Table 6.2.1. Twenty-fifth percentile, median, and seventy-fifth percentile of the number of two sea-winter females across all Penobscot River production units in generations (Gen) 1–10 for five model runs with 5,000 iterations under the Base Case scenario.

	Base Case - run1			Base Case - run2			Base Case - run3			Base Case - run4			Base Case - run5		
Gen	25%	median	75%	25%	median	75%	25%	median	75%	25%	median	75%	25%	median	75%
1	587	587	587	587	587	587	587	587	587	587	587	587	587	587	587
2	51	122	331	50	123	335	50	124	332	51	120	333	50	121	341
3	50	119	332	51	120	323	52	119	329	51	120	323	50	118	325
4	50	121	324	50	121	329	51	120	330	50	121	324	51	121	335
5	50	124	324	50	118	332	51	122	340	50	121	319	50	120	322
6	50	118	328	50	120	330	53	122	327	51	118	330	50	125	329
7	50	121	336	49	125	333	52	121	332	50	122	337	52	121	329
8	51	125	327	52	117	323	51	119	323	52	121	326	49	118	333
9	51	121	329	51	118	327	51	120	334	51	120	323	49	121	322
10	51	119	318	50	120	333	50	121	330	50	121	334	51	121	340

Table 6.2.2. Proportion of iterations when at least one two sea-winter female was present in three areas of the Penobscot River watershed: the Upper Penobscot (i.e., above West Enfield Dam), the Piscataquis (i.e., the Piscataquis River watershed), and the Lower Penobscot (i.e., below the West Enfield Dam). Values are listed for generations (Gen) 1–10 for five model runs with 5,000 iterations under the Base Case scenario.

	Base Case - run1			Base Case - run2			Base Case - run3			Base Case - run4			Base Case - run5		
Gen	Upper	Piscataquis	Lower	Upper	Piscataquis	Lower	Upper	Piscataquis	Lower	Upper	Piscataquis	Lower	Upper	Piscataquis	Lower
1	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2	0.52	0.53	1.00	0.52	0.52	1.00	0.52	0.53	1.00	0.52	0.52	1.00	0.51	0.52	1.00
3	0.48	0.48	1.00	0.48	0.49	1.00	0.48	0.49	1.00	0.48	0.49	1.00	0.48	0.49	1.00
4	0.48	0.48	1.00	0.48	0.49	1.00	0.48	0.49	1.00	0.48	0.49	1.00	0.48	0.49	1.00
5	0.49	0.49	1.00	0.48	0.49	1.00	0.47	0.48	1.00	0.48	0.49	1.00	0.49	0.49	1.00
6	0.47	0.48	1.00	0.48	0.49	1.00	0.48	0.49	1.00	0.48	0.49	1.00	0.48	0.49	1.00
7	0.48	0.49	1.00	0.49	0.49	1.00	0.48	0.49	1.00	0.48	0.49	1.00	0.48	0.48	1.00
8	0.49	0.49	1.00	0.48	0.49	1.00	0.48	0.49	1.00	0.48	0.49	1.00	0.48	0.49	1.00
9	0.48	0.49	1.00	0.48	0.49	1.00	0.48	0.49	1.00	0.48	0.49	1.00	0.48	0.49	1.00
10	0.48	0.48	1.00	0.47	0.48	1.00	0.48	0.48	1.00	0.48	0.49	1.00	0.48	0.49	1.00

Table 6.2.3. Twenty-fifth percentile, median, and seventy-fifth percentile of the number of smolts killed during emigration due to direct and indirect cumulative mortality associated with dam passage across the 15 modeled hydroelectric dams. Values are listed for generations (Gen) 1–10 for five model runs with 5,000 iterations under the Base Case scenario.

	Base Case - run1			Base Case - run2			Base Case - run3			Base Case - run4			Base Case - run5		
Gen	25%	median	75%	25%	median	75%	25%	median	75%	25%	median	75%	25%	median	75%
1	166,173	179,021	196,785	165,506	178,660	196,505	165,879	179,049	197,053	165,774	178,876	197,043	165,770	179,033	196,827
2	150,875	161,977	178,456	151,339	162,584	177,991	150,704	161,823	177,496	151,036	161,896	178,220	150,915	162,237	177,980
3	150,716	161,807	177,932	150,596	161,654	177,790	151,000	162,091	178,832	150,385	161,861	178,346	150,614	161,541	176,745
4	150,526	162,190	178,771	150,871	162,131	178,384	150,061	161,280	177,007	150,480	161,737	178,044	150,803	161,557	177,270
5	150,503	161,804	177,633	150,658	162,077	177,672	151,253	162,100	176,937	150,723	161,745	177,308	150,501	161,958	178,113
6	150,970	161,635	177,953	150,765	161,642	177,662	150,608	161,835	177,593	150,609	160,774	176,283	150,756	162,103	177,304
7	150,607	161,356	177,831	150,910	162,146	177,758	150,266	161,826	178,195	151,067	162,026	178,652	150,667	162,070	177,705
8	150,847	161,760	177,531	150,425	161,502	177,367	151,017	161,575	177,528	150,828	161,889	177,572	150,820	161,122	176,536
9	150,943	161,923	177,939	149,852	161,020	177,164	151,067	162,010	178,227	150,463	161,804	178,102	150,408	161,328	177,286
10	150,758	161,944	178,390	150,535	162,080	177,441	150,696	161,910	177,283	150,326	161,516	177,348	150,928	161,735	178,016

Table 6.2.4. Twenty-fifth percentile, median, and seventy-fifth percentile of the proportion of smolts killed during emigration due to direct and indirect cumulative mortality associated with dam passage across the 15 modeled hydroelectric dams. Values are listed for generations (Gen) 1–10 for five model runs with 5,000 iterations under the Base Case scenario.

	Base Case - run1			Base Case - run2			Base Case - run3			Base Case - run4			Base Case - run5		
Gen	25%	median	75%	25%	median	75%	25%	median	75%	25%	median	75%	25%	median	75%
1	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12
2	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12
3	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12
4	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12
5	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12
6	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12
7	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12
8	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12
9	0.10	0.11	0.12	0.10	0.10	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12
10	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12

Table 6.2.5. Twenty-fifth percentile, median, and seventy-fifth percentile of the number of two sea-winter females across all Penobscot River production units in generations (Gen) 1–10 for five model runs with 5,000 iterations under the Recovery scenario.

	Recovery - run1			Recovery - run2			Recovery - run3			Recovery - run4			Recovery - run5		
Gen	25%	median	75%	25%	median	75%	25%	median	75%	25%	median	75%	25%	median	75%
1	587	587	587	587	587	587	587	587	587	587	587	587	587	587	587
2	513	1,076	2,125	512	1,057	2,130	521	1,067	2,119	526	1,059	2,133	516	1,071	2,134
3	918	1,913	3,890	913	1,927	3,889	916	1,932	3,865	922	1,901	3,878	945	1,921	3,938
4	1,227	2,458	4,895	1,251	2,480	4,925	1,246	2,455	4,896	1,240	2,475	4,848	1,254	2,461	4,836
5	1,412	2,701	5,295	1,431	2,729	5,279	1,425	2,732	5,181	1,402	2,735	5,250	1,383	2,735	5,354
6	1,480	2,835	5,419	1,491	2,837	5,488	1,464	2,840	5,482	1,486	2,836	5,443	1,459	2,853	5,485
7	1,517	2,919	5,555	1,510	2,914	5,483	1,512	2,864	5,600	1,511	2,875	5,562	1,494	2,906	5,590
8	1,530	2,947	5,588	1,518	2,890	5,643	1,527	2,884	5,565	1,523	2,901	5,566	1,504	2,912	5,621
9	1,510	2,959	5,661	1,517	2,909	5,492	1,556	2,942	5,597	1,515	2,924	5,530	1,550	2,890	5,559
10	1,549	2,896	5,447	1,523	2,893	5,526	1,506	2,974	5,568	1,565	2,886	5,557	1,528	2,909	5,533

Table 6.2.6. Proportion of iterations when at least one two sea-winter female was present in three areas of the Penobscot River watershed: the Upper Penobscot (i.e., above West Enfield Dam), the Piscataquis (i.e., the Piscataquis River watershed), and the Lower Penobscot (i.e., below the West Enfield Dam). Values are listed for generations (Gen) 1–10 for five model runs with 5,000 iterations under the Recovery scenario.

	Recovery - run1			Recovery - run2			Recovery - run3			Recovery - run4			Recovery - run5		
Gen	Upper	Piscataquis	Lower	Upper	Piscataquis	Lower	Upper	Piscataquis	Lower	Upper	Piscataquis	Lower	Upper	Piscataquis	Lower
1	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2	0.96	0.96	1.00	0.96	0.96	1.00	0.96	0.96	1.00	0.96	0.96	1.00	0.96	0.97	1.00
3	0.98	0.98	1.00	0.98	0.98	1.00	0.97	0.97	1.00	0.98	0.98	1.00	0.97	0.98	1.00
4	0.98	0.98	1.00	0.98	0.98	1.00	0.99	0.99	1.00	0.98	0.98	1.00	0.99	0.99	1.00
5	0.99	0.99	1.00	0.99	0.99	1.00	0.99	0.99	1.00	0.99	0.99	1.00	0.99	0.99	1.00
6	0.99	0.99	1.00	0.99	0.99	1.00	0.99	0.99	1.00	0.99	0.99	1.00	0.99	0.99	1.00
7	0.99	0.99	1.00	0.99	0.99	1.00	0.99	0.99	1.00	0.99	0.99	1.00	0.99	0.99	1.00
8	0.99	0.99	1.00	0.99	0.99	1.00	0.99	0.99	1.00	0.99	0.99	1.00	0.99	0.99	1.00
9	0.99	0.99	1.00	0.99	0.99	1.00	0.99	0.99	1.00	0.99	0.99	1.00	0.99	0.99	1.00
10	0.99	0.99	1.00	0.99	0.99	1.00	0.99	0.99	1.00	0.99	0.99	1.00	0.99	0.99	1.00

Table 6.2.7. Twenty-fifth percentile, median, and seventy-fifth percentile of the number of smolts killed during emigration due to direct and indirect cumulative mortality associated with dam passage across the 15 modeled hydroelectric dams. Values are listed for generations (Gen) 1–10 for five model runs with 5,000 iterations under the Recovery scenario.

	Recovery - run1			Recovery - run2			Recovery - run3			Recovery - run4			Recovery - run5		
Gen	25%	median	75%	25%	median	75%	25%	median	75%	25%	median	75%	25%	median	75%
1	181,101	197,608	219,497	180,902	198,025	219,617	181,060	199,110	221,318	180,906	197,820	219,464	180,990	198,041	221,277
2	166,972	188,420	219,069	167,160	188,645	219,146	168,046	188,636	219,811	166,507	188,495	220,674	166,872	187,510	219,394
3	170,941	193,325	229,017	170,020	193,656	229,038	170,809	193,314	227,605	170,581	194,085	229,950	171,324	193,705	227,995
4	173,496	198,590	237,312	174,908	198,769	235,324	174,160	197,774	235,905	174,490	199,432	236,038	173,864	197,441	235,737
5	175,100	198,824	238,896	176,108	199,721	239,934	176,300	199,200	239,863	175,718	200,559	240,375	175,203	200,283	240,054
6	174,869	200,607	240,419	176,299	201,327	241,661	175,963	200,318	241,353	176,042	200,449	242,051	176,826	201,362	242,245
7	176,700	201,554	242,242	176,547	201,229	240,953	176,506	202,284	242,484	175,750	202,205	241,914	176,257	201,464	241,844
8	176,907	201,199	243,516	176,275	201,261	241,307	175,813	201,510	241,985	176,645	201,329	241,416	176,069	201,412	241,946
9	175,765	201,940	241,985	176,324	201,680	243,368	176,227	202,173	243,140	176,128	200,619	239,896	176,735	201,704	241,473
10	176,436	202,584	239,674	176,899	201,169	243,039	176,240	200,673	242,116	176,232	201,532	241,854	175,768	201,496	240,204

Table 6.2.8. Twenty-fifth percentile, median, and seventy-fifth percentile of the proportion of smolts killed during emigration due to direct and indirect cumulative mortality associated with dam passage across the 15 modeled hydroelectric dams. Values are listed for generations (Gen) 1–10 for five model runs with 5,000 iterations under the Recovery scenario.

	Recovery - run1			Recovery - run2			Recovery - run3			Recovery - run4			Recovery - run5		
Gen	25%	median	75%	25%	median	75%	25%	median	75%	25%	median	75%	25%	median	75%
1	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12
2	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12
3	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12
4	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12
5	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12
6	0.10	0.10	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12
7	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.10	0.12	0.10	0.11	0.12
8	0.10	0.11	0.12	0.10	0.10	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12
9	0.10	0.10	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.11	0.12
10	0.10	0.11	0.12	0.10	0.11	0.12	0.10	0.10	0.12	0.10	0.11	0.12	0.10	0.10	0.12