



Silent Valley Waste Site

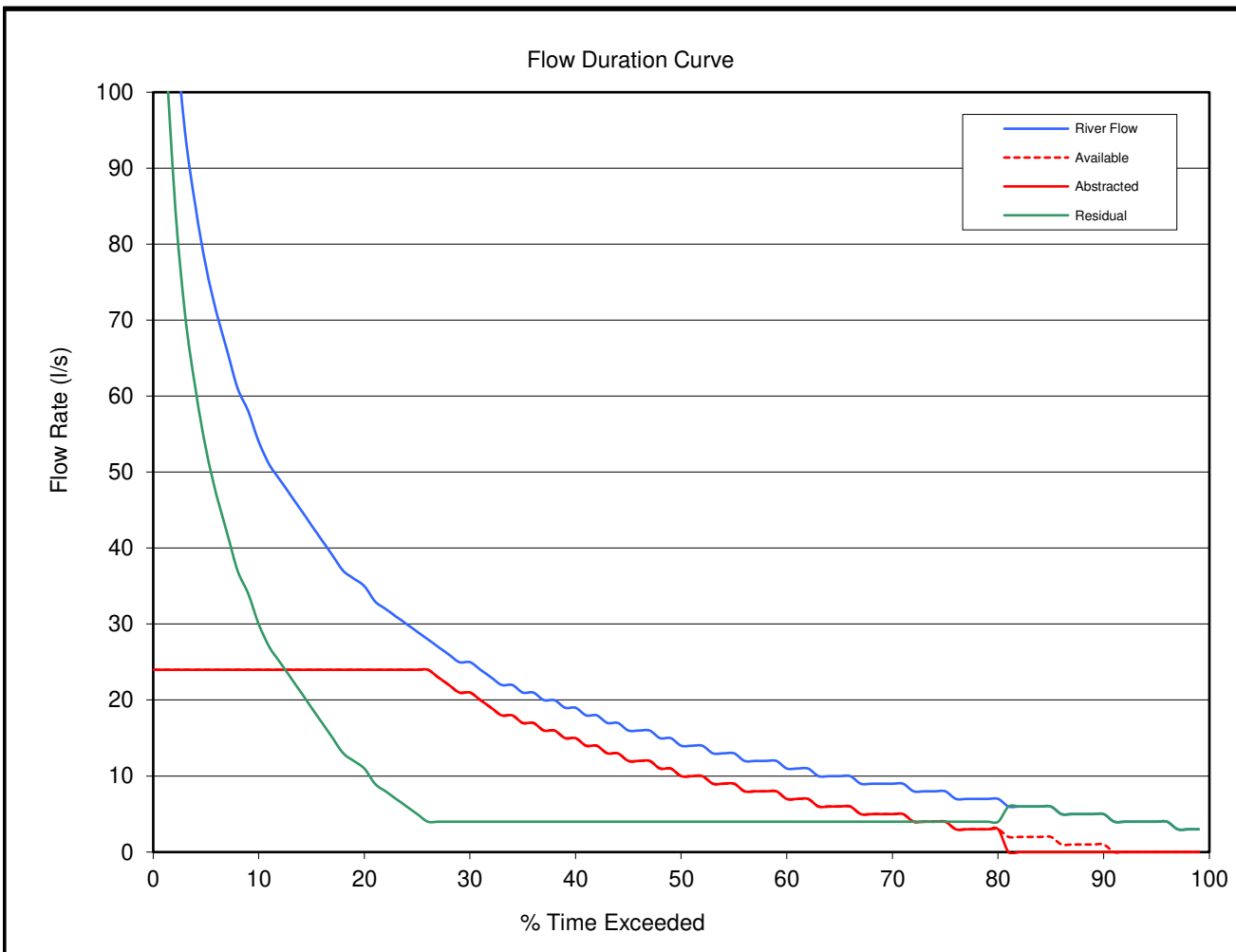


Hydrology & Abstraction

Intake Location	SO 188 068	Regulating body	NRW
Catchment area	0.690 km ²	Residual regime	Q95 + 0%
Rainfall	- mm	Hands-off flow	4 l/s
Run-off	1097 mm	Max Abstraction	24 l/s
ADF (Qmean)	24 l/s	equivalent to	1.00 x ADF
Ratio Q95:Qmean	0.17		

Notes: LowFlows calculations based on catchment drawn manually in CAD with outlet at SO 188 071 to include areas as shown on hydrology map (HD03136-MAP-44-B)

Flow Rates (l/s)	Natural	Available	Abstracted	Residual	% Take	
Q5	77	24	24	53	31%	
Q10	54	24	24	30	44%	
Q20	35	24	24	11	69%	
Q30	25	21	21	4	84%	
Q40	19	15	15	4	79%	
Q50	14	10	10	4	71%	
Q60	11	7	7	4	64%	
Q70	9	5	5	4	56%	
Q80	7	3	3	4	43%	
Q90	5	1	0	5	0%	
Q95	4	0	0	4	0%	



Hydrology data from LowFlows2, used under licence from Wallingford Hydro Solutions (www.hydrosolutions.co.uk)