

Appendix V5-1R

Simulated Project-affected Volume at Assessment Nodes
under the Average, 1-in-20-Year Dry, and 1-in-20-Year
Wet Conditions



Table R-1. Simulated Project-affected Volume of Imniagut Lake under Average Runoff Conditions (Mm³)

Project Year	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
0	2018	0.239	0.239	0.239	0.239	0.237	0.245	0.241	0.236	0.235	0.237	0.237	0.237	0.238
1	2019	0.237	0.237	0.237	0.237	0.235	0.243	0.240	0.234	0.233	0.235	0.236	0.236	0.237
2	2020	0.236	0.236	0.236	0.235	0.233	0.241	0.237	0.230	0.229	0.230	0.229	0.228	0.233
3	2021	0.227	0.226	0.225	0.223	0.220	0.227	0.222	0.215	0.212	0.213	0.212	0.210	0.219
4	2022	0.209	0.207	0.206	0.204	0.200	0.207	0.202	0.195	0.192	0.193	0.191	0.190	0.200
5	2023	0.188	0.186	0.185	0.183	0.179	0.186	0.181	0.174	0.171	0.172	0.171	0.169	0.179
6	2024	0.167	0.166	0.164	0.162	0.158	0.165	0.161	0.154	0.151	0.152	0.150	0.149	0.158
7	2025	0.147	0.145	0.143	0.142	0.138	0.145	0.140	0.133	0.131	0.131	0.130	0.128	0.138
8	2026	0.127	0.125	0.123	0.122	0.118	0.125	0.120	0.114	0.111	0.112	0.111	0.109	0.118
9	2027	0.107	0.105	0.104	0.102	0.098	0.106	0.101	0.095	0.092	0.093	0.092	0.090	0.099
10	2028	0.088	0.086	0.085	0.083	0.079	0.087	0.083	0.076	0.074	0.075	0.074	0.072	0.080
11	2029	0.070	0.068	0.067	0.065	0.061	0.069	0.065	0.059	0.057	0.058	0.056	0.055	0.063
12	2030	0.053	0.051	0.050	0.048	0.045	0.052	0.049	0.044	0.042	0.043	0.041	0.039	0.046
13	2031	0.038	0.036	0.034	0.033	0.030	0.037	0.035	0.031	0.029	0.030	0.028	0.027	0.032
14	2032	0.027	0.027	0.027	0.027	0.026	0.035	0.035	0.032	0.032	0.035	0.035	0.035	0.031
15	2033	0.035	0.035	0.035	0.035	0.034	0.043	0.042	0.039	0.039	0.041	0.042	0.042	0.038
16	2034	0.042	0.042	0.042	0.042	0.040	0.050	0.048	0.045	0.045	0.047	0.047	0.047	0.045
17	2035	0.047	0.047	0.047	0.047	0.046	0.055	0.053	0.050	0.049	0.052	0.052	0.052	0.050
18	2036	0.052	0.052	0.052	0.052	0.050	0.060	0.058	0.054	0.054	0.056	0.056	0.056	0.054
19	2037	0.056	0.056	0.056	0.056	0.055	0.064	0.062	0.058	0.058	0.060	0.060	0.060	0.059
20	2038	0.060	0.060	0.060	0.060	0.058	0.068	0.066	0.061	0.061	0.063	0.064	0.064	0.062
21	2039	0.064	0.064	0.064	0.064	0.062	0.072	0.069	0.065	0.064	0.067	0.067	0.067	0.066
22	2040	0.067	0.067	0.067	0.067	0.065	0.075	0.072	0.068	0.067	0.070	0.070	0.070	0.069

Reference: Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4).

Note: The Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4) incorporates the effects of climate change (Volume 1, Annex V1-7, Package P5-1) on streamflows.

Table R-2. Simulated Project-affected Volume of Imniagut Lake under 1-in-20-Year Dry Runoff Conditions (Mm³)

Project Year	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
0	2018	0.230	0.230	0.230	0.230	0.230	0.233	0.229	0.222	0.222	0.225	0.225	0.225	0.227
1	2019	0.225	0.225	0.225	0.225	0.225	0.229	0.222	0.217	0.216	0.220	0.220	0.220	0.222
2	2020	0.220	0.220	0.220	0.220	0.222	0.226	0.219	0.212	0.211	0.212	0.211	0.210	0.217
3	2021	0.209	0.208	0.207	0.205	0.202	0.208	0.200	0.194	0.192	0.193	0.193	0.191	0.200
4	2022	0.190	0.188	0.187	0.185	0.183	0.185	0.177	0.171	0.171	0.172	0.171	0.169	0.179
5	2023	0.167	0.165	0.164	0.162	0.160	0.163	0.153	0.148	0.144	0.144	0.143	0.141	0.155
6	2024	0.139	0.138	0.136	0.134	0.138	0.141	0.131	0.124	0.123	0.124	0.122	0.121	0.131
7	2025	0.119	0.117	0.116	0.114	0.113	0.117	0.108	0.104	0.102	0.104	0.103	0.101	0.110
8	2026	0.099	0.098	0.096	0.094	0.092	0.097	0.089	0.083	0.083	0.084	0.083	0.081	0.090
9	2027	0.080	0.078	0.076	0.075	0.074	0.076	0.071	0.065	0.064	0.064	0.063	0.061	0.070
10	2028	0.060	0.058	0.056	0.054	0.058	0.059	0.053	0.049	0.049	0.048	0.047	0.045	0.053
11	2029	0.043	0.042	0.040	0.038	0.042	0.046	0.039	0.035	0.035	0.035	0.034	0.032	0.039
12	2030	0.030	0.029	0.027	0.025	0.024	0.032	0.029	0.030	0.029	0.031	0.031	0.029	0.029
13	2031	0.028	0.026	0.024	0.023	0.023	0.027	0.024	0.022	0.022	0.023	0.022	0.020	0.024
14	2032	0.020	0.020	0.020	0.020	0.023	0.029	0.025	0.025	0.026	0.029	0.030	0.030	0.025
15	2033	0.030	0.030	0.030	0.030	0.031	0.037	0.033	0.032	0.032	0.035	0.036	0.036	0.032
16	2034	0.036	0.036	0.036	0.036	0.037	0.042	0.038	0.036	0.039	0.041	0.041	0.041	0.038
17	2035	0.041	0.041	0.041	0.041	0.041	0.048	0.043	0.042	0.041	0.041	0.045	0.045	0.043
18	2036	0.045	0.045	0.045	0.045	0.044	0.049	0.046	0.043	0.045	0.045	0.047	0.047	0.046
19	2037	0.047	0.047	0.047	0.047	0.051	0.052	0.049	0.046	0.048	0.050	0.051	0.051	0.049
20	2038	0.051	0.051	0.051	0.051	0.050	0.058	0.051	0.050	0.051	0.052	0.053	0.053	0.052
21	2039	0.053	0.053	0.053	0.053	0.054	0.057	0.050	0.050	0.052	0.053	0.056	0.056	0.053
22	2040	0.056	0.056	0.056	0.056	0.058	0.062	0.055	0.054	0.054	0.056	0.058	0.058	0.057

Reference: Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4).

Note: The Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4) incorporates the effects of climate change (Volume 1, Annex V1-7, Package P5-1) on streamflows.

Table R-3. Simulated Project-affected Volume of Imniagut Lake under 1-in-20-Year Wet Runoff Conditions (Mm³)

Project Year	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
0	2018	0.255	0.255	0.255	0.255	0.255	0.263	0.258	0.252	0.254	0.256	0.258	0.258	0.256
1	2019	0.258	0.258	0.258	0.258	0.260	0.266	0.261	0.255	0.255	0.258	0.259	0.259	0.259
2	2020	0.259	0.259	0.259	0.259	0.262	0.267	0.259	0.255	0.253	0.255	0.256	0.255	0.258
3	2021	0.254	0.253	0.251	0.250	0.248	0.258	0.250	0.243	0.241	0.243	0.243	0.241	0.248
4	2022	0.240	0.238	0.236	0.235	0.234	0.239	0.230	0.223	0.225	0.226	0.223	0.222	0.231
5	2023	0.220	0.218	0.217	0.215	0.215	0.222	0.213	0.206	0.203	0.205	0.204	0.203	0.212
6	2024	0.201	0.199	0.197	0.196	0.198	0.202	0.195	0.187	0.189	0.189	0.188	0.187	0.194
7	2025	0.185	0.183	0.182	0.180	0.182	0.185	0.177	0.170	0.167	0.170	0.171	0.169	0.177
8	2026	0.167	0.165	0.164	0.162	0.162	0.166	0.162	0.153	0.153	0.154	0.153	0.152	0.159
9	2027	0.150	0.148	0.147	0.145	0.147	0.149	0.142	0.135	0.133	0.134	0.135	0.134	0.141
10	2028	0.132	0.130	0.128	0.127	0.129	0.131	0.121	0.117	0.115	0.116	0.116	0.114	0.123
11	2029	0.112	0.110	0.109	0.107	0.109	0.111	0.104	0.097	0.095	0.096	0.097	0.096	0.104
12	2030	0.094	0.092	0.090	0.089	0.091	0.091	0.084	0.077	0.076	0.077	0.077	0.076	0.085
13	2031	0.074	0.072	0.071	0.069	0.071	0.071	0.062	0.057	0.058	0.057	0.057	0.056	0.065
14	2032	0.055	0.055	0.055	0.055	0.062	0.064	0.060	0.057	0.057	0.059	0.060	0.060	0.058
15	2033	0.060	0.060	0.060	0.060	0.063	0.066	0.063	0.058	0.058	0.061	0.064	0.064	0.061
16	2034	0.064	0.064	0.064	0.064	0.069	0.070	0.066	0.062	0.063	0.066	0.067	0.067	0.066
17	2035	0.067	0.067	0.067	0.067	0.070	0.075	0.071	0.065	0.066	0.068	0.071	0.071	0.069
18	2036	0.071	0.071	0.071	0.071	0.077	0.083	0.078	0.072	0.073	0.076	0.078	0.078	0.075
19	2037	0.078	0.078	0.078	0.078	0.082	0.086	0.081	0.077	0.080	0.081	0.084	0.084	0.080
20	2038	0.084	0.084	0.084	0.084	0.087	0.094	0.090	0.084	0.083	0.086	0.090	0.090	0.087
21	2039	0.090	0.090	0.090	0.090	0.094	0.098	0.096	0.090	0.091	0.094	0.095	0.095	0.093
22	2040	0.095	0.095	0.095	0.095	0.100	0.104	0.099	0.094	0.096	0.099	0.102	0.102	0.098

Reference: Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4).

Note: The Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4) incorporates the effects of climate change (Volume 1, Annex V1-7, Package P5-1) on streamflows.

Table R-4. Simulated Project-affected Volume of Wolverine Lake under Average Runoff Conditions (Mm³)

Project Year	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
0	2018	3.512	3.512	3.512	3.512	3.489	3.541	3.510	3.465	3.469	3.506	3.512	3.512	3.504
1	2019	3.512	3.512	3.512	3.512	3.488	3.541	3.510	3.465	3.469	3.505	3.512	3.512	3.504
2	2020	3.512	3.512	3.512	3.512	3.488	3.541	3.509	3.464	3.468	3.505	3.512	3.512	3.504
3	2021	3.512	3.512	3.512	3.512	3.488	3.541	3.509	3.464	3.468	3.504	3.511	3.511	3.504
4	2022	3.511	3.511	3.511	3.511	3.487	3.541	3.509	3.463	3.467	3.504	3.510	3.510	3.503
5	2023	3.510	3.510	3.510	3.510	3.487	3.541	3.508	3.463	3.466	3.503	3.510	3.510	3.502
6	2024	3.510	3.510	3.510	3.510	3.486	3.541	3.508	3.462	3.465	3.502	3.509	3.509	3.502
7	2025	3.509	3.509	3.509	3.509	3.485	3.541	3.508	3.461	3.464	3.501	3.508	3.508	3.501
8	2026	3.508	3.508	3.508	3.508	3.484	3.541	3.507	3.461	3.464	3.500	3.507	3.507	3.500
9	2027	3.507	3.507	3.507	3.507	3.483	3.541	3.507	3.460	3.463	3.499	3.506	3.506	3.499
10	2028	3.506	3.506	3.506	3.506	3.482	3.542	3.506	3.459	3.462	3.499	3.505	3.505	3.499
11	2029	3.505	3.505	3.505	3.505	3.481	3.541	3.506	3.457	3.458	3.493	3.498	3.495	3.496
12	2030	3.492	3.490	3.486	3.483	3.455	3.536	3.501	3.448	3.446	3.478	3.479	3.474	3.481
13	2031	3.468	3.463	3.458	3.453	3.423	3.531	3.499	3.446	3.443	3.475	3.476	3.470	3.467
14	2032	3.465	3.459	3.454	3.448	3.419	3.530	3.499	3.446	3.443	3.474	3.475	3.471	3.465
15	2033	3.469	3.469	3.469	3.469	3.446	3.536	3.505	3.457	3.460	3.497	3.503	3.503	3.482
16	2034	3.503	3.503	3.503	3.503	3.479	3.541	3.505	3.457	3.459	3.496	3.503	3.503	3.496
17	2035	3.503	3.503	3.503	3.503	3.479	3.542	3.506	3.458	3.461	3.499	3.506	3.506	3.497
18	2036	3.506	3.506	3.506	3.506	3.482	3.542	3.506	3.458	3.461	3.499	3.506	3.506	3.499
19	2037	3.506	3.506	3.506	3.506	3.482	3.542	3.505	3.458	3.461	3.499	3.506	3.506	3.498
20	2038	3.506	3.506	3.506	3.506	3.481	3.542	3.505	3.457	3.460	3.498	3.505	3.505	3.498
21	2039	3.505	3.505	3.505	3.505	3.481	3.542	3.505	3.457	3.460	3.498	3.505	3.505	3.498
22	2040	3.505	3.505	3.505	3.505	3.480	3.542	3.505	3.456	3.459	3.497	3.505	3.505	3.497

Reference: Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4).

Note: The Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4) incorporates the effects of climate change (Volume 1, Annex V1-7, Package P5-1) on streamflows.

Table R-5. Simulated Project-affected Volume of Wolverine Lake under 1-in-20-Year Dry Runoff Conditions (Mm³)

Project Year	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
0	2018	3.434	3.434	3.434	3.434	3.414	3.485	3.426	3.384	3.377	3.432	3.435	3.435	3.427
1	2019	3.435	3.435	3.435	3.435	3.418	3.506	3.434	3.380	3.380	3.424	3.433	3.433	3.429
2	2020	3.433	3.433	3.433	3.433	3.435	3.508	3.425	3.382	3.376	3.407	3.429	3.429	3.427
3	2021	3.429	3.429	3.429	3.429	3.409	3.486	3.425	3.381	3.379	3.407	3.433	3.433	3.422
4	2022	3.433	3.433	3.433	3.433	3.411	3.506	3.427	3.379	3.378	3.422	3.431	3.431	3.426
5	2023	3.431	3.431	3.431	3.431	3.412	3.484	3.423	3.381	3.374	3.424	3.433	3.431	3.424
6	2024	3.431	3.431	3.431	3.431	3.424	3.504	3.433	3.371	3.373	3.399	3.426	3.426	3.423
7	2025	3.426	3.426	3.426	3.426	3.408	3.487	3.423	3.381	3.372	3.424	3.429	3.429	3.421
8	2026	3.429	3.429	3.429	3.429	3.422	3.488	3.427	3.374	3.378	3.419	3.428	3.428	3.423
9	2027	3.428	3.428	3.428	3.428	3.443	3.505	3.421	3.373	3.368	3.410	3.430	3.430	3.424
10	2028	3.430	3.430	3.430	3.430	3.409	3.496	3.422	3.373	3.369	3.397	3.424	3.424	3.419
11	2029	3.424	3.424	3.424	3.424	3.421	3.488	3.425	3.370	3.369	3.416	3.419	3.417	3.418
12	2030	3.414	3.411	3.408	3.404	3.379	3.476	3.413	3.355	3.355	3.373	3.394	3.389	3.397
13	2031	3.384	3.379	3.373	3.368	3.347	3.428	3.402	3.347	3.321	3.370	3.381	3.375	3.373
14	2032	3.370	3.364	3.359	3.353	3.360	3.427	3.378	3.342	3.339	3.367	3.375	3.370	3.367
15	2033	3.369	3.369	3.369	3.369	3.367	3.454	3.412	3.368	3.361	3.401	3.406	3.406	3.388
16	2034	3.406	3.406	3.406	3.406	3.414	3.502	3.424	3.364	3.369	3.391	3.422	3.422	3.411
17	2035	3.422	3.422	3.422	3.422	3.400	3.490	3.418	3.372	3.358	3.422	3.428	3.428	3.417
18	2036	3.428	3.428	3.428	3.428	3.425	3.502	3.419	3.369	3.358	3.419	3.423	3.423	3.421
19	2037	3.423	3.423	3.423	3.423	3.442	3.502	3.428	3.363	3.369	3.392	3.423	3.421	3.419
20	2038	3.421	3.421	3.421	3.421	3.410	3.502	3.418	3.366	3.368	3.392	3.422	3.422	3.415
21	2039	3.422	3.422	3.422	3.422	3.410	3.501	3.409	3.367	3.368	3.391	3.422	3.422	3.415
22	2040	3.422	3.422	3.422	3.422	3.411	3.506	3.417	3.368	3.355	3.420	3.423	3.423	3.417

Reference: Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4).

Note: The Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4) incorporates the effects of climate change (Volume 1, Annex V1-7, Package P5-1) on streamflows.

Table R-6. Simulated Project-affected Volume of Wolverine Lake under 1-in-20-Year Wet Runoff Conditions (Mm³)

Project Year	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
0	2018	3.569	3.569	3.569	3.569	3.561	3.554	3.525	3.537	3.563	3.569	3.569	3.569	3.560
1	2019	3.569	3.569	3.569	3.569	3.558	3.556	3.524	3.546	3.564	3.568	3.569	3.569	3.561
2	2020	3.569	3.569	3.569	3.569	3.559	3.558	3.525	3.545	3.561	3.569	3.569	3.569	3.561
3	2021	3.569	3.569	3.569	3.569	3.561	3.558	3.517	3.519	3.560	3.567	3.569	3.569	3.558
4	2022	3.569	3.569	3.569	3.569	3.558	3.558	3.522	3.536	3.562	3.569	3.569	3.569	3.560
5	2023	3.569	3.569	3.569	3.569	3.562	3.555	3.520	3.546	3.560	3.568	3.569	3.569	3.560
6	2024	3.569	3.569	3.569	3.569	3.561	3.556	3.522	3.534	3.562	3.568	3.569	3.569	3.560
7	2025	3.569	3.569	3.569	3.569	3.561	3.553	3.521	3.544	3.560	3.568	3.569	3.569	3.560
8	2026	3.569	3.569	3.569	3.569	3.561	3.556	3.519	3.533	3.561	3.569	3.569	3.569	3.559
9	2027	3.569	3.569	3.569	3.569	3.562	3.555	3.521	3.545	3.559	3.569	3.569	3.569	3.560
10	2028	3.569	3.569	3.569	3.569	3.562	3.553	3.515	3.532	3.566	3.569	3.569	3.569	3.559
11	2029	3.569	3.569	3.569	3.569	3.561	3.556	3.517	3.530	3.558	3.567	3.567	3.565	3.558
12	2030	3.562	3.559	3.556	3.552	3.554	3.553	3.513	3.541	3.553	3.568	3.566	3.560	3.553
13	2031	3.555	3.550	3.544	3.539	3.540	3.552	3.510	3.545	3.556	3.566	3.565	3.559	3.548
14	2032	3.553	3.548	3.543	3.537	3.549	3.553	3.510	3.538	3.556	3.567	3.565	3.560	3.548
15	2033	3.559	3.559	3.559	3.559	3.556	3.550	3.514	3.504	3.559	3.568	3.569	3.569	3.552
16	2034	3.569	3.569	3.569	3.569	3.562	3.552	3.513	3.529	3.559	3.568	3.569	3.569	3.558
17	2035	3.569	3.569	3.569	3.569	3.562	3.551	3.517	3.545	3.559	3.569	3.569	3.569	3.560
18	2036	3.569	3.569	3.569	3.569	3.563	3.552	3.513	3.526	3.559	3.568	3.569	3.569	3.558
19	2037	3.569	3.569	3.569	3.569	3.562	3.553	3.520	3.524	3.559	3.569	3.569	3.569	3.558
20	2038	3.569	3.569	3.569	3.569	3.563	3.551	3.512	3.545	3.559	3.568	3.569	3.569	3.559
21	2039	3.569	3.569	3.569	3.569	3.562	3.551	3.519	3.523	3.559	3.568	3.569	3.569	3.558
22	2040	3.569	3.569	3.569	3.569	3.563	3.547	3.518	3.543	3.559	3.568	3.569	3.569	3.559

Reference: Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4).

Note: The Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4) incorporates the effects of climate change (Volume 1, Annex V1-7, Package P5-1) on streamflows.

Table R-7. Simulated Project-affected Volume of Patch Lake under Average Runoff Conditions (Mm³)

Project Year	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
0	2018	31.890	31.890	31.890	31.890	31.780	32.850	32.310	31.810	31.680	31.850	31.900	31.900	31.969
1	2019	31.900	31.900	31.900	31.900	31.790	32.860	32.310	31.810	31.690	31.850	31.900	31.900	31.975
2	2020	31.900	31.900	31.900	31.900	31.790	32.870	32.310	31.810	31.680	31.850	31.900	31.900	31.975
3	2021	31.900	31.900	31.900	31.900	31.790	32.860	32.300	31.800	31.660	31.820	31.860	31.840	31.960
4	2022	31.830	31.810	31.790	31.780	31.650	32.760	32.250	31.760	31.630	31.780	31.800	31.780	31.884
5	2023	31.750	31.720	31.690	31.660	31.520	32.660	32.200	31.720	31.600	31.750	31.770	31.740	31.815
6	2024	31.710	31.680	31.640	31.610	31.470	32.630	32.180	31.710	31.590	31.750	31.770	31.730	31.789
7	2025	31.700	31.670	31.640	31.610	31.460	32.630	32.180	31.710	31.590	31.740	31.760	31.730	31.785
8	2026	31.700	31.670	31.640	31.610	31.460	32.630	32.170	31.700	31.590	31.740	31.760	31.730	31.783
9	2027	31.700	31.670	31.640	31.600	31.460	32.630	32.170	31.700	31.580	31.740	31.760	31.730	31.781
10	2028	31.700	31.670	31.630	31.600	31.460	32.640	32.170	31.700	31.580	31.740	31.760	31.730	31.781
11	2029	31.700	31.670	31.640	31.600	31.460	32.640	32.170	31.690	31.570	31.730	31.740	31.700	31.775
12	2030	31.660	31.620	31.580	31.540	31.390	32.570	32.130	31.670	31.550	31.710	31.720	31.680	31.735
13	2031	31.640	31.600	31.560	31.520	31.370	32.540	32.110	31.650	31.540	31.700	31.710	31.680	31.718
14	2032	31.660	31.650	31.640	31.630	31.510	32.670	32.190	31.730	31.620	31.800	31.840	31.830	31.814
15	2033	31.830	31.830	31.830	31.830	31.720	32.830	32.260	31.780	31.660	31.840	31.900	31.900	31.934
16	2034	31.900	31.900	31.900	31.900	31.790	32.900	32.290	31.790	31.670	31.850	31.900	31.900	31.973
17	2035	31.900	31.900	31.900	31.900	31.790	32.910	32.290	31.790	31.670	31.850	31.910	31.910	31.976
18	2036	31.910	31.910	31.910	31.910	31.800	32.920	32.290	31.800	31.680	31.850	31.910	31.910	31.983
19	2037	31.910	31.910	31.910	31.910	31.800	32.920	32.290	31.790	31.670	31.850	31.910	31.910	31.981
20	2038	31.910	31.910	31.910	31.910	31.800	32.920	32.290	31.790	31.670	31.850	31.910	31.910	31.981
21	2039	31.910	31.910	31.910	31.910	31.800	32.930	32.290	31.790	31.670	31.850	31.910	31.910	31.982
22	2040	31.910	31.910	31.910	31.910	31.800	32.930	32.290	31.790	31.670	31.850	31.910	31.910	31.982

Reference: Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4).

Note: The Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4) incorporates the effects of climate change (Volume 1, Annex V1-7, Package P5-1) on streamflows.

Table R-8. Simulated Project-affected Volume of Patch Lake under 1-in-20-Year Dry Runoff Conditions (Mm³)

Project Year	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
0	2018	31.600	31.600	31.600	31.600	31.590	32.280	31.700	31.370	31.360	31.560	31.610	31.610	31.623
1	2019	31.610	31.610	31.610	31.610	31.590	32.350	31.760	31.440	31.380	31.500	31.600	31.600	31.638
2	2020	31.600	31.600	31.600	31.600	31.670	32.420	31.780	31.410	31.360	31.550	31.600	31.600	31.649
3	2021	31.600	31.600	31.600	31.600	31.580	32.300	31.680	31.350	31.360	31.470	31.570	31.550	31.604
4	2022	31.530	31.520	31.500	31.480	31.500	32.240	31.640	31.300	31.310	31.420	31.510	31.490	31.536
5	2023	31.460	31.430	31.400	31.370	31.370	32.100	31.530	31.260	31.270	31.410	31.460	31.420	31.456
6	2024	31.390	31.360	31.330	31.300	31.370	32.090	31.520	31.250	31.260	31.360	31.480	31.450	31.429
7	2025	31.410	31.380	31.350	31.320	31.290	32.080	31.570	31.320	31.250	31.360	31.440	31.410	31.431
8	2026	31.380	31.350	31.310	31.280	31.270	32.080	31.500	31.230	31.250	31.420	31.470	31.440	31.414
9	2027	31.410	31.380	31.350	31.310	31.450	32.080	31.570	31.240	31.250	31.360	31.440	31.410	31.437
10	2028	31.370	31.340	31.310	31.280	31.290	32.150	31.500	31.250	31.250	31.400	31.440	31.410	31.415
11	2029	31.370	31.340	31.310	31.280	31.280	32.080	31.580	31.290	31.240	31.410	31.440	31.400	31.418
12	2030	31.360	31.320	31.280	31.240	31.230	32.000	31.470	31.190	31.210	31.320	31.420	31.370	31.367
13	2031	31.330	31.290	31.250	31.210	31.200	32.040	31.400	31.180	31.190	31.330	31.400	31.360	31.348
14	2032	31.340	31.330	31.330	31.320	31.340	32.100	31.530	31.270	31.290	31.420	31.550	31.540	31.446
15	2033	31.540	31.540	31.540	31.540	31.570	32.350	31.620	31.360	31.330	31.530	31.590	31.590	31.591
16	2034	31.590	31.590	31.590	31.590	31.720	32.480	31.770	31.350	31.370	31.500	31.650	31.650	31.653
17	2035	31.650	31.650	31.650	31.650	31.590	32.280	31.660	31.390	31.330	31.530	31.640	31.640	31.637
18	2036	31.640	31.640	31.640	31.640	31.680	32.460	31.750	31.450	31.330	31.540	31.600	31.600	31.663
19	2037	31.600	31.600	31.600	31.600	31.740	32.360	31.660	31.360	31.370	31.500	31.650	31.650	31.640
20	2038	31.650	31.650	31.650	31.650	31.670	32.480	31.760	31.350	31.370	31.540	31.600	31.600	31.663
21	2039	31.600	31.600	31.600	31.600	31.650	32.360	31.610	31.360	31.370	31.540	31.680	31.680	31.637
22	2040	31.680	31.680	31.680	31.680	31.740	32.380	31.670	31.400	31.330	31.580	31.620	31.620	31.671

Reference: Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4).

Note: The Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4) incorporates the effects of climate change (Volume 1, Annex V1-7, Package P5-1) on streamflows.

Table R-9. Simulated Project-affected Volume of Patch Lake under 1-in-20-Year Wet Runoff Conditions (Mm³)

Project Year	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
0	2018	32.620	32.620	32.620	32.620	33.230	33.620	32.560	32.330	32.190	32.480	32.710	32.710	32.692
1	2019	32.710	32.710	32.710	32.710	33.250	33.630	32.560	32.280	32.370	32.490	32.730	32.730	32.739
2	2020	32.730	32.730	32.730	32.730	32.990	33.660	32.730	32.330	32.370	32.500	32.890	32.890	32.772
3	2021	32.890	32.890	32.890	32.890	33.290	33.830	32.550	32.250	32.170	32.290	32.570	32.560	32.754
4	2022	32.540	32.530	32.510	32.490	32.800	33.550	32.550	32.230	32.140	32.440	32.650	32.620	32.587
5	2023	32.590	32.560	32.540	32.500	32.720	33.530	32.460	32.250	32.320	32.410	32.490	32.460	32.568
6	2024	32.430	32.400	32.370	32.340	32.720	33.520	32.510	32.230	32.110	32.420	32.600	32.570	32.518
7	2025	32.540	32.500	32.470	32.440	32.730	33.550	32.490	32.200	32.310	32.420	32.610	32.580	32.569
8	2026	32.550	32.520	32.490	32.450	32.710	33.530	32.490	32.220	32.110	32.420	32.600	32.570	32.554
9	2027	32.530	32.500	32.470	32.440	33.120	33.470	32.500	32.180	32.310	32.410	32.650	32.620	32.600
10	2028	32.580	32.550	32.520	32.490	32.790	33.570	32.490	32.220	32.320	32.440	32.630	32.600	32.599
11	2029	32.570	32.530	32.500	32.470	32.810	33.470	32.610	32.160	32.090	32.370	32.460	32.430	32.538
12	2030	32.380	32.350	32.310	32.270	33.100	33.490	32.470	32.170	32.290	32.390	32.590	32.550	32.530
13	2031	32.510	32.470	32.430	32.380	32.680	33.450	32.390	32.290	32.290	32.340	32.540	32.500	32.521
14	2032	32.490	32.480	32.470	32.460	33.240	33.590	32.510	32.190	32.140	32.440	32.670	32.660	32.612
15	2033	32.660	32.660	32.660	32.660	33.240	33.710	32.540	32.230	32.160	32.490	32.710	32.710	32.702
16	2034	32.710	32.710	32.710	32.710	33.540	33.740	32.540	32.230	32.170	32.470	32.630	32.630	32.732
17	2035	32.630	32.630	32.630	32.630	33.370	33.660	32.510	32.280	32.280	32.520	32.770	32.770	32.723
18	2036	32.770	32.770	32.770	32.770	33.410	33.800	32.540	32.280	32.380	32.470	32.720	32.720	32.782
19	2037	32.720	32.720	32.720	32.720	33.580	33.780	32.540	32.270	32.170	32.510	32.750	32.750	32.769
20	2038	32.750	32.750	32.750	32.750	33.420	33.770	32.510	32.280	32.280	32.520	32.750	32.750	32.772
21	2039	32.750	32.750	32.750	32.750	33.370	33.690	32.580	32.290	32.170	32.520	32.750	32.750	32.759
22	2040	32.750	32.750	32.750	32.750	33.470	33.760	32.520	32.270	32.190	32.510	32.750	32.750	32.767

Reference: Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4).

Note: The Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4) incorporates the effects of climate change (Volume 1, Annex V1-7, Package P5-1) on streamflows.

Table R-10. Simulated Project-affected Volume of PO Lake under Average Runoff Conditions (Mm³)

Project Year	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
0	2018	1.540	1.540	1.540	1.540	1.526	1.592	1.541	1.511	1.505	1.531	1.540	1.540	1.537
1	2019	1.540	1.540	1.540	1.540	1.526	1.593	1.541	1.511	1.505	1.532	1.541	1.541	1.537
2	2020	1.541	1.541	1.541	1.541	1.527	1.593	1.541	1.511	1.505	1.532	1.541	1.541	1.538
3	2021	1.541	1.541	1.541	1.541	1.527	1.593	1.541	1.510	1.504	1.530	1.540	1.540	1.537
4	2022	1.540	1.540	1.540	1.540	1.525	1.588	1.537	1.508	1.502	1.529	1.538	1.538	1.535
5	2023	1.538	1.538	1.538	1.538	1.524	1.583	1.534	1.506	1.501	1.527	1.537	1.537	1.533
6	2024	1.537	1.537	1.537	1.537	1.522	1.581	1.533	1.505	1.500	1.527	1.536	1.536	1.532
7	2025	1.536	1.536	1.536	1.536	1.522	1.581	1.533	1.505	1.500	1.527	1.536	1.536	1.532
8	2026	1.536	1.536	1.536	1.536	1.522	1.580	1.533	1.505	1.500	1.527	1.536	1.536	1.532
9	2027	1.536	1.536	1.536	1.536	1.522	1.580	1.533	1.504	1.500	1.527	1.536	1.536	1.532
10	2028	1.536	1.536	1.536	1.536	1.522	1.581	1.533	1.504	1.500	1.527	1.537	1.537	1.532
11	2029	1.537	1.537	1.537	1.537	1.523	1.581	1.532	1.504	1.499	1.527	1.536	1.536	1.532
12	2030	1.536	1.536	1.536	1.536	1.522	1.578	1.530	1.502	1.498	1.526	1.535	1.535	1.531
13	2031	1.535	1.535	1.535	1.535	1.521	1.576	1.529	1.502	1.498	1.525	1.535	1.535	1.530
14	2032	1.535	1.535	1.535	1.535	1.521	1.582	1.533	1.506	1.502	1.529	1.539	1.539	1.532
15	2033	1.539	1.539	1.539	1.539	1.525	1.591	1.538	1.509	1.504	1.532	1.541	1.541	1.536
16	2034	1.541	1.541	1.541	1.541	1.527	1.595	1.540	1.510	1.505	1.532	1.542	1.542	1.538
17	2035	1.542	1.542	1.542	1.542	1.528	1.595	1.540	1.510	1.505	1.532	1.542	1.542	1.538
18	2036	1.542	1.542	1.542	1.542	1.528	1.596	1.540	1.510	1.505	1.533	1.543	1.543	1.539
19	2037	1.543	1.543	1.543	1.543	1.528	1.596	1.540	1.510	1.505	1.533	1.543	1.543	1.539
20	2038	1.543	1.543	1.543	1.543	1.528	1.596	1.540	1.510	1.505	1.533	1.543	1.543	1.539
21	2039	1.543	1.543	1.543	1.543	1.528	1.596	1.540	1.510	1.505	1.533	1.543	1.543	1.539
22	2040	1.543	1.543	1.543	1.543	1.528	1.597	1.540	1.510	1.505	1.533	1.543	1.543	1.539

Reference: Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4).

Note: The Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4) incorporates the effects of climate change (Volume 1, Annex V1-7, Package P5-1) on streamflows.

Table R-11. Simulated Project-affected Volume of PO Lake under 1-in-20-Year Dry Runoff Conditions (Mm³)

Project Year	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
0	2018	1.512	1.512	1.512	1.512	1.513	1.549	1.499	1.481	1.484	1.507	1.516	1.516	1.509
1	2019	1.516	1.516	1.516	1.516	1.515	1.549	1.506	1.487	1.486	1.508	1.509	1.509	1.511
2	2020	1.509	1.509	1.509	1.509	1.536	1.561	1.505	1.487	1.481	1.506	1.511	1.511	1.511
3	2021	1.511	1.511	1.511	1.511	1.517	1.548	1.499	1.482	1.485	1.506	1.515	1.515	1.509
4	2022	1.515	1.515	1.515	1.515	1.526	1.542	1.494	1.479	1.483	1.503	1.511	1.511	1.509
5	2023	1.511	1.511	1.511	1.511	1.519	1.539	1.496	1.479	1.476	1.502	1.511	1.511	1.506
6	2024	1.511	1.511	1.511	1.511	1.523	1.539	1.490	1.476	1.476	1.503	1.513	1.513	1.506
7	2025	1.513	1.513	1.513	1.513	1.525	1.537	1.494	1.481	1.476	1.501	1.507	1.507	1.507
8	2026	1.507	1.507	1.507	1.507	1.520	1.535	1.487	1.473	1.480	1.501	1.510	1.510	1.504
9	2027	1.510	1.510	1.510	1.510	1.520	1.535	1.494	1.475	1.475	1.502	1.503	1.503	1.504
10	2028	1.503	1.503	1.503	1.503	1.528	1.538	1.487	1.479	1.476	1.500	1.506	1.506	1.503
11	2029	1.506	1.506	1.506	1.506	1.520	1.539	1.494	1.478	1.479	1.501	1.510	1.510	1.505
12	2030	1.510	1.510	1.510	1.510	1.527	1.534	1.483	1.473	1.474	1.500	1.519	1.519	1.506
13	2031	1.519	1.519	1.519	1.519	1.520	1.535	1.486	1.474	1.475	1.499	1.504	1.504	1.506
14	2032	1.504	1.504	1.504	1.504	1.528	1.540	1.491	1.478	1.478	1.503	1.508	1.508	1.504
15	2033	1.508	1.508	1.508	1.508	1.528	1.551	1.502	1.483	1.479	1.507	1.517	1.517	1.510
16	2034	1.517	1.517	1.517	1.517	1.532	1.557	1.504	1.482	1.486	1.506	1.512	1.512	1.513
17	2035	1.512	1.512	1.512	1.512	1.526	1.554	1.496	1.486	1.480	1.508	1.527	1.527	1.513
18	2036	1.527	1.527	1.527	1.527	1.532	1.556	1.505	1.487	1.483	1.506	1.512	1.512	1.517
19	2037	1.512	1.512	1.512	1.512	1.534	1.557	1.498	1.482	1.486	1.510	1.523	1.523	1.513
20	2038	1.523	1.523	1.523	1.523	1.533	1.557	1.506	1.482	1.486	1.507	1.518	1.518	1.516
21	2039	1.518	1.518	1.518	1.518	1.533	1.549	1.498	1.482	1.486	1.507	1.529	1.529	1.515
22	2040	1.529	1.529	1.529	1.529	1.539	1.559	1.503	1.485	1.480	1.513	1.523	1.523	1.520

Reference: Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4).

Note: The Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4) incorporates the effects of climate change (Volume 1, Annex V1-7, Package P5-1) on streamflows.

Table R-12. Simulated Project-affected Volume of PO Lake under 1-in-20-Year Wet Runoff Conditions (Mm³)

Project Year	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
0	2018	1.656	1.656	1.656	1.656	1.734	1.644	1.561	1.549	1.539	1.602	1.669	1.669	1.632
1	2019	1.669	1.669	1.669	1.669	1.736	1.647	1.561	1.548	1.549	1.609	1.663	1.663	1.637
2	2020	1.663	1.663	1.663	1.663	1.748	1.650	1.569	1.550	1.548	1.612	1.681	1.681	1.641
3	2021	1.681	1.681	1.681	1.681	1.742	1.651	1.558	1.543	1.536	1.588	1.650	1.650	1.637
4	2022	1.650	1.650	1.650	1.650	1.734	1.643	1.558	1.546	1.537	1.601	1.676	1.676	1.631
5	2023	1.676	1.676	1.676	1.676	1.740	1.643	1.554	1.545	1.545	1.604	1.658	1.658	1.637
6	2024	1.658	1.658	1.658	1.658	1.751	1.640	1.555	1.543	1.537	1.603	1.651	1.651	1.630
7	2025	1.651	1.651	1.651	1.651	1.749	1.641	1.555	1.544	1.535	1.601	1.675	1.675	1.631
8	2026	1.675	1.675	1.675	1.675	1.754	1.641	1.554	1.543	1.544	1.600	1.650	1.650	1.636
9	2027	1.650	1.650	1.650	1.650	1.744	1.639	1.556	1.543	1.535	1.613	1.692	1.692	1.634
10	2028	1.692	1.692	1.692	1.692	1.766	1.641	1.555	1.544	1.544	1.600	1.676	1.676	1.647
11	2029	1.676	1.676	1.676	1.676	1.750	1.649	1.560	1.537	1.531	1.603	1.652	1.652	1.636
12	2030	1.652	1.652	1.652	1.652	1.758	1.638	1.554	1.541	1.534	1.599	1.675	1.675	1.632
13	2031	1.675	1.675	1.675	1.675	1.749	1.635	1.546	1.547	1.545	1.598	1.657	1.657	1.636
14	2032	1.657	1.657	1.657	1.657	1.781	1.642	1.555	1.546	1.539	1.607	1.679	1.679	1.638
15	2033	1.679	1.679	1.679	1.679	1.764	1.647	1.558	1.541	1.539	1.608	1.682	1.682	1.645
16	2034	1.682	1.682	1.682	1.682	1.784	1.652	1.558	1.542	1.536	1.591	1.660	1.661	1.642
17	2035	1.661	1.661	1.661	1.661	1.761	1.649	1.557	1.550	1.540	1.619	1.683	1.683	1.640
18	2036	1.683	1.683	1.683	1.683	1.800	1.660	1.558	1.542	1.545	1.606	1.662	1.665	1.647
19	2037	1.665	1.665	1.665	1.665	1.791	1.653	1.558	1.541	1.540	1.593	1.673	1.676	1.640
20	2038	1.676	1.676	1.676	1.676	1.775	1.649	1.557	1.550	1.548	1.606	1.678	1.682	1.646
21	2039	1.682	1.682	1.682	1.682	1.768	1.650	1.561	1.541	1.544	1.606	1.669	1.669	1.644
22	2040	1.669	1.669	1.669	1.669	1.784	1.648	1.558	1.550	1.542	1.610	1.685	1.685	1.645

Reference: Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4).

Note: The Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4) incorporates the effects of climate change (Volume 1, Annex V1-7, Package P5-1) on streamflows.

Table R-13. Simulated Project-affected Volume of Ogama Lake under Average Runoff Conditions (Mm³)

Project Year	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
0	2018	5.438	5.438	5.438	5.438	5.409	5.625	5.284	5.193	5.175	5.372	5.439	5.439	5.390
1	2019	5.439	5.439	5.439	5.439	5.411	5.626	5.284	5.194	5.176	5.374	5.442	5.442	5.391
2	2020	5.442	5.442	5.442	5.442	5.413	5.626	5.284	5.194	5.176	5.374	5.442	5.442	5.393
3	2021	5.442	5.442	5.442	5.442	5.414	5.625	5.283	5.192	5.174	5.373	5.441	5.441	5.392
4	2022	5.441	5.441	5.441	5.441	5.412	5.616	5.275	5.187	5.170	5.370	5.438	5.438	5.388
5	2023	5.438	5.438	5.438	5.438	5.409	5.606	5.268	5.183	5.167	5.367	5.436	5.436	5.385
6	2024	5.436	5.436	5.436	5.436	5.407	5.603	5.265	5.181	5.166	5.367	5.436	5.436	5.383
7	2025	5.436	5.436	5.436	5.436	5.407	5.602	5.265	5.181	5.166	5.368	5.437	5.437	5.383
8	2026	5.437	5.437	5.437	5.437	5.407	5.595	5.264	5.181	5.166	5.368	5.437	5.437	5.383
9	2027	5.437	5.437	5.437	5.437	5.408	5.595	5.264	5.181	5.166	5.368	5.438	5.438	5.383
10	2028	5.438	5.438	5.438	5.438	5.412	5.598	5.264	5.181	5.166	5.370	5.440	5.440	5.385
11	2029	5.440	5.440	5.440	5.440	5.414	5.598	5.264	5.180	5.166	5.369	5.440	5.440	5.385
12	2030	5.440	5.440	5.440	5.440	5.414	5.592	5.258	5.177	5.163	5.368	5.439	5.439	5.383
13	2031	5.439	5.439	5.439	5.439	5.413	5.588	5.255	5.175	5.163	5.368	5.439	5.439	5.382
14	2032	5.439	5.439	5.439	5.439	5.413	5.599	5.266	5.184	5.171	5.376	5.446	5.446	5.387
15	2033	5.446	5.446	5.446	5.446	5.420	5.615	5.278	5.191	5.176	5.380	5.451	5.451	5.395
16	2034	5.451	5.451	5.451	5.451	5.425	5.621	5.282	5.193	5.177	5.382	5.453	5.453	5.398
17	2035	5.453	5.453	5.453	5.453	5.426	5.622	5.283	5.194	5.178	5.382	5.453	5.453	5.400
18	2036	5.453	5.453	5.453	5.453	5.427	5.622	5.283	5.194	5.178	5.384	5.456	5.456	5.400
19	2037	5.456	5.456	5.456	5.456	5.429	5.621	5.283	5.194	5.178	5.384	5.456	5.456	5.401
20	2038	5.456	5.456	5.456	5.456	5.430	5.621	5.283	5.194	5.178	5.385	5.457	5.457	5.402
21	2039	5.457	5.457	5.457	5.457	5.430	5.622	5.283	5.194	5.178	5.385	5.458	5.458	5.402
22	2040	5.458	5.458	5.458	5.458	5.431	5.623	5.283	5.194	5.178	5.386	5.458	5.458	5.403

Reference: Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4).

Note: The Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4) incorporates the effects of climate change (Volume 1, Annex V1-7, Package P5-1) on streamflows.

Table R-14. Simulated Project-affected Volume of Ogama Lake under 1-in-20-Year Dry Runoff Conditions (Mm³)

Project Year	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
0	2018	5.212	5.212	5.212	5.212	5.306	5.380	5.107	5.065	5.063	5.209	5.238	5.238	5.204
1	2019	5.238	5.238	5.238	5.238	5.378	5.352	5.119	5.067	5.074	5.228	5.235	5.235	5.220
2	2020	5.235	5.235	5.235	5.235	5.440	5.379	5.115	5.066	5.037	5.196	5.214	5.214	5.217
3	2021	5.214	5.214	5.214	5.214	5.344	5.363	5.112	5.085	5.060	5.202	5.227	5.227	5.206
4	2022	5.227	5.227	5.227	5.227	5.372	5.350	5.097	5.056	5.058	5.204	5.249	5.249	5.212
5	2023	5.249	5.249	5.249	5.249	5.379	5.353	5.082	5.043	5.049	5.204	5.226	5.226	5.213
6	2024	5.226	5.226	5.226	5.226	5.372	5.331	5.090	5.047	5.054	5.188	5.236	5.236	5.205
7	2025	5.236	5.236	5.236	5.236	5.397	5.333	5.079	5.081	5.047	5.195	5.203	5.203	5.207
8	2026	5.203	5.203	5.203	5.203	5.358	5.348	5.088	5.046	5.063	5.203	5.265	5.265	5.204
9	2027	5.265	5.265	5.265	5.265	5.359	5.305	5.075	5.040	5.048	5.204	5.226	5.226	5.211
10	2028	5.226	5.226	5.226	5.226	5.450	5.346	5.079	5.049	5.047	5.201	5.204	5.204	5.207
11	2029	5.204	5.204	5.204	5.204	5.359	5.329	5.094	5.049	5.046	5.202	5.237	5.237	5.197
12	2030	5.237	5.237	5.237	5.237	5.437	5.321	5.080	5.042	5.050	5.203	5.263	5.263	5.217
13	2031	5.263	5.263	5.263	5.263	5.358	5.334	5.063	5.032	5.041	5.196	5.222	5.222	5.210
14	2032	5.222	5.222	5.222	5.222	5.471	5.327	5.089	5.050	5.058	5.204	5.246	5.246	5.215
15	2033	5.246	5.246	5.246	5.246	5.384	5.345	5.102	5.059	5.033	5.205	5.252	5.252	5.218
16	2034	5.252	5.252	5.252	5.252	5.389	5.377	5.118	5.056	5.090	5.172	5.217	5.217	5.220
17	2035	5.217	5.217	5.217	5.217	5.380	5.354	5.104	5.055	5.059	5.209	5.283	5.283	5.216
18	2036	5.283	5.283	5.283	5.283	5.463	5.352	5.115	5.077	5.060	5.205	5.219	5.219	5.237
19	2037	5.219	5.219	5.219	5.219	5.471	5.363	5.111	5.057	5.064	5.246	5.327	5.327	5.237
20	2038	5.327	5.327	5.327	5.327	5.485	5.354	5.113	5.065	5.060	5.208	5.299	5.299	5.265
21	2039	5.299	5.299	5.299	5.299	5.463	5.332	5.102	5.054	5.074	5.208	5.335	5.335	5.258
22	2040	5.335	5.335	5.335	5.335	5.506	5.352	5.110	5.066	5.064	5.216	5.310	5.310	5.272

Reference: Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4).

Note: The Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4) incorporates the effects of climate change (Volume 1, Annex V1-7, Package P5-1) on streamflows.

Table R-15. Simulated Project-affected Volume of Ogama Lake under 1-in-20-Year Wet Runoff Conditions (Mm³)

Project Year	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
0	2018	5.985	5.985	5.985	5.985	6.128	5.764	5.360	5.387	5.317	5.718	6.012	6.012	5.802
1	2019	6.012	6.012	6.012	6.012	6.134	5.765	5.365	5.400	5.325	5.773	5.995	5.995	5.816
2	2020	5.995	5.995	5.995	5.995	6.011	5.762	5.380	5.399	5.326	5.761	6.074	6.074	5.813
3	2021	6.074	6.074	6.074	6.074	6.125	5.743	5.358	5.372	5.308	5.663	5.943	5.943	5.811
4	2022	5.943	5.943	5.943	5.943	6.010	5.818	5.368	5.399	5.354	5.662	5.997	5.997	5.780
5	2023	5.997	5.997	5.997	5.997	6.135	5.753	5.350	5.397	5.304	5.706	5.949	5.949	5.793
6	2024	5.949	5.949	5.949	5.949	6.058	5.730	5.351	5.376	5.304	5.751	5.943	5.943	5.770
7	2025	5.943	5.943	5.943	5.943	6.053	5.710	5.350	5.390	5.320	5.662	5.999	5.999	5.770
8	2026	5.999	5.999	5.999	5.999	6.142	5.746	5.350	5.376	5.303	5.632	5.914	5.914	5.780
9	2027	5.914	5.914	5.914	5.914	6.044	5.755	5.349	5.390	5.321	5.752	6.035	6.035	5.777
10	2028	6.035	6.035	6.035	6.035	6.178	5.698	5.350	5.396	5.321	5.674	6.001	6.001	5.812
11	2029	6.001	6.001	6.001	6.001	6.025	5.768	5.349	5.343	5.303	5.753	5.946	5.946	5.785
12	2030	5.946	5.946	5.946	5.946	6.145	5.741	5.348	5.388	5.351	5.664	6.002	6.002	5.784
13	2031	6.002	6.002	6.002	6.002	6.039	5.686	5.344	5.362	5.318	5.700	5.954	5.954	5.779
14	2032	5.954	5.954	5.954	5.954	6.143	5.730	5.355	5.395	5.325	5.741	5.999	5.999	5.791
15	2033	5.999	5.999	5.999	5.999	6.103	5.700	5.358	5.372	5.311	5.744	6.000	6.000	5.798
16	2034	6.000	6.000	6.000	6.000	6.150	5.750	5.360	5.372	5.311	5.643	5.912	5.928	5.784
17	2035	5.928	5.928	5.928	5.928	6.059	5.714	5.365	5.402	5.321	5.746	6.001	6.001	5.776
18	2036	6.001	6.001	6.001	6.001	6.150	5.709	5.366	5.372	5.302	5.715	5.921	5.975	5.792
19	2037	5.975	5.975	5.975	5.975	6.147	5.677	5.365	5.372	5.331	5.685	6.002	6.002	5.789
20	2038	6.002	6.002	6.002	6.002	6.073	5.744	5.362	5.405	5.311	5.646	5.989	5.995	5.793
21	2039	5.995	5.995	5.995	5.995	6.066	5.755	5.366	5.373	5.312	5.676	5.930	5.965	5.784
22	2040	5.965	5.965	5.965	5.965	6.085	5.668	5.367	5.406	5.332	5.687	5.933	6.003	5.777

Reference: Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4).

Note: The Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4) incorporates the effects of climate change (Volume 1, Annex V1-7, Package P5-1) on streamflows.

Table R-16. Simulated Project-affected Volume of Doris Lake under Average Runoff Conditions (Mm³)

Project Year	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
0	2018	29.410	29.370	29.320	29.270	29.150	30.720	30.060	29.820	29.800	29.620	29.390	29.320	29.604
1	2019	29.240	29.160	29.080	29.000	28.850	30.590	30.060	29.810	29.790	29.610	29.380	29.290	29.489
2	2020	29.200	29.110	29.030	28.940	28.790	30.570	30.060	29.820	29.800	29.610	29.390	29.320	29.471
3	2021	29.240	29.170	29.100	29.020	28.880	30.620	30.060	29.830	29.810	29.630	29.430	29.390	29.516
4	2022	29.340	29.300	29.260	29.220	29.110	30.710	30.050	29.820	29.800	29.630	29.420	29.380	29.587
5	2023	29.330	29.280	29.240	29.190	29.080	30.690	30.040	29.810	29.790	29.620	29.410	29.360	29.570
6	2024	29.310	29.260	29.210	29.160	29.050	30.670	30.030	29.810	29.790	29.620	29.410	29.360	29.557
7	2025	29.310	29.260	29.210	29.160	29.050	30.670	30.030	29.810	29.790	29.620	29.410	29.360	29.557
8	2026	29.310	29.260	29.210	29.160	29.050	30.690	30.030	29.800	29.790	29.620	29.410	29.360	29.558
9	2027	29.310	29.260	29.210	29.160	29.050	30.690	30.030	29.800	29.790	29.620	29.410	29.360	29.558
10	2028	29.310	29.260	29.210	29.160	29.050	30.700	30.030	29.800	29.790	29.620	29.410	29.360	29.559
11	2029	29.240	29.050	28.860	28.660	28.400	30.400	30.020	29.800	29.790	29.580	29.260	29.060	29.344
12	2030	28.860	28.670	28.480	28.280	28.030	30.230	30.010	29.800	29.790	29.580	29.260	29.060	29.173
13	2031	28.860	28.670	28.480	28.290	28.030	30.230	30.000	29.790	29.790	29.580	29.270	29.070	29.173
14	2032	28.920	28.830	28.740	28.640	28.480	30.480	30.030	29.820	29.810	29.620	29.360	29.260	29.334
15	2033	29.200	29.180	29.160	29.140	29.060	30.770	30.060	29.830	29.820	29.640	29.430	29.400	29.558
16	2034	29.380	29.360	29.340	29.320	29.240	30.850	30.070	29.840	29.820	29.640	29.430	29.400	29.641
17	2035	29.390	29.390	29.390	29.390	29.330	30.910	30.080	29.860	29.840	29.670	29.460	29.450	29.680
18	2036	29.450	29.450	29.450	29.450	29.390	30.930	30.080	29.860	29.840	29.670	29.460	29.450	29.706
19	2037	29.450	29.450	29.450	29.450	29.390	30.940	30.080	29.860	29.840	29.670	29.460	29.450	29.707
20	2038	29.450	29.450	29.450	29.450	29.390	30.940	30.080	29.860	29.840	29.670	29.460	29.450	29.707
21	2039	29.450	29.450	29.450	29.450	29.390	30.940	30.080	29.860	29.840	29.670	29.450	29.450	29.706
22	2040	29.450	29.450	29.450	29.450	29.390	30.950	30.080	29.860	29.840	29.670	29.450	29.450	29.707

Reference: Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4).

Note: The Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4) incorporates the effects of climate change (Volume 1, Annex V1-7, Package P5-1) on streamflows.

Table R-17. Simulated Project-affected Volume of Doris Lake under 1-in-20-Year Dry Runoff Conditions (Mm³)

Project Year	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
0	2018	29.360	29.320	29.270	29.220	29.120	30.130	29.720	29.570	29.590	29.530	29.350	29.280	29.455
1	2019	29.200	29.120	29.040	28.960	28.840	29.940	29.700	29.590	29.640	29.500	29.340	29.250	29.344
2	2020	29.160	29.070	28.980	28.890	28.780	30.140	29.710	29.560	29.580	29.510	29.350	29.270	29.334
3	2021	29.200	29.120	29.050	28.970	28.850	30.060	29.700	29.580	29.630	29.550	29.380	29.340	29.370
4	2022	29.300	29.250	29.210	29.170	29.100	30.160	29.690	29.600	29.670	29.550	29.380	29.340	29.452
5	2023	29.290	29.250	29.200	29.150	29.070	30.150	29.690	29.560	29.580	29.540	29.370	29.310	29.430
6	2024	29.260	29.210	29.160	29.110	29.060	30.130	29.670	29.540	29.580	29.520	29.370	29.320	29.411
7	2025	29.270	29.220	29.170	29.120	29.040	30.140	29.670	29.620	29.580	29.520	29.370	29.320	29.420
8	2026	29.260	29.220	29.170	29.120	29.040	30.110	29.680	29.550	29.610	29.540	29.370	29.320	29.416
9	2027	29.270	29.220	29.170	29.120	29.040	30.140	29.670	29.590	29.580	29.520	29.370	29.320	29.418
10	2028	29.270	29.220	29.170	29.120	29.040	30.140	29.660	29.580	29.610	29.520	29.370	29.320	29.418
11	2029	29.200	29.010	28.810	28.620	28.400	30.000	29.660	29.580	29.610	29.490	29.220	29.030	29.219
12	2030	28.830	28.630	28.440	28.250	28.040	29.800	29.650	29.540	29.590	29.490	29.220	29.030	29.044
13	2031	28.830	28.640	28.450	28.250	28.040	29.730	29.630	29.540	29.570	29.490	29.220	29.020	29.036
14	2032	28.880	28.780	28.690	28.590	28.510	30.070	29.660	29.590	29.590	29.520	29.330	29.230	29.205
15	2033	29.170	29.150	29.130	29.110	29.070	30.140	29.690	29.590	29.600	29.560	29.400	29.370	29.416
16	2034	29.350	29.330	29.310	29.290	29.250	30.200	29.720	29.580	29.700	29.570	29.400	29.370	29.506
17	2035	29.360	29.360	29.370	29.370	29.340	30.170	29.720	29.640	29.630	29.580	29.450	29.440	29.536
18	2036	29.440	29.440	29.440	29.440	29.410	30.170	29.750	29.630	29.630	29.590	29.440	29.430	29.567
19	2037	29.430	29.430	29.430	29.430	29.400	30.160	29.740	29.620	29.650	29.590	29.440	29.430	29.562
20	2038	29.440	29.440	29.440	29.440	29.400	30.160	29.740	29.620	29.660	29.570	29.440	29.430	29.565
21	2039	29.430	29.430	29.430	29.440	29.390	30.140	29.710	29.620	29.690	29.600	29.450	29.430	29.563
22	2040	29.430	29.430	29.440	29.440	29.400	30.150	29.710	29.620	29.630	29.590	29.440	29.430	29.559

Reference: Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4).

Note: The Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4) incorporates the effects of climate change (Volume 1, Annex V1-7, Package P5-1) on streamflows.

Table R-18. Simulated Project-affected Volume of Doris Lake under 1-in-20-Year Wet Runoff Conditions (Mm³)

Project Year	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
0	2018	29.520	29.480	29.440	29.390	30.270	31.360	30.250	30.240	30.100	29.820	29.580	29.470	29.911
1	2019	29.390	29.320	29.240	29.150	29.750	31.380	30.240	30.250	30.130	29.820	29.570	29.460	29.810
2	2020	29.370	29.280	29.190	29.100	30.020	31.310	30.280	30.240	30.130	29.840	29.590	29.500	29.823
3	2021	29.420	29.350	29.280	29.200	29.820	31.370	30.200	30.220	30.120	29.800	29.600	29.520	29.826
4	2022	29.480	29.430	29.390	29.350	29.930	31.530	30.220	30.250	30.140	29.800	29.610	29.520	29.888
5	2023	29.480	29.430	29.380	29.340	29.910	31.330	30.180	30.250	30.130	29.840	29.610	29.540	29.869
6	2024	29.480	29.430	29.380	29.330	30.270	31.370	30.240	30.200	30.130	29.830	29.590	29.520	29.899
7	2025	29.460	29.420	29.370	29.320	30.250	31.340	30.180	30.230	30.130	29.810	29.610	29.520	29.888
8	2026	29.470	29.420	29.370	29.320	30.260	31.380	30.200	30.240	30.110	29.790	29.590	29.520	29.891
9	2027	29.460	29.420	29.370	29.320	30.010	31.300	30.230	30.230	30.110	29.870	29.610	29.520	29.872
10	2028	29.470	29.420	29.370	29.320	30.290	31.400	30.180	30.270	30.140	29.800	29.600	29.520	29.900
11	2029	29.400	29.210	29.020	28.820	29.690	31.190	30.220	30.160	30.110	29.800	29.520	29.290	29.704
12	2030	29.090	28.900	28.710	28.510	29.510	31.110	30.170	30.230	30.140	29.760	29.530	29.280	29.581
13	2031	29.080	28.890	28.700	28.510	29.420	31.120	30.170	30.230	30.130	29.810	29.520	29.300	29.576
14	2032	29.150	29.060	28.970	28.870	29.990	31.350	30.200	30.250	30.150	29.840	29.580	29.460	29.742
15	2033	29.400	29.380	29.360	29.340	30.200	31.370	30.240	30.270	30.130	29.840	29.640	29.570	29.897
16	2034	29.550	29.530	29.510	29.490	30.430	31.480	30.250	30.190	30.130	29.820	29.610	29.530	29.961
17	2035	29.520	29.520	29.530	29.530	30.380	31.410	30.250	30.270	30.160	29.950	29.670	29.640	29.987
18	2036	29.640	29.640	29.640	29.640	30.470	31.500	30.250	30.270	30.170	29.890	29.630	29.620	30.031
19	2037	29.620	29.620	29.620	29.620	30.540	31.430	30.260	30.290	30.170	29.850	29.700	29.570	30.025
20	2038	29.570	29.570	29.570	29.570	30.420	31.500	30.250	30.270	30.150	29.840	29.640	29.620	29.999
21	2039	29.620	29.620	29.620	29.620	30.450	31.430	30.250	30.270	30.150	29.850	29.640	29.620	30.013
22	2040	29.620	29.630	29.630	29.630	30.520	31.460	30.250	30.300	30.180	29.850	29.650	29.620	30.029

Reference: Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4).

Note: The Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4) incorporates the effects of climate change (Volume 1, Annex V1-7, Package P5-1) on streamflows.

Table R-19. Simulated Project-affected Volume of Windy Lake under Average Runoff Conditions (Mm³)

Project Year	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
0	2018	45.980	45.970	45.970	45.970	45.880	46.410	46.120	45.860	45.840	45.970	45.990	45.990	45.995
1	2019	45.980	45.980	45.980	45.970	45.880	46.410	46.120	45.860	45.840	45.970	45.990	45.990	45.997
2	2020	45.980	45.980	45.980	45.970	45.880	46.410	46.120	45.860	45.840	45.970	45.990	45.990	45.997
3	2021	45.980	45.980	45.980	45.970	45.880	46.420	46.120	45.860	45.840	45.960	45.990	45.990	45.997
4	2022	45.980	45.980	45.980	45.970	45.880	46.420	46.120	45.850	45.840	45.960	45.990	45.990	45.996
5	2023	45.980	45.980	45.970	45.970	45.880	46.420	46.110	45.850	45.830	45.960	45.990	45.980	45.993
6	2024	45.980	45.980	45.970	45.970	45.880	46.420	46.110	45.850	45.830	45.960	45.990	45.980	45.993
7	2025	45.980	45.980	45.970	45.970	45.870	46.420	46.110	45.850	45.830	45.960	45.990	45.980	45.992
8	2026	45.980	45.980	45.970	45.970	45.870	46.420	46.110	45.850	45.830	45.960	45.990	45.980	45.992
9	2027	45.980	45.970	45.970	45.970	45.870	46.420	46.110	45.850	45.830	45.960	45.990	45.980	45.991
10	2028	45.980	45.970	45.970	45.970	45.870	46.420	46.110	45.850	45.830	45.960	45.990	45.980	45.991
11	2029	45.980	45.970	45.970	45.970	45.870	46.430	46.110	45.850	45.830	45.960	45.990	45.980	45.992
12	2030	45.980	45.970	45.970	45.970	45.870	46.430	46.110	45.840	45.830	45.960	45.990	45.980	45.991
13	2031	45.980	45.970	45.970	45.970	45.870	46.430	46.110	45.840	45.830	45.960	45.990	45.980	45.991
14	2032	45.980	45.970	45.970	45.970	45.870	46.430	46.110	45.840	45.830	45.960	45.990	45.980	45.991
15	2033	45.980	45.980	45.970	45.970	45.870	46.430	46.110	45.840	45.830	45.960	45.990	45.980	45.992
16	2034	45.980	45.980	45.970	45.970	45.870	46.430	46.110	45.840	45.830	45.960	45.990	45.980	45.992
17	2035	45.980	45.980	45.980	45.980	45.890	46.450	46.120	45.850	45.840	45.970	46.010	46.010	46.004
18	2036	46.010	46.010	46.010	46.010	45.910	46.470	46.120	45.860	45.840	45.980	46.010	46.010	46.019
19	2037	46.010	46.010	46.010	46.010	45.920	46.470	46.120	45.860	45.840	45.980	46.010	46.010	46.020
20	2038	46.010	46.010	46.010	46.010	45.920	46.480	46.120	45.860	45.840	45.980	46.010	46.010	46.021
21	2039	46.010	46.010	46.010	46.010	45.920	46.480	46.120	45.850	45.840	45.980	46.010	46.010	46.020
22	2040	46.010	46.010	46.010	46.010	45.920	46.480	46.120	45.850	45.840	45.980	46.010	46.010	46.020

Reference: Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4).

Note: The Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4) incorporates the effects of climate change (Volume 1, Annex V1-7, Package P5-1) on streamflows.

Table R-20. Simulated Project-affected Volume of Windy Lake under 1-in-20-Year Dry Runoff Conditions (Mm³)

Project Year	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
0	2018	45.770	45.770	45.770	45.760	45.730	46.110	45.770	45.570	45.630	45.780	45.790	45.780	45.769
1	2019	45.780	45.780	45.770	45.770	45.740	46.120	45.790	45.610	45.610	45.710	45.790	45.780	45.770
2	2020	45.780	45.770	45.770	45.770	45.740	46.150	45.800	45.590	45.620	45.710	45.780	45.780	45.771
3	2021	45.770	45.770	45.770	45.760	45.750	46.120	45.770	45.570	45.610	45.730	45.790	45.790	45.766
4	2022	45.780	45.780	45.770	45.770	45.750	46.120	45.770	45.570	45.610	45.710	45.790	45.790	45.767
5	2023	45.780	45.780	45.770	45.770	45.740	46.130	45.760	45.570	45.610	45.730	45.790	45.790	45.768
6	2024	45.780	45.780	45.780	45.770	45.790	46.140	45.760	45.570	45.610	45.700	45.790	45.790	45.771
7	2025	45.780	45.780	45.770	45.770	45.730	46.130	45.780	45.630	45.610	45.730	45.790	45.780	45.773
8	2026	45.780	45.770	45.770	45.770	45.740	46.110	45.750	45.560	45.610	45.770	45.800	45.790	45.768
9	2027	45.790	45.790	45.780	45.780	45.750	46.110	45.780	45.570	45.600	45.700	45.790	45.790	45.768
10	2028	45.780	45.780	45.770	45.770	45.760	46.160	45.750	45.580	45.600	45.710	45.780	45.780	45.768
11	2029	45.770	45.770	45.770	45.760	45.740	46.110	45.800	45.600	45.610	45.770	45.800	45.790	45.774
12	2030	45.790	45.780	45.780	45.780	45.740	46.110	45.760	45.560	45.600	45.700	45.780	45.770	45.762
13	2031	45.770	45.770	45.760	45.760	45.740	46.170	45.740	45.560	45.600	45.770	45.790	45.780	45.767
14	2032	45.780	45.780	45.770	45.770	45.760	46.120	45.740	45.560	45.600	45.700	45.790	45.790	45.763
15	2033	45.790	45.780	45.780	45.780	45.740	46.120	45.740	45.570	45.600	45.720	45.750	45.740	45.758
16	2034	45.740	45.730	45.730	45.730	45.760	46.190	45.800	45.550	45.590	45.700	45.800	45.790	45.759
17	2035	45.790	45.790	45.790	45.790	45.750	46.130	45.750	45.580	45.610	45.760	45.820	45.820	45.781
18	2036	45.820	45.820	45.820	45.820	45.820	46.200	45.800	45.620	45.610	45.760	45.800	45.800	45.807
19	2037	45.800	45.800	45.800	45.800	45.860	46.180	45.760	45.570	45.610	45.720	45.820	45.820	45.794
20	2038	45.820	45.820	45.820	45.820	45.810	46.210	45.800	45.570	45.610	45.780	45.820	45.820	45.808
21	2039	45.820	45.820	45.820	45.820	45.800	46.150	45.720	45.570	45.610	45.780	45.830	45.830	45.797
22	2040	45.830	45.830	45.830	45.830	45.820	46.200	45.760	45.590	45.610	45.790	45.810	45.810	45.808

Reference: Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4).

Note: The Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4) incorporates the effects of climate change (Volume 1, Annex V1-7, Package P5-1) on streamflows.

Table R-21. Simulated Project-affected Volume of Windy Lake under 1-in-20-Year Wet Runoff Conditions (Mm³)

Project Year	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
0	2018	46.360	46.360	46.360	46.350	46.650	46.820	46.260	46.160	46.140	46.310	46.420	46.410	46.383
1	2019	46.410	46.400	46.400	46.400	46.660	46.830	46.280	46.130	46.230	46.320	46.430	46.420	46.409
2	2020	46.420	46.420	46.410	46.410	46.500	46.820	46.360	46.160	46.230	46.320	46.520	46.520	46.423
3	2021	46.510	46.510	46.510	46.500	46.680	46.970	46.280	46.130	46.130	46.230	46.370	46.370	46.431
4	2022	46.360	46.360	46.350	46.350	46.510	46.840	46.270	46.130	46.130	46.320	46.420	46.420	46.371
5	2023	46.410	46.410	46.410	46.400	46.520	46.850	46.260	46.150	46.230	46.310	46.380	46.370	46.391
6	2024	46.370	46.370	46.360	46.360	46.770	46.870	46.280	46.140	46.130	46.320	46.420	46.410	46.400
7	2025	46.410	46.400	46.400	46.400	46.570	46.870	46.280	46.130	46.230	46.320	46.420	46.420	46.403
8	2026	46.410	46.410	46.400	46.400	46.560	46.860	46.270	46.140	46.130	46.330	46.420	46.410	46.394
9	2027	46.410	46.400	46.400	46.400	46.740	46.830	46.270	46.130	46.230	46.330	46.440	46.430	46.417
10	2028	46.430	46.420	46.420	46.420	46.600	46.980	46.280	46.140	46.240	46.330	46.430	46.420	46.425
11	2029	46.420	46.410	46.410	46.410	46.600	46.840	46.330	46.120	46.130	46.300	46.390	46.390	46.395
12	2030	46.380	46.380	46.380	46.370	46.770	46.880	46.280	46.130	46.240	46.330	46.430	46.420	46.415
13	2031	46.420	46.410	46.410	46.410	46.600	46.880	46.220	46.210	46.240	46.300	46.420	46.410	46.410
14	2032	46.410	46.400	46.400	46.400	46.800	46.900	46.270	46.120	46.130	46.330	46.420	46.420	46.416
15	2033	46.420	46.410	46.410	46.400	46.710	46.900	46.280	46.100	46.130	46.330	46.420	46.410	46.409
16	2034	46.410	46.410	46.400	46.400	46.800	46.900	46.270	46.100	46.130	46.300	46.400	46.390	46.409
17	2035	46.390	46.390	46.390	46.390	46.750	46.860	46.230	46.140	46.190	46.340	46.460	46.460	46.415
18	2036	46.460	46.460	46.460	46.460	46.800	47.020	46.290	46.150	46.250	46.310	46.440	46.440	46.461
19	2037	46.440	46.440	46.440	46.440	46.870	46.950	46.280	46.140	46.140	46.350	46.450	46.450	46.449
20	2038	46.450	46.450	46.450	46.450	46.800	46.940	46.240	46.150	46.190	46.350	46.450	46.450	46.447
21	2039	46.450	46.450	46.450	46.450	46.780	46.890	46.290	46.150	46.130	46.350	46.450	46.450	46.440
22	2040	46.450	46.450	46.450	46.450	46.830	46.930	46.260	46.140	46.150	46.350	46.450	46.450	46.446

Reference: Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4).

Note: The Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4) incorporates the effects of climate change (Volume 1, Annex V1-7, Package P5-1) on streamflows.

Table R-22. Simulated Project-affected Volume of Stickleback Lake under Average Runoff Conditions (Mm³)

Project Year	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
0	2018	2.162	2.162	2.162	2.162	2.147	2.237	2.185	2.135	2.133	2.159	2.164	2.164	2.164
1	2019	2.164	2.164	2.164	2.164	2.149	2.242	2.183	2.134	2.131	2.157	2.163	2.163	2.165
2	2020	2.163	2.163	2.163	2.163	2.147	2.240	2.182	2.133	2.130	2.156	2.161	2.161	2.163
3	2021	2.161	2.161	2.161	2.161	2.146	2.238	2.180	2.131	2.128	2.154	2.159	2.159	2.161
4	2022	2.159	2.159	2.159	2.159	2.144	2.235	2.178	2.129	2.127	2.153	2.158	2.158	2.160
5	2023	2.158	2.158	2.158	2.158	2.143	2.234	2.178	2.129	2.126	2.152	2.158	2.158	2.159
6	2024	2.158	2.158	2.158	2.158	2.142	2.234	2.178	2.129	2.126	2.152	2.158	2.158	2.159
7	2025	2.158	2.158	2.158	2.158	2.142	2.235	2.178	2.129	2.126	2.152	2.158	2.158	2.159
8	2026	2.158	2.158	2.158	2.158	2.142	2.235	2.177	2.128	2.126	2.152	2.157	2.157	2.159
9	2027	2.157	2.157	2.157	2.157	2.142	2.235	2.177	2.128	2.126	2.152	2.157	2.157	2.158
10	2028	2.157	2.157	2.157	2.157	2.142	2.235	2.177	2.128	2.126	2.152	2.157	2.157	2.158
11	2029	2.157	2.157	2.157	2.157	2.142	2.235	2.177	2.128	2.126	2.152	2.157	2.157	2.158
12	2030	2.157	2.157	2.157	2.157	2.142	2.235	2.177	2.128	2.126	2.152	2.157	2.157	2.158
13	2031	2.157	2.157	2.157	2.157	2.142	2.236	2.177	2.127	2.125	2.152	2.157	2.157	2.158
14	2032	2.157	2.157	2.157	2.157	2.141	2.241	2.181	2.131	2.129	2.157	2.162	2.162	2.161
15	2033	2.162	2.162	2.162	2.162	2.147	2.245	2.182	2.132	2.130	2.157	2.163	2.163	2.164
16	2034	2.163	2.163	2.163	2.163	2.148	2.246	2.182	2.132	2.130	2.157	2.163	2.163	2.164
17	2035	2.163	2.163	2.163	2.163	2.148	2.246	2.182	2.132	2.130	2.157	2.163	2.163	2.164
18	2036	2.163	2.163	2.163	2.163	2.148	2.247	2.182	2.132	2.130	2.157	2.163	2.163	2.164
19	2037	2.163	2.163	2.163	2.163	2.147	2.247	2.182	2.131	2.130	2.157	2.163	2.163	2.164
20	2038	2.163	2.163	2.163	2.163	2.147	2.247	2.182	2.131	2.129	2.157	2.163	2.163	2.164
21	2039	2.163	2.163	2.163	2.163	2.147	2.247	2.181	2.131	2.129	2.157	2.163	2.163	2.164
22	2040	2.163	2.163	2.163	2.163	2.147	2.247	2.181	2.131	2.129	2.157	2.163	2.163	2.164

Reference: Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4).

Note: The Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4) incorporates the effects of climate change (Volume 1, Annex V1-7, Package P5-1) on streamflows.

Table R-23. Simulated Project-affected Volume of Stickleback Lake under 1-in-20-Year Dry Runoff Conditions (Mm³)

Project Year	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
0	2018	2.117	2.117	2.117	2.117	2.107	2.185	2.122	2.080	2.088	2.116	2.119	2.119	2.117
1	2019	2.119	2.119	2.119	2.119	2.107	2.184	2.117	2.084	2.082	2.105	2.119	2.119	2.116
2	2020	2.119	2.119	2.119	2.119	2.112	2.186	2.123	2.079	2.082	2.103	2.115	2.115	2.116
3	2021	2.115	2.115	2.115	2.115	2.114	2.181	2.113	2.077	2.076	2.101	2.113	2.113	2.112
4	2022	2.113	2.113	2.113	2.113	2.116	2.178	2.114	2.076	2.077	2.098	2.113	2.113	2.111
5	2023	2.113	2.113	2.113	2.113	2.104	2.177	2.109	2.076	2.077	2.096	2.113	2.113	2.110
6	2024	2.113	2.113	2.113	2.113	2.114	2.176	2.108	2.072	2.074	2.095	2.110	2.110	2.109
7	2025	2.110	2.110	2.110	2.110	2.102	2.176	2.108	2.081	2.076	2.097	2.110	2.110	2.108
8	2026	2.110	2.110	2.110	2.110	2.102	2.176	2.115	2.074	2.074	2.106	2.114	2.114	2.109
9	2027	2.114	2.114	2.114	2.114	2.110	2.176	2.108	2.075	2.075	2.095	2.112	2.112	2.110
10	2028	2.112	2.112	2.112	2.112	2.107	2.175	2.107	2.074	2.076	2.094	2.111	2.111	2.108
11	2029	2.111	2.111	2.111	2.111	2.107	2.176	2.115	2.073	2.072	2.101	2.113	2.113	2.109
12	2030	2.113	2.113	2.113	2.113	2.113	2.176	2.111	2.073	2.072	2.096	2.111	2.111	2.109
13	2031	2.111	2.111	2.111	2.111	2.104	2.183	2.114	2.073	2.074	2.108	2.112	2.112	2.110
14	2032	2.112	2.112	2.112	2.112	2.113	2.179	2.110	2.078	2.077	2.100	2.117	2.117	2.111
15	2033	2.117	2.117	2.117	2.117	2.118	2.186	2.115	2.078	2.078	2.104	2.111	2.111	2.114
16	2034	2.111	2.111	2.111	2.111	2.139	2.194	2.121	2.075	2.078	2.102	2.121	2.121	2.116
17	2035	2.121	2.121	2.121	2.121	2.112	2.180	2.115	2.079	2.079	2.104	2.121	2.121	2.116
18	2036	2.121	2.121	2.121	2.121	2.118	2.186	2.114	2.081	2.078	2.103	2.120	2.120	2.117
19	2037	2.120	2.120	2.120	2.120	2.119	2.186	2.117	2.079	2.078	2.101	2.121	2.121	2.117
20	2038	2.121	2.121	2.121	2.121	2.110	2.187	2.115	2.077	2.077	2.104	2.119	2.119	2.116
21	2039	2.119	2.119	2.119	2.119	2.114	2.184	2.104	2.077	2.077	2.103	2.119	2.119	2.114
22	2040	2.119	2.119	2.119	2.119	2.120	2.189	2.117	2.078	2.082	2.114	2.119	2.119	2.118

Reference: Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4).

Note: The Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4) incorporates the effects of climate change (Volume 1, Annex V1-7, Package P5-1) on streamflows.

Table R-24. Simulated Project-affected Volume of Stickleback Lake under 1-in-20-Year Wet Runoff Conditions (Mm³)

Project Year	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
0	2018	2.234	2.234	2.234	2.234	2.273	2.311	2.208	2.181	2.187	2.222	2.242	2.242	2.233
1	2019	2.242	2.242	2.242	2.242	2.275	2.311	2.208	2.182	2.203	2.223	2.244	2.244	2.238
2	2020	2.244	2.244	2.244	2.244	2.263	2.311	2.222	2.186	2.202	2.222	2.259	2.259	2.242
3	2021	2.259	2.259	2.259	2.259	2.288	2.330	2.204	2.178	2.183	2.203	2.227	2.227	2.239
4	2022	2.227	2.227	2.227	2.227	2.245	2.304	2.206	2.176	2.182	2.219	2.238	2.238	2.226
5	2023	2.238	2.238	2.238	2.238	2.255	2.307	2.201	2.182	2.200	2.217	2.230	2.230	2.231
6	2024	2.230	2.230	2.230	2.230	2.257	2.309	2.206	2.176	2.182	2.217	2.238	2.238	2.228
7	2025	2.238	2.238	2.238	2.238	2.285	2.311	2.202	2.174	2.198	2.217	2.238	2.238	2.234
8	2026	2.238	2.238	2.238	2.238	2.256	2.310	2.202	2.181	2.182	2.219	2.238	2.238	2.231
9	2027	2.238	2.238	2.238	2.238	2.256	2.308	2.207	2.176	2.190	2.219	2.241	2.241	2.232
10	2028	2.241	2.241	2.241	2.241	2.295	2.313	2.202	2.182	2.198	2.219	2.239	2.239	2.237
11	2029	2.239	2.239	2.239	2.239	2.260	2.311	2.215	2.174	2.182	2.216	2.230	2.230	2.231
12	2030	2.230	2.230	2.230	2.230	2.294	2.312	2.201	2.176	2.198	2.220	2.239	2.239	2.233
13	2031	2.239	2.239	2.239	2.239	2.259	2.311	2.197	2.178	2.200	2.216	2.239	2.239	2.233
14	2032	2.239	2.239	2.239	2.239	2.302	2.321	2.205	2.179	2.203	2.224	2.245	2.245	2.240
15	2033	2.245	2.245	2.245	2.245	2.277	2.323	2.206	2.180	2.186	2.225	2.245	2.245	2.239
16	2034	2.245	2.245	2.245	2.245	2.309	2.323	2.206	2.179	2.186	2.222	2.241	2.241	2.240
17	2035	2.241	2.241	2.241	2.241	2.293	2.311	2.203	2.182	2.204	2.226	2.247	2.247	2.240
18	2036	2.247	2.247	2.247	2.247	2.296	2.340	2.206	2.183	2.186	2.222	2.245	2.245	2.242
19	2037	2.245	2.245	2.245	2.245	2.311	2.325	2.206	2.180	2.186	2.227	2.246	2.246	2.242
20	2038	2.246	2.246	2.246	2.246	2.297	2.325	2.202	2.180	2.204	2.225	2.245	2.245	2.242
21	2039	2.245	2.245	2.245	2.245	2.290	2.322	2.210	2.181	2.185	2.227	2.246	2.246	2.240
22	2040	2.246	2.246	2.246	2.246	2.302	2.326	2.204	2.180	2.204	2.226	2.246	2.246	2.243

Reference: Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4).

Note: The Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4) incorporates the effects of climate change (Volume 1, Annex V1-7, Package P5-1) on streamflows.

Table R-25. Simulated Project-affected Volume of Aimaokatalok Lake under Average Runoff Conditions (Mm³)

Project Year	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
0	2018	134.300	134.300	134.300	134.300	134.000	156.800	137.200	132.800	132.500	136.400	134.300	134.300	136.273
1	2019	134.300	134.300	134.300	134.300	134.000	157.100	137.000	132.800	132.500	136.400	134.300	134.300	136.281
2	2020	134.300	134.200	134.200	134.200	133.900	157.100	137.000	132.800	132.500	136.400	134.300	134.200	136.239
3	2021	134.200	134.200	134.200	134.200	133.900	157.100	137.000	132.800	132.500	136.400	134.300	134.200	136.231
4	2022	134.200	134.200	134.200	134.200	133.900	157.200	137.000	132.900	132.600	136.500	134.400	134.300	136.281
5	2023	134.300	134.300	134.200	134.200	133.900	157.200	137.000	132.900	132.600	136.500	134.400	134.300	136.297
6	2024	134.300	134.200	134.200	134.200	133.900	157.300	137.000	132.900	132.600	136.500	134.400	134.300	136.298
7	2025	134.300	134.200	134.200	134.200	133.900	157.300	137.000	132.900	132.600	136.500	134.400	134.300	136.298
8	2026	134.300	134.300	134.200	134.200	133.900	157.300	137.000	132.900	132.600	136.500	133.900	133.800	136.222
9	2027	133.800	133.700	133.700	133.700	133.400	157.200	137.000	132.900	132.600	136.500	133.900	133.800	135.999
10	2028	133.800	133.700	133.700	133.700	133.400	157.300	137.000	132.900	132.600	136.500	133.900	133.800	136.007
11	2029	133.800	133.800	133.700	133.700	133.400	157.300	137.000	132.900	132.600	136.600	133.900	133.800	136.024
12	2030	133.800	133.800	133.800	133.800	133.400	157.400	137.000	132.900	132.600	136.600	133.900	133.800	136.048
13	2031	133.800	133.800	133.800	133.800	133.400	157.200	137.000	132.900	132.700	136.600	134.000	133.800	136.048
14	2032	133.800	133.800	133.800	133.800	133.500	157.300	137.000	133.000	132.700	136.600	134.000	133.900	136.082
15	2033	133.900	133.900	133.900	133.900	133.600	157.400	137.000	133.000	132.700	136.700	133.600	133.400	136.065
16	2034	133.400	133.400	133.400	133.400	133.200	157.300	137.000	133.000	132.700	136.700	133.600	133.400	135.858
17	2035	133.400	133.400	133.400	133.400	133.200	157.300	137.000	133.000	132.700	136.700	132.900	132.500	135.724
18	2036	132.500	132.500	132.500	132.500	132.300	157.200	137.000	133.000	132.700	136.700	132.600	132.200	135.294
19	2037	132.200	132.200	132.200	132.200	131.900	157.100	137.000	133.000	132.700	136.700	132.300	131.800	135.094
20	2038	131.800	131.800	131.800	131.800	131.600	157.000	137.000	133.000	132.800	136.700	132.300	131.800	134.937
21	2039	131.800	131.800	131.800	131.800	131.600	157.100	137.000	133.000	132.800	136.700	132.300	131.800	134.945
22	2040	131.800	131.800	131.800	131.800	131.600	157.100	137.000	133.000	132.800	136.800	132.100	131.400	134.904

Reference: Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4).

Note: The Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4) incorporates the effects of climate change (Volume 1, Annex V1-7, Package P5-1) on streamflows.

Table R-26. Simulated Project-affected Volume of Aimaokatalok Lake under 1-in-20-Year Dry Runoff Conditions (Mm³)

Project Year	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
0	2018	130.100	130.100	130.100	130.100	130.900	141.200	130.600	129.500	128.800	132.800	131.300	130.600	131.335
1	2019	130.600	130.600	130.600	130.600	131.000	139.900	130.700	129.100	129.100	133.300	131.600	130.700	131.476
2	2020	130.700	130.700	130.600	130.600	132.100	140.600	130.800	128.700	128.400	132.100	131.300	130.800	131.442
3	2021	130.800	130.800	130.800	130.700	132.300	139.500	130.500	129.600	128.800	132.400	131.300	130.300	131.477
4	2022	130.300	130.300	130.300	130.300	131.100	139.900	130.600	128.200	129.300	133.000	131.300	130.800	131.276
5	2023	130.800	130.800	130.800	130.700	132.300	141.100	130.700	129.300	128.800	132.800	131.200	130.500	131.643
6	2024	130.400	130.400	130.400	130.400	133.300	139.400	130.300	128.700	129.300	132.500	131.100	130.500	131.387
7	2025	130.500	130.500	130.500	130.400	132.300	140.500	130.700	129.700	128.800	132.500	130.800	130.300	131.453
8	2026	130.300	130.300	130.300	130.300	133.600	139.800	130.700	128.700	130.000	132.500	130.800	130.500	131.479
9	2027	130.500	130.500	130.400	130.400	133.500	139.800	130.500	129.300	129.200	132.700	131.100	130.400	131.521
10	2028	130.400	130.400	130.400	130.300	134.300	139.800	130.700	128.700	128.800	132.200	130.800	130.600	131.448
11	2029	130.600	130.600	130.500	130.500	133.500	139.200	130.500	129.900	128.800	132.900	131.300	130.400	131.556
12	2030	130.300	130.300	130.300	130.300	134.400	138.100	130.300	128.700	129.300	133.100	131.400	130.400	131.408
13	2031	130.300	130.300	130.300	130.300	133.700	140.000	130.500	128.900	128.800	132.500	130.700	130.200	131.372
14	2032	130.200	130.200	130.200	130.200	130.900	137.400	130.500	129.600	129.400	132.400	130.800	130.400	131.013
15	2033	130.400	130.400	130.400	130.400	133.600	138.000	130.600	128.800	128.500	133.000	131.200	130.200	131.291
16	2034	130.200	130.200	130.200	130.200	134.800	139.600	130.300	129.600	130.100	132.600	130.700	130.300	131.566
17	2035	130.300	130.300	130.300	130.300	131.200	139.600	130.900	129.400	128.900	133.000	130.900	130.200	131.270
18	2036	130.200	130.200	130.200	130.200	134.800	138.900	130.300	129.700	128.900	132.500	130.600	130.200	131.393
19	2037	130.200	130.200	130.200	130.200	134.500	138.000	130.300	128.200	129.400	133.300	131.200	130.400	131.342
20	2038	130.400	130.400	130.400	130.400	135.100	138.100	130.600	129.600	128.900	132.600	130.500	130.100	131.427
21	2039	130.100	130.100	130.100	130.100	130.900	137.500	130.500	129.000	130.300	132.600	130.500	130.100	130.978
22	2040	130.100	130.100	130.100	130.100	134.900	139.100	130.500	129.600	129.400	133.200	131.200	130.400	131.561

Reference: Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4).

Note: The Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4) incorporates the effects of climate change (Volume 1, Annex V1-7, Package P5-1) on streamflows.

Table R-27. Simulated Project-affected Volume of Aimaokatalok Lake under 1-in-20-Year Wet Runoff Conditions (Mm³)

Project Year	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
0	2018	144.400	144.400	144.400	144.400	157.600	163.700	140.500	140.600	137.900	145.800	145.300	145.100	146.172
1	2019	145.100	145.100	145.100	145.100	153.000	164.400	140.300	140.800	137.900	147.500	144.700	144.300	146.096
2	2020	144.300	144.300	144.300	144.300	158.500	164.000	141.200	140.900	137.900	145.800	145.300	144.700	146.291
3	2021	144.700	144.600	144.600	144.600	153.100	164.200	139.800	140.600	137.500	144.400	144.500	144.000	145.534
4	2022	143.900	143.900	143.900	143.900	157.900	165.300	140.700	141.000	138.800	144.500	146.800	145.000	146.293
5	2023	145.000	145.000	145.000	145.000	153.200	164.800	139.900	142.500	137.900	145.300	145.200	145.000	146.137
6	2024	144.900	144.900	144.900	144.900	159.500	162.700	140.700	140.700	137.900	146.100	144.600	144.000	146.315
7	2025	144.000	144.000	144.000	143.900	153.500	160.900	140.900	140.800	137.900	144.500	145.200	144.900	145.369
8	2026	144.800	144.800	144.800	144.800	153.800	164.300	140.700	140.700	138.000	143.800	144.800	143.900	145.750
9	2027	143.900	143.900	143.800	143.800	153.500	164.200	140.700	141.000	138.100	146.800	145.300	145.000	145.827
10	2028	145.000	145.000	145.000	144.900	159.600	162.500	139.900	142.800	138.000	144.800	145.100	144.600	146.432
11	2029	144.600	144.600	144.600	144.600	155.400	165.700	140.700	140.400	138.000	146.900	145.200	144.900	146.291
12	2030	144.900	144.900	144.800	144.800	157.700	162.500	141.100	141.100	139.000	144.700	145.100	144.400	146.244
13	2031	144.400	144.400	144.400	144.400	156.000	162.500	140.000	140.700	138.100	145.800	145.200	144.900	145.894
14	2032	144.900	144.900	144.900	144.900	161.600	162.600	141.000	141.000	138.100	147.000	144.900	144.400	146.688
15	2033	144.400	144.400	144.400	144.400	156.900	161.200	140.400	140.900	138.100	147.000	145.200	145.000	146.025
16	2034	145.000	145.000	145.000	145.000	159.100	164.600	140.300	140.500	138.100	144.000	145.200	144.400	146.341
17	2035	144.400	144.400	144.400	144.400	157.300	161.700	140.800	141.200	138.200	147.100	145.300	145.000	146.185
18	2036	145.000	145.000	145.000	145.000	159.600	164.800	140.100	140.900	137.900	146.100	144.700	143.900	146.495
19	2037	143.900	143.900	143.900	143.900	159.200	159.900	140.700	140.600	138.200	145.100	147.000	145.200	145.961
20	2038	145.200	145.200	145.200	145.200	158.800	164.800	140.600	141.300	138.200	144.100	145.600	144.900	146.583
21	2039	144.900	144.900	144.900	144.900	158.900	162.500	140.700	140.600	138.200	144.900	145.500	144.300	146.261
22	2040	144.300	144.300	144.300	144.300	160.900	161.400	140.900	141.100	138.200	145.200	145.500	145.100	146.296

Reference: Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4).

Note: The Water and Load Balance Model (Volume 1, Annex V1-7, Package P5-4) incorporates the effects of climate change (Volume 1, Annex V1-7, Package P5-1) on streamflows.