

ANNUAL DISCHARGE RECORD

RIVER Deep River E11

YEAR 2005/2006	Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	1	0.801	0.559	0.573	3.050	4.930	4.420	1.280	0.647	0.785	2.620	1.530	0.752
2	0.782	0.549	0.798	3.100	4.600	4.210	1.320	0.646	0.804	2.500	1.600	0.735	
3	0.752	0.603	1.250	3.200	4.540	4.110	1.410	0.636	0.793	2.380	1.810	0.716	
4	0.733	0.573	1.000	3.150	11.500	3.910	1.310	0.706	0.737	2.260	1.650	0.694	
5	0.702	0.546	0.941	3.110	17.200	3.820	1.230	0.788	0.728	2.170	1.580	0.680	
6	0.687	0.563	1.120	3.050	20.200	3.720	1.160	0.719	0.805	2.380	1.580	0.666	
7	0.679	0.551	1.310	2.970	21.400	3.580	1.140	0.704	1.070	2.220	1.580	0.667	
8	0.722	0.540	1.390	2.880	17.900	3.300	1.150	0.693	1.110	2.050	1.580	0.686	
9	0.704	0.565	1.460	2.800	15.800	3.190	1.080	0.683	1.120	1.940	1.570	0.666	
10	0.658	0.568	1.800	2.650	13.500	2.940	1.010	0.677	1.160	1.870	1.500	0.663	
11	0.646	0.568	1.800	2.480	11.300	2.700	0.994	0.695	1.170	1.780	1.430	0.663	
12	0.646	0.563	1.740	2.270	9.370	2.480	0.944	0.739	1.170	1.690	1.360	0.701	
13	0.640	0.552	1.620	2.040	7.670	2.220	0.907	0.732	1.110	1.590	1.270	0.723	
14	0.621	0.592	1.530	1.820	6.110	2.020	0.844	0.750	1.060	1.500	1.230	0.758	
15	0.664	0.569	1.430	1.650	5.640	1.850	0.859	0.746	1.000	1.390	1.180	0.767	
16	0.656	0.563	1.320	1.540	5.340	1.680	0.813	0.739	0.990	1.310	1.120	0.728	
17	0.640	0.549	1.220	5.890	5.060	1.540	0.768	0.734	1.210	1.220	1.070	0.715	
18	0.626	0.555	1.120	18.600	4.800	1.480	0.729	0.728	1.340	1.140	1.020	0.701	
19	0.619	0.577	1.060	11.600	4.370	1.430	0.717	0.733	1.300	1.080	0.989	0.699	
20	0.607	0.579	1.000	11.700	4.180	1.320	0.691	0.734	1.550	1.010	0.962	0.693	
21	0.601	0.615	0.955	7.990	4.140	1.260	0.673	0.739	2.150	0.991	0.950	0.689	
22	0.599	0.648	0.927	6.580	3.960	1.290	0.673	0.739	2.360	1.010	0.925	0.677	
23	0.597	0.652	0.916	6.300	4.120	1.270	0.758	0.739	2.430	1.000	0.888	0.666	
24	0.564	0.638	5.990	7.940	1.300	0.739	0.739	2.490	1.010	0.871	0.685 *		
25	0.551	0.622	3.960	6.090	10.900	1.270	0.735	0.739	2.480	0.973	0.859	0.661	
26	0.539	0.613	2.650	5.740	7.980	1.510	0.707	0.739	2.540	1.310	0.831	0.640	
27	0.535	0.593	2.480	5.410	6.330	1.490	0.675	0.744	2.790	1.750	0.811	0.633	
28	0.526	0.600	2.660	5.110	5.360	1.320	0.652	0.739	2.750	1.480	0.783	0.631	
29	0.570	0.571	2.800	5.040	5.040	1.270	0.641	0.739	2.730	1.460	0.761	0.623	
30	0.564	0.552	2.820	4.840	4.840	1.260	0.661	0.752	2.740	1.490	0.758	0.627	
31		0.552	2.880	4.640	4.640		0.656		2.720	1.520		0.612	
Total (m³/sDays)	19.231	17.940	53.280	138.760	260.660	69.160	27.926	21.637	49.192	50.094	36.048	21.217	765.145
Volume (Mm³)	1.662	1.550	4.603	11.989	22.521	5.975	2.413	1.969	4.250	4.328	3.115	1.833	66.109
Mean (m³/s)	0.641	0.579	1.719	4.956	8.408	2.305	0.901	0.721	1.587	1.616	1.202	0.684	2.096
Max (m³/s)	0.801	0.652	4.750	18.600	21.400	4.420	1.410	0.788	2.790	2.620	1.810	0.767	21.400
Min (m³/s)	0.526	0.540	0.573	1.540	3.960	1.260	0.641	0.636	0.728	0.973	0.758	0.612	0.526
Abs Peak (m³/s)	0.814	0.666	9.100	34.200	27.300	4.510	1.460	0.859	2.900	2.680	1.940	0.781	34.200

YEAR 2006 / 07	Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	1	0.607	0.660	0.423	4.450	10.200	2.060	1.520	2.170	1.180	1.490	0.758	0.704
2	0.609	0.640	0.423	4.450	9.040	1.880	1.520	2.110	1.130	1.470	0.735	0.697	
3	0.607	0.616	0.453	4.450	8.510	1.740	1.530	2.140	1.080	1.430	0.729	0.691	
4	0.584	0.595	0.474	4.450	9.620	1.670	1.500	2.060	1.040	1.340	0.767	0.673	
5	0.575	0.577	0.438	4.450	11.100	1.520	1.460	2.080	1.060	1.270	0.861	0.669	
6	0.568	0.580	0.432	4.410	9.060	1.440	1.410	2.160	1.020	1.200	0.946	0.662	
7	0.568	0.558	0.432	4.160	7.980	1.410	1.380	2.190	0.990	1.110	0.960	0.661	
8	0.568	0.539	0.432	4.010	7.280	1.370	1.300	2.040	0.989	1.020	0.912	0.666	
9	0.575	0.535	0.432	4.280	6.830	1.320	1.270	2.040	0.923	0.991	0.864	0.666	
10	0.582	0.526	0.448	4.270	6.420	1.270	1.140	4.960	0.866	0.976	0.831	0.666	
11	0.597	0.516	0.527	4.090	6.160	1.220	1.090	3.770	0.850	0.958	0.782	0.667	
12	0.607	0.524	0.503	4.130	5.970	1.090	1.030	3.280	1.160	0.990	0.743	0.653	
13	0.597	0.527	0.494	3.830	5.640	1.020	1.000	3.080	1.470	0.992	0.775	0.646	
14	0.578	0.512	0.509	3.590	5.240	0.991	0.984	2.990	1.440	1.000	0.868	0.639	
15	0.564	0.517	0.573	3.460	4.870	0.910	0.980	2.910	1.440	1.020	0.777	0.632	
16	0.576	0.507	0.580	3.450	4.540	0.896	1.220	2.920	1.520	1.080	0.742	0.657	
17	0.667	0.494	0.609	3.580	4.400	0.901	1.800	2.900	1.650	1.150	0.735	0.747	
18	0.646	0.494	0.639	4.450	4.200	0.881	1.640	2.890	1.690	1.200	0.761	0.843	
19	0.632	0.494	0.724	3.920	4.050	0.876	1.680	2.870	1.710	1.200	0.839	0.946	
20	0.601	0.494	0.940	3.690	3.960	0.904	2.050	2.810	1.660	1.160	0.782	1.050	
21	0.587	0.498	1.330	4.060	3.810	0.970	2.130	2.620	1.560	1.120	0.794	1.150	
22	0.671	0.499	1.940	5.500	3.710	1.040	2.260	2.390	1.460	1.080	0.771	1.270	
23	0.811	0.487	2.900	4.130	3.780	1.150	2.280	2.130	1.390	1.010	0.747	1.390	
24	0.904	0.476	3.460	4.240	3.520	1.350	2.310	1.890	1.290	0.973	0.765	1.460	
25	0.902	0.473	3.020	5.690	3.350	1.460	2.380	1.710	1.220	0.932	0.759	1.540	
26	0.866	0.467	3.950 *	10.900	3.180	1.460	2.360	1.570	1.240	0.892	0.739	1.630	
27	0.831	0.447	6.090 *	13.200	2.990	1.560	2.340	1.470	1.290	0.862	0.727	1.690	
28	0.770	0.427	5.210	11.800	2.760	1.580	2.530	1.380	1.270	0.827	0.707	1.770	
29	0.699	0.423	4.720	2.580	1.520	2.650	1.310	1.270	0.799	0.703	1.870		
30	0.681	0.420	4.450	2.400	1.480	2.690	1.240	1.300	0.793	0.705	1.970		
31		0.420	4.450	2.230	2.230		2.370		1.430	0.783		1.880	
Total (m³/sDays)	19.630	15.942	52.005	141.090	169.380	38.939	53.804	72.080	39.588	33.118	23.584	31.855	691.015
Volume (Mm³)	1.696	1.377	4.493	12.190	14.634	3.364	4.649	6.228	3.420	2.861	2.038	2.752	59.704
Mean (m³/s)	0.654	0.514	1.678	5.039	5.464	1.298	1.736	2.403	1.277	1.068	0.786	1.028	1.893
Max (m³/s)	0.904	0.660	6.090	13.200	11.100	2.060	2.690	4.960	1.710	1.490	0.960	1.970	13.200
Min (m³/s)	0.564	0.420	0.423	3.450	2.230	0.876	0.980	1.240	0.850	0.783	0.703	0.632	0.420
Abs Peak (m³/s)	0.915	0.666	8.500 *	14.000	12.800	2.160	2.900	7.440	1.720	1.490	0.974	1.970	14.000

* generated values ■ Estimated N.A Not available

ANNUAL DISCHARGE RECORD

RIVER Deep River E11

YEAR 2007/08	Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	1	1.740	0.620	0.517	1.130	3.700	6.920	1.440	4.060	2.040	2.430	0.927	4.270
2	1.640	0.612	0.525	1.100	3.640	6.450	1.360	3.790	2.010	2.460	0.927	4.070	
3	1.520	0.596	0.511	1.140	3.630	6.170	1.370	3.510	1.970	2.380	0.920	3.970	
4	1.430	0.589	0.495	1.420	3.610	5.950	1.310	3.140	1.890	2.290	0.904	3.840	
5	1.330	0.597	0.494	1.570	3.540	5.670	1.220	2.910	1.780	2.220	0.886	3.730	
6	1.230	0.582	0.494	1.730	3.390	5.400	1.170	2.790	1.740	2.170	0.866	3.630	
7	1.120	0.574	0.494	1.800	3.290	5.250	1.120	2.690	1.630	2.090	0.864	3.510	
8	1.030	0.571	0.488	1.840	3.120	5.030	1.070	2.600	1.520	2.120	0.891	3.380	
9	0.975	0.564	1.680	1.830	2.890	4.540	1.030	3.110	1.420	2.090	0.871	3.240	
10	0.915	0.559	1.820	1.790	2.620	4.240	1.020	2.740	1.340	2.270	0.860	3.070	
11	0.871	0.572	1.440	1.720	2.370	4.120	0.986	2.540	1.280	2.320	0.920	2.860	
12	0.902	0.612	1.430	1.560	2.140	4.130	0.951	2.470	1.230	2.070	0.927	2.550	
13	0.853	0.603	1.480	1.430	5.370	3.980	0.925	2.480	1.180	1.950	0.924	2.280	
14	0.799	0.607	1.520	1.330	6.450	3.920	0.935	2.490	1.140	1.870	0.921	2.120	
15	0.780	0.611	1.550	1.270	6.050	3.760	1.130	2.510	1.190	1.830	0.947	1.960	
16	0.746	0.615	1.590	2.050	5.050	3.540	0.966	2.570	1.260	1.780	2.630	1.920	
17	0.734	0.616	1.620	2.050	4.160	3.070	2.530	2.580	1.350	1.710	6.910	1.880	
18	0.733	0.609	1.440	1.890	3.740	2.810	6.160	2.750	1.350	1.650	6.910	1.790	
19	0.846	0.538	1.360	1.950	3.600	2.530	6.490	2.870	1.320	1.570	6.790	1.700	
20	0.778	0.521	1.260	2.020	3.570	2.540	4.530	2.760	1.480	1.490	6.320	1.600	
21	0.742	0.521	1.140	2.120	3.680	2.390	3.980	2.570	1.610	1.420	6.100	1.500	
22	0.728	0.552	1.040	2.190	3.860	2.060	3.560	2.490	1.700	1.330	6.050	1.420	
23	0.718	0.576	1.010	3.840	3.860	1.940	3.570	2.450	1.960	1.280	6.070	1.430	
24	0.686	0.553	0.974	4.730	3.880	1.820	4.240	2.440	2.360	1.230	6.070	1.340	
25	0.674	0.539	0.943	5.280	5.390	1.760	4.030	2.320	2.440	1.180	5.970	1.270	
26	0.679	0.535	0.911	4.110	33.500	1.720	3.960	2.280	2.350	1.140	5.740	1.220	
27	0.679	0.530	0.894	3.840	16.900	1.680	3.880	2.260	2.330	1.100	5.540	1.140	
28	0.663	0.537	0.879	3.750	11.800	1.620	3.850	2.230	2.340	1.040	5.090	1.110	
29	0.638	0.560	0.870	3.750	9.640	1.560	3.870	2.180	2.360	1.000	4.780	1.110	
30	0.621	0.531	0.902		8.250	1.500	3.850	2.110	2.370	0.996	4.520	1.090	
31		0.518	0.953		7.460		3.790		2.420	0.964		1.060	
Total (m ³ /sDays)	27.800	17.720	32.724	66.230	184.150	108.070	80.293	80.690	54.360	53.440	99.045	71.060	875.582
Volume (Mm ³)	2.402	1.531	2.827	5.722	15.911	9.337	6.937	6.972	4.697	4.617	8.557	6.140	75.650
Mean (m ³ /s)	0.927	0.572	1.056	2.284	5.940	3.602	2.590	2.690	1.754	1.724	3.302	2.292	2.392
Max (m ³ /s)	1.740	0.620	1.820	5.280	33.500	6.920	6.490	4.060	2.440	2.460	6.910	4.270	33.500
Min (m ³ /s)	0.621	0.518	0.488	1.100	2.140	1.500	0.925	2.110	1.140	0.964	0.860	1.060	0.488
Abs Peak (m ³ /s)	1.850	0.666	2.740	6.790	61.100	7.210	8.500	4.420	2.540	2.550	10.500	4.380	61.100

YEAR 2008/09	Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	1	1.020	2.480	0.904	1.440	3.190	6.020	3.670	3.320	1.350	2.510	2.200	0.765
2	0.987	2.140	1.000	1.330	3.090	5.640	3.510	3.170	1.320	2.520	2.140	0.759	
3	0.961	2.030	1.680	1.230	2.980	5.360	2.960	3.040	1.290	2.400	1.980	0.735	
4	0.923	2.080	1.400	1.130	2.840	5.140	2.840	2.950	1.250	2.320	1.830	0.705	
5	0.915	2.130	1.510	1.300	2.630	5.430	2.970	2.680	1.210	2.280	1.680	0.693	
6	0.895	2.170	1.640	1.310	2.540	5.930	3.240	2.390	1.170	2.350	1.570	0.677	
7	0.882	2.190	1.760	1.450	2.510	5.370	2.720	2.160	1.130	2.340	1.490	0.668	
8	0.934	2.220	1.880	2.180	2.440	5.340	2.480	1.970	1.100	2.300	1.430	0.646	
9	0.954	2.230	2.060	3.080	2.420	6.310	2.330	1.820	1.060	2.250	1.330	0.665	
10	0.918	2.070	2.740	3.280	2.730	8.630	2.190	1.680	1.020	2.300	1.260	0.677	
11	0.884	1.940	2.670	3.300	2.760	8.980	2.090	1.560	0.998	2.380	1.190	0.687	
12	0.848	1.780	2.930	3.320	3.010	7.310	1.970	1.480	0.964	2.190	1.140	0.697	
13	0.821	1.640	2.580	3.320	4.250	6.070	2.060	1.530	0.917	2.210	1.120	0.701	
14	0.814	1.500	2.380	3.320	4.780	5.440	2.830	1.630	0.904	2.330	1.080	0.684	
15	0.783	1.370	2.170	3.360	4.420	5.060	2.350	1.460	0.904	2.430	1.050	0.673	
16	0.770	1.250	2.020	3.360	4.060	4.970	2.380	1.350	0.887	2.530	1.050	0.661	
17	0.734	1.100	2.000	3.380	3.770	4.990	3.200	1.420	0.881	2.640	1.010	0.655	
18	0.704	1.020	1.940	3.400	4.850	5.130	2.820	1.440	0.881	2.750	0.988	0.646	
19	0.701	0.938	1.940	3.610	9.870	5.000	3.540	1.470	0.881	2.930	0.945	0.643	
20	0.694	0.887	1.940	5.040	9.710	4.890	3.910	1.460	0.883	2.770	0.947	0.624	
21	0.687	0.867	1.940	4.190	7.790	4.860	3.910	1.410	1.020	2.580	0.969	0.682	
22	0.679	0.999	1.940	3.790	6.930	5.320	4.030	1.360	1.460	2.520	0.930	2.410	
23	0.656	0.992	2.050	3.600	6.030	4.910	4.010	1.350	1.810	2.480	0.873	2.440	
24	0.650	0.950	2.110	3.520	5.600	4.450	3.880	1.350	1.740	2.450	0.841	2.220	
25	0.642	0.932	2.110	3.460	5.400	4.240	4.210	1.510	1.880	2.580	0.820	4.330	
26	0.625	0.884	2.090	3.460	5.310	4.150	4.360	1.550	1.990	2.870	0.809	3.320	
27	0.637	0.873	2.020	3.490	5.270	4.260	4.060	1.450	2.190	2.540	0.799	3.150	
28	1.340	0.870	1.950	3.290	5.330	4.020	3.950	1.390	2.340	2.420	0.788	3.100	
29	1.250	0.894	1.880		5.410	3.860	3.820	1.370	2.360	2.360	0.784	3.150	
30	1.490	0.915	1.720		12.610	3.760	3.750	1.360	2.400	2.310	0.784	3.160	
31		0.908	1.550		8.030		3.450		2.430	2.250		3.210	
Total (m ³ /sDays)	25.798	45.249	60.504	81.940	152.560	160.840	99.490	54.080	42.620	76.090	35.827	44.833	879.831
Volume (Mm ³)	2.229	3.910	5.228	7.080	13.181	13.897	8.596	4.673	3.682	6.574	3.095	3.874	76.017
Mean (m ³ /s)	0.860	1.460	1.952	2.926	4.921	5.361	3.209	1.803	1.375	2.455	1.194	1.446	2.410
Max (m ³ /s)	1.490	2.480	2.930	5.040	12.610	8.980	4.360	3.320	2.430	2.930	2.200	4.330	12.610
Min (m ³ /s)	0.625	0.867	0.904	1.130	2.420	3.760	1.970	1.350	0.881	2.190	0.784	0.624	0.624
Abs Peak (m ³ /s)	2.000	2.700	3.150	5.760	23.000	10.000	4.740	3.380	2.430	3.090	2.210	5.510	23.000

* generated values ■ Estimated N.A Not available

ANNUAL DISCHARGE RECORD

YEAR	Day	RIVER										Deep River		E11	
		Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct		
2009	1	3.330	2.230	2.530	10.124 *	4.400	3.720	2.010	1.360	0.732	2.250	1.930	0.866		
	2	3.810	2.100	2.500	10.197 *	4.240	3.370	2.030	1.300	0.739	2.270	1.860	0.843		
	3	3.620	1.950	2.530	7.130	4.080	3.110	1.930	1.330	0.739	2.260	2.070	0.811		
	4	3.510	2.020	2.600	6.590	3.940	3.010	1.830	1.350	0.744	2.100	2.200	0.798		
	5	3.420	1.910	2.630	6.090	4.090	2.910	1.670	1.360	0.760	2.040	2.060	0.835		
	6	3.330	1.700	2.590	5.490	5.820	2.810	1.590	1.350	0.771	2.030	2.020	0.800		
	7	3.240	1.550	3.580	5.470	4.800	2.690	1.510	1.310	0.811	1.990	2.030	0.778		
	8	3.070	1.470	3.760	6.860	3.970	2.580	1.450	1.270	0.861	1.920	2.020	0.771		
	9	2.860	1.460	3.460	13.995 *	4.370	2.450	1.400	1.270	1.220	1.960	2.100	0.778		
	10	2.660	1.390	3.380	15.58 *	3.910	2.280	1.350	1.210	1.310	1.870	2.240	0.781		
	11	2.460	1.320	3.210	13.000 *	3.950	2.070	1.330	1.150	1.290	1.830	2.260	0.786		
	12	2.310	1.270	3.070	14.431 *	3.840	1.860	1.350	1.100	1.390	1.780	2.080	0.789		
	13	2.150	1.200	3.260	10.933 *	3.830	1.710	1.350	1.050	1.540	1.740	1.950	0.803		
	14	1.980	1.140	3.460	10.090 *	3.780	1.700	1.190	1.000	1.690	3.986 *	1.800	0.811		
	15	1.800	1.100	3.300	9.210 *	3.770	1.630	1.320	0.967	1.810	4.400	1.560	0.799		
	16	1.650	1.120	22.850 *	8.380 *	3.810	1.510	1.420	0.883	1.830	3.180	1.450	0.786		
	17	1.670	1.120	7.763 *	7.710	3.900	1.410	1.310	0.776	1.830	2.910	1.360	0.764		
	18	3.880	1.080	5.660	7.220	4.100	1.330	1.250	0.691	1.780	2.810	1.280	0.742		
	19	2.800	1.040	5.120	6.870	6.062 *	1.300	1.220	0.640	1.670	2.750	1.200	0.722		
	20	2.460	1.000	4.950	6.510	5.264 *	3.290	1.210	0.626	1.570	2.750	1.140	0.704		
	21	2.420	0.971	6.640 *	6.410	4.310	2.350	1.220	0.626	1.490	2.720	1.080	0.696		
	22	2.430	0.938	8.370 *	6.600	4.150	2.050	1.230	0.644	1.490	2.700	1.060	0.683		
	23	3.160	0.907	6.770	6.150	4.040	2.090	1.270	0.676	1.470	2.690	1.020	0.672		
	24	4.220	0.877	11.921 *	5.720	3.920	2.100	1.290	0.682	1.470	2.680	0.993	0.666		
	25	4.100	0.865	10.100 *	5.400	3.880	2.090	1.340	0.731	1.740	2.790	0.961	0.673		
	26	3.720	0.836	8.063 *	5.070	3.870	2.080	1.410	0.686	2.110	2.920	0.921	0.658		
	27	2.920	0.813	7.698 *	4.800	3.890	2.140	1.410	0.657	2.060	2.580	0.883	0.610		
	28	2.630	0.793	7.690	4.590	3.940	2.130	1.350	0.638	2.060	2.450	0.863	0.583		
	29	2.450	3.400	6.980		3.760	2.110	1.320	0.656	2.150	2.340	0.848	0.578		
	30	2.350	2.660	6.440		4.220	1.960	1.440	0.677	2.210	2.230	0.886	0.567		
	31		2.390	6.060		3.840		1.450		2.220	2.110		0.557		
															YEAR
	Total (m ³ /sDays)	86.410	44.620	178.935	226.620	129.746	67.840	44.450	28.666	45.557	77.036	46.125	22.710	998.715	
	Volume (Mm ³)	7.466	3.855	15.460	19.580	11.210	5.861	3.840	2.477	3.936	6.656	3.985	1.962	86.289	
	Mean (m ³ /s)	2.880	1.439	5.772	8.094	4.185	2.261	1.434	0.956	1.470	2.485	1.538	0.733	2.736	
	Max (m ³ /s)	4.220	3.400	22.850	15.580	6.062	3.720	2.030	1.360	2.220	4.400	2.260	0.866	22.850	
	Min (m ³ /s)	1.650	0.793	2.500	4.590	3.760	1.300	1.190	0.626	0.732	1.740	0.848	0.557	0.557	
	Abs Peak (m ³ /s)	7.670	6.790	51.200 *	27.750 *	11.500 *	4.700	2.160	1.390	2.250	8.500 *	2.350	0.881	51.200	

* generated values

■ Estimated

N.A Not available