

Annex D

Flow Measurements Upstream of Proposed Diversion Structures and Downstream on Allain and Duhangan Streams

ALLAIN DUHANGAN HYDROELECTRIC PROJECT
Discharge (Q, cum/sec) observed on Allain River at Aleo and Allain Barrage Site

		73-74			74-75			75-76			76-77			77-78			78-79			79-80			80-81			81-82	
		At Aleo (Qa)	Barrage (Qb)	Diff Qa-Qb	At Aleo (Qa)	Barrage (Qb)	Diff Qa-Qb	At Aleo (Qa)	Barrage (Qb)	Diff Qa-Qb	At Aleo (Qa)	Barrage (Qb)	Diff Qa-Qb	At Aleo (Qa)	Barrage (Qb)	Diff Qa-Qb	At Aleo (Qa)	Barrage (Qb)	Diff Qa-Qb	At Aleo (Qa)	Barrage (Qb)	Diff Qa-Qb	At Aleo (Qa)	Barrage (Qb)	Diff Qa-Qb	At Aleo (Qa)	Barrage (Qb)
Oct	I	3.930	3.508	0.422	3.980	3.553	0.427	17.410	15.541	1.869	10.093	9.010	1.083	13.035	11.636	1.399	9.280	8.284	0.996	8.100	7.231	0.869	7.670	6.865	0.805	7.480	6.677
	II	3.930	3.508	0.422	3.590	3.205	0.385	15.820	14.122	1.698	6.125	5.468	0.657	10.324	9.216	1.108	7.940	7.088	0.852	6.740	6.017	0.723	6.670	5.954	0.716	6.290	5.615
	III	3.900	3.481	0.419	3.050	2.723	0.327	12.130	10.828	1.302	7.091	6.330	0.761	10.022	8.946	1.076	6.730	6.008	0.722	6.090	5.436	0.654	6.020	5.374	0.646	5.560	4.963
October Average Addition		0.421			0.380			1.623			0.834			1.194			0.857			0.749			0.722			0.692	
Nov	I	3.350	2.990	0.360	3.250	2.901	0.349	9.970	8.900	1.070	8.650	7.722	0.928	7.829	6.989	0.840	5.920	5.285	0.635	5.680	5.070	0.610	5.540	4.945	0.595	5.580	4.981
	II	2.970	2.651	0.319	3.180	2.839	0.341	9.530	8.507	1.023	6.929	6.185	0.744	7.175	6.405	0.770	5.640	5.035	0.605	5.300	4.731	0.569	5.080	4.535	0.545	4.780	4.267
	III	2.980	2.660	0.320	2.880	2.571	0.309	8.770	7.829	0.941	6.616	5.906	0.710	7.715	6.887	0.828	5.630	5.026	0.604	4.590	4.097	0.493	4.880	4.356	0.524	4.240	3.785
November Average Addition		0.333			0.333			1.011			0.794			0.813			0.615			0.557			0.555			0.522	
Dec	I	2.680	2.392	0.288	2.430	2.169	0.261	7.910	7.061	0.849	6.640	5.927	0.713	6.070	5.418	0.652	5.210	4.651	0.559	4.340	3.874	0.466	4.520	4.035	0.485	4.060	3.624
	II	2.680	2.392	0.288	2.280	2.035	0.245	5.940	5.302	0.638	4.560	4.071	0.489	5.450	4.865	0.585	4.950	4.419	0.531	4.240	3.785	0.455	4.160	3.713	0.447	3.660	3.267
	III	2.500	2.232	0.268	2.470	2.205	0.265	5.520	4.927	0.593	4.185	3.736	0.449	5.040	4.499	0.541	4.770	4.258	0.512	4.090	3.651	0.439	3.990	3.562	0.428	3.440	3.071
December Average Addition		0.281			0.257			0.693			0.550			0.593			0.534			0.453			0.453			0.399	
Jan	I	2.660	2.374	0.286	2.140	1.910	0.230	4.980	4.445	0.535	4.330	3.865	0.465	4.710	4.204	0.506	4.410	3.937	0.473	4.180	3.731	0.449	3.720	3.321	0.399	3.490	3.115
	II	1.980	1.767	0.213	2.450	2.187	0.263	4.790	4.276	0.514	4.036	3.603	0.433	4.540	4.053	0.487	4.200	3.749	0.451	4.010	3.580	0.430	3.570	3.187	0.383	3.940	3.517
	III	1.920	1.714	0.206	2.810	2.508	0.302	4.450	3.972	0.478	3.382	3.019	0.363	4.450	3.972	0.478	3.940	3.517	0.423	3.760	3.356	0.404	3.370	3.008	0.362	4.070	3.633
January Average Addition		0.235			0.265			0.509			0.420			0.490			0.449			0.428			0.381			0.412	
Feb	I	1.840	1.642	0.198	2.810	2.508	0.302	4.693	4.189	0.504	3.160	2.821	0.339	4.030	3.597	0.433	3.870	3.455	0.415	3.610	3.223	0.387	3.270	2.919	0.351	3.890	3.472
	II	1.740	1.553	0.187	2.470	2.205	0.265	3.765	3.361	0.404	3.120	2.785	0.335	3.630	3.240	0.390	3.800	3.392	0.408	3.540	3.160	0.380	3.450	3.080	0.370	3.900	3.481
	III	2.730	2.437	0.293	2.930	2.615	0.315	3.396	3.031	0.365	3.221	2.875	0.346	3.560	3.178	0.382	3.870	3.455	0.415	3.960	3.535	0.425	3.750	3.347	0.403	3.870	3.455
February Average Addition		0.226			0.294			0.424			0.340			0.402			0.413			0.397			0.375			0.417	
Mar	I	2.010	1.794	0.216	2.530	2.258	0.272	3.930	3.508	0.422	2.815	2.513	0.302	3.520	3.142	0.378	3.680	3.285	0.395	4.090	3.651	0.439	3.620	3.231	0.389	3.890	3.472
	II	2.440	2.178	0.262	2.650	2.366	0.284	4.680	4.178	0.502	3.042	2.715	0.327	3.590	3.205	0.385	4.080	3.642	0.438	3.980	3.553	0.427	3.610	3.223	0.387	3.850	3.437
	III	2.840	2.535	0.305	2.720	2.428	0.292	4.470	3.990	0.480	3.469	3.097	0.372	3.260	2.910	0.350	4.900	4.374	0.526	4.700	4.195	0.505	4.220	3.767	0.453	4.630	4.133
March Average Addition		0.261			0.283			0.468			0.334			0.371			0.453			0.457			0.410			0.443	

ALLAIN DUHANGAN HYDROELECTRIC PROJECT
Discharge (Q, cum/sec) observed on Allain River at Aleo and Allain Barrage Site

		82-83			83-84			84-85			85-86			86-87			87-88			88-89			89-90			
		Diff Qa-Qb	At Aleo (Qa)	Barrage (Qb)	Diff Qa-Qb	At Aleo (Qa)	Barrage (Qb)	Diff Qa-Qb	At Aleo (Qa)	Barrage (Qb)	Diff Qa-Qb	At Aleo (Qa)	Barrage (Qb)	Diff Qa-Qb	At Aleo (Qa)	Barrage (Qb)	Diff Qa-Qb	At Aleo (Qa)	Barrage (Qb)	Diff Qa-Qb	At Aleo (Qa)	Barrage (Qb)	Diff Qa-Qb			
Oct	I	0.803	8.810	7.864	0.946	12.090	10.792	1.298	7.300	6.516	0.784	8.500	7.588	0.912	8.560	7.641	0.919	10.540	9.409	1.131	11.600	10.355	1.245	6.660	5.945	0.715
	II	0.675	7.610	6.793	0.817	11.420	10.194	1.226	6.500	5.802	0.698	7.990	7.132	0.858	7.060	6.302	0.758	8.740	7.802	0.938	8.210	7.329	0.881	5.890	5.258	0.632
	III	0.597	6.770	6.043	0.727	9.540	8.516	1.024	6.200	5.534	0.666	7.040	6.284	0.756	6.030	5.383	0.647	7.290	6.507	0.783	5.160	4.606	0.554	5.880	2.249	3.631
October Average Addition			0.830			1.183			0.716			0.842			0.775			0.951			0.893			1.659		
Nov	I	0.599	6.690	5.972	0.718	8.710	7.775	0.935	8.090	7.222	0.868	6.220	5.552	0.668	5.650	5.044	0.606	5.870	5.240	0.630	3.940	3.517	0.423	5.340	4.767	0.573
	II	0.513	6.470	5.776	0.694	7.250	6.472	0.778	5.890	5.258	0.632	5.330	4.758	0.572	5.290	4.722	0.568	5.140	4.588	0.552	3.420	3.053	0.367	5.450	4.865	0.585
	III	0.455	5.900	5.267	0.633	6.440	5.749	0.691	5.580	4.981	0.599	4.790	4.276	0.514	5.080	4.535	0.545	4.310	3.847	0.463	3.560	3.178	0.382	5.000	4.463	0.537
November Average Addition			0.682			0.801			0.700			0.585			0.573			0.548			0.391			0.565		
Dec	I	0.436	5.470	4.883	0.587	6.130	5.472	0.658	5.290	4.722	0.568	4.630	4.133	0.497	4.710	4.204	0.506	3.530	3.151	0.379	3.490	3.115	0.375	4.430	3.954	0.476
	II	0.393	5.310	4.740	0.570	6.150	5.490	0.660	5.130	4.579	0.551	4.910	4.383	0.527	4.520	4.035	0.485	3.240	2.892	0.348	3.150	2.812	0.338	4.110	3.669	0.441
	III	0.369	5.200	4.642	0.558	6.060	5.410	0.650	5.030	4.490	0.540	4.840	4.320	0.520	4.530	4.044	0.486	2.860	2.553	0.307	3.170	2.830	0.340	3.690	3.294	0.396
December Average Addition			0.572			0.656			0.553			0.515			0.492			0.345			0.351			0.438		
Jan	I	0.375	5.200	4.642	0.558	6.070	5.418	0.652	5.260	4.695	0.565	4.790	4.276	0.514	4.560	4.071	0.489	2.760	2.464	0.296	3.200	2.857	0.343	3.380	3.017	0.363
	II	0.423	4.880	4.356	0.524	6.040	5.392	0.648	5.160	4.606	0.554	4.680	4.178	0.502	4.770	4.258	0.512	2.840	2.535	0.305	3.220	2.874	0.346	2.980	2.660	0.320
	III	0.437	4.420	3.946	0.474	5.920	5.285	0.635	5.080	4.535	0.545	4.800	4.285	0.515	4.780	4.267	0.513	2.920	2.607	0.313	3.390	3.026	0.364	3.160	2.821	0.339
January Average Addition			0.519			0.645			0.555			0.510			0.505			0.305			0.351			0.341		
Feb	I	0.418	4.370	3.901	0.469	4.420	3.946	0.474	4.830	4.312	0.518	4.820	4.303	0.517	4.700	4.195	0.505	2.920	2.607	0.313	3.330	2.973	0.357	3.110	2.776	0.334
	II	0.419	4.430	3.954	0.476	4.370	3.901	0.469	4.750	4.240	0.510	4.730	4.222	0.508	4.700	4.195	0.505	3.210	2.865	0.345	3.140	2.803	0.337	3.310	2.955	0.355
	III	0.415	4.480	3.999	0.481	4.260	3.803	0.457	4.400	3.928	0.472	4.810	4.294	0.516	4.930	4.401	0.529	3.230	2.883	0.347	3.150	2.812	0.338	3.320	2.964	0.356
February Average Addition			0.475			0.467			0.500			0.514			0.513			0.335			0.344			0.348		
Mar	I	0.418	4.950	4.419	0.531	4.530	4.044	0.486	4.580	4.088	0.492	4.630	4.133	0.497	4.960	4.428	0.532	3.770	3.365	0.405	3.250	2.901	0.349	3.260	2.910	0.350
	II	0.413	4.930	4.401	0.529	4.880	4.356	0.524	4.630	4.133	0.497	5.290	4.722	0.568	5.690	5.079	0.611	4.320	3.856	0.464	3.390	3.026	0.364	3.710	3.312	0.398
	III	0.497	5.430	4.847	0.583	5.510	4.919	0.591	4.740	4.231	0.509	5.380	4.803	0.577	5.690	5.079	0.611	3.770	3.365	0.405	3.580	3.196	0.384	4.760	4.249	0.511
March Average Addition			0.548			0.534			0.499			0.547			0.585			0.425			0.366			0.420		

		90-91			91-92			92-93			93-94			94-95			Average Addition al flow between
		At Aleo (Qa)	Barrage (Qb)	Diff Qa-Qb	At Aleo (Qa)	Barrage (Qb)	Diff Qa-Qb	At Aleo (Qa)	Barrage (Qb)	Diff Qa-Qb	At Aleo (Qa)	Barrage (Qb)	Diff Qa-Qb	At Aleo (Qa)	Barrage (Qb)	Diff Qa-Qb	
Oct	I	7.000	6.249	0.751	8.410	7.507	0.903	9.590	8.561	1.029	7.570	6.757	0.813	9.910	8.562	1.348	
	II	5.390	4.811	0.579	7.500	6.695	0.805	8.730	7.793	0.937	6.650	5.936	0.714	8.810	7.612	1.198	
	III	4.950	4.419	0.531	5.840	5.213	0.627	7.450	6.650	0.800	6.390	5.704	0.686	7.690	7.309	0.381	
October Average Addition		0.620			0.778			0.922			0.738			0.976			0.880
Nov	I	5.140	4.588	0.552	4.990	4.454	0.536	6.720	5.999	0.721	5.870	5.240	0.630	6.180	5.340	0.840	
	II	4.350	3.883	0.467	4.440	3.963	0.477	6.210	5.543	0.667	5.130	4.579	0.551	5.670	4.899	0.771	
	III	4.010	3.580	0.430	4.020	3.588	0.432	5.590	4.990	0.600	4.130	3.847	0.283	5.020	4.337	0.683	
November Average Addition		0.483			0.482			0.663			0.488			0.765			0.603
Dec	I	3.920	3.499	0.421	3.790	3.383	0.407	4.250	3.794	0.456	3.770	3.365	0.405	4.600	3.974	0.626	
	II	3.920	3.499	0.421	3.920	3.499	0.421	3.680	3.285	0.395	3.400	3.035	0.365	4.100	3.542	0.558	
	III	3.100	2.767	0.333	4.060	3.624	0.436	3.570	3.107	0.463	3.110	2.776	0.334	3.780	3.593	0.187	
December Average Addition		0.392			0.421			0.438			0.368			0.457			0.464
Jan	I	3.000	2.678	0.322	3.830	3.419	0.411	3.510	3.133	0.377	NA			3.750	3.084	0.666	
	II	3.110	2.776	0.334	3.790	3.383	0.407	3.450	3.080	0.370	NA			3.540	3.059	0.481	
	III	2.930	2.615	0.315	3.690	3.294	0.396	3.180	2.839	0.341	NA			3.460	3.288	0.172	
January Average Addition		0.324			0.405			0.363			0.000			0.440			0.421
Feb	I	3.060	2.732	0.328	3.860	3.446	0.414	3.230	2.883	0.347	NA			3.440	2.972	0.468	
	II	3.090	2.758	0.332	3.920	3.499	0.421	3.300	2.946	0.354	NA			3.570	3.084	0.486	
	III	3.260	2.910	0.350	3.890	3.472	0.418	3.190	2.848	0.342	NA			3.430	2.371	1.059	
February Average Addition		0.337			0.418			0.348			0.000			0.671			0.407
Mar	I	3.590	3.205	0.385	4.040	3.606	0.434	3.070	2.740	0.330	NA			3.680	3.180	0.500	
	II	3.750	3.347	0.403	4.160	3.713	0.447	3.300	2.946	0.354	NA			4.170	3.603	0.567	
	III	4.260	3.803	0.457	4.120	3.678	0.442	3.410	3.044	0.366	NA			4.740	4.505	0.235	
March Average Addition		0.415			0.441			0.350			0.000			0.434			0.431

ALLAIN DUHANGAN HYDROELECTRIC PROJECT
Discharge (Q, cum/sec) observed on Duhangan River at JagatSukh (J.S.) and Weir Site

		73-74			74-75			75-76			76-77			77-78			78-79			79-80			80-81			
		At J.S. (Qa)	Weir (Qb)	Diff Qa-Qb	At J.S. (Qa)	Weir (Qb)	Diff Qa-Qb	At J.S. (Qa)	Weir (Qb)	Diff Qa-Qb	At J.S. (Qa)	Weir (Qb)	Diff Qa-Qb	At J.S. (Qa)	Weir (Qb)	Diff Qa-Qb	At J.S. (Qa)	Weir (Qb)	Diff Qa-Qb	At J.S. (Qa)	Weir (Qb)	Diff Qa-Qb	At J.S. (Qa)	Weir (Qb)	Diff Qa-Qb	At J.S. (Qa)
Oct	I	NA	5.166		5.066	3.661	1.405	12.344	8.921	3.423	5.621	4.062	1.559	6.535	4.723	1.812	7.560	5.464	2.096	4.100	2.963	1.137	4.900	3.541	1.359	3.870
	II	4.920	3.556	1.364	5.176	3.741	1.435	10.311	7.452	2.859	5.199	3.757	1.442	4.630	3.346	1.284	4.930	3.563	1.367	3.340	2.414	0.926	3.550	2.566	0.984	3.170
	III	4.825	3.487	1.338	4.730	3.418	1.312	7.949	5.745	2.204	4.522	3.268	1.254	4.367	3.156	1.211	4.223	3.052	1.171	2.740	1.980	0.760	2.940	2.125	0.815	2.700
October Average Addition		0.901			1.384			2.829			1.418			1.436			1.545			0.941			1.053			
Nov	I	3.730			4.600			7.806			3.802			3.685			3.682			2.550			2.660			
	II	3.915	2.829	1.086	4.608	3.330	1.278	5.730	4.141	1.589	3.689	2.666	1.023	3.256	2.353	0.903	3.107	2.245	0.862	2.190	1.583	0.607	2.510	1.814	0.696	2.410
	III	3.631	2.624	1.007	3.821	2.761	1.060	5.250	3.794	1.456	3.498	2.528	0.970	2.774	2.005	0.769	2.920	2.110	0.810	2.090	1.510	0.580	1.640	1.185	0.455	2.200
November Average Addition		1.042			1.205			1.737			1.016			0.898			0.898			0.631			0.630			
Dec	I	3.486	2.519	0.967	2.751	1.988	0.763	4.510	3.259	1.251	3.388	2.449	0.939	2.479	1.792	0.687	2.274	1.643	0.631	1.990	1.438	0.552	2.130	1.539	0.591	2.060
	II	3.654	2.641	1.013	2.641	1.909	0.732	3.480	2.515	0.965	2.952	2.133	0.819	2.155	1.557	0.598	2.619	1.893	0.726	1.830	1.323	0.507	2.010	1.453	0.557	1.800
	III	3.311	2.393	0.918	2.328	1.682	0.646	3.270	2.363	0.907	2.494	1.802	0.692	2.056	1.486	0.570	2.330	1.684	0.646	1.830	1.323	0.507	1.950	1.409	0.541	1.620
December Average Addition		0.966			0.714			1.041			0.817			0.618			0.668			0.522			0.563			
Jan	I	2.534	1.831	0.703	2.492	1.801	0.691	3.840	2.775	1.065	2.368	1.711	0.657	2.145	1.550	0.595	2.200	1.590	0.610	1.750	1.265	0.485	1.930	1.395	0.535	1.690
	II	2.097	1.516	0.581	2.924	2.113	0.811	2.950	2.132	0.818	2.250	1.626	0.624	2.246	1.623	0.623	2.170	1.568	0.602	1.640	1.185	0.455	1.910	1.380	0.530	1.860
	III	2.301	1.663	0.638	3.047	2.202	0.845	2.970	2.146	0.824	2.058	1.487	0.571	2.131	1.540	0.591	2.080	1.503	0.577	1.640	1.185	0.455	1.650	1.192	0.458	1.830
January Average Addition		0.641			0.782			0.902			0.617			0.603			0.596			0.465			0.508			
Feb	I	2.371	1.714	0.657	3.986	2.881	1.105	3.600	2.602	0.998	1.955	1.413	0.542	1.962	1.418	0.544	2.001	1.446	0.555	1.640	1.185	0.455	1.620	1.171	0.449	1.870
	II	2.240	1.619	0.621	3.022	2.184	0.838	2.960	2.139	0.821	1.900	1.373	0.527	1.848	1.336	0.512	2.126	1.536	0.590	1.620	1.171	0.449	1.730	1.250	0.480	1.920
	III	2.330	1.684	0.646	3.046	2.201	0.845	2.940	2.125	0.815	1.900	1.373	0.527	1.933	1.397	0.536	2.010	1.453	0.557	1.650	1.192	0.458	1.680	1.214	0.466	1.880
February Average Addition		0.641			0.929			0.878			0.532			0.531			0.567			0.454			0.465			
Mar	I	1.758	1.271	0.487	2.998	2.167	0.831	3.200	2.313	0.887	1.931	1.396	0.535	1.811	1.309	0.502	2.039	1.474	0.565	1.650	1.192	0.458	1.710	1.236	0.474	1.880
	II	1.838	1.328	0.510	3.138	2.268	0.870	3.090	2.233	0.857	2.087	1.508	0.579	1.998	1.444	0.554	2.277	1.646	0.631	1.650	1.192	0.458	1.860	1.344	0.516	2.080
	III	2.065	1.492	0.573	3.224	2.330	0.894	3.350	2.421	0.929	2.129	1.539	0.590	2.085	1.507	0.578	2.660	1.922	0.738	1.800	1.301	0.499	2.030	1.467	0.563	2.470
March Average Addition		0.523			0.865			0.891			0.568			0.545			0.645			0.472			0.518			

		81-82		82-83			83-84			84-85			85-86			86-87			87-88			88-89			
		Weir (Qb)	Diff Qa-Qb	At J.S. (Qa)	Weir (Qb)	Diff Qa-Qb	At J.S. (Qa)	Weir (Qb)	Diff Qa-Qb	At J.S. (Qa)	Weir (Qb)	Diff Qa-Qb	At J.S. (Qa)	Weir (Qb)	Diff Qa-Qb	At J.S. (Qa)	Weir (Qb)	Diff Qa-Qb	At J.S. (Qa)	Weir (Qb)	Diff Qa-Qb	At J.S. (Qa)	Weir (Qb)	Diff Qa-Qb	At J.S. (Qa)
Oct	I	2.797	1.073	3.960	2.862	1.098	5.770	4.170	1.600	4.250	3.072	1.178	6.140	4.437	1.703	5.450	3.939	1.511	4.130	2.985	1.145	8.360	6.042	2.318	4.140
	II	2.291	0.879	3.210	2.320	0.890	5.040	3.642	1.398	3.650	2.638	1.012	6.000	4.336	1.664	4.300	3.108	1.192	3.470	2.508	0.962	5.750	4.156	1.594	3.660
	III	1.951	0.749	2.780	2.009	0.771	4.250	3.072	1.178	3.040	2.197	0.843	4.900	3.541	1.359	3.410	2.464	0.946	3.230	2.334	0.896	4.730	3.418	1.312	3.210
October Average Addition		0.900		0.920			1.392			1.011			1.575			1.216			1.001			1.741			
Nov	I	2.620		2.690			3.670			2.690			3.900			3.250			2.720			3.660			
	II	1.742	0.668	2.610	1.886	0.724	3.060	2.211	0.849	2.430	1.756	0.674	3.640	2.631	1.009	3.140	2.239	0.901	3.330	2.407	0.923	2.960	2.139	0.821	2.460
	III	1.590	0.610	2.310	1.669	0.641	2.730	1.973	0.757	2.230	1.612	0.618	3.300	2.385	0.915	2.910	2.103	0.807	2.080	1.503	0.577	2.480	1.792	0.688	2.210
November Average Addition		0.668		0.704			0.875			0.679			1.002			0.870			0.751			0.841			
Dec	I	1.503	0.557	2.210	1.597	0.613	2.670	1.930	0.740	2.120	1.532	0.588	2.810	2.031	0.779	2.890	2.081	0.809	1.750	1.265	0.485	2.220	1.604	0.616	2.070
	II	1.301	0.499	2.700	1.951	0.749	2.630	1.901	0.729	2.020	1.460	0.560	2.500	1.807	0.693	2.780	2.009	0.771	1.570	1.135	0.435	2.070	1.496	0.574	1.800
	III	1.171	0.449	2.590	1.872	0.718	2.540	1.836	0.704	1.910	1.380	0.530	2.100	1.518	0.582	2.730	1.973	0.757	1.440	1.041	0.399	1.700	1.229	0.471	1.740
December Average Addition		0.502		0.693			0.724			0.559			0.685			0.779			0.440			0.554			
Jan	I	1.221	0.469	2.560	1.850	0.710	2.380	1.720	0.660	1.840	1.330	0.510	1.830	1.323	0.507	2.420	1.749	0.671	1.420	1.026	0.394	1.570	1.135	0.435	1.670
	II	1.344	0.516	2.400	1.734	0.666	2.280	1.648	0.632	1.800	1.301	0.499	2.020	1.460	0.560	2.110	1.525	0.585	1.440	1.041	0.399	1.470	1.062	0.408	1.770
	III	1.323	0.507	2.200	1.590	0.610	2.190	1.583	0.607	1.640	1.185	0.455	1.810	1.308	0.502	1.870	1.351	0.519	1.340	0.968	0.372	1.500	1.084	0.416	1.930
January Average Addition		0.497		0.662			0.633			0.488			0.523			0.592			0.388			0.420			
Feb	I	1.351	0.519	2.210	1.597	0.613	1.600	1.156	0.444	1.670	1.207	0.463	1.560	1.127	0.433	1.740	1.258	0.482	1.270	0.918	0.352	1.440	1.041	0.399	1.880
	II	1.388	0.532	1.700	1.229	0.471	1.590	1.149	0.441	1.810	1.308	0.502	1.490	1.077	0.413	1.560	1.127	0.433	1.280	0.925	0.355	1.470	1.062	0.408	1.700
	III	1.359	0.521	2.090	1.510	0.580	1.500	1.084	0.416	1.910	1.380	0.530	1.680	1.214	0.466	1.480	1.070	0.410	1.350	0.976	0.374	1.500	1.084	0.416	1.520
February Average Addition		0.524		0.555			0.434			0.498			0.437			0.442			0.360			0.408			
Mar	I	1.359	0.521	2.270	1.641	0.629	1.900	1.373	0.527	2.180	1.576	0.604	1.920	1.388	0.532	1.540	1.113	0.427	1.420	1.026	0.394	1.510	1.091	0.419	1.940
	II	1.503	0.577	2.440	1.763	0.677	2.010	1.453	0.557	2.070	1.496	0.574	1.960	1.417	0.543	1.840	1.330	0.510	1.640	1.185	0.455	1.440	1.041	0.399	2.060
	III	1.785	0.685	2.420	1.749	0.671	2.560	1.850	0.710	2.110	1.525	0.585	1.940	1.402	0.538	2.010	1.453	0.557	2.140	1.547	0.593	1.540	1.113	0.427	2.030
March Average Addition		0.594		0.659			0.598			0.588			0.538			0.498			0.481			0.415			

		89-90		90-91			91-92			92-93			93-94			94-95			Average Addition al flow between
		Weir (Qb)	Diff Qa-Qb	At J.S. (Qa)	Weir (Qb)	Diff Qa-Qb	At J.S. (Qa)	Weir (Qb)	Diff Qa-Qb	At J.S. (Qa)	Weir (Qb)	Diff Qa-Qb	At J.S. (Qa)	Weir (Qb)	Diff Qa-Qb	At J.S. (Qa)	Weir (Qb)	Diff Qa-Qb	
Oct	I	2.992	1.148	4.140	2.992	1.148	6.020	4.351	1.669	7.270	5.254	2.016	6.710	4.849	1.861	7.070	5.110	1.960	1.341
	II	2.645	1.015	3.800	2.746	1.054	4.700	3.397	1.303	5.590	4.040	1.550	5.430	3.924	1.506	6.050	4.372	1.678	
	III	2.320	0.890	3.210	2.320	0.890	4.720	3.411	1.309	4.120	2.978	1.142	4.640	3.353	1.287	4.580	3.310	1.270	
October Average Addition		1.018		1.031			1.427			1.569			1.551			1.636			
Nov	I	2.830			2.490			1.920			3.520			3.890			3.840		
	II	1.778	0.682	2.310	1.669	0.641	3.040	2.197	0.843	3.090	2.233	0.857	3.490	2.522	0.968	3.340	2.414	0.926	
	III	1.597	0.613	1.860	1.344	0.516	2.830	2.045	0.785	2.210	1.597	0.613	2.990	2.161	0.829	3.100	2.240	0.860	
November Average Addition		0.693		0.616			0.720			0.815			0.959			0.950			
Dec	I	1.496	0.574	1.640	1.185	0.455	2.310	1.669	0.641	1.960	1.417	0.543	2.770	2.002	0.768	3.010	2.175	0.835	0.873
	II	1.301	0.499	1.610	1.164	0.446	2.010	1.453	0.557	1.790	1.294	0.496	2.360	1.706	0.654	2.690	1.944	0.746	
	III	1.258	0.482	1.600	1.156	0.444	1.820	1.315	0.505	1.680	1.214	0.466	2.080	1.503	0.577	2.530	1.828	0.702	
December Average Addition		0.518		0.448			0.568			0.502			0.666			0.761			
Jan	I	1.207	0.463	1.520	1.099	0.421	1.790	1.294	0.496	1.580	1.142	0.438	NA			2.210	1.597	0.613	
	II	1.279	0.491	1.470	1.062	0.408	1.640	1.185	0.455	1.570	1.135	0.435	NA			2.100	1.518	0.582	
	III	1.395	0.535	1.500	1.084	0.416	1.630	1.178	0.452	1.580	1.142	0.438	NA			1.820	1.315	0.505	
January Average Addition		0.496		0.415			0.468			0.437			0.000			0.567			
Feb	I	1.359	0.521	1.530	1.106	0.424	1.610	1.164	0.446	1.500	1.084	0.416	NA			1.740	1.258	0.482	0.557
	II	1.229	0.471	1.490	1.077	0.413	1.660	1.200	0.460	1.520	1.099	0.421	NA			1.710	1.236	0.474	
	III	1.099	0.421	1.480	1.070	0.410	1.810	1.308	0.502	1.550	1.120	0.430	NA			1.600	1.156	0.444	
February Average Addition		0.471		0.416			0.469			0.422			0.000			0.467			
Mar	I	1.402	0.538	1.570	1.135	0.435	2.030	1.467	0.563	1.940	1.402	0.538	NA			1.700	1.229	0.471	
	II	1.489	0.571	1.870	1.351	0.519	2.400	1.734	0.666	1.960	1.417	0.543	NA			1.690	1.221	0.469	
	III	1.467	0.563	2.450	1.771	0.679	2.660	1.922	0.738	2.180	1.576	0.604	NA			2.700	1.951	0.749	
March Average Addition		0.557		0.544			0.656			0.562			0.000			0.563			