

Table 3E-9. Brine Shrimp Impact Assessment Results

Alternative or Condition	Salinity (g/l)	Volumetric				Production (Areal Mean)			Production (Lakewide Total)		
		Ammonium Concentration (mg N/m ³)		Biomass (mg N/m ³)		Grams of Nitrogen per Square Meter per Year		Millions of Cysts per Square Meter per Year	Thousands of Metric Tons of Nitrogen per Lake per Year		Trillions of Cysts per Lake per Year
		Epilimnetic	Hypolimnetic	Algae	Brine Shrimp	Algae	Brine Shrimp		Algae	Brine Shrimp	
Monomictic Conditions											
6,390 Ft ^a	71	249	34	460	68	31.38	4.5	2.57	6.14	0.88	503
6,383.5 Ft	80	260	38	467	59	30.9	4.04	1.98	5.69	0.74	364
6,377 Ft	89	273	41	475	50	30.96	3.84	1.55	5.23	0.64	263
Point of reference	92	278	42	477	47	30.8	3.62	1.41	5.03	0.59	231
6,372 Ft	97	286	43	480	42	31.12	3.53	1.21	4.67	0.52	182
No restriction	120	327	50	500	26	30.73	2.56	0.57	4	0.33	075
Meromictic Conditions											
6,390 Ft	71	891	15	127	61	17.22	3.93	2.75	3.47	0.79	555
6,383.5 Ft	80	906	22	146	55	17.37	3.59	2.12	3.35	0.69	408
6,377 Ft	89	926	28	160	49	17.38	3.28	1.58	3.17	0.6	289
Point of reference	92	932	30	161	46	17.41	3.22	1.46	3.08	0.57	261
6,372 Ft	97	948	28	160	43	17.42	3.13	1.29	2.93	0.53	218
No restriction	120	1,008	28	169	28	17.43	2.45	0.68	2.37	0.33	092

^a Prediversion conditions assumed to be the same as monomictic conditions under the 6,390-Ft Alternative.