

**Table 2.** The maximum water level, maximum discharge, maximum volume of the reservoir at different return periods for linear and nonlinear models

Return Period (Ts/a)	Maximum water level ( $H_{max}/m$ )		Maximum discharge ( $Q_{out,max}/(m^3/s)$ )		Maximum reservoir volume ( $V_{max}/10^8m^3$ )	
	Nonlinear	Linear	Nonlinear	Linear	Nonlinear	Linear
	model	model	model	model	model	model
10	4. 53	3. 86	2551. 91	3763. 13	22. 86	21. 55
50	6. 70	6. 18	4585. 34	6022. 19	35. 13	34. 49
100	7. 80	7. 43	5761. 66	7233. 86	41. 54	41. 43
200	9. 03	8. 85	7175. 06	8623. 39	48. 79	49. 39
500	10. 88	11. 07	9486. 47	10778. 60	59. 87	61. 73
1000	12. 47	13. 03	11643. 84	12688. 00	69. 58	72. 67