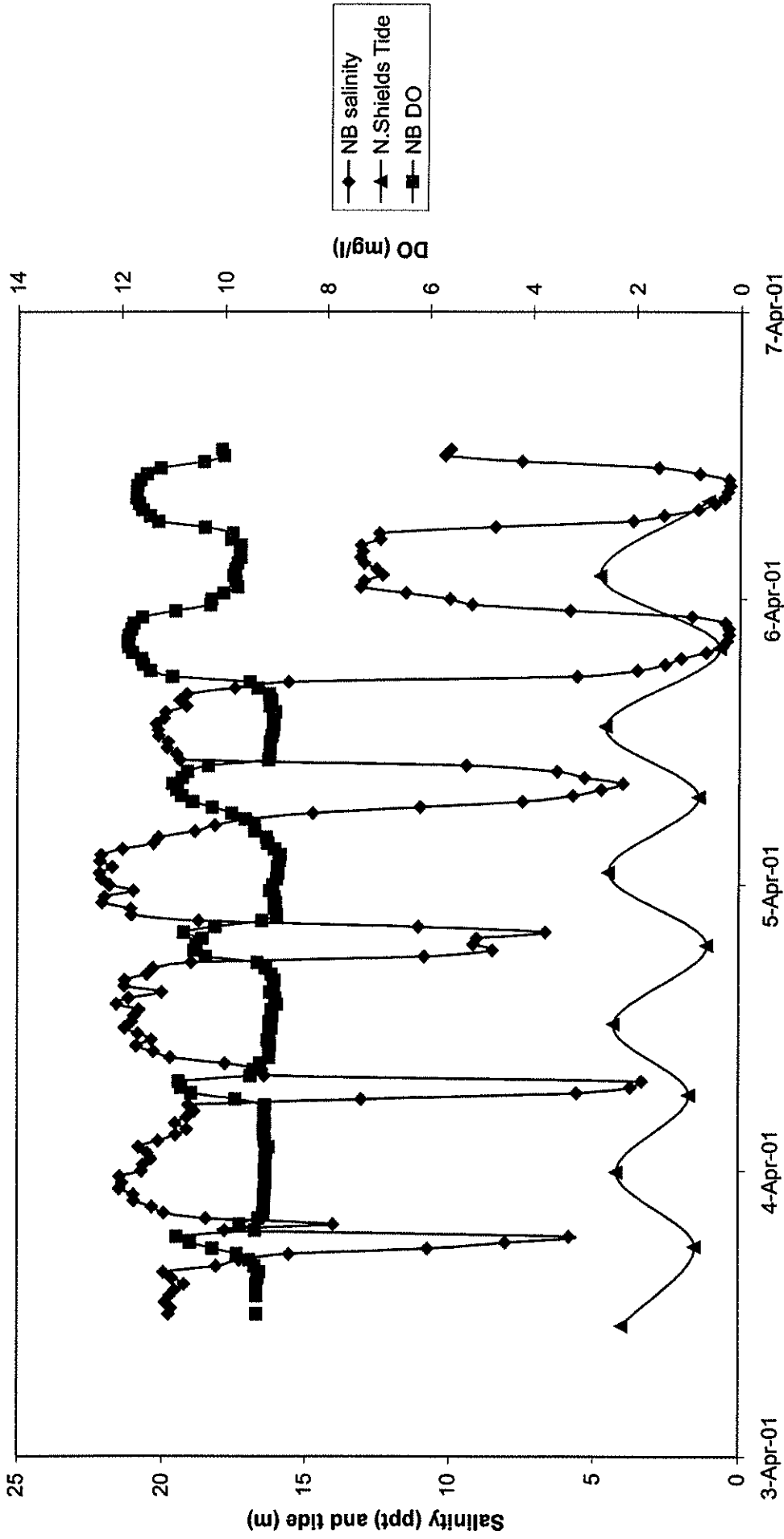


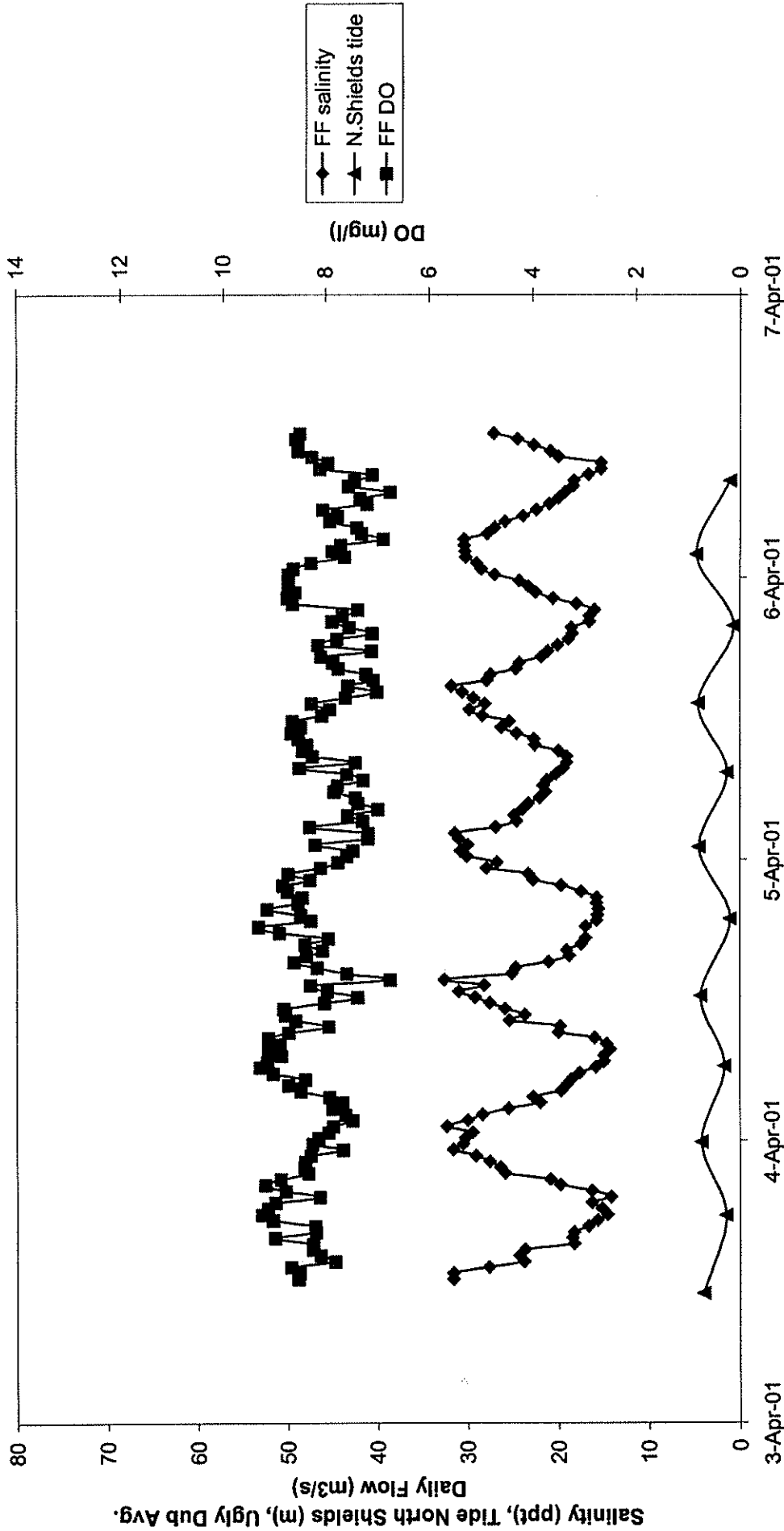
Newburn - variation of salinity, DO and tide at North Shields




CLIENT TYNE & WEAR PASSENGER TRANSPORT AUTHORITY	PROJECT NEW TYNE CROSSING ENVIRONMENTAL STATEMENT	TITLE Newburn - variation of salinity, DO and tide at North Shields	DATE	SCALE
			11/2001	NTS
			DRAWN	CHKD
			ACP	
POSFORD HASKONING FIGURE:				01



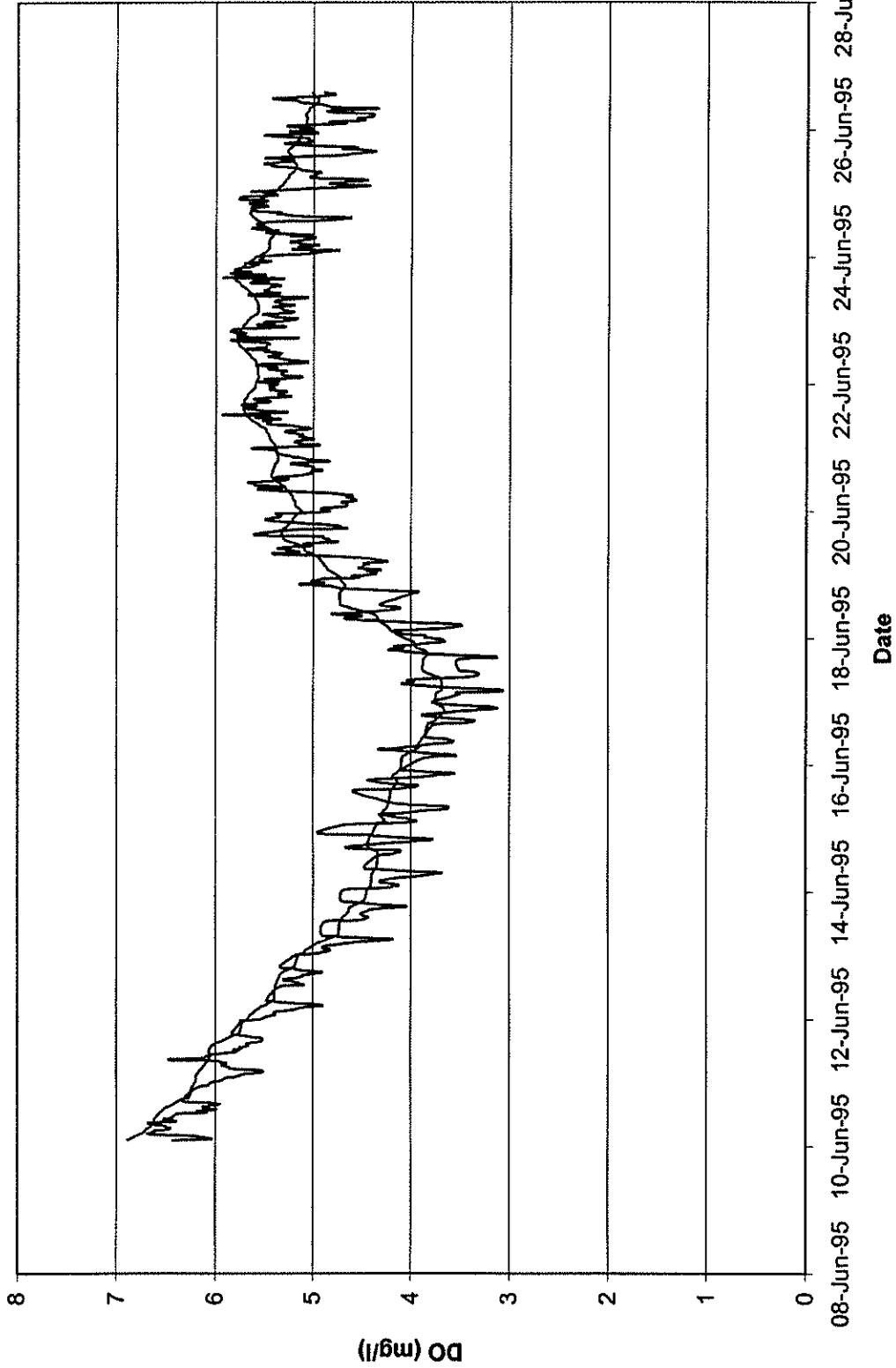
Fairfield - variation of salinity, DO and tidal level at North Shields




CLIENT TYNE & WEAR PASSENGER TRANSPORT AUTHORITY	PROJECT NEW TYNE CROSSING ENVIRONMENTAL STATEMENT	TITLE Fairfield - variation of salinity, DO and tide level at North Shields			DATE 11/2001	SCALE NTS
			DRAWN ACP	CHKD CHKD	POSFORD HASKONING FIGURE: 02	



Comparison of raw data and rolling average

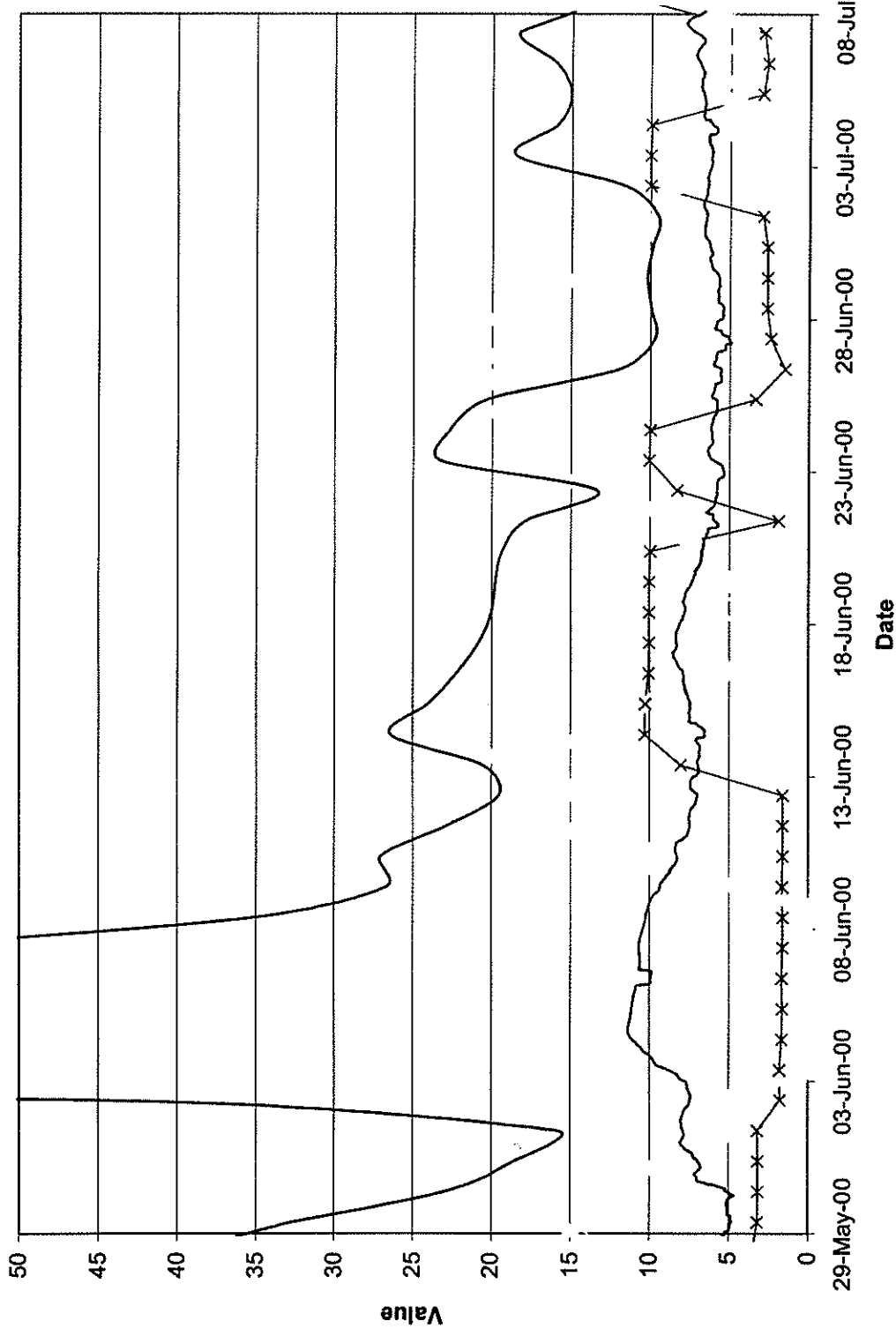


— Raw data
 — Rolling Average

CLIENT TYNE & WEAR PASSENGER TRANSPORT AUTHORITY	PROJECT NEW TYNE CROSSING ENVIRONMENTAL STATEMENT	TITLE Comparison of raw data and rolling average	<div style="text-align: center;">  ROYAL HASKONING </div> POSFORD HASKONING FIGURE: 03
DATE 11/2001		SCALE NTS	DRAWN ACP
		CHKD	



Newburn Dissolved Oxygen and River Flow - 2000

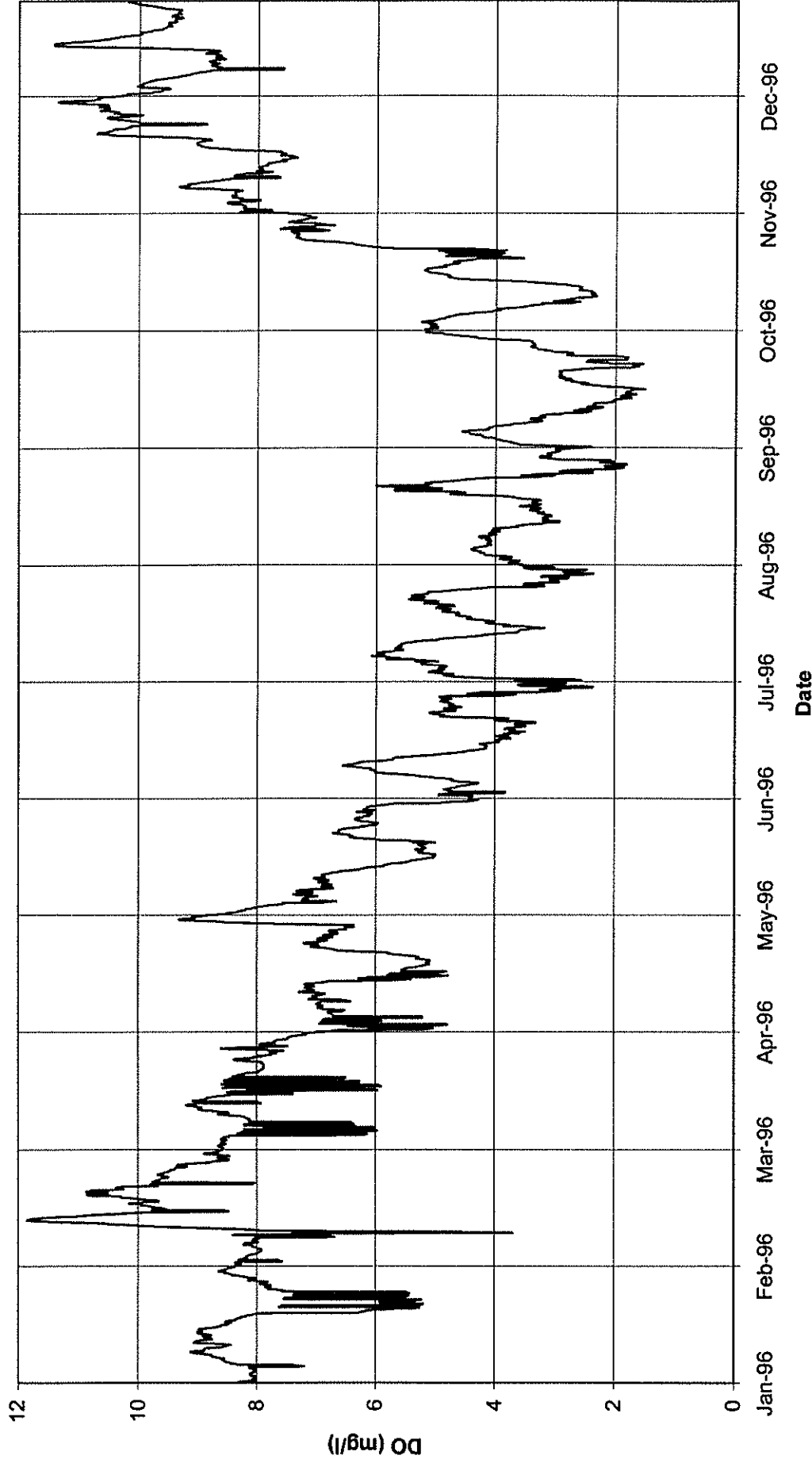



NB salinity (ppt)
 -x- Ugly Dub avg Daily flow (m3/s)
 — NB DO (mg/l)
 — Bywell avg daily flow (m3/s)

CLIENT TYNE & WEAR PASSENGER TRANSPORT AUTHORITY	PROJECT NEW TYNE CROSSING ENVIRONMENTAL STATEMENT	TITLE Newburn Dissolved Oxygen and River Flow - 2000			DATE 11/2001	SCALE NTS
			DRAWN ACP	CHKD	FIGURE: 04	



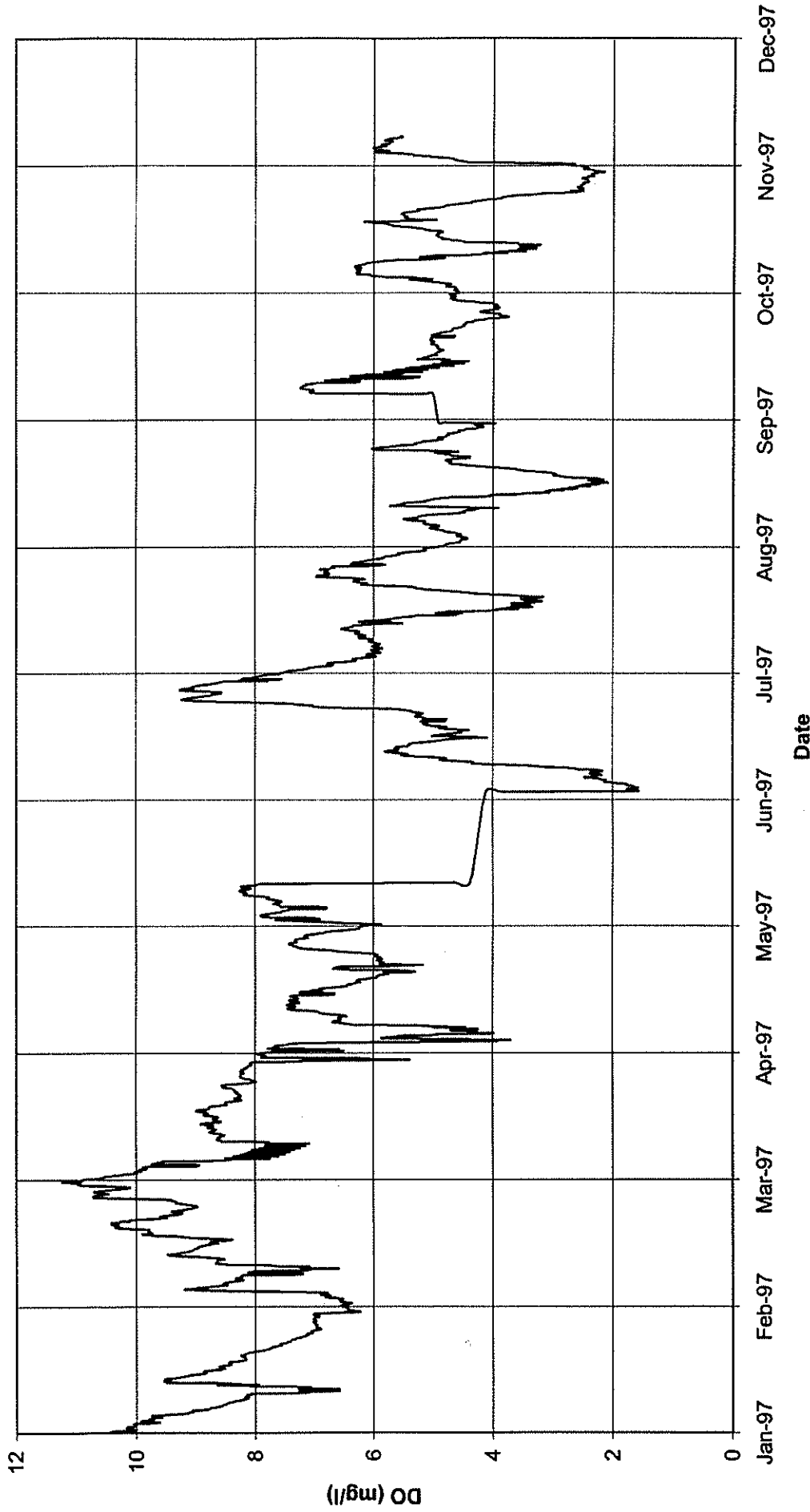
Fairfield Dissolved Oxygen - 1996




CLIENT TYNE & WEAR PASSENGER TRANSPORT AUTHORITY	PROJECT NEW TYNE CROSSING ENVIRONMENTAL STATEMENT	TITLE Fairfield Dissolved Oxygen - 1996	 ROYAL HASKONING		DATE 11/2001	SCALE NTS
				DRAWN ACP	CHKD CHKO	
			POSFORD HASKONING		FIGURE: 05	

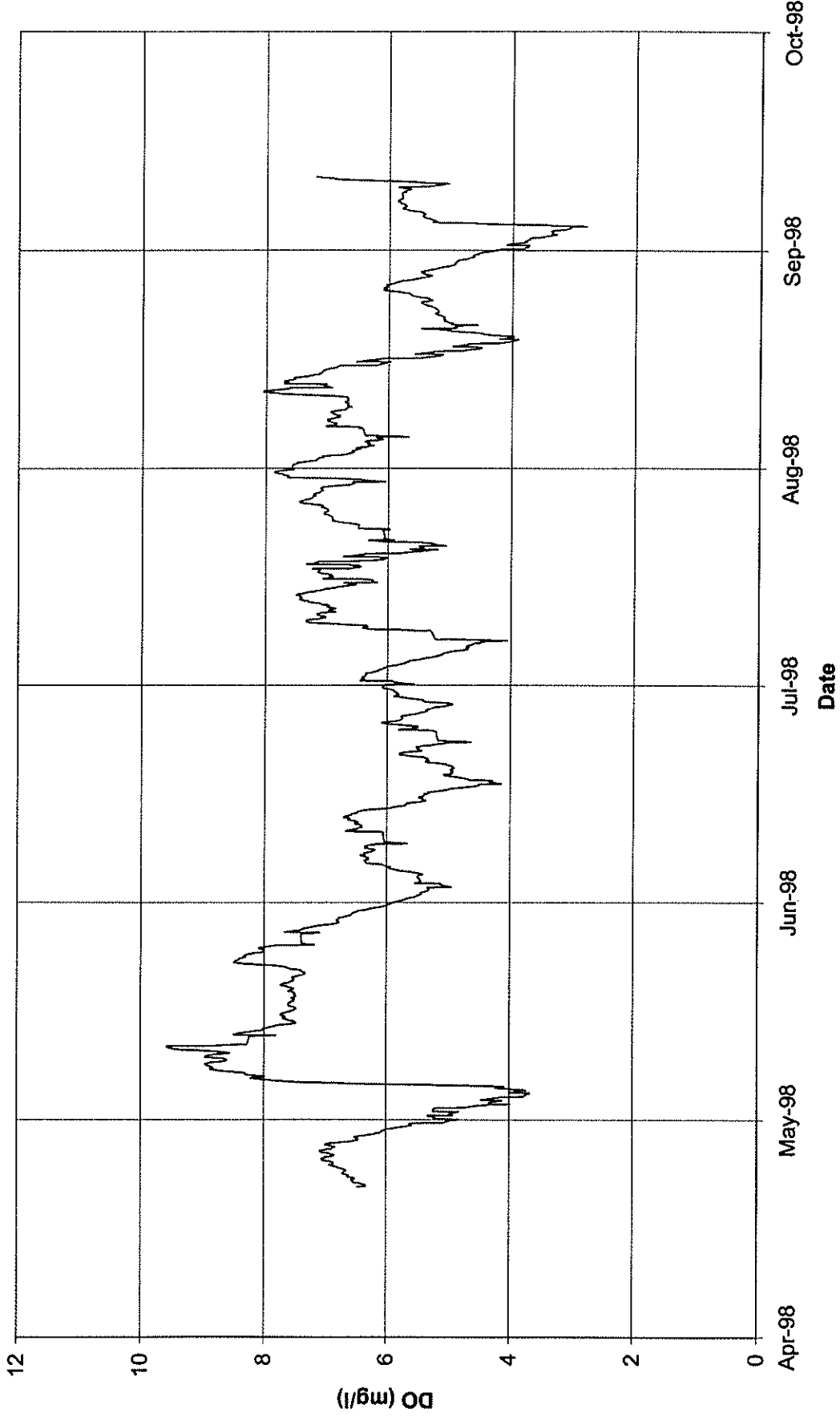


Fairfield Dissolved Oxygen - 1997



CLIENT TYNE & WEAR PASSENGER TRANSPORT AUTHORITY	PROJECT NEW TYNE CROSSING ENVIRONMENTAL STATEMENT	TITLE Fairfield Dissolved Oxygen - 1997	<div style="text-align: center;">  ROYAL HASKONING </div> DATE 11/2001 DRAWN ACP	SCALE NTS CHKD CHKD
POSFORD HASKONING			FIGURE: 06	

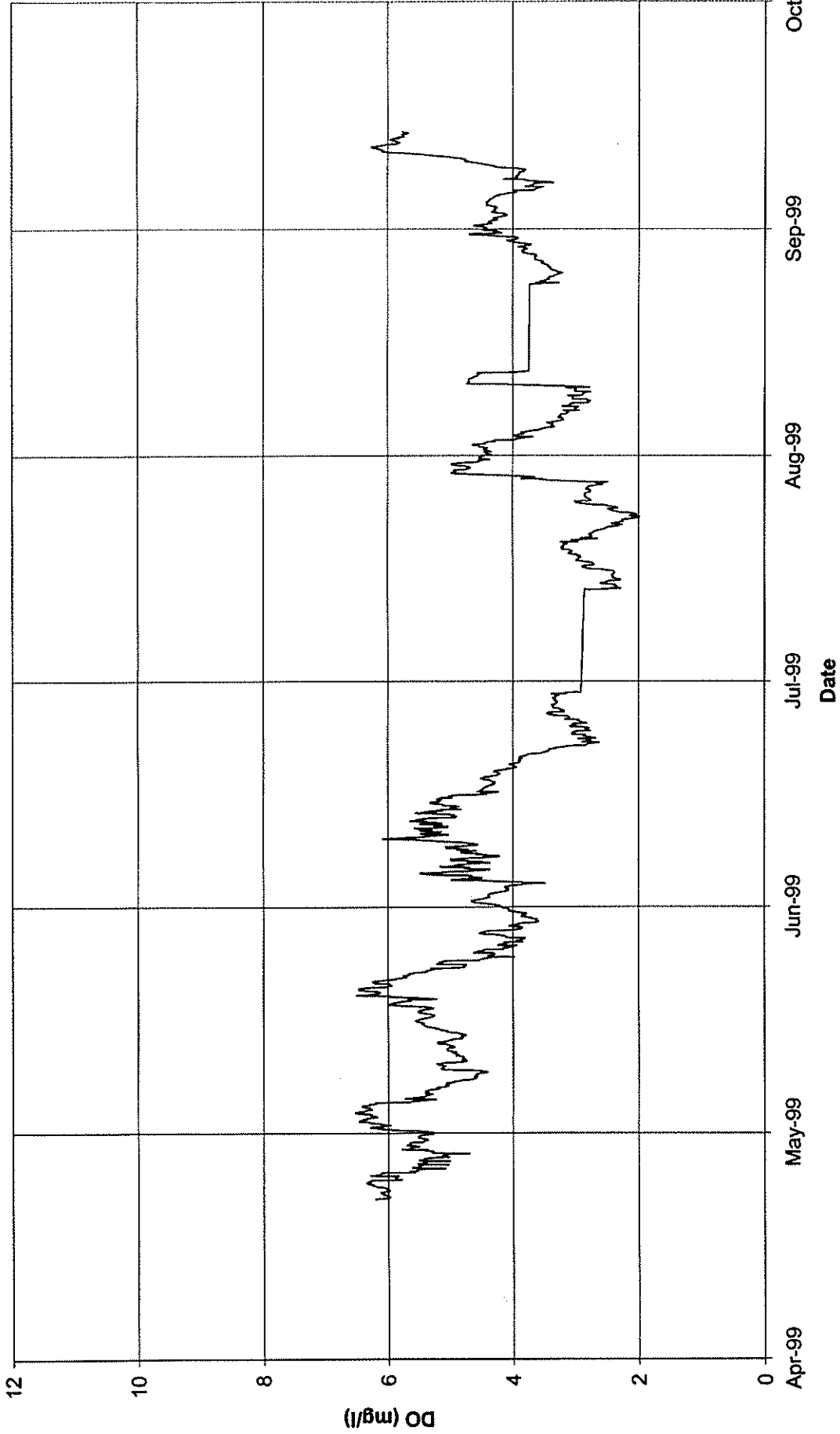
Fairfield Dissolved Oxygen - 1998




CLIENT TYNE & WEAR PASSENGER TRANSPORT AUTHORITY	PROJECT NEW TYNE CROSSING ENVIRONMENTAL STATEMENT	TITLE Fairfield Dissolved Oxygen - 1998	DATE 11/2001	SCALE NTS
ROYAL HASKONING			DRAWN ACP	CHKD
POSFORD HASKONING				FIGURE: 07



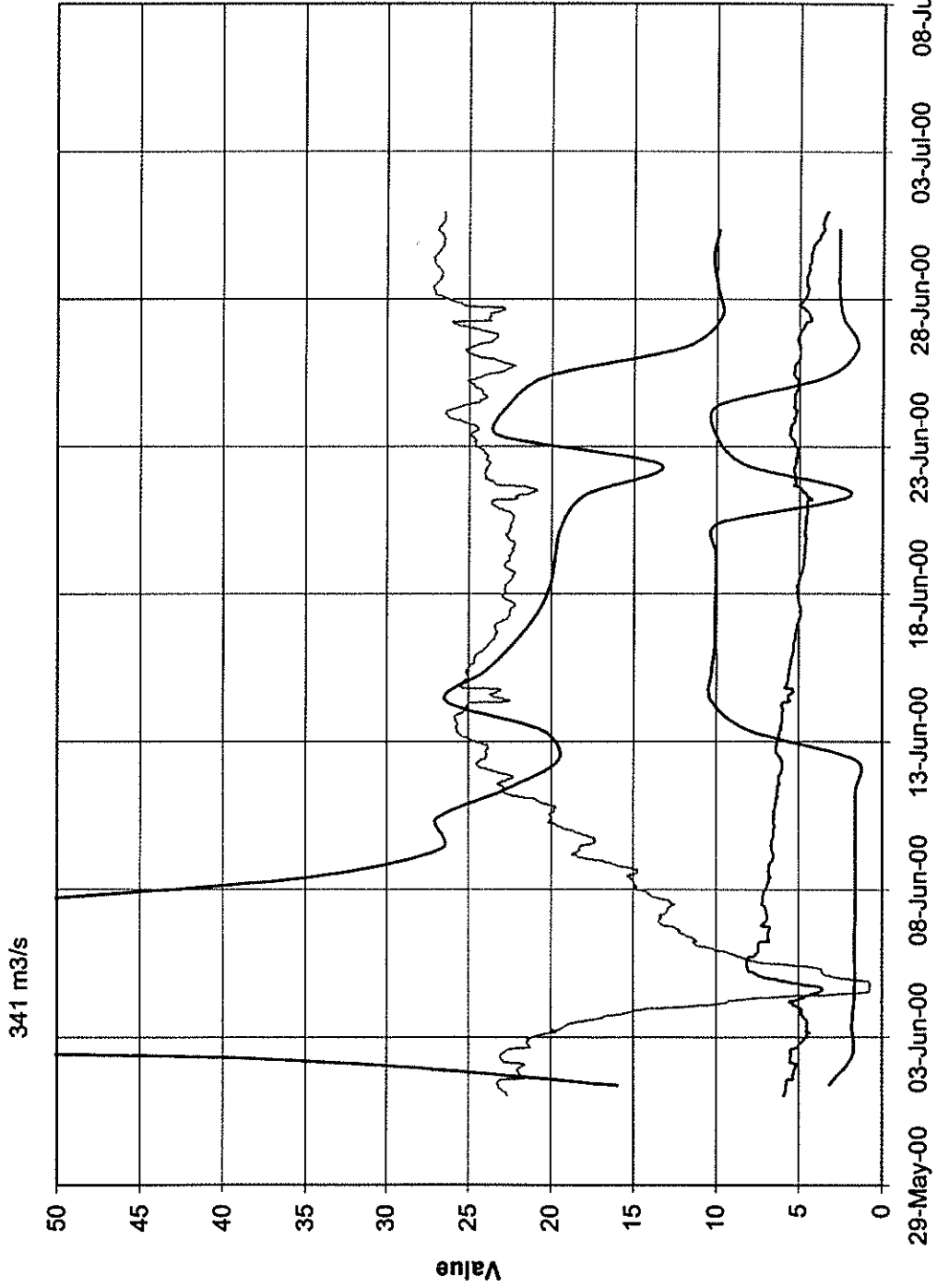
Fairfield Dissolved Oxygen - 1999



CLIENT TYNE & WEAR PASSENGER TRANSPORT AUTHORITY	PROJECT NEW TYNE CROSSING ENVIRONMENTAL STATEMENT	TITLE Fairfield Dissolved Oxygen - 1999	DATE 11/2001 DRAWN ACP
 ROYAL HASKONING		SCALE NTS CHRD	FIGURE: 08



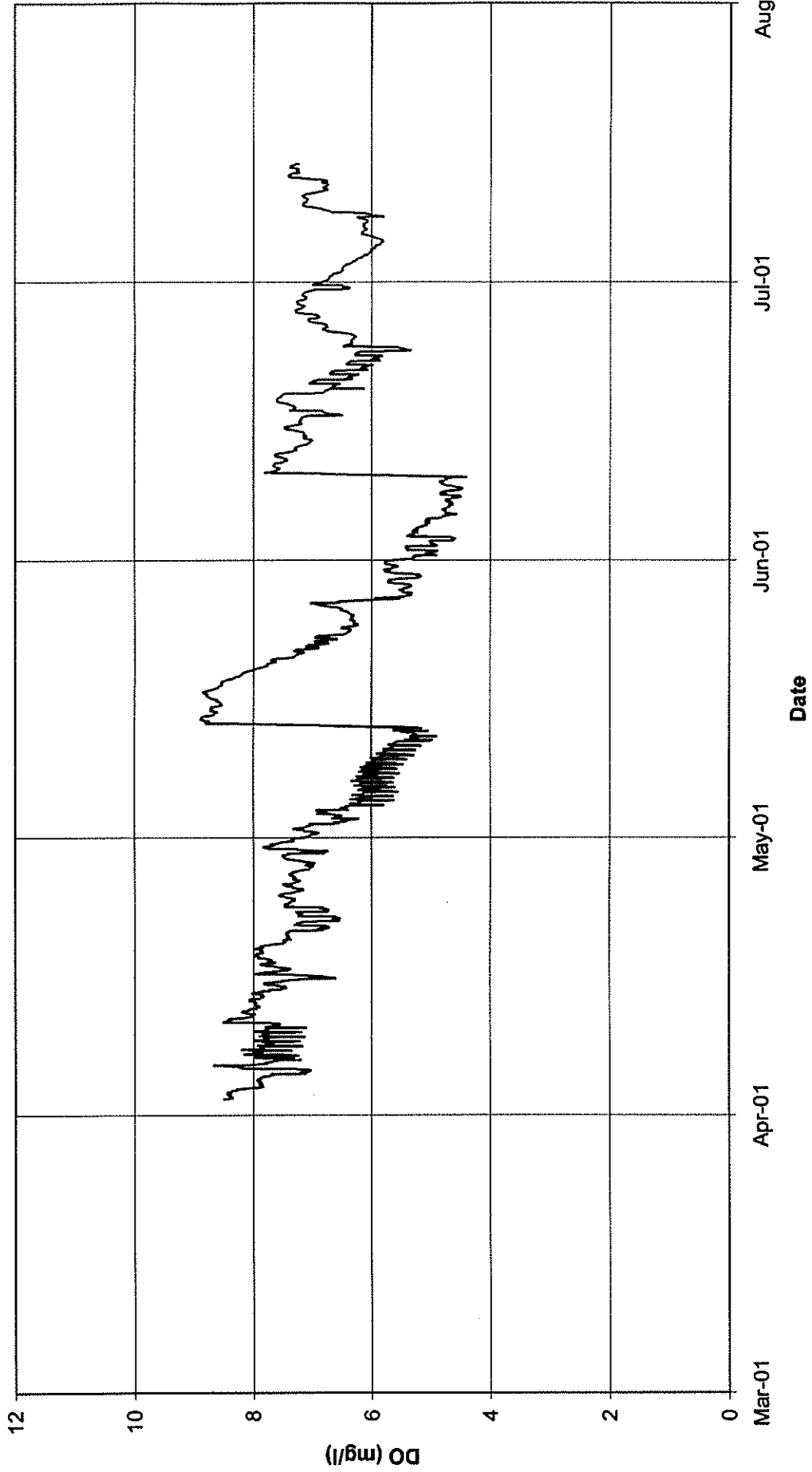
Fairfield - June 2000 all parameters




- DO rolling Avg (mg/l)
- - - Salinity rolling Avg (ppt)
- Ugly Dub avg daily flow (m3/s)
- Bywell avg daily flow (m3/s)

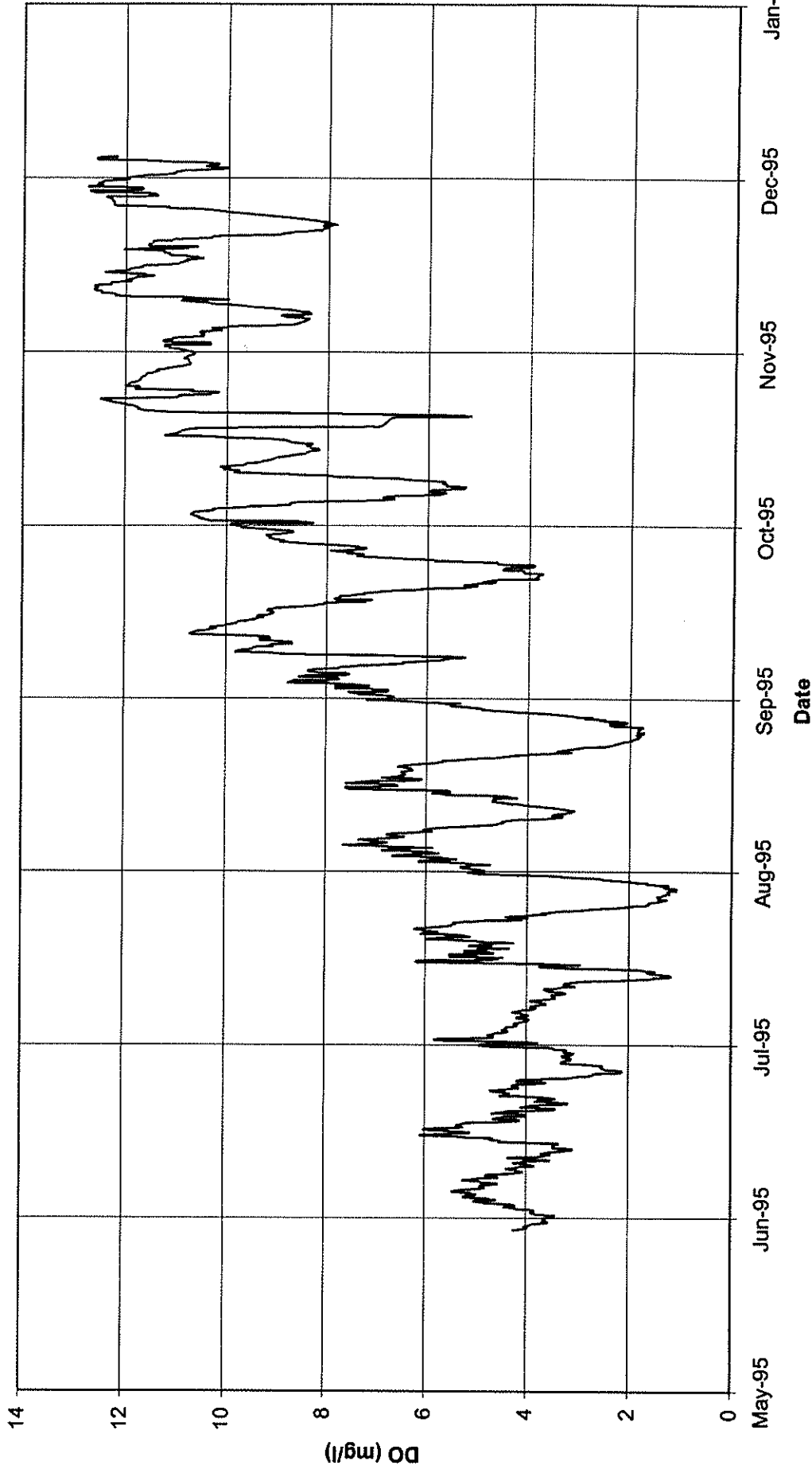
CLIENT TYNE & WEAR PASSENGER TRANSPORT AUTHORITY	PROJECT NEW TYNE CROSSING ENVIRONMENTAL STATEMENT	TITLE Fairfield - June 2000 all parameters		DATE 11/2001	SCALE NTS
			ROYAL HASKONING	DRAWN ACP	CHKD CHD
POSFORD HASKONING			FIGURE: 09		


Fairfield Dissolved Oxygen - 2001

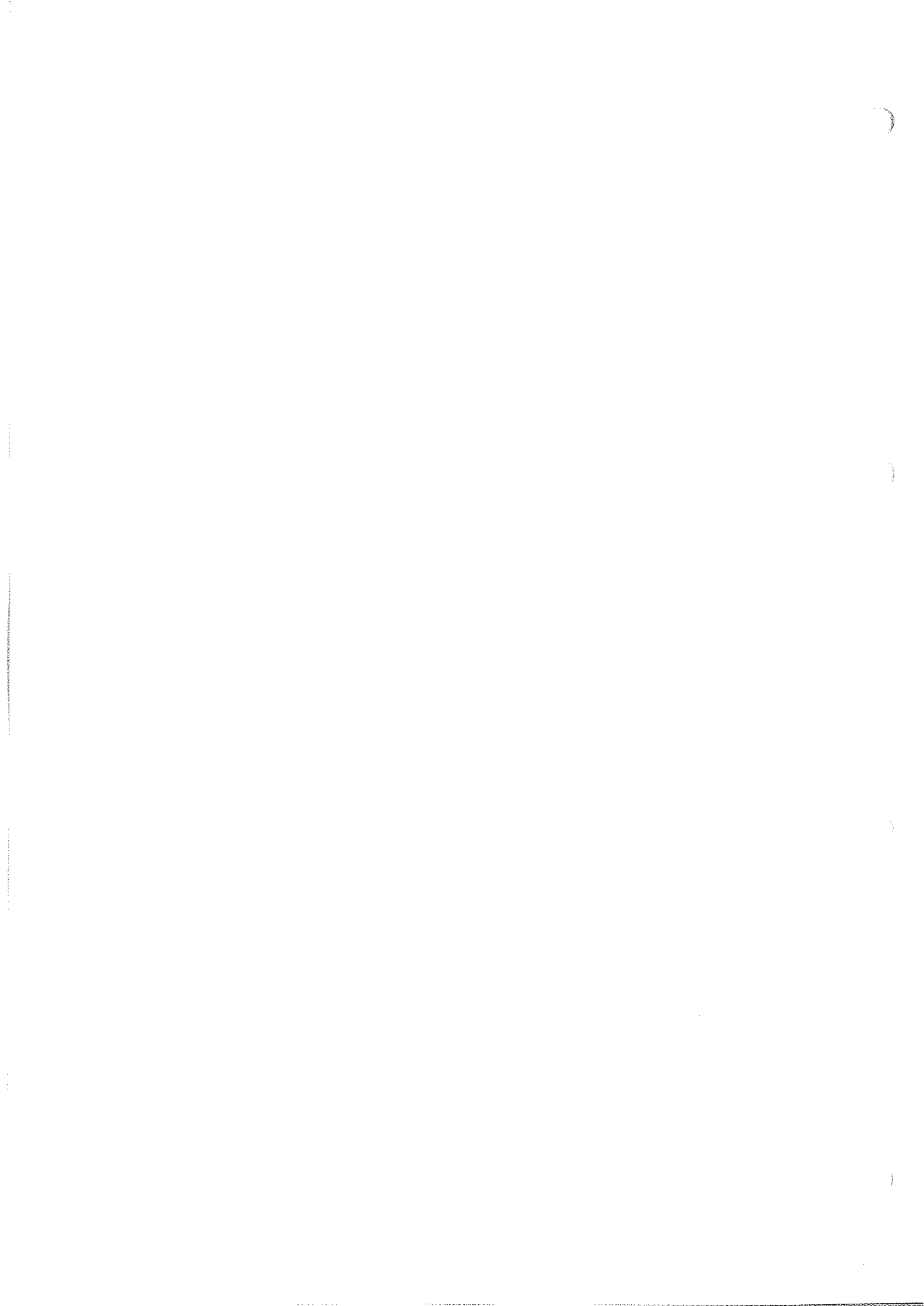


CLIENT TYNE & WEAR PASSENGER TRANSPORT AUTHORITY	PROJECT NEW TYNE CROSSING ENVIRONMENTAL STATEMENT	TITLE Fairfield Dissolved Oxygen - 2001	DATE 11/2001 DRAWN ACP
 ROYAL HASKONING		SCALE NTS CHRD	FIGURE: 10

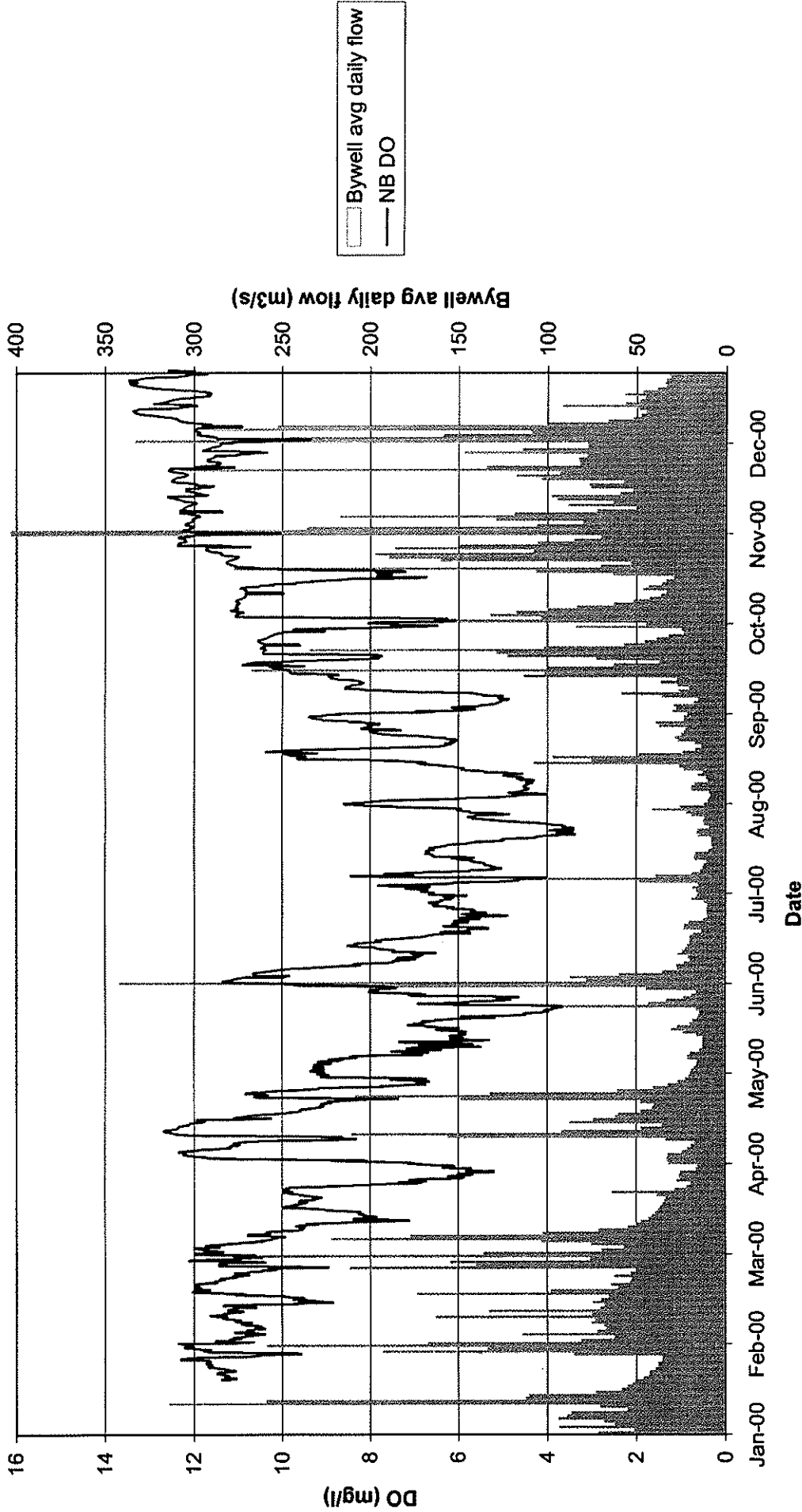
Newburn Dissolved Oxygen - 1995



CLIENT TYNE & WEAR PASSENGER TRANSPORT AUTHORITY	PROJECT NEW TYNE CROSSING ENVIRONMENTAL STATEMENT	TITLE Newburn Dissolved Oxygen - 1995	DATE 11/2001 DRAWN ACP SCALE NTS CHR/D
 ROYAL HASKONING		POSFORD HASKONING FIGURE: 11	



Newburn Dissolved Oxygen and River Flow - 2000



Bywell avg daily flow
 NB DO

CLIENT TYNE & WEAR PASSENGER TRANSPORT AUTHORITY	PROJECT NEW TYNE CROSSING ENVIRONMENTAL STATEMENT	TITLE Newburn Dissolved Oxygen and River Flow - 2000			DATE 11/2001	SCALE NTS
					DRAWN ACP	CHKD ACP
			POSFORD HASKONING		FIGURE: 12	

