0	7

December 1991						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.314	1.272	6.338	99.7	0	12
Hope Valley	0.354	1.214	4.375	99.7	0	16
Queens Buildings	0.306	1.258	4.733	99.8	0	11

VISIBILITY - 1992

January 1992						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.114	0.296	2.452	99.8	0	1
Hope Valley	0.172	0.669	3.530	99.5	0	6
Queens Buildings	0.147	0.399	2.903	99.0	0	4

February 1992						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.143	0.315	1.882	99.8	0	0
Hope Valley	0.107	0.369	1.042	99.4	0	0
Queens Buildings	0.092	0.269	1.300	99.6	0	0

March 1992						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.210	0.885	2.653	99.8	0	3
Hope Valley	0.204	0.738	1.140	99.8	0	0
Queens Buildings	0.147	0.490	1.432	99.8	0	0

April 1992						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.229	0.499	2.375	99.7	0	1
Hope Valley	0.234	0.699	2.377	99.4	0	1
Queens Buildings	0.230	0.633	1.498	89.7	0	0

May 1992						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.378	0.869	2.917	99.8	0	6
Hope Valley	0.244	0.642	4.940	83.0	0	3
Queens Buildings	0.363	1.029	3.133	87.9	0	2

June 1992						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.160	0.530	1.503	92.1	0	0
Hope Valley	0.202	0.555	1.653	99.4	0	0
Queens Buildings	0.298	0.795	2.797	92.1	0	2

July 1992

MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.306	0.620	3.372	96.2	0	1
Hope Valley	0.452	3.111	8.988	99.5	1	19
Queens Buildings	0.390	0.663	3.298	99.8	0	4

August 1992

MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.225	0.625	1.730	99.8	0	0
Hope Valley	0.204	0.695	1.980	98.3	0	0
Queens Buildings	0.265	0.825	2.763	99.7	0	2

September 1992

MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.289	0.534	1.130	99.8	0	0
Hope Valley	0.135	0.427	1.275	99.1	0	0
Queens Buildings	0.237	0.543	1.687	99.8	0	0

October 1992

MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.424	1.315	2.717	96.9	0	7
Hope Valley	0.345	2.626	9.280	99.8	2	17
Queens Buildings	0.351	1.947	7.522	99.4	1	13

November 1992

MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.198	0.996	8.788	99.4	0	4
Hope Valley	0.229	0.797	3.668	99.5	0	5
Queens Buildings	0.224	0.968	5.598	99.8	0	4

December 1992

MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.218	1.504	6.525	91.8	0	8
Hope Valley	0.214	1.073	5.887	99.8	0	5
Queens Buildings	0.226	1.243	5.473	99.8	0	5

VISIBILITY - 1993

January 1993

MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.203	0.820	2.630	98.9	0	2
Hope Valley	0.217	1.011	3.097	98.9	0	5
Kenwick	-	-	-	-	-	-
Queens Buildings	0.290	1.147	3.698	99.8	0	5

February 1993

MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.125	0.434	1.098	99.9	0	0
Hope Valley	0.195	0.621	1.817	99.8	0	0
Kenwick	-	-	-	-	-	-
Queens Buildings	0.197	0.230	0.447	9.4	0	0

March 1993

MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.127	0.349	4.742	99.7	0	2
Hope Valley	0.209	0.411	3.410	99.8	0	1
Kenwick	-	-	-	-	-	-
Queens Buildings	-	-	-	-	-	-

April 1993

MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.345	1.038	6.222	99.4	0	8
Hope Valley	0.332	0.989	2.467	99.5	0	1
Kenwick	-	-	-	-	-	-
Queens Buildings	-	-	-	-	-	-

May 1993

MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.399	0.955	4.997	99.8	0	3
Hope Valley	0.377	1.323	6.703	99.8	0	10
Kenwick	-	-	-	-	-	-
Queens Buildings	0.605	1.042	4.127	33.7	0	5

June 1993						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.246	0.545	2.287	96.1	0	0
Hope Valley	0.242	0.794	2.332	99.8	0	0
Kenwick	-	-	-	-	-	-
Queens Buildings	0.310	0.658	2.443	99.7	0	1

July 1993						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.231	0.605	2.027	99.8	0	0
Hope Valley	0.180	0.481	1.978	99.8	0	0
Kenwick	-	-	-	-	-	-
Queens Buildings	0.233	0.601	2.165	99.8	0	0

August 1993						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.379	0.725	1.797	94.9	0	0
Hope Valley	0.233	0.594	2.455	99.6	0	1
Kenwick	-	-	-	-	-	-
Queens Buildings	0.370	0.869	2.172	99.7	0	0

September 1993						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.226	0.433	1.043	99.3	0	0
Hope Valley	0.223	0.555	1.900	99.4	0	0
Kenwick	0.031	0.088	0.248	94.4	0	0
Queens Buildings	0.341	0.480	1.005	86.1	0	0

October 1993						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.348	1.978	7.600	99.1	1	12
Hope Valley	0.264	1.246	7.360	99.8	0	16
Kenwick	0.303	1.030	4.270	99.5	0	6
Queens Buildings	0.321	1.268	5.945	99.1	0	10

November 1993						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.345	1.290	5.157	95.8	0	7
Hope Valley	0.410	1.774	5.380	99.7	1	22
Kenwick	0.328	1.221	4.220	78.2	0	4
Queens Buildings	0.260	0.872	4.082	98.1	0	6

December 1993						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.264	0.700	7.400	99.6	0	4
Hope Valley	0.459	1.634	13.240	99.8	0	11
Kenwick	0.262	0.696	2.783	80.7	0	2
Queens Buildings	0.269	0.765	3.813	99.6	0	2

VISIBILITY - 1994

January 1994						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.211	0.528	2.588	99.6	0	1
Duncraig	-	-	-	-	-	-
Hope Valley	0.340	0.688	2.623	99.5	0	1
Kenwick	0.230	0.492	3.688	97.9	0	3
Queens Buildings	0.164	0.305	3.147	99.4	0	1
Swanbourne	-	-	-	-	-	-

February 1994						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.167	0.320	0.617	76.6	0	0
Duncraig	-	-	-	-	-	-
Hope Valley	0.207	0.377	1.205	99.7	0	0
Kenwick	0.167	0.386	1.352	99.7	0	0
Queens Buildings	0.133	0.215	0.555	52.2	0	0
Swanbourne	-	-	-	-	-	-

March 1994						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.239	0.598	2.625	98.6	0	1
Duncraig	0.218	0.714	1.528	53.5	0	0
Hope Valley	0.352	1.146	2.947	99.2	0	2
Kenwick	0.228	0.578	1.517	98.7	0	0
Queens Buildings	0.181	0.502	1.300	91.1	0	0
Swanbourne	0.035	0.382	1.145	98.6	0	0

April 1994						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.223	0.542	2.973	98.8	0	2
Duncraig	0.151	0.447	1.707	100.0	0	0
Hope Valley	0.253	0.579	3.212	99.8	0	2
Kenwick	0.299	0.618	2.220	99.8	0	0
Queens Buildings	0.186	0.417	2.360	70.2	0	1
Swanbourne	-	-	-	-	-	-

May 1994						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.364	1.024	3.070	98.9	0	1
Duncraig	0.355	0.904	2.783	98.5	0	6
Hope Valley	0.437	1.192	5.948	88.3	0	12
Kenwick	0.515	1.201	3.932	81.7	0	10
Queens Buildings	0.369	0.926	2.652	99.6	0	2
Swanbourne	0.138	0.233	1.308	20.9	0	0

June 1994						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.428	1.479	3.311	99.4	0	4
Duncraig	0.914	3.506	9.463	99.8	6	85
Hope Valley	0.503	1.247	3.577	99.7	0	12
Kenwick	0.758	2.807	5.538	99.3	2	67
Queens Buildings	0.543	1.616	4.310	99.4	0	20
Swanbourne	0.377	1.072	2.942	91.6	0	5

July 1994						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.338	0.780	1.933	99.4	0	0
Duncraig	0.586	2.177	8.122	99.5	2	47
Hope Valley	0.304	0.688	1.637	99.4	0	0
Kenwick	0.514	1.674	4.660	99.6	0	4
Queens Buildings	0.392	0.966	3.350	99.5	0	5
Swanbourne	0.308	0.887	2.758	99.5	0	4

August 1994						
MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.329	0.871	2.230	95.3	0	0
Duncraig	0.501	1.617	6.862	99.3	0	29
Hope Valley	0.300	0.863	5.022	99.6	0	3
Kenwick	0.414	1.080	3.240	99.6	0	6
Queens Buildings	0.325	0.653	1.952	99.6	0	0
Swanbourne	0.229	0.474	1.528	99.5	0	0

September 1994

MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.246	0.467	1.540	99.5	0	0
Duncraig	0.246	0.756	2.388	94.7	0	1
Hope Valley	0.205	0.398	1.228	99.5	0	0
Kenwick	0.273	0.497	2.035	99.5	0	0
Queens Buildings	0.256	0.394	1.168	99.4	0	0
Swanbourne	0.188	0.358	1.120	99.0	0	0

October 1994

MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.253	0.508	2.562	83.2	0	1
Duncraig	0.325	2.921	11.300	97.9	1	13
Hope Valley	0.299	1.455	8.842	99.6	0	12
Kenwick	0.314	0.731	4.532	99.6	0	3
Queens Buildings	0.268	0.802	2.507	99.4	0	3
Swanbourne	0.285	2.010	7.150	99.5	1	10

November 1994

MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.309	1.026	8.353	99.5	0	4
Duncraig	0.206	0.632	2.203	99.5	0	0
Hope Valley	0.308	1.071	3.925	99.4	0	7
Kenwick	0.272	0.893	2.238	86.7	0	0
Queens Buildings	0.292	0.900	2.575	79.1	0	3
Swanbourne	0.239	0.699	2.408	97.9	0	3

December 1994

MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.281	0.733	2.853	99.6	0	2
Duncraig	0.192	0.662	1.747	99.6	0	0
Hope Valley	0.331	1.152	8.588	91.6	0	9
Kenwick	0.374	1.294	3.595	91.6	0	13
Queens Buildings	0.258	0.931	2.287	99.8	0	0
Swanbourne	0.235	0.767	2.100	99.5	0	0

VISIBILITY - 1995

January 1995

MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.229	0.229	1.992	99.6	0	0
Duncraig	0.133	0.133	0.508	93.5	0	0
Hope Valley	0.254	0.254	0.985	99.6	0	0
Kenwick	0.286	0.286	4.052	76.7	0	3
Queens Buildings	0.222	0.222	1.155	86.2	0	0
Swanbourne	0.206	0.206	1.132	76.4	0	0

February 1995

MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.201	0.358	1.398	74.6	0	0
Duncraig	0.109	0.270	0.875	99.8	0	0
Hope Valley	0.269	0.916	4.715	99.5	0	3
Kenwick	0.366	0.990	3.268	94.1	0	5
Queens Buildings	0.247	0.425	1.597	99.4	0	0
Swanbourne	0.153	0.342	1.470	99.6	0	0

March 1995

MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.205	0.460	0.850	99.4	0	0
Duncraig	0.091	0.326	0.762	99.6	0	0
Hope Valley	0.171	0.451	0.893	99.5	0	0
Kenwick	-	-	-	-	-	-
Queens Buildings	0.228	0.489	1.025	99.6	0	0
Swanbourne	0.165	0.504	1.063	99.7	0	0

April 1995

MONITORING SITE	MONTHLY AVERAGE (bsp)	MAXIMUM 24 HOUR AVERAGE (bsp)	MAXIMUM 1 HOUR AVERAGE (bsp)	DATA RECOVERY FOR MONTH (%)	24 HOUR PERIOD > 1.75 bsp	1 HOUR PERIOD > 2.35 bsp
Caversham	0.171	1.028	9.423	99.5	0	3
Duncraig	0.132	0.423	4.205	97.2	0	2
Hope Valley	0.199	0.762	8.305	99.4	0	3
Kenwick	-	-	-	-	-	-
Queens Buildings	0.239	0.600	2.790	99.6	0	2
Swanbourne	0.183	0.528	5.047	99.6	0	2