

## VAAL BARRAGE AND VAAL DAM DAILY FLOW INFORMATION

VAAL BARRAGE @ 07h00			23-Jan-10 Sat	24-Jan-10 Sun	25-Jan-10 Mon	26-Jan-10 Tue	27-Jan-10 Wed	28-Jan-10 Thu	29-Jan-10 Fri
Barrage level (m)			7.39	7.49	7.30	6.94	7.04	4.80	6.10
Flow (m <sup>3</sup> /s)			442.530	431.041	658.957	584.864	679.599	1710.050	1994.764
Average flow (day before m <sup>3</sup> /s)			443.499	379.877	592.661	642.137	619.729	1392.418	1692.845
Minimum flow (day before m <sup>3</sup> /s)			442.530	354.024	460.988	584.864	537.187	679.599	1585.000
Maximum flow (day before m <sup>3</sup> /s)			449.380	431.041	658.957	701.564	679.599	1720.160	1994.764
Rainfall (day before mm)			1.5	22.5	3.5	5.0	6.0	4.5	0.0
Evaporation (mm)			4.5	3.5	4.5	3.0	2.0	3.5	3.0
Conductivity (mS/ml)			34.9	29.0	29.5	26.2	29.3	24.4	21.9
Lethabo river level (m)			2.69	2.99	3.79	3.81	4.14	6.70	7.00
No. of gates open	Inches	Flow / gate (m <sup>3</sup> /s)	Temp (°C)	Date	Notes				
10	27"	442.530	20.9	23-Jan-10					
10	1X18" 9X27"	431.041	21.1	24-Jan-10					
9	1X100%	658.957	21.5	25-Jan-10					
8	1X100%	584.864	21.7	26-Jan-10					
10	1X100%	679.599	21.6	27-Jan-10					
All	100%	1710.050	20.9	28-Jan-10					
19	100%	1994.764	21.2	29-Jan-10					

VAAL DAM @ 06h00			23-Jan-10 Sat	24-Jan-10 Sun	25-Jan-10 Mon	26-Jan-10 Tue	27-Jan-10 Wed	28-Jan-10 Thu	29-Jan-10 Fri
Level (m)			22.395	22.610	22.715	22.800	22.920	23.220	23.295
Percentage (%)			98.46	101.12	102.44	103.51	105.03	108.89	109.87
Inflow (m <sup>3</sup> /s)			588.30	244.90	289.82	439.84	1208.62	2187.06	2766.10
Discharge (m <sup>3</sup> /s)			11.070	11.070	262.240	262.240	389.320	1043.100	2436.400
Number of river valves open & %			1X100% 1X25%	1X100% 1X25%	1X100% 1X25%	1X100% 1X25%	1X100% 1X25%	1X100% 1X25%	1X100% 1X25%
Number of gates open			0	0	2	2	3	8	14