

B.26 Montana

Table B-53. Summary of results of water energy resource assessment of Montana.

Power Class	Total (MWa)	Developed (MWa)	Federally Excluded (MWa)	Other Excluded (MWa)	Available (MWa)
Total Power	12,456	1,091	3,406	1,054	6,904
Total High Power	9,446	1,087	2,915	793	4,650
Large Hydro	1,280	901	104	33	241
Small Hydro	8,166	186	2,811	760	4,408
Total Low Power	3,010	4	491	261	2,254
Conventional Turbines	2,519	4	453	239	1,822
Unconventional Systems	141	0	23	5	113
Microhydro	350	0	14	17	319

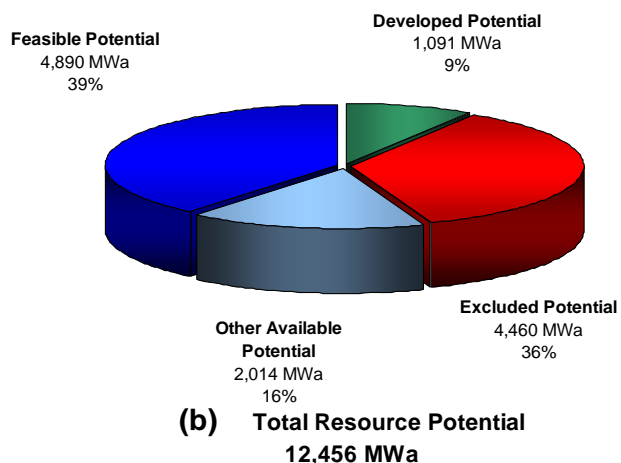
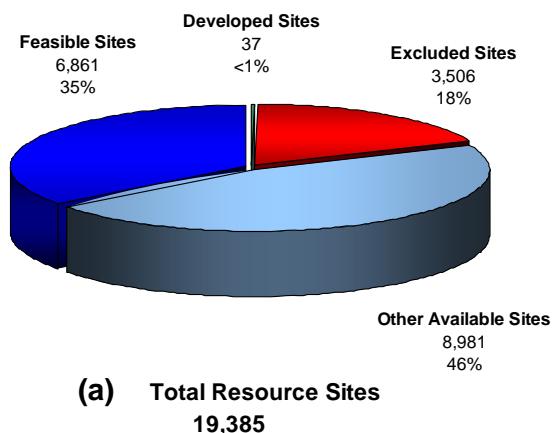
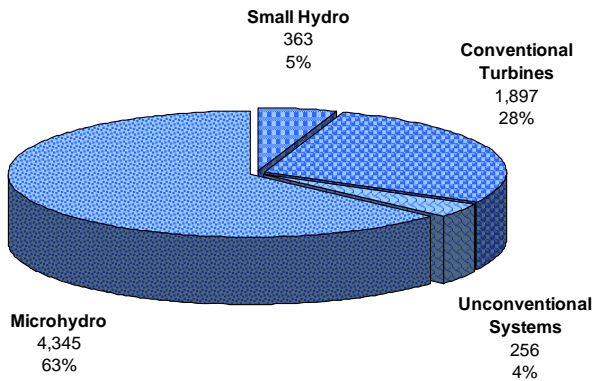


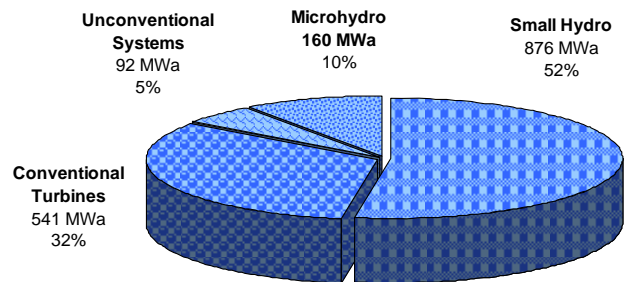
Figure B-126. Power category distribution of the (a) number and (b) total power potential of the water energy resource sites in Montana.

Table B-54. Summary of results of feasibility assessment of water energy resources in Montana.

Power Class	Available (MWa)	Feasible Sites (MWa)	Feasible Projects (MWa)
Total Power	6,904	4,890	1,669
Total High Power	4,650	3,617	876
Large Hydro	241	241	0
Small Hydro	4,408	3,375	876
Total Low Power	2,254	1,274	793
Conventional Turbines	1,822	1,045	541
Unconventional Systems	113	94	92
Microhydro	319	134	160

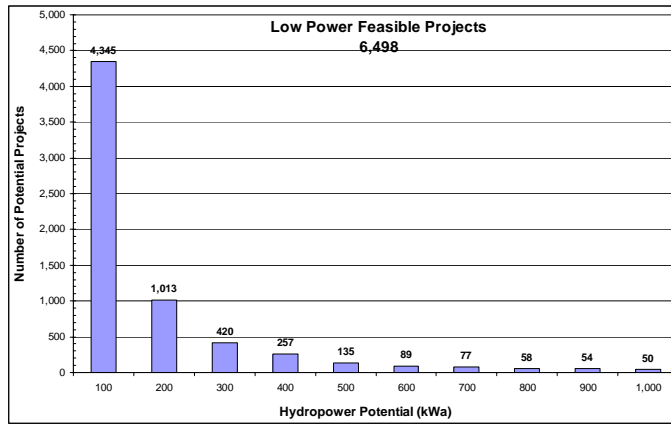


(a) Total Feasible Projects
6,861

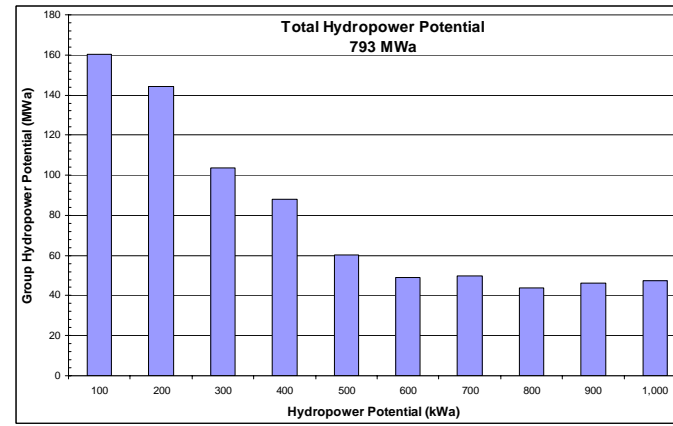


(b) Total Feasible Project Hydropower Potential
1,669 MWa

Figure B-127. Distribution of the (a) number and (b) total hydropower potential of the low power and small hydropower feasible projects in Montana with the low power projects divided into technology classes.

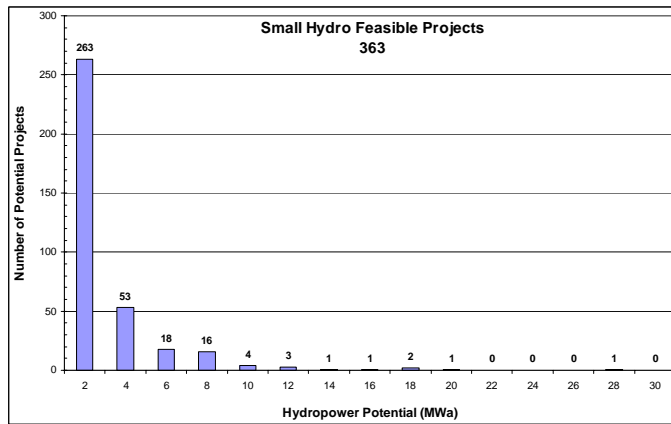


(a)

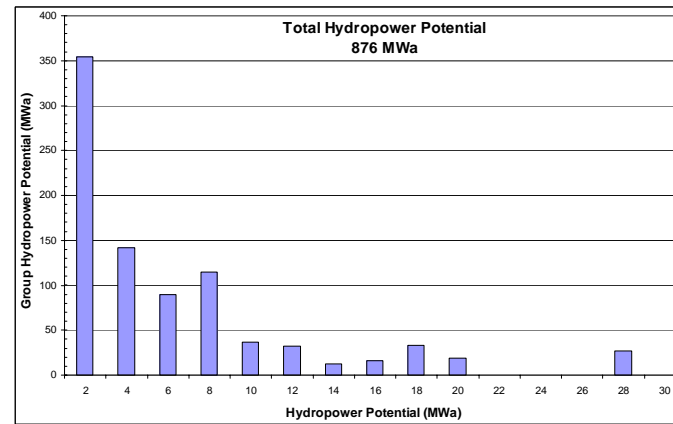


(b)

Figure B-128. Distributions of the (a) number and (b) group hydropower potential of low power feasible projects in Montana.



(a)



(b)

Figure B-129. Distributions of the (a) number and (b) group hydropower potential of small hydropower feasible projects in Montana.

B-110

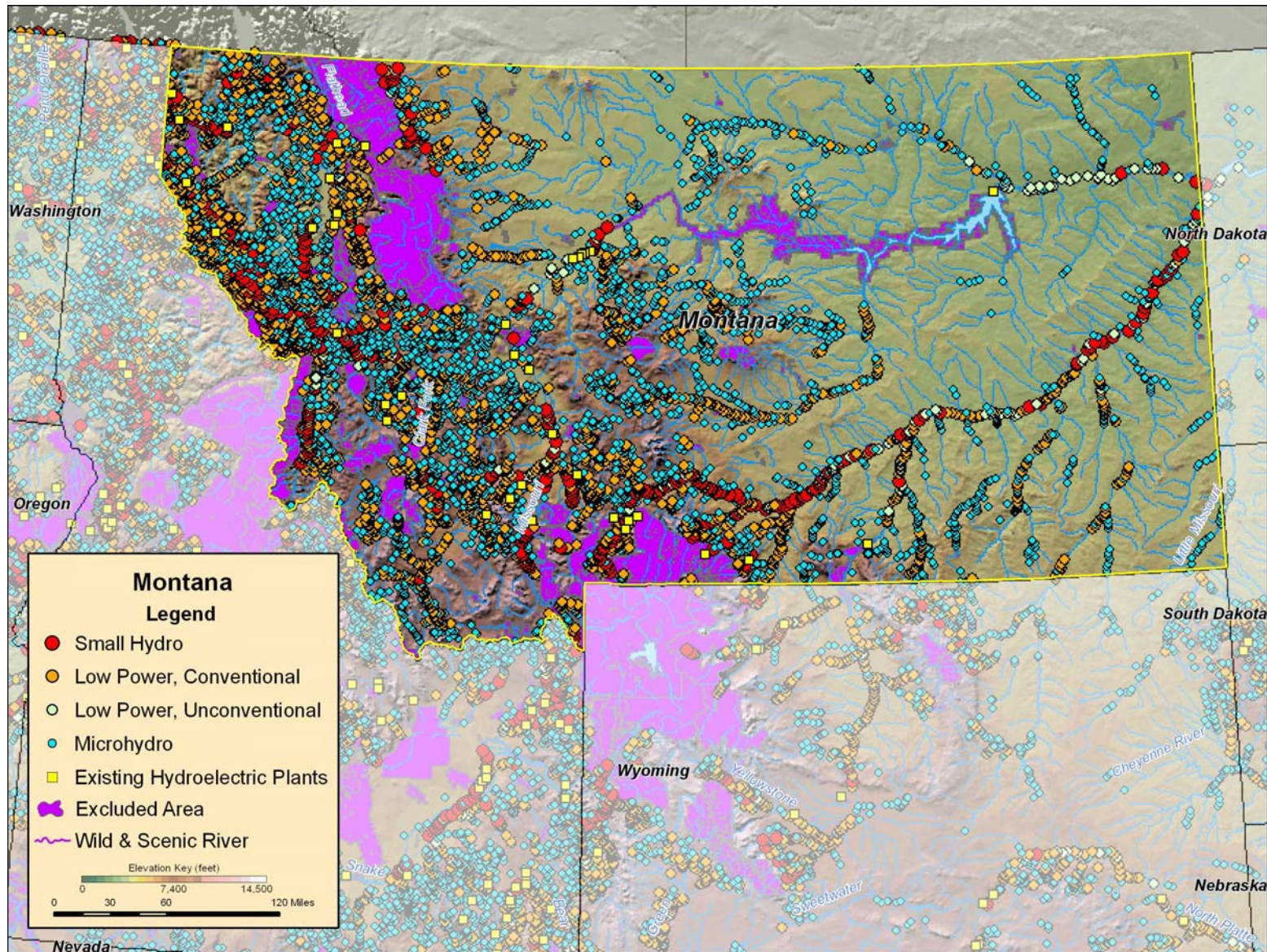
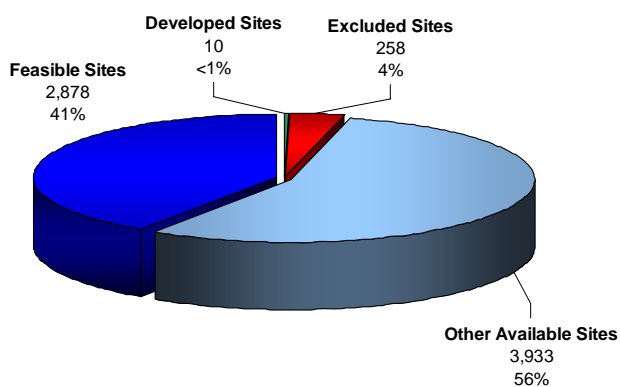


Figure B-130. Low power and small hydro feasible projects, and existing hydroelectric plants in Montana.

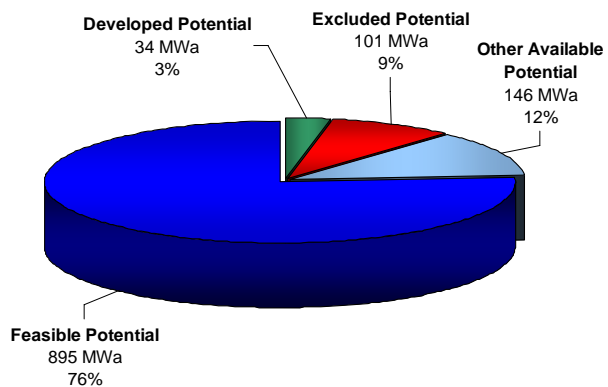
B.27 Nebraska

Table B-55. Summary of results of water energy resource assessment of Nebraska.

Power Class	Total (MWa)	Developed (MWa)	Federally Excluded (MWa)	Other Excluded (MWa)	Available (MWa)
Total Power	1,177	34	68	33	1,041
Total High Power	554	33	33	26	462
Large Hydro	0	0	0	0	0
Small Hydro	554	33	33	26	462
Total Low Power	623	1	35	7	579
Conventional Turbines	375	1	26	5	343
Unconventional Systems	78	0	6	0	72
Microhydro	169	0	3	2	164



(a) Total Resource Sites
7,079

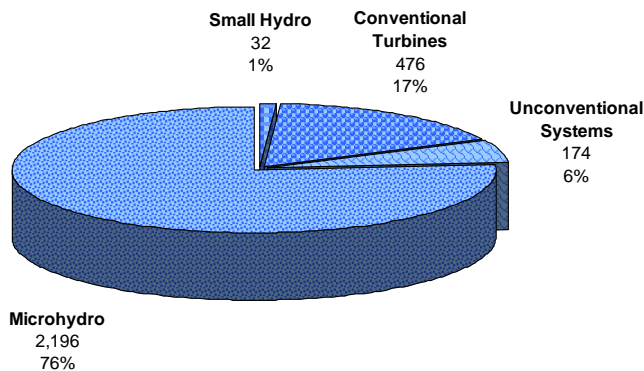


(b) Total Resource Potential
1,177 MWa

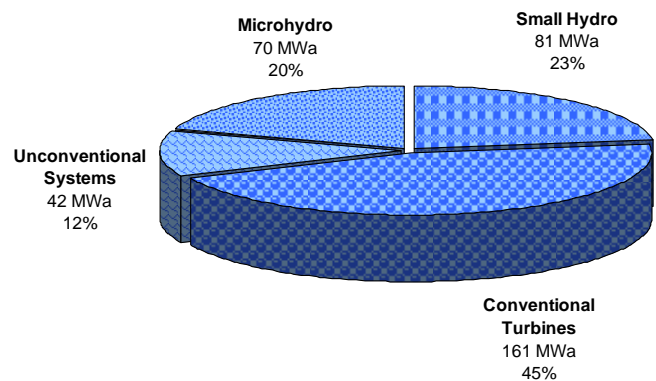
Figure B-131. Power category distribution of the (a) number and (b) total power potential of the water energy resource sites in Nebraska.

Table B-56. Summary of results of feasibility assessment of water energy resources in Nebraska.

Power Class	Available (MWa)	Feasible Sites (MWa)	Feasible Projects (MWa)
Total Power	1,041	895	354
Total High Power	462	451	81
Large Hydro	0	0	0
Small Hydro	462	451	81
Total Low Power	579	444	273
Conventional Turbines	343	293	161
Unconventional Systems	72	69	42
Microhydro	164	82	70

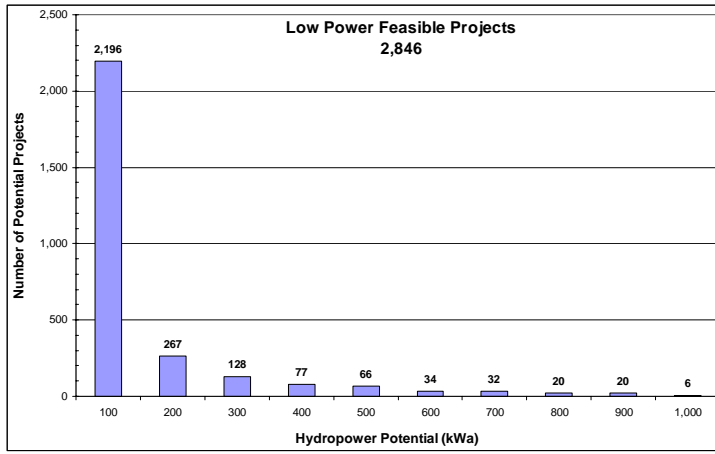


(a) Total Feasible Projects
2,878

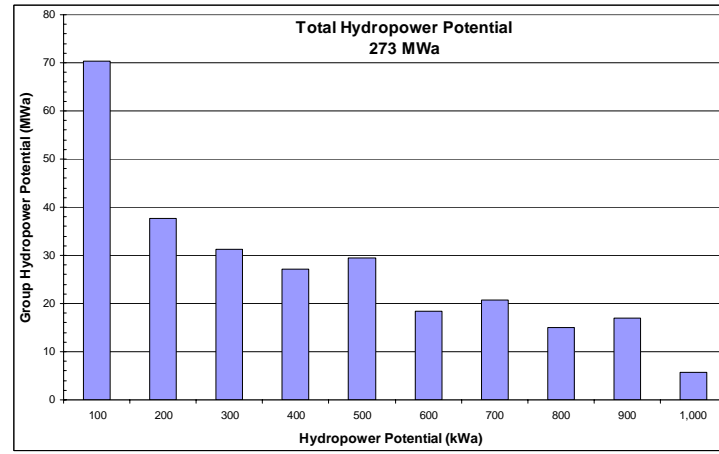


(b) Total Feasible Project Hydropower Potential
354 MWa

Figure B-132. Distribution of the (a) number and (b) total hydropower potential of the low power and small hydropower feasible projects in Nebraska with the low power projects divided into technology classes.

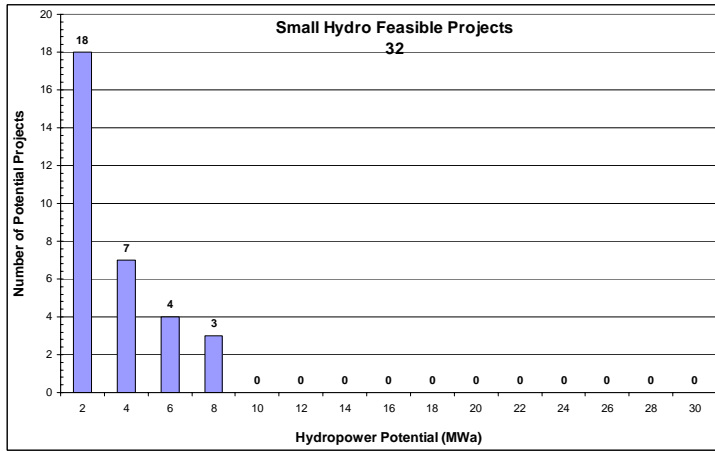


(a)

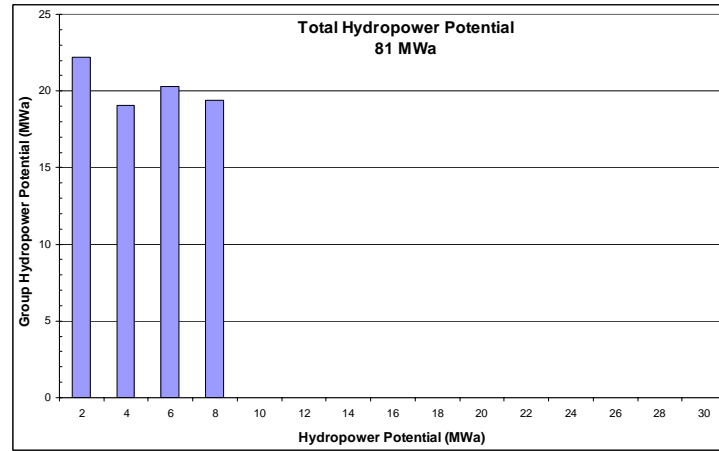


(b)

Figure B-133. Distributions of the (a) number and (b) group hydropower potential of low power feasible projects in Nebraska.

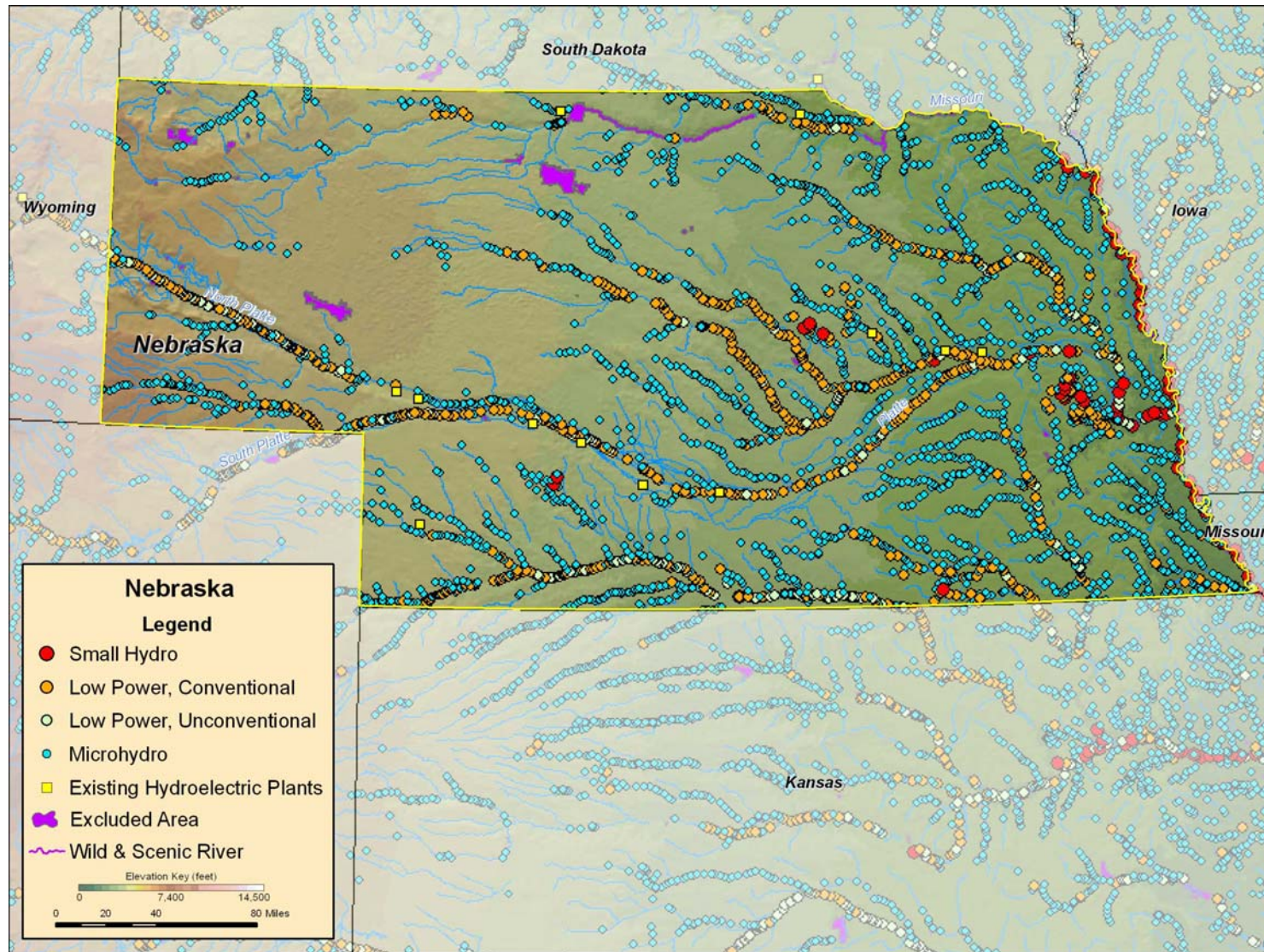


(a)



(b)

Figure B-134. Distributions of the (a) number and (b) group hydropower potential of small hydropower feasible projects in Nebraska.



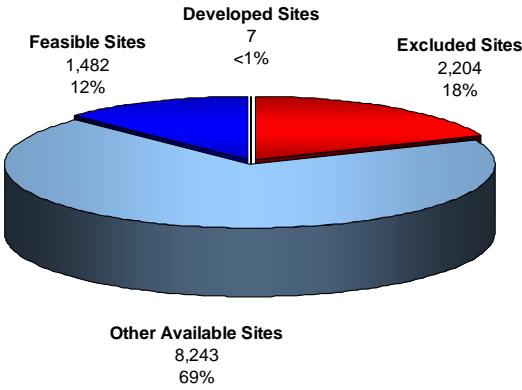
B-114

Figure B-135. Low power and small hydro feasible projects, and existing hydroelectric plants in Nebraska.

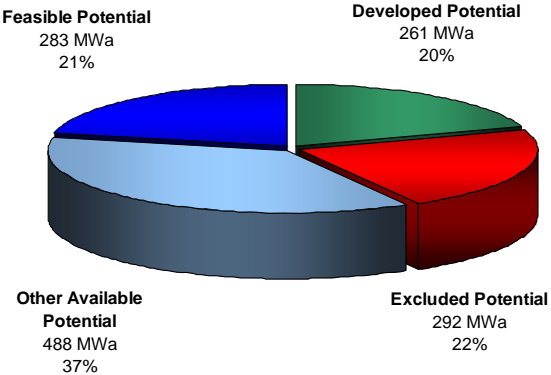
B.28 Nevada

Table B-57. Summary of results of water energy resource assessment of Nevada.

Power Class	Total (MWa)	Developed (MWa)	Federally Excluded (MWa)	Other Excluded (MWa)	Available (MWa)
Total Power	1,325	261	147	145	771
Total High Power	455	260	56	27	112
Large Hydro	257	257	0	0	0
Small Hydro	198	3	56	27	112
Total Low Power	870	1	91	118	659
Conventional Turbines	540	1	72	79	389
Unconventional Systems	9	0	1	0	8
Microhydro	321	0	19	39	263



(a) Total Resource Sites
11,936

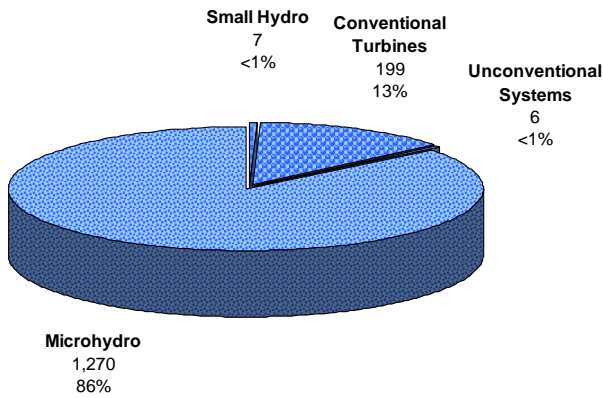


(b) Total Resource Potential
1,325 MWa

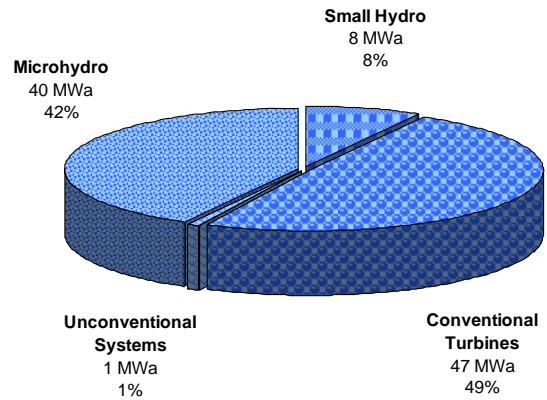
Figure B-136. Power category distribution of the (a) number and (b) total power potential of the water energy resource sites in Nevada.

Table B-58. Summary of results of feasibility assessment of water energy resources in Nevada.

Power Class	Available (MWa)	Feasible Sites (MWa)	Feasible Projects (MWa)
Total Power	771	283	95
Total High Power	112	78	8
Large Hydro	0	0	0
Small Hydro	112	78	8
Total Low Power	659	205	87
Conventional Turbines	389	156	47
Unconventional Systems	8	6	1
Microhydro	263	43	40

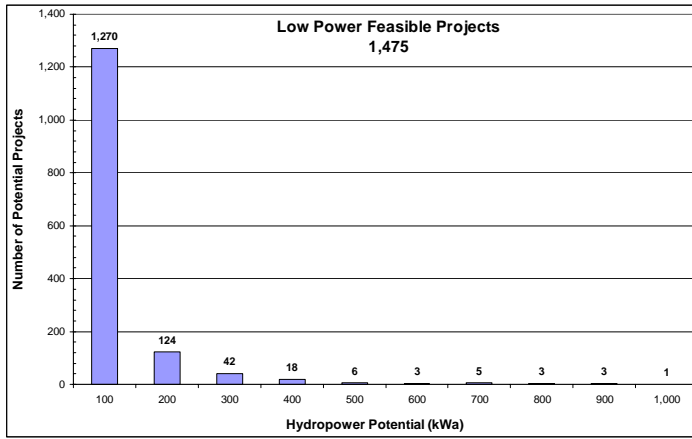


(a) Total Feasible Projects
1,482

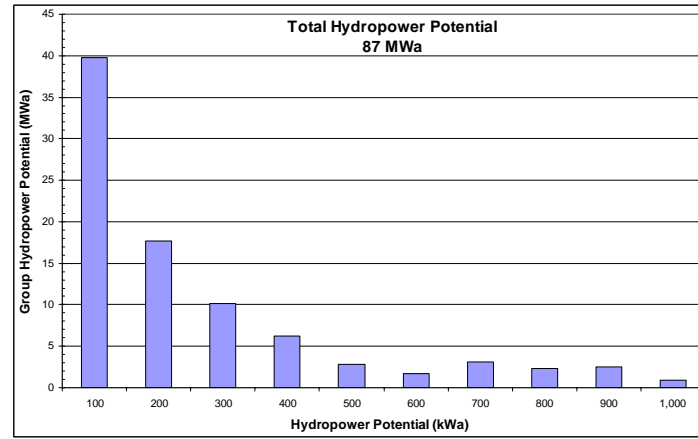


(b) Total Feasible Project Hydropower Potential
95 MWa

Figure B-137. Distribution of the (a) number and (b) total hydropower potential of the low power and small hydropower feasible projects in Nevada with the low power projects divided into technology classes.

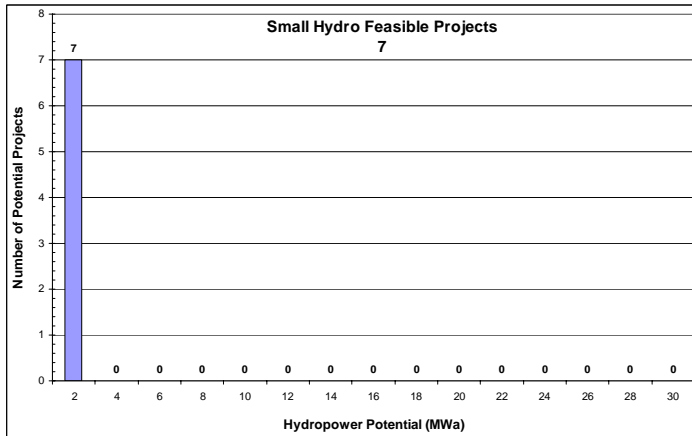


(a)

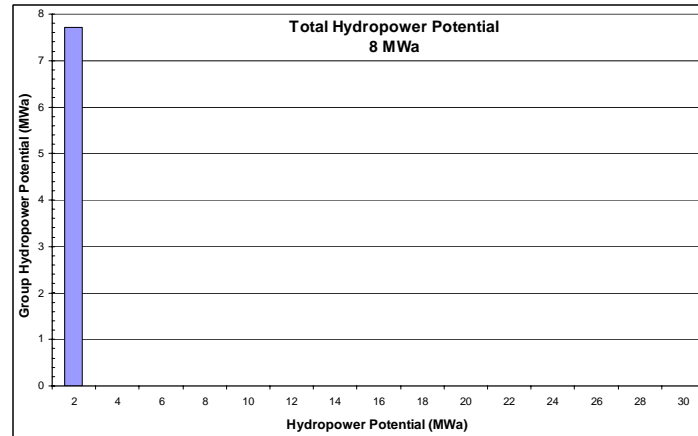


(b)

Figure B-138. Distributions of the (a) number and (b) group hydropower potential of low power feasible projects in Nevada.



(a)



(b)

Figure B-139. Distributions of the (a) number and (b) group hydropower potential of small hydropower feasible projects in Nevada.

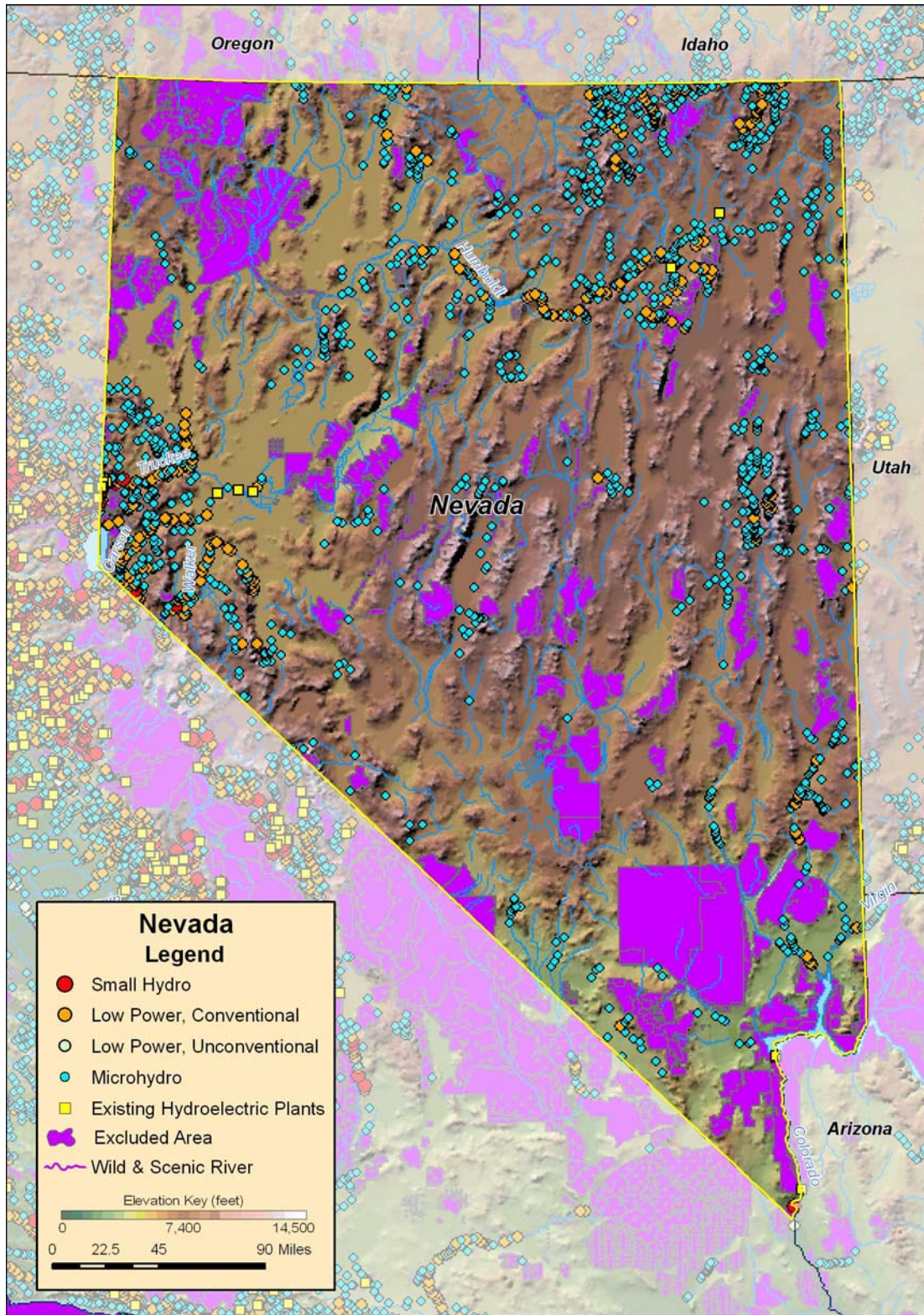


Figure B-140. Low power and small hydro feasible projects, and existing hydroelectric plants in Nevada.

B.29 New Hampshire

Table B-59. Summary of results of water energy resource assessment of New Hampshire.

Power Class	Total (MWa)	Developed (MWa)	Federally Excluded (MWa)	Other Excluded (MWa)	Available (MWa)
Total Power	1,066	106	54	110	797
Total High Power	695	94	39	48	515
Large Hydro	50	0	0	0	50
Small Hydro	645	94	39	48	465
Total Low Power	371	13	15	62	282
Conventional Turbines	318	10	14	55	239
Unconventional Systems	15	1	0	1	13
Microhydro	38	1	0	6	31

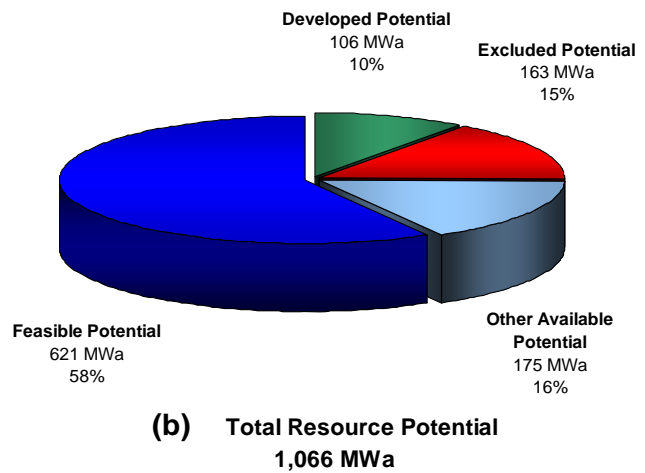
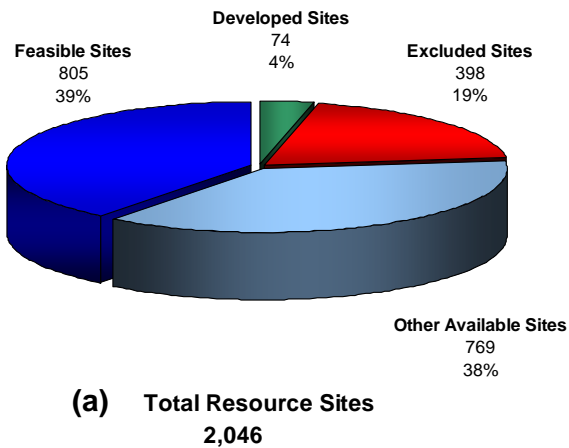
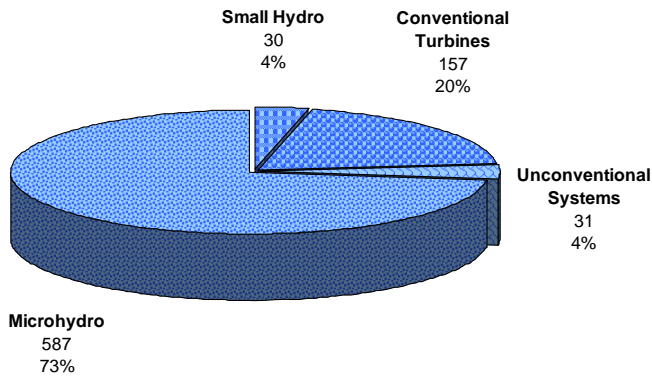


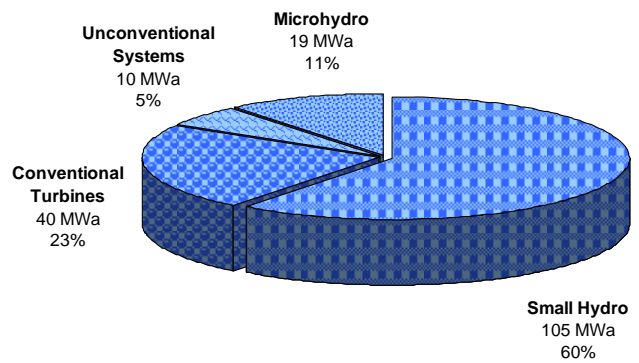
Figure B-141. Power category distribution of the (a) number and (b) total power potential of the water energy resource sites in New Hampshire.

Table B-60. Summary of results of feasibility assessment of water energy resources in New Hampshire.

Power Class	Available (MWa)	Feasible Sites (MWa)	Feasible Projects (MWa)
Total Power	797	621	174
Total High Power	515	456	105
Large Hydro	50	50	0
Small Hydro	465	406	105
Total Low Power	282	166	69
Conventional Turbines	239	141	40
Unconventional Systems	13	11	10
Microhydro	31	14	19

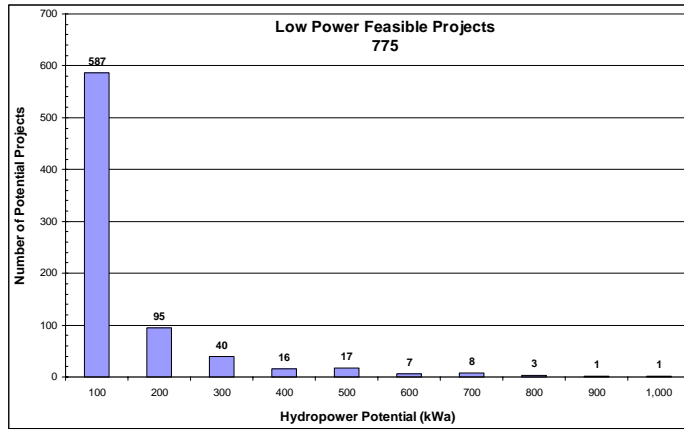


(a) Total Feasible Projects
805

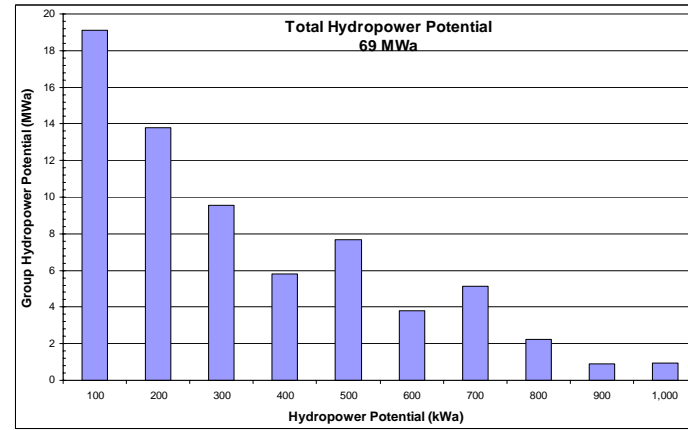


(b) Total Feasible Project Hydropower Potential
174 MWa

Figure B-142. Distribution of the (a) number and (b) total hydropower potential of the low power and small hydropower feasible projects in New Hampshire with the low power projects divided into technology classes.

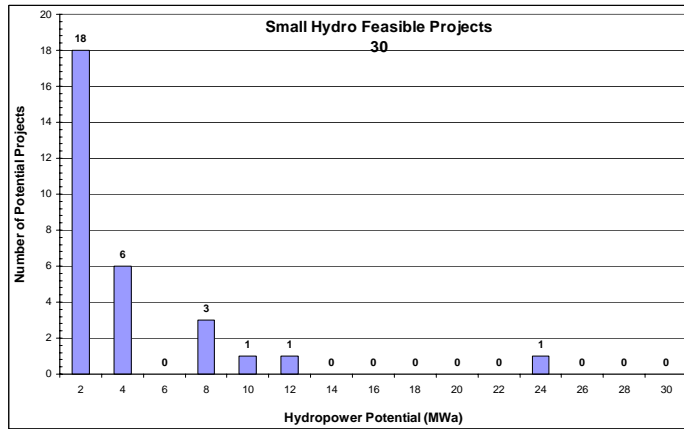


(a)

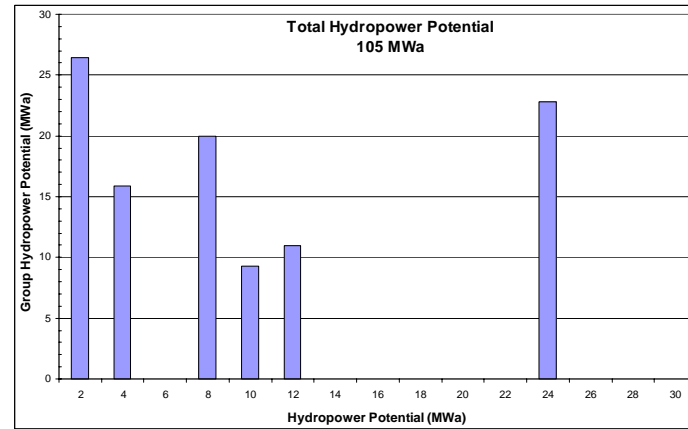


(b)

Figure B-143. Distributions of the (a) number and (b) group hydropower potential of low power feasible projects in New Hampshire.



(a)



(b)

Figure B-144. Distributions of the (a) number and (b) group hydropower potential of small hydropower feasible projects in New Hampshire.

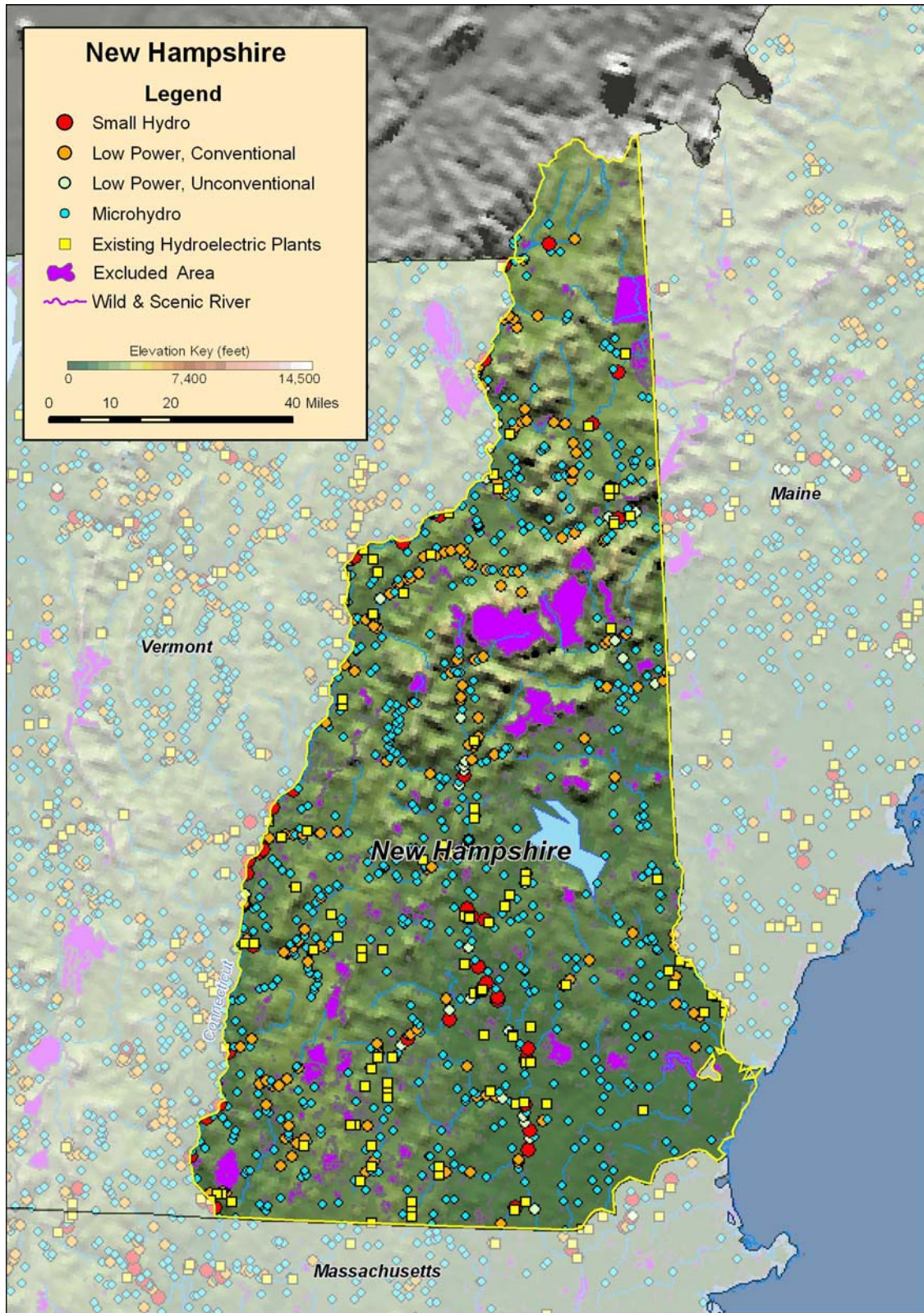
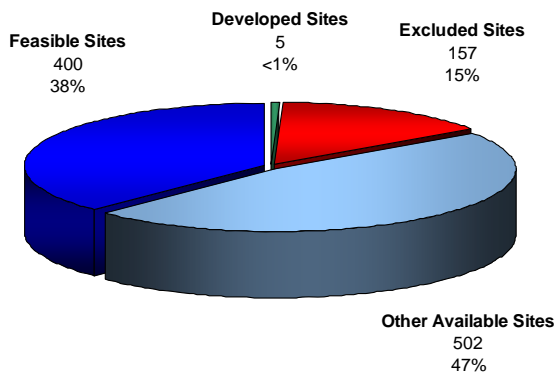


Figure B-145. Low power and small hydropower feasible projects, and existing hydroelectric plants in New Hampshire.

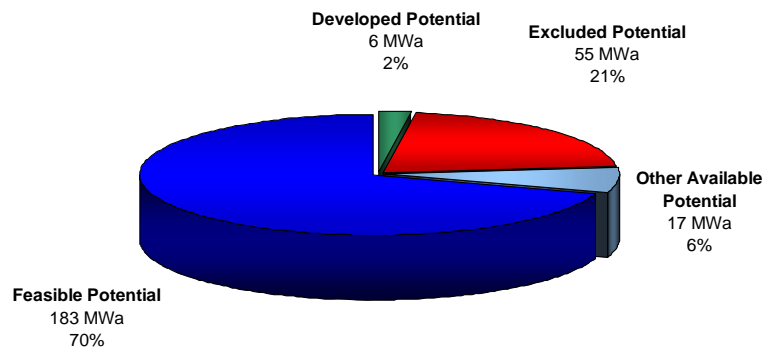
B.30 New Jersey

Table B-61. Summary of results of water energy resource assessment of New Jersey.

Power Class	Total (MWa)	Developed (MWa)	Federally Excluded (MWa)	Other Excluded (MWa)	Available (MWa)
Total Power	261	6	15	41	200
Total High Power	167	5	7	29	125
Large Hydro	0	0	0	0	0
Small Hydro	167	5	7	29	125
Total Low Power	94	1	7	11	75
Conventional Turbines	62	1	4	9	49
Unconventional Systems	6	0	1	1	4
Microhydro	26	0	2	2	23



(a) Total Resource Sites
1,064

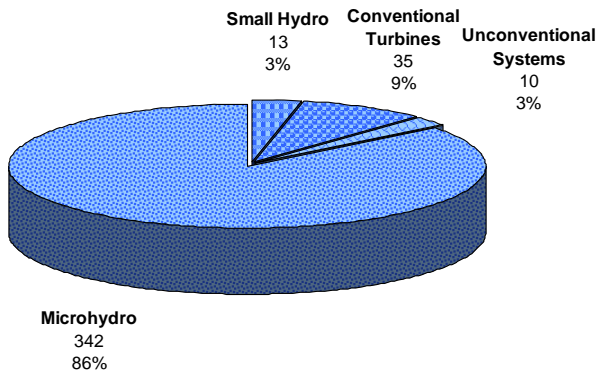


(b) Total Resource Potential
261 MWa

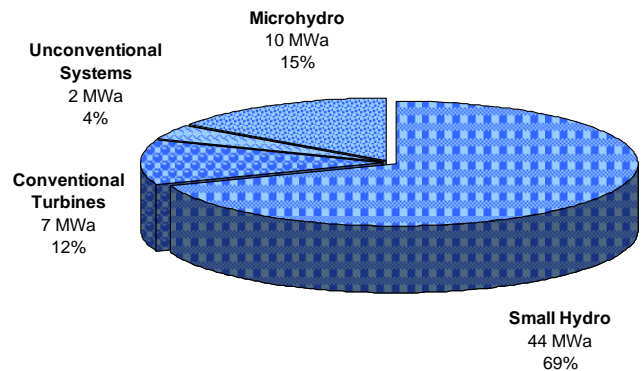
Figure B-146. Power category distribution of the (a) number and (b) total power potential of the water energy resource sites in New Jersey.

Table B-62. Summary of results of feasibility assessment of water energy resources in New Jersey.

Power Class	Available (MWa)	Feasible Sites (MWa)	Feasible Projects (MWa)
Total Power	200	183	63
Total High Power	125	125	44
Large Hydro	0	0	0
Small Hydro	125	125	44
Total Low Power	75	58	20
Conventional Turbines	49	44	7
Unconventional Systems	4	4	2
Microhydro	23	10	10

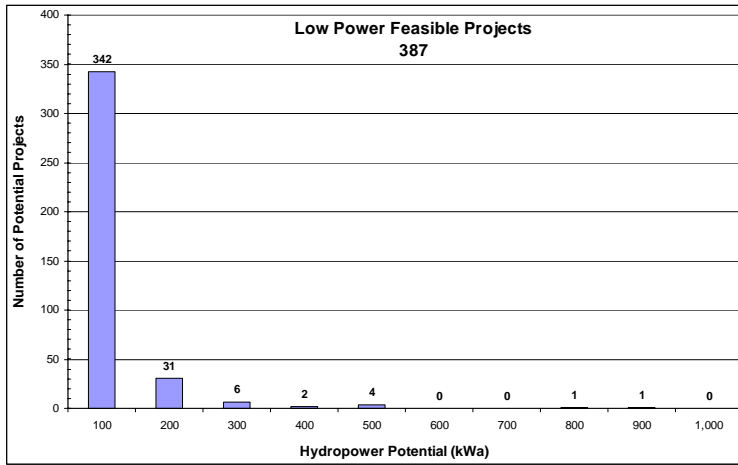


(a) Total Feasible Projects
400

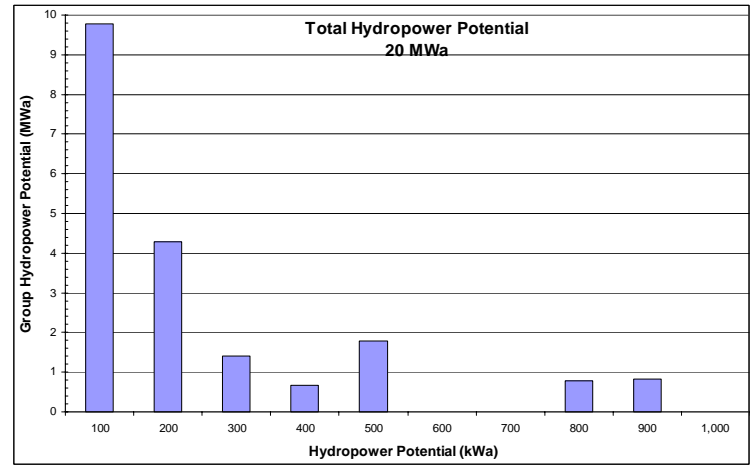


(b) Total Feasible Project Hydropower Potential
63 MWa

Figure B-147. Distribution of the (a) number and (b) total hydropower potential of the low power and small hydropower feasible projects in New Jersey with the low power projects divided into technology classes.

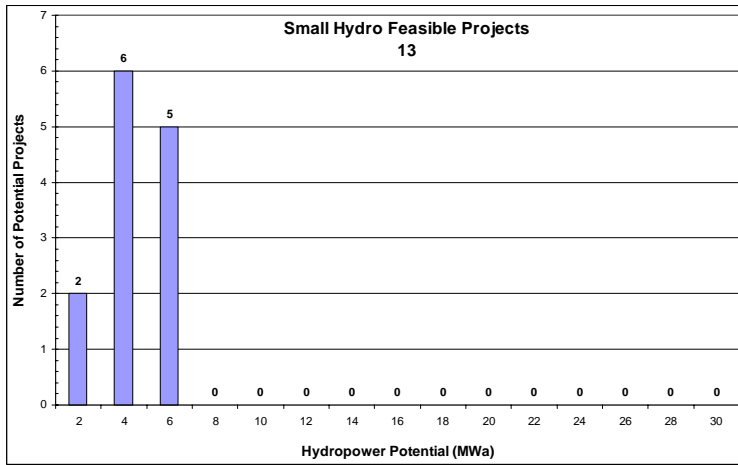


(a)

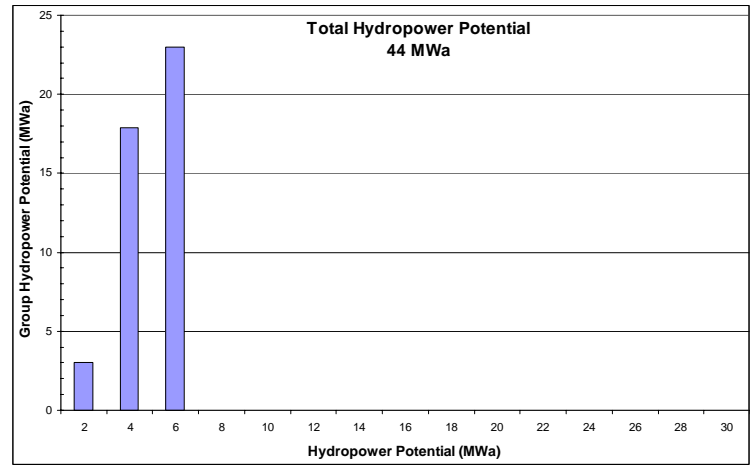


(b)

Figure B-148. Distributions of the (a) number and (b) group hydropower potential of low power feasible projects in New Jersey.



(a)



(b)

Figure B-149. Distributions of the (a) number and (b) group hydropower potential of small hydropower feasible projects in New Jersey.

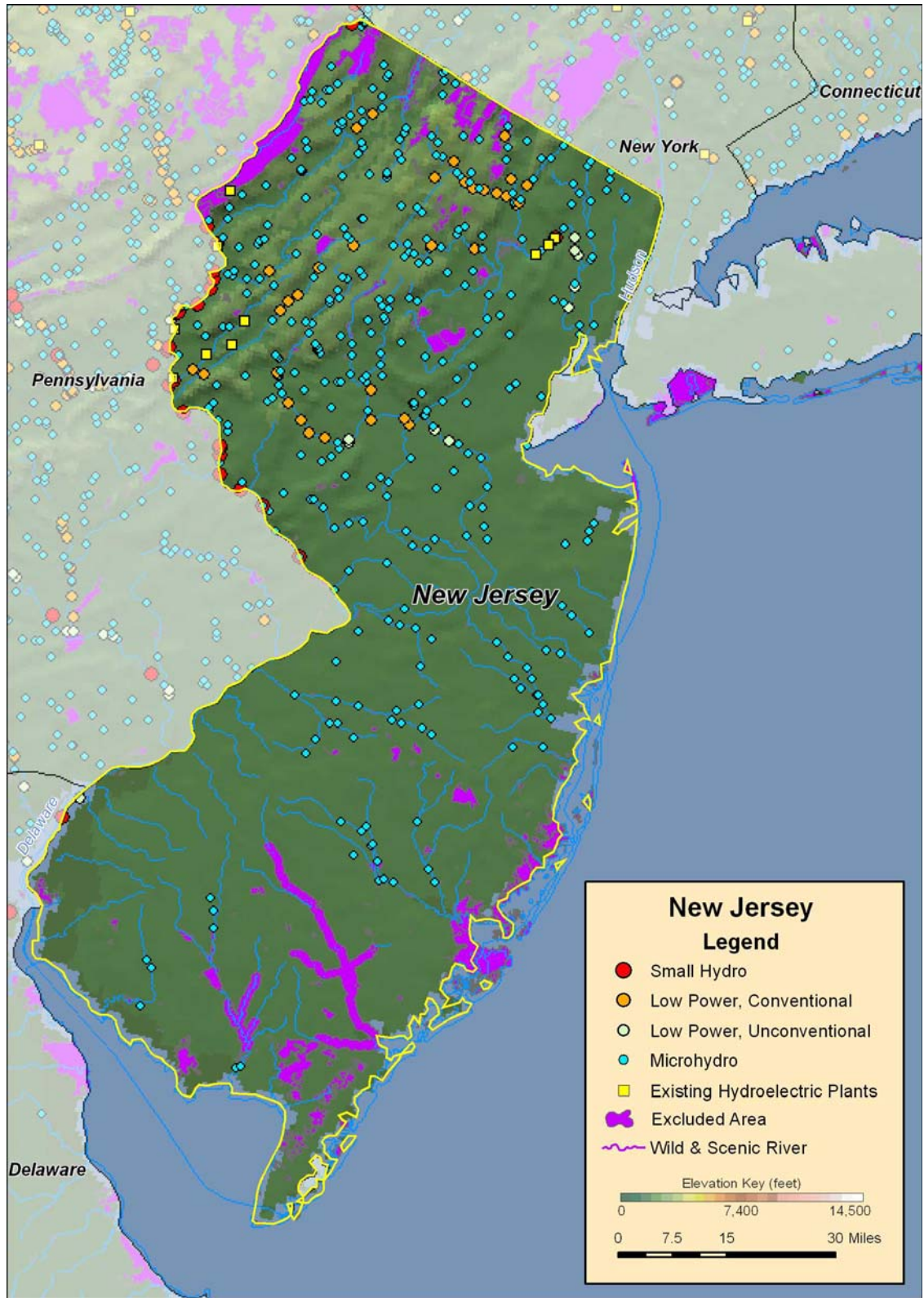
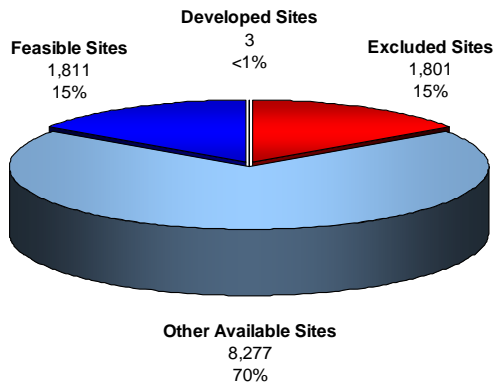


Figure B-150. Low power and small hydro feasible projects, and existing hydroelectric plants in New Jersey.

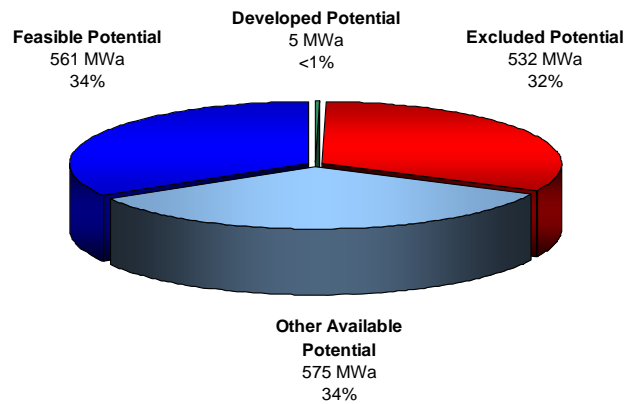
B.31 New Mexico

Table B-63. Summary of results of water energy resource assessment of New Mexico.

Power Class	Total (MWa)	Developed (MWa)	Federally Excluded (MWa)	Other Excluded (MWa)	Available (MWa)
Total Power	1,674	5	315	217	1,136
Total High Power	586	5	171	106	304
Large Hydro	36	0	0	36	0
Small Hydro	551	5	171	70	304
Total Low Power	1,087	0	144	111	832
Conventional Turbines	755	0	123	86	545
Unconventional Systems	40	0	3	2	34
Microhydro	293	0	18	23	252



(a) Total Resource Sites
11,892



(b) Total Resource Potential
1,674 MWa

Figure B-151. Power category distribution of the (a) number and (b) total power potential of the water energy resource sites in New Mexico.

Table B-64. Summary of results of feasibility assessment of water energy resources in New Mexico.

Power Class	Available (MWa)	Feasible Sites (MWa)	Feasible Projects (MWa)
Total Power	1,136	561	156
Total High Power	304	229	13
Large Hydro	0	0	0
Small Hydro	304	229	13
Total Low Power	832	332	143
Conventional Turbines	545	259	83
Unconventional Systems	34	31	14
Microhydro	252	42	46

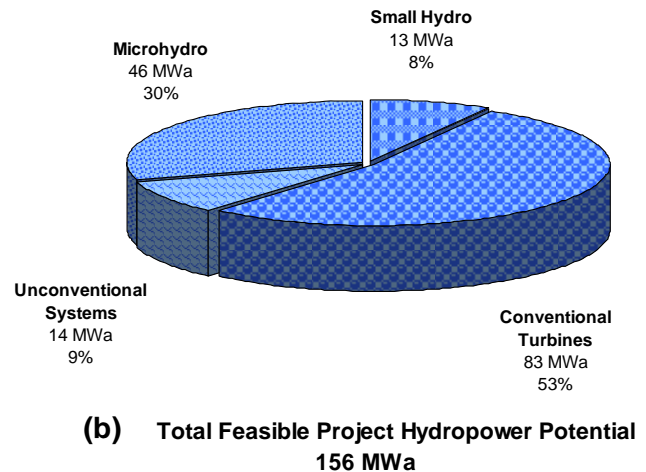
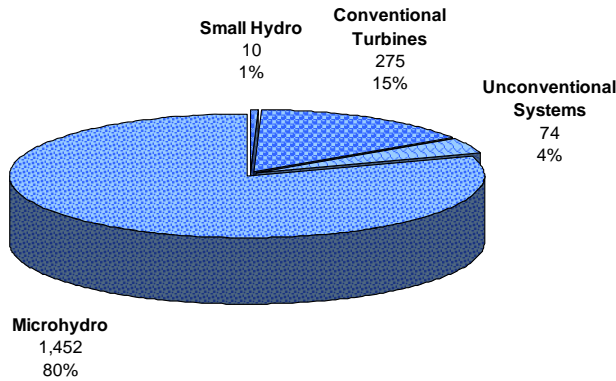
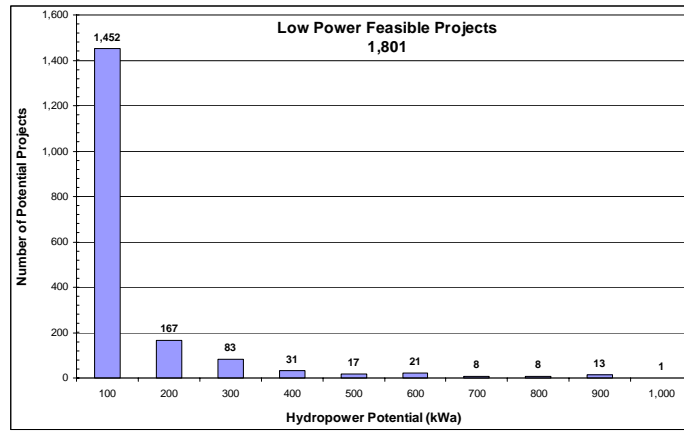
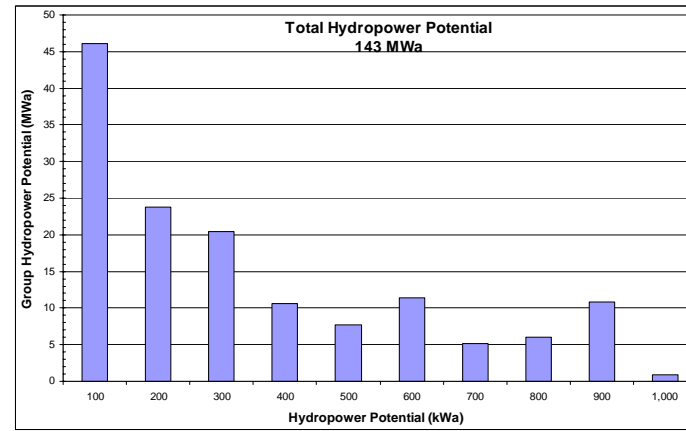


Figure B-152. Distribution of the (a) number and (b) total hydropower potential of the low power and small hydropower feasible projects in New Mexico with the low power projects divided into technology classes.

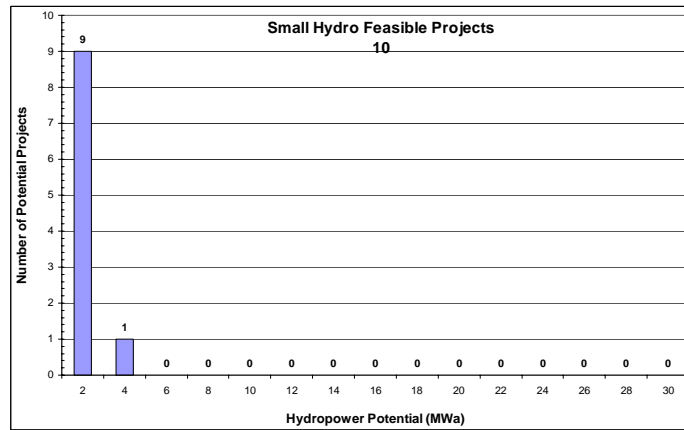


(a)

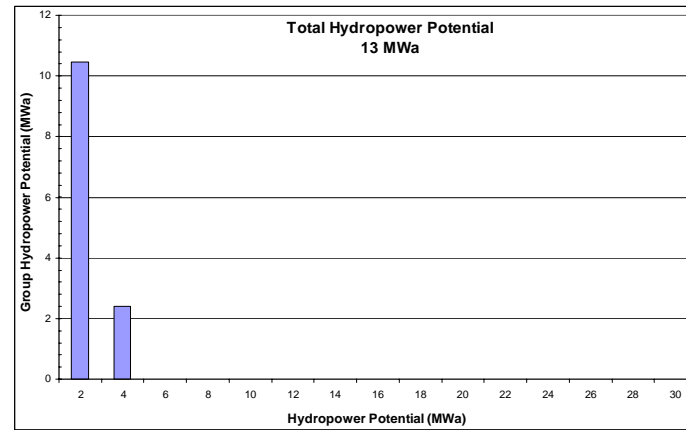


(b)

Figure B-153. Distributions of the (a) number and (b) group hydropower potential of low power feasible projects in New Mexico.



(a)



(b)

Figure B-154. Distributions of the (a) number and (b) group hydropower potential of small hydropower feasible projects in New Mexico.

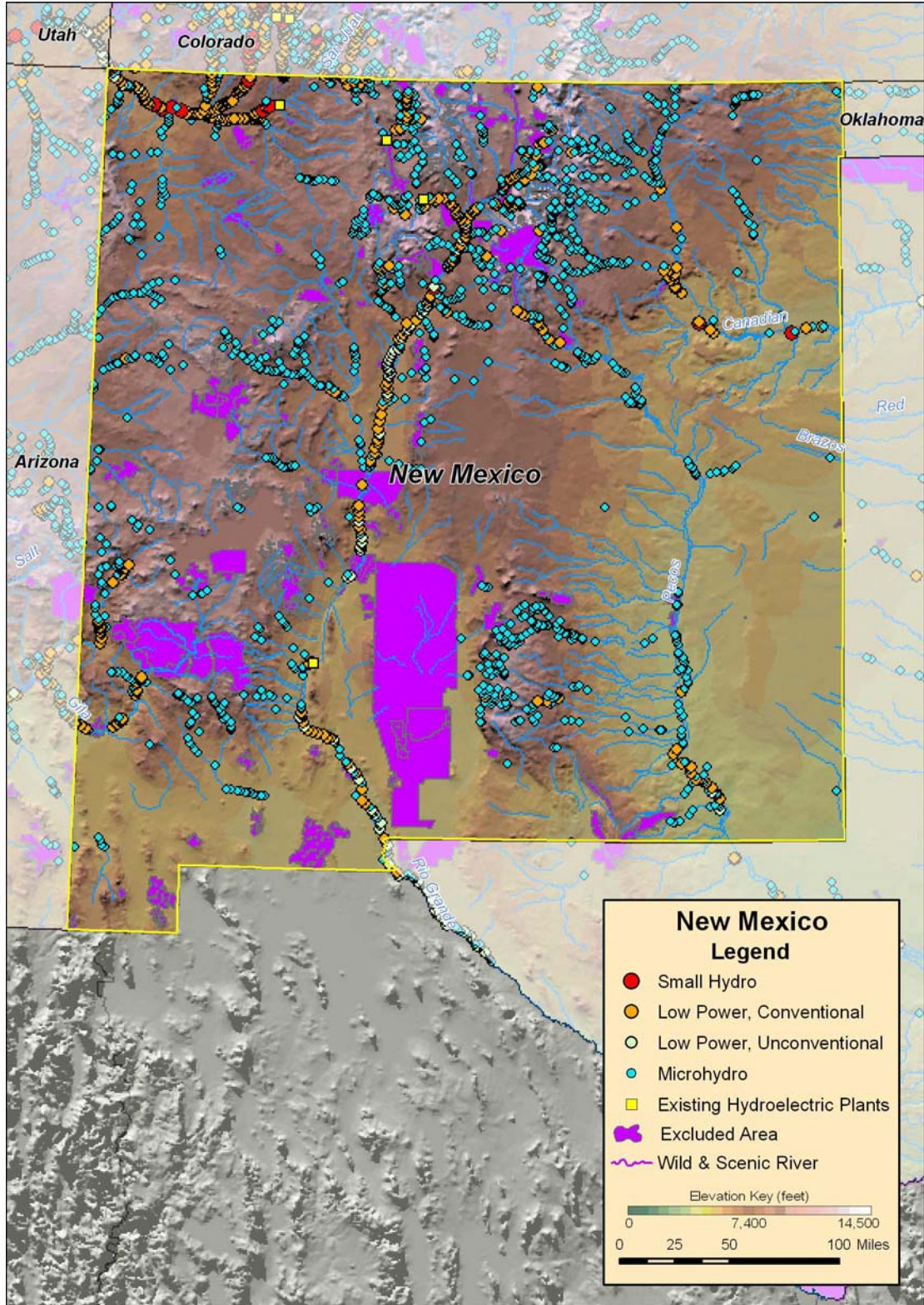
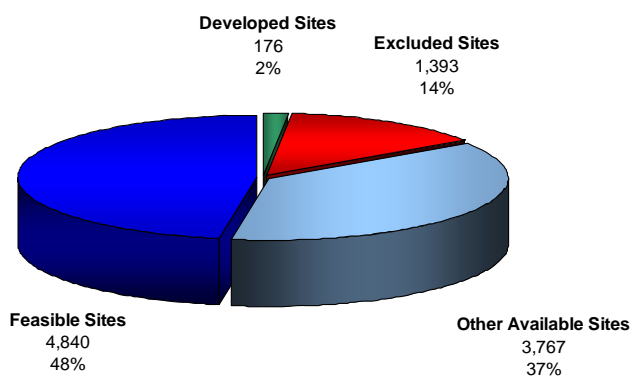


Figure B-155. Low power and small hydro feasible projects, and existing hydroelectric plants in New Mexico.

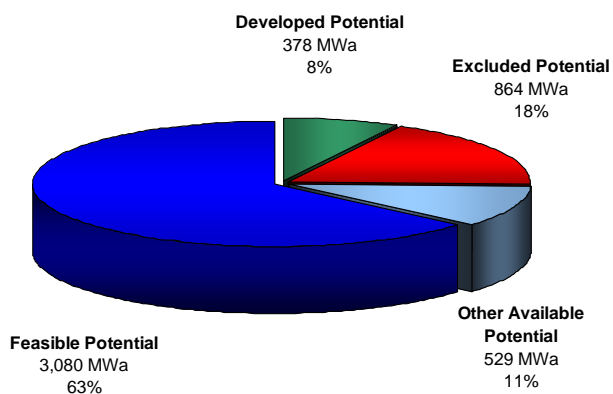
B.32 New York

Table B-65. Summary of results of water energy resource assessment of New York.

Power Class	Total (MWa)	Developed (MWa)	Federally Excluded (MWa)	Other Excluded (MWa)	Available (MWa)
Total Power	4,851	378	98	767	3,609
Total High Power	3,308	346	88	509	2,365
Large Hydro	481	83	0	0	399
Small Hydro	2,827	263	88	509	1,967
Total Low Power	1,543	32	10	258	1,244
Conventional Turbines	1,256	26	8	235	987
Unconventional Systems	69	4	1	1	63
Microhydro	218	2	1	22	194



(a) Total Resource Sites
10,176

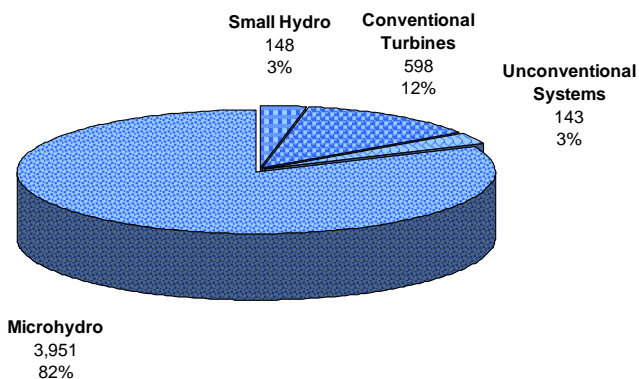


(a) Total Resource Potential
4,851 MWa

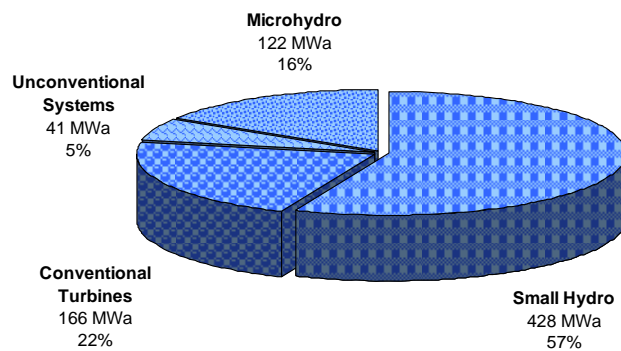
Figure B-156. Power category distribution of the (a) number and (b) total power potential of the water energy resource sites in New York.

Table B-66. Summary of results of feasibility assessment of water energy resources in New York.

Power Class	Available (MWa)	Feasible Sites (MWa)	Feasible Projects (MWa)
Total Power	3,609	3,080	757
Total High Power	2,365	2,138	428
Large Hydro	399	399	0
Small Hydro	1,967	1,739	428
Total Low Power	1,244	942	329
Conventional Turbines	987	790	166
Unconventional Systems	63	60	41
Microhydro	194	93	122

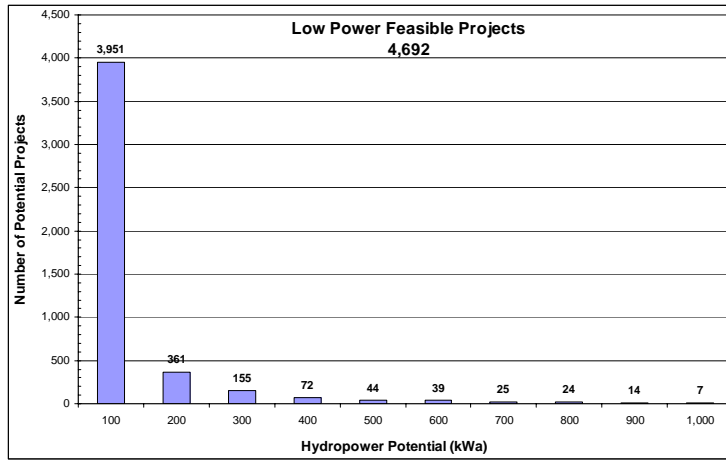


(a) Total Feasible Projects
4,840

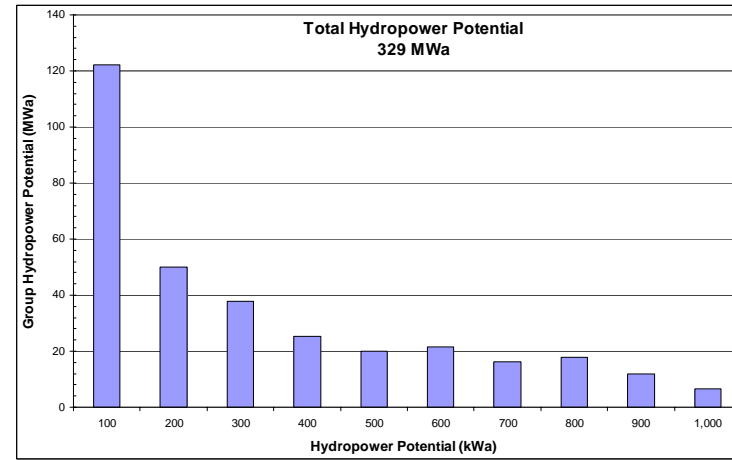


(b) Total Feasible Project Hydropower Potential
757 MWa

Figure B-157. Distribution of the (a) number and (b) total hydropower potential of the low power and small hydropower feasible projects in New York with the low power projects divided into technology classes.

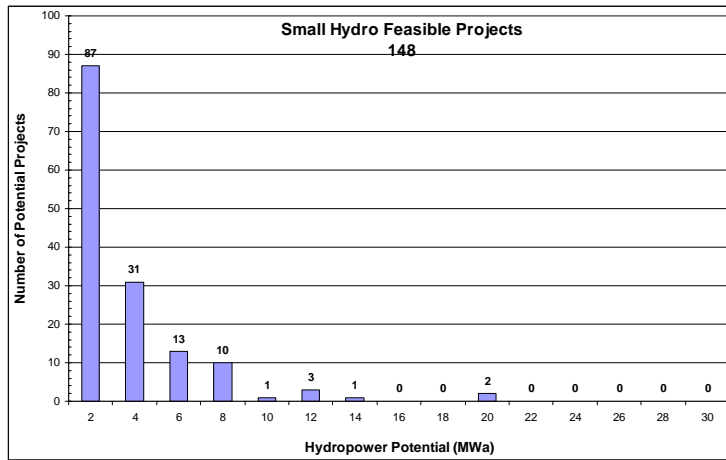


(a)

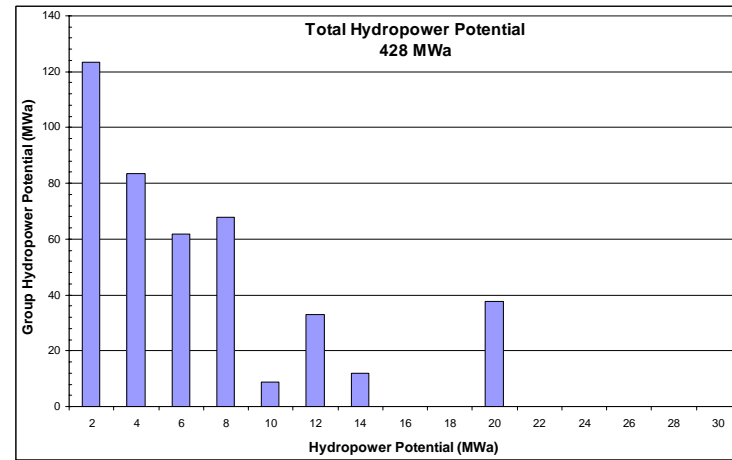


(b)

Figure B-158. Distributions of the (a) number and (b) group hydropower potential of low power feasible projects in New York.

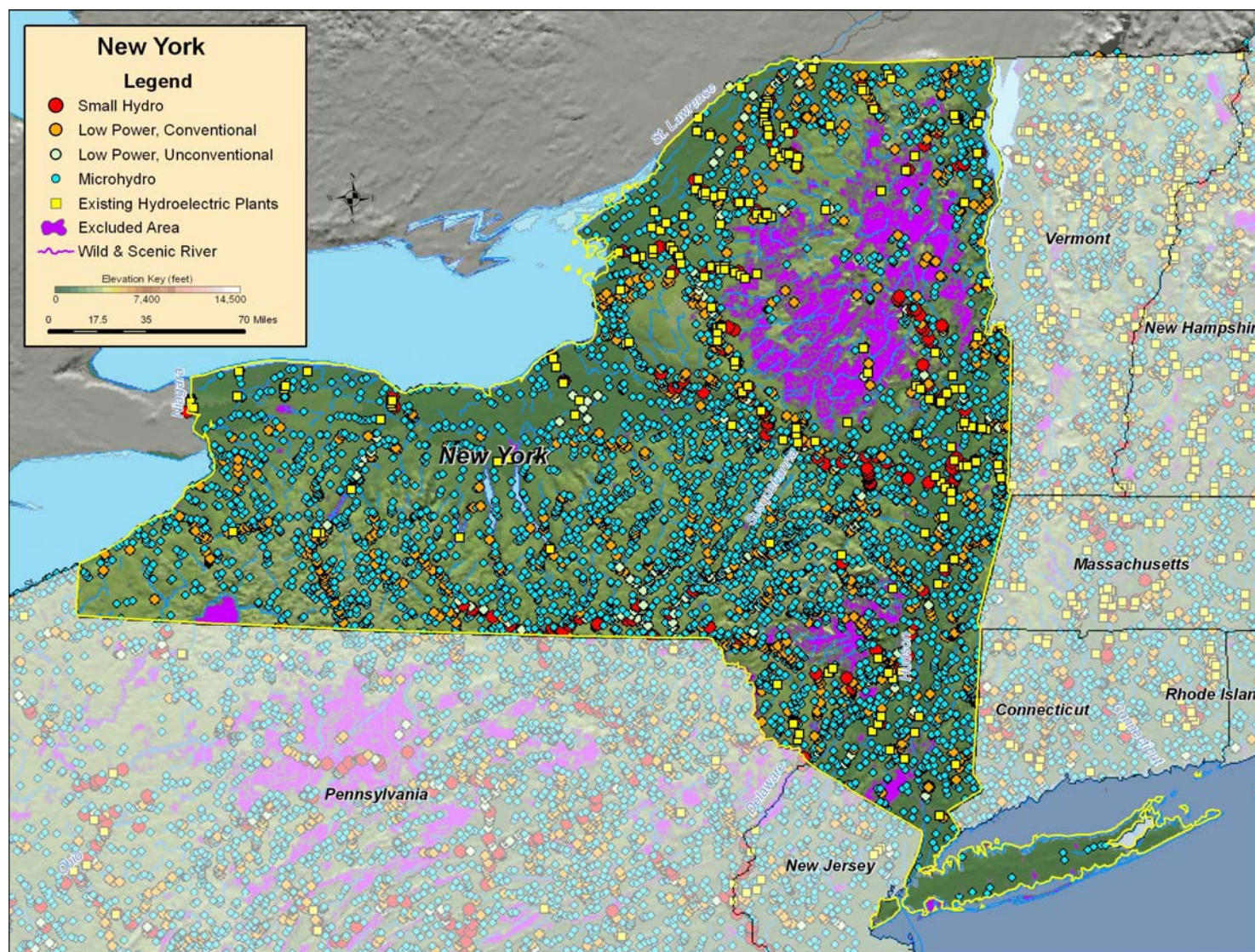


(a)



(b)

Figure B-159. Distributions of the (a) number and (b) group hydropower potential of small hydropower feasible projects in New York.



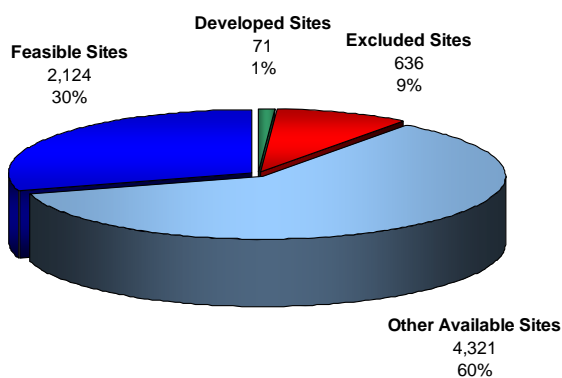
B-134

Figure B-160. Low power and small hydropower feasible projects, and existing hydroelectric plants in New York.

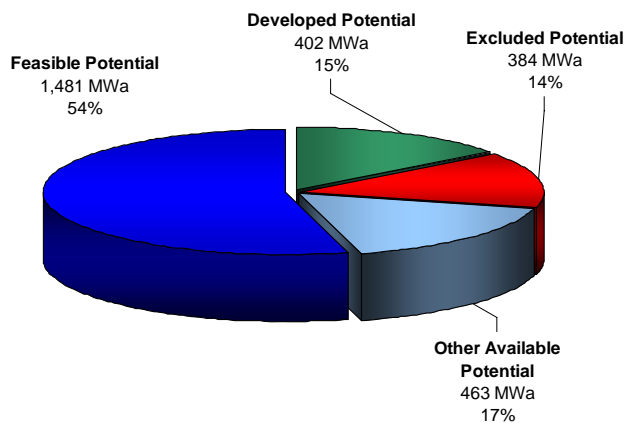
B.33 North Carolina

Table B-67. Summary of results of water energy resource assessment of North Carolina.

Power Class	Total (MWa)	Developed (MWa)	Federally Excluded (MWa)	Other Excluded (MWa)	Available (MWa)
Total Power	2,731	402	256	129	1,944
Total High Power	1,896	388	186	89	1,234
Large Hydro	403	181	0	0	222
Small Hydro	1,493	206	186	89	1,012
Total Low Power	835	15	70	39	711
Conventional Turbines	599	13	64	27	496
Unconventional Systems	74	1	3	5	66
Microhydro	161	1	3	8	149



(a) Total Resource Sites
7,152



(b) Total Resource Potential
2,731 MWa

Figure B-161. Power category distribution of the (a) number and (b) total power potential of the water energy resource sites in North Carolina.

Table B-68. Summary of results of feasibility assessment of water energy resources in North Carolina.

Power Class	Available (MWa)	Feasible Sites (MWa)	Feasible Projects (MWa)
Total Power	1,944	1,481	348
Total High Power	1,234	1,014	199
Large Hydro	222	169	0
Small Hydro	1,012	845	199
Total Low Power	711	467	150
Conventional Turbines	496	371	69
Unconventional Systems	66	62	28
Microhydro	149	34	53

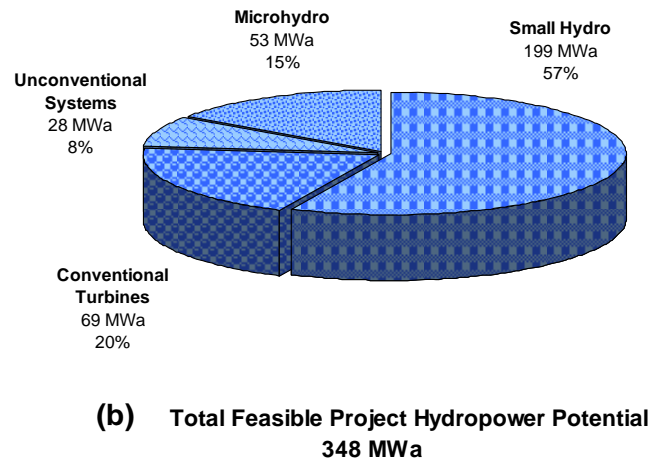
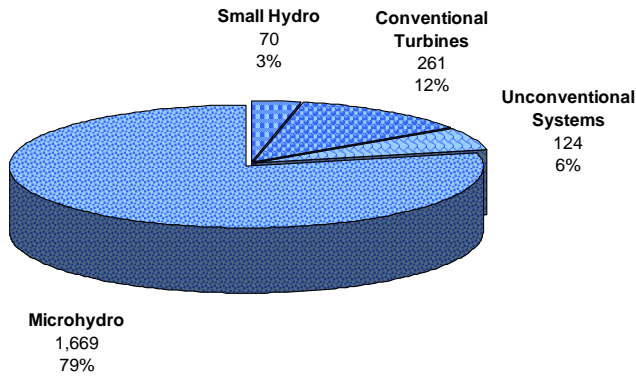
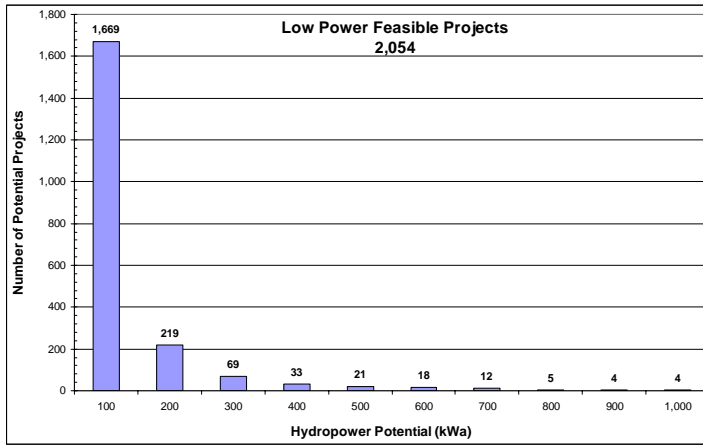
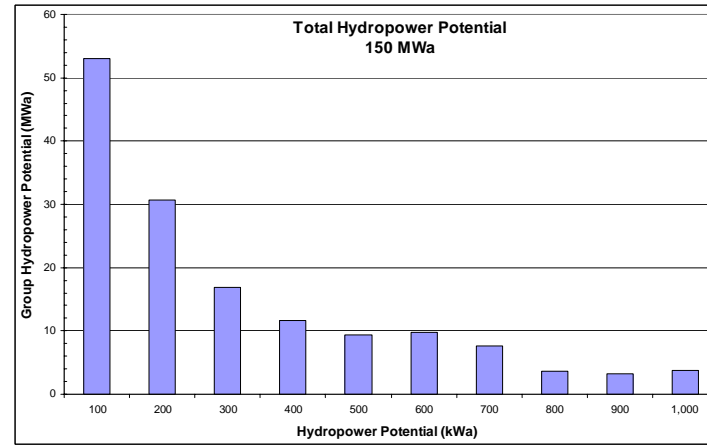


Figure B-162. Distribution of the (a) number and (b) total hydropower potential of the low power and small hydropower feasible projects in North Carolina with the low power projects divided into technology classes.

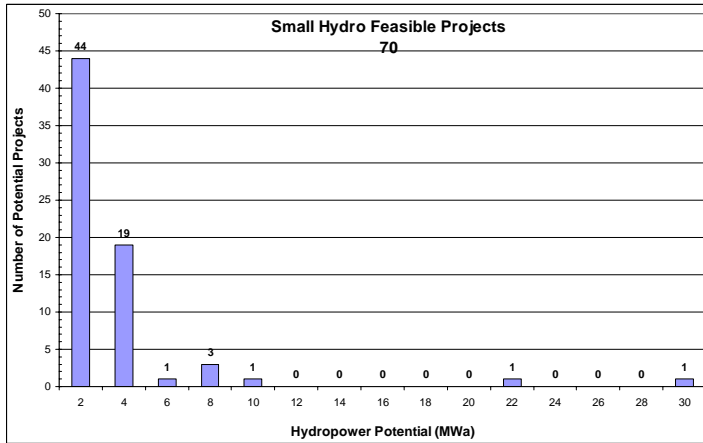


(a)

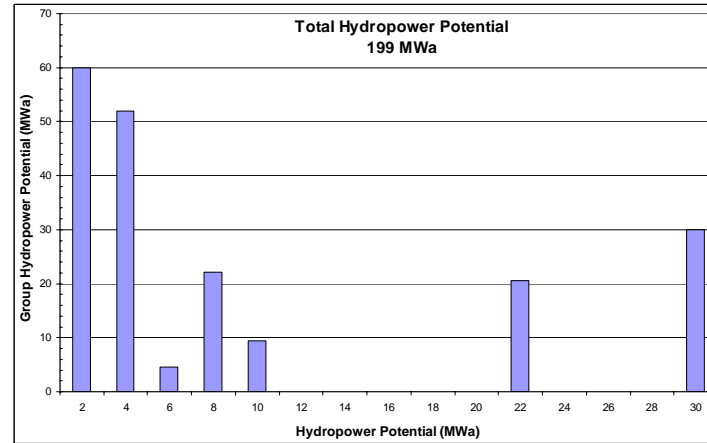


(b)

Figure B-163. Distributions of the (a) number and (b) group hydropower potential of low power feasible projects in North Carolina.



(a)



(b)

Figure B-164. Distributions of the (a) number and (b) group hydropower potential of small hydropower feasible projects in North Carolina.

B-138

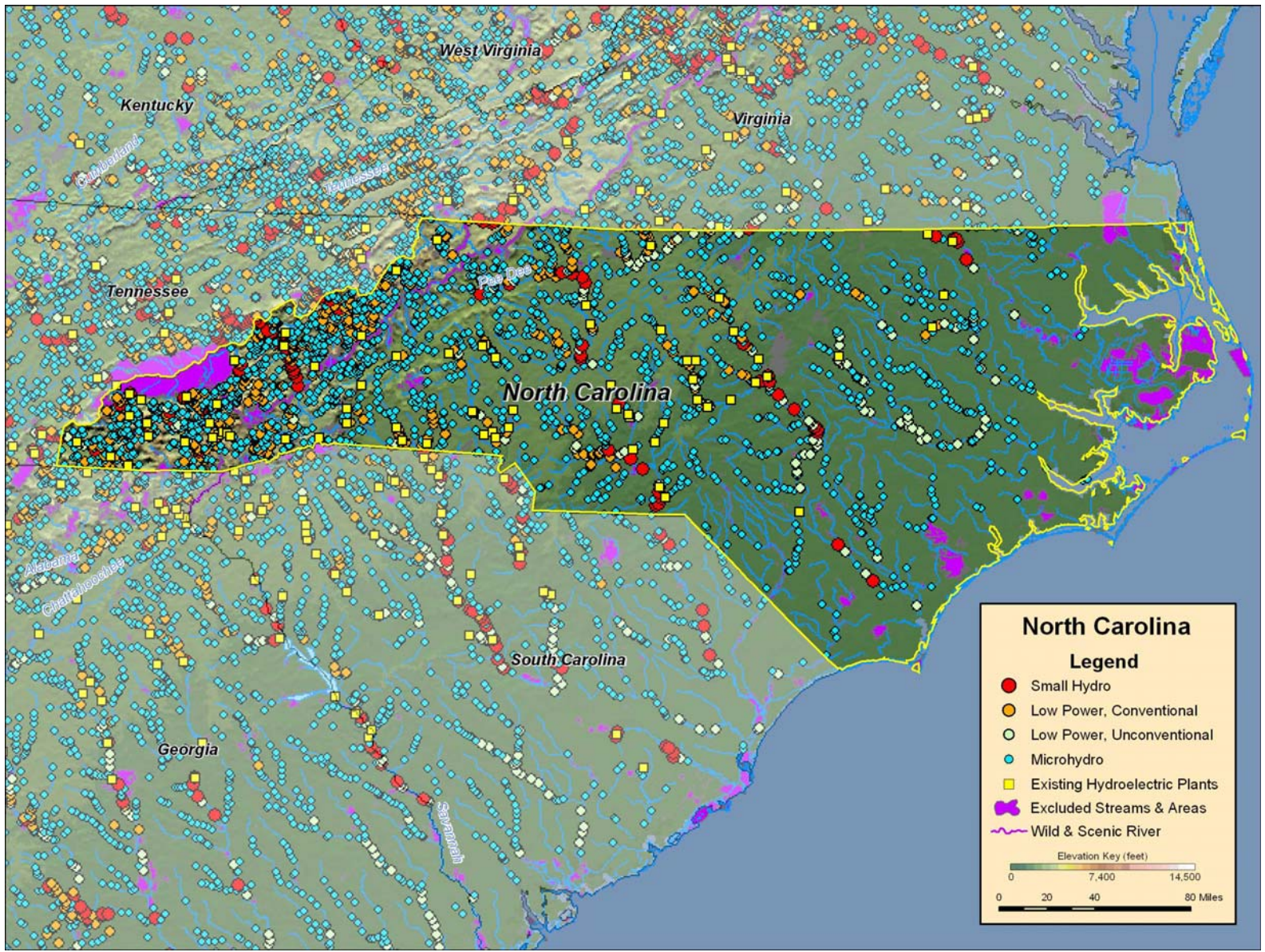
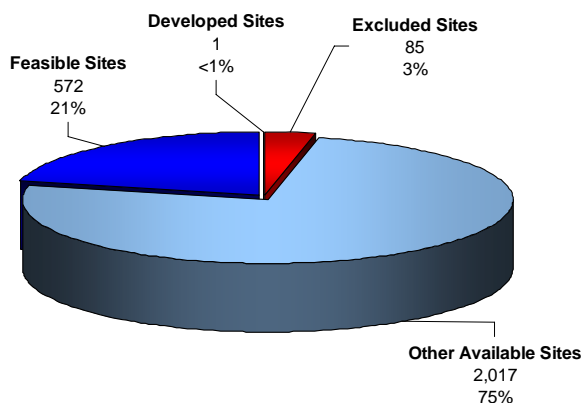


Figure B-165. Low power and small hydro feasible projects, and existing hydroelectric plants in North Carolina.

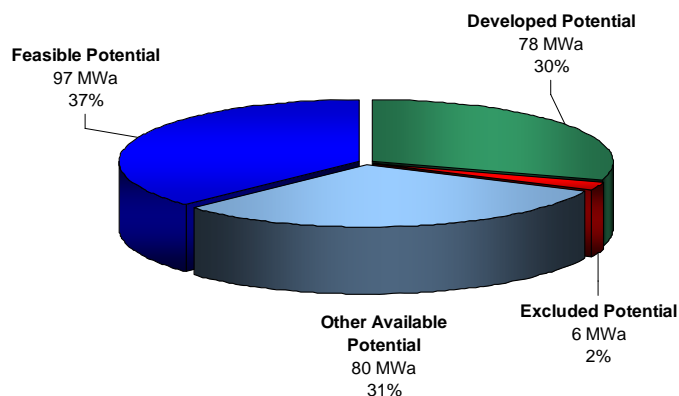
B.34 North Dakota

Table B-69. Summary of results of water energy resource assessment of North Dakota.

Power Class	Total (MWa)	Developed (MWa)	Federally Excluded (MWa)	Other Excluded (MWa)	Available (MWa)
Total Power	261	78	5	1	178
Total High Power	132	78	1	0	53
Large Hydro	78	78	0	0	0
Small Hydro	54	0	1	0	53
Total Low Power	130	0	3	1	125
Conventional Turbines	54	0	2	0	52
Unconventional Systems	10	0	0	0	10
Microhydro	65	0	1	1	63



(a) Total Resource Sites
2,675

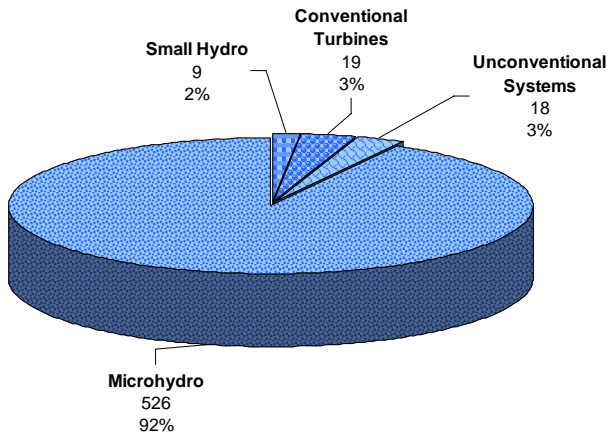


(b) Total Resource Potential
261 MWa

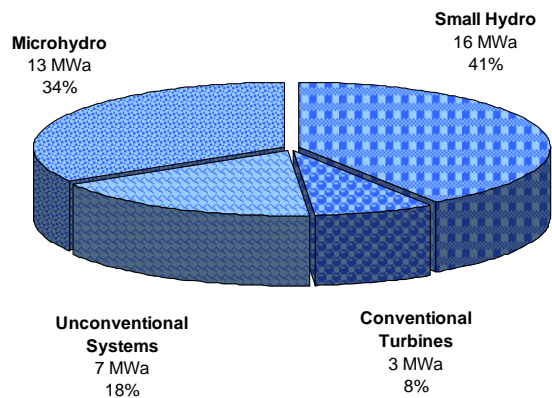
Figure B-166. Power category distribution of the (a) number and (b) total power potential of the water energy resource sites in North Dakota.

Table B-70. Summary of results of feasibility assessment of water energy resources in North Dakota.

Power Class	Available (MWa)	Feasible Sites (MWa)	Feasible Projects (MWa)
Total Power	178	97	40
Total High Power	53	46	16
Large Hydro	0	0	0
Small Hydro	53	46	16
Total Low Power	125	51	24
Conventional Turbines	52	23	3
Unconventional Systems	10	7	7
Microhydro	63	21	13

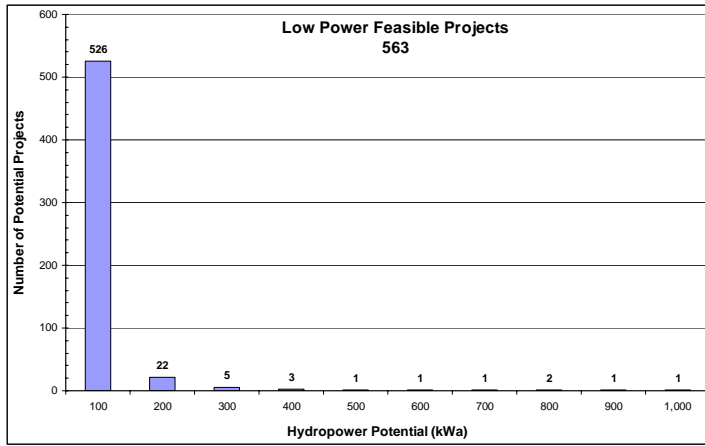


(a) Total Feasible Projects
572

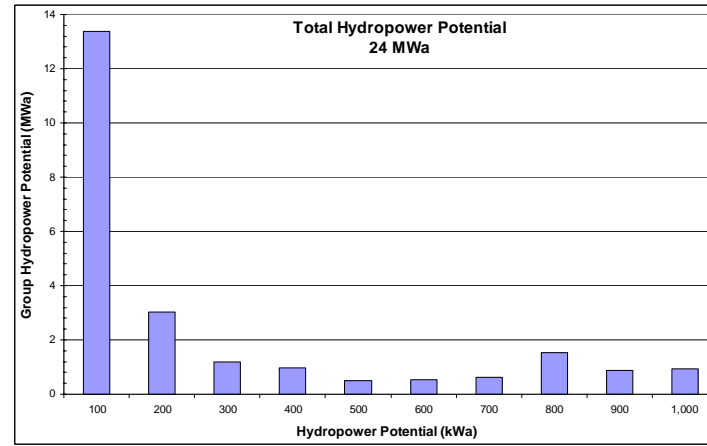


(b) Total Feasible Project Hydropower Potential
40 MWa

Figure B-167. Distribution of the (a) number and (b) total hydropower potential of the low power and small hydropower feasible projects in North Dakota with the low power projects divided into technology classes.

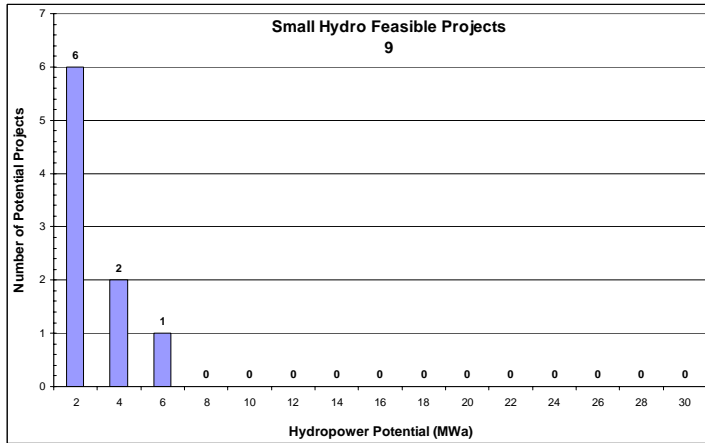


(a)

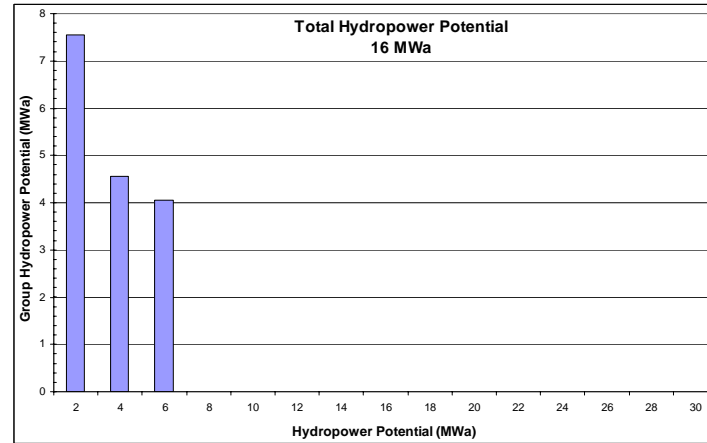


(b)

Figure B-168. Distributions of the (a) number and (b) group hydropower potential of low power feasible projects in North Dakota.

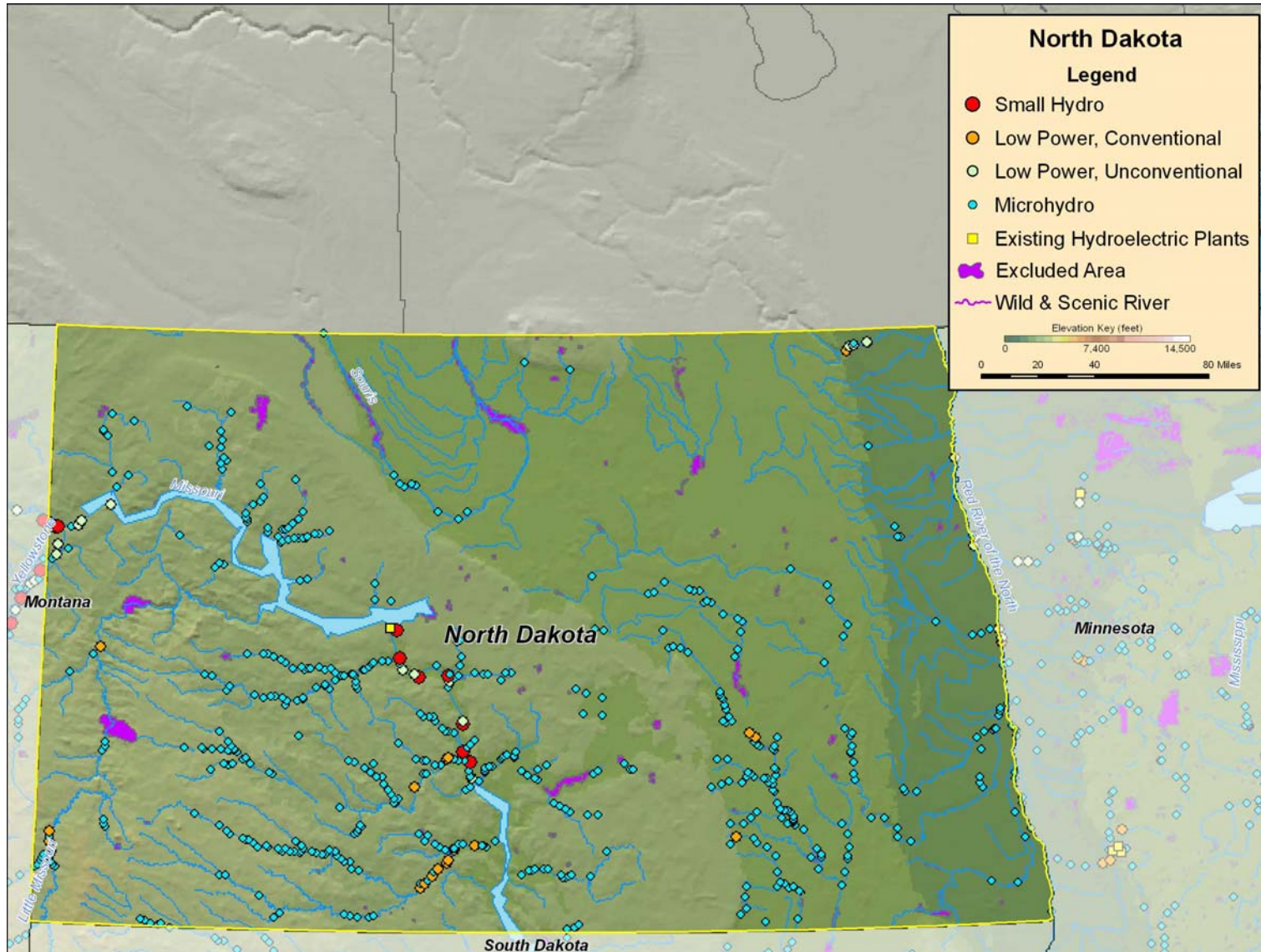


(a)



(b)

Figure B-169. Distributions of the (a) number and (b) group hydropower potential of small hydropower feasible projects in North Dakota.



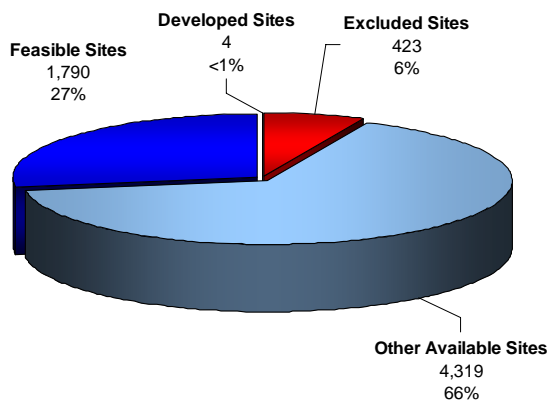
B-142

Figure B-170. Low power and small hydro feasible projects, and existing hydroelectric plants in North Dakota.

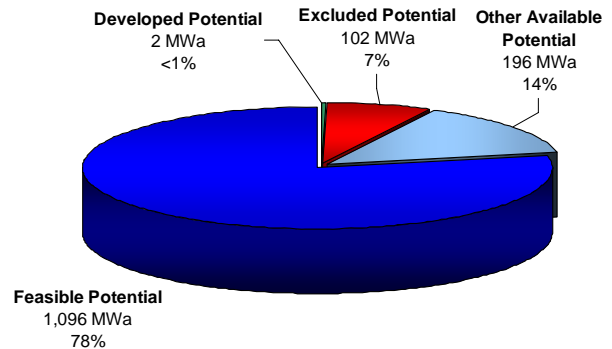
B.35 Ohio

Table B-71. Summary of results of water energy resource assessment of Ohio.

Power Class	Total (MWa)	Developed (MWa)	Federally Excluded (MWa)	Other Excluded (MWa)	Available (MWa)
Total Power	1,397	2	70	33	1,292
Total High Power	856	2	40	14	799
Large Hydro	366	0	0	0	366
Small Hydro	490	2	40	14	434
Total Low Power	541	1	29	18	492
Conventional Turbines	315	0	21	11	283
Unconventional Systems	56	0	3	2	51
Microhydro	170	0	5	6	158



(a) Total Resource Sites
6,536

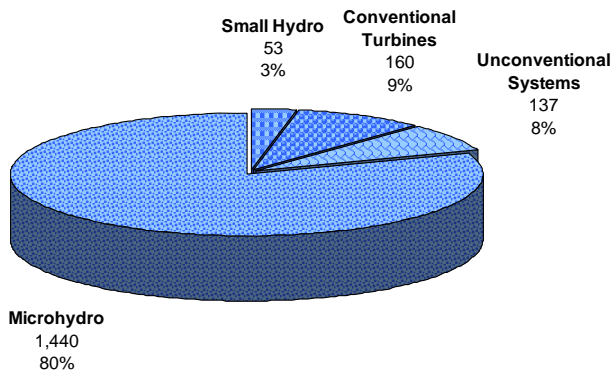


(b) Total Resource Potential
1,397 MWa

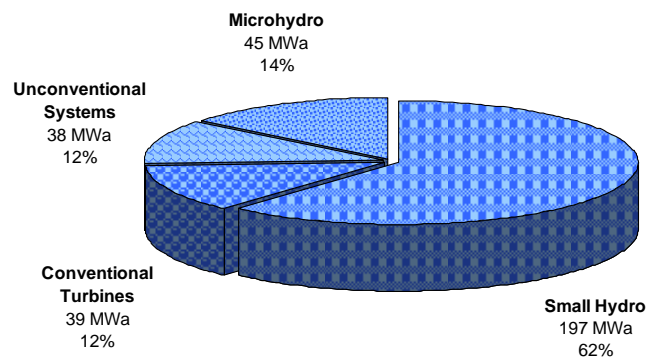
Figure B-171. Power category distribution of the (a) number and (b) total power potential of the water energy resource sites in Ohio.

Table B-72. Summary of results of feasibility assessment of water energy resources in Ohio.

Power Class	Available (MWa)	Feasible Sites (MWa)	Feasible Projects (MWa)
Total Power	1,292	1,096	319
Total High Power	799	780	197
Large Hydro	366	366	0
Small Hydro	434	414	197
Total Low Power	492	316	122
Conventional Turbines	283	227	39
Unconventional Systems	51	46	38
Microhydro	158	43	45

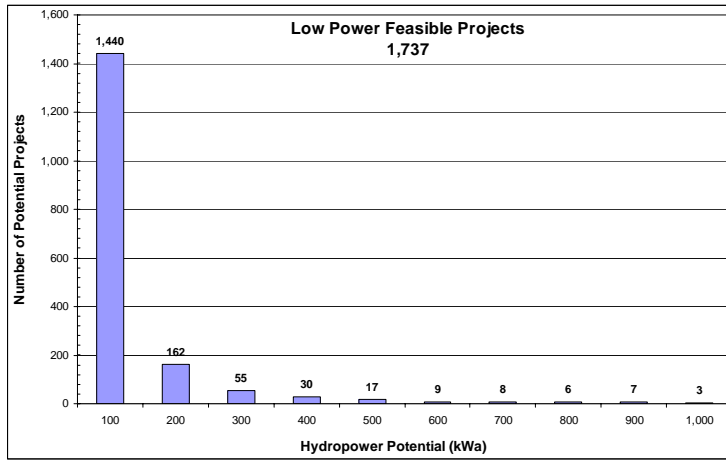


(a) Total Feasible Projects
1,790

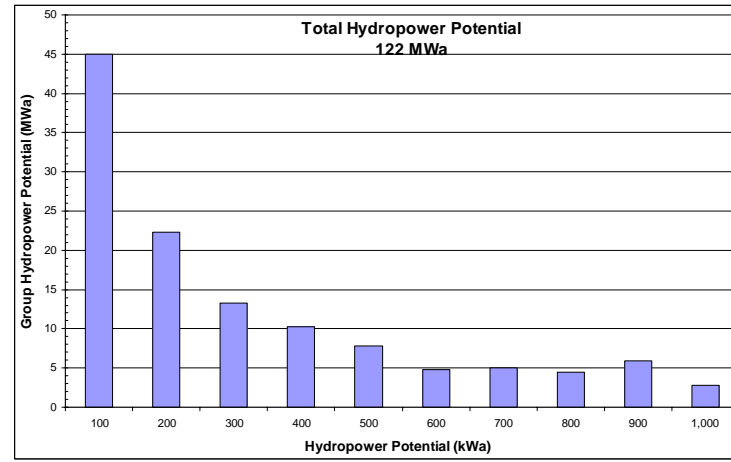


(b) Total Feasible Project Hydropower Potential
319 MWa

Figure B-172. Distribution of the (a) number and (b) total hydropower potential of the low power and small hydropower feasible projects in Ohio with the low power projects divided into technology classes.

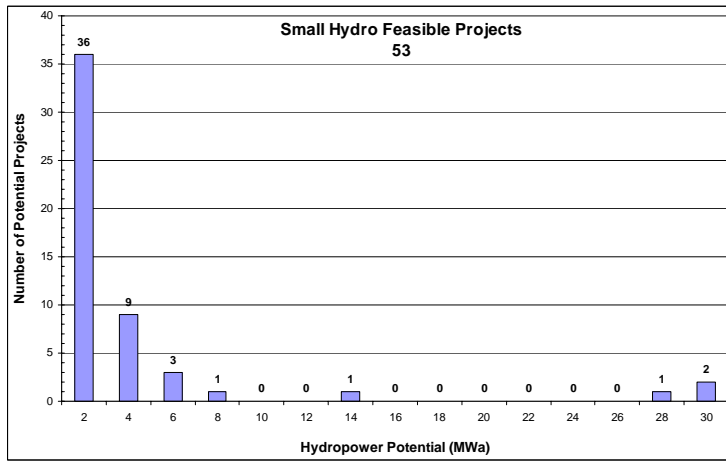


(a)

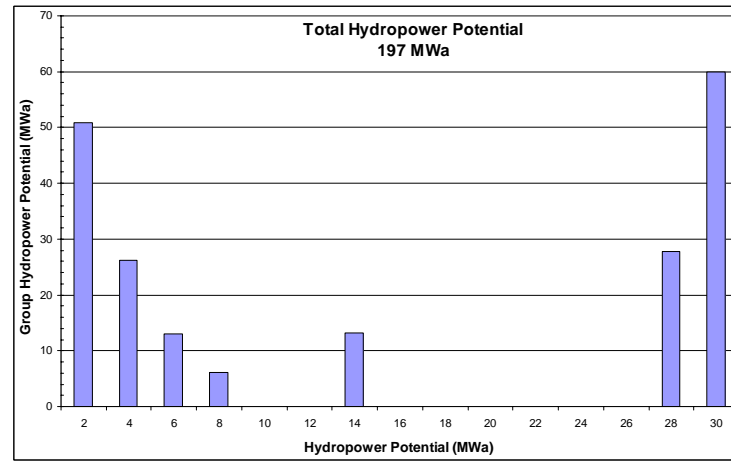


(b)

Figure B-173. Distributions of the (a) number and (b) group hydropower potential of low power feasible projects in Ohio.



(a)



(b)

Figure B-174. Distributions of the (a) number and (b) group hydropower potential of small hydropower feasible projects in Ohio.

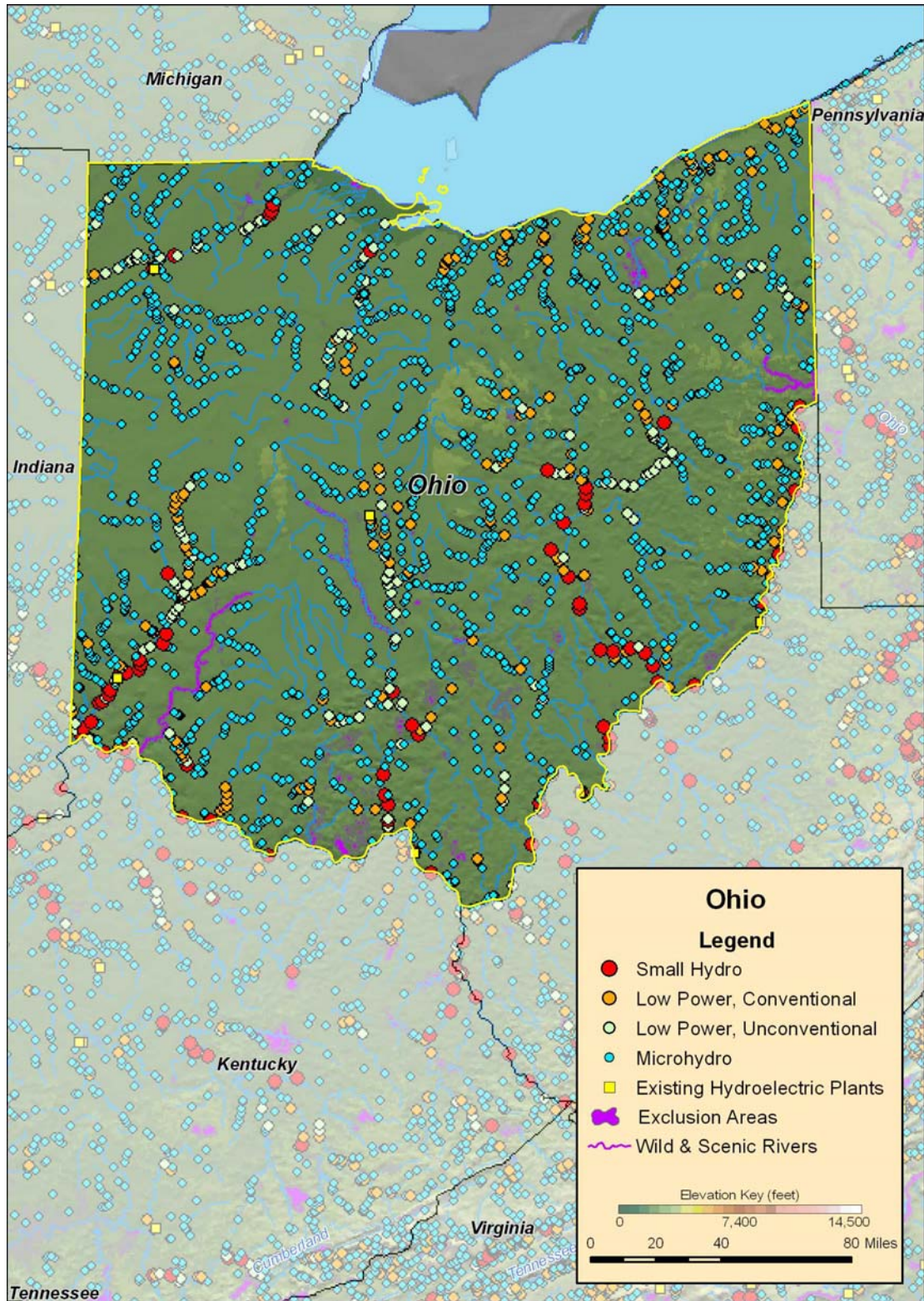
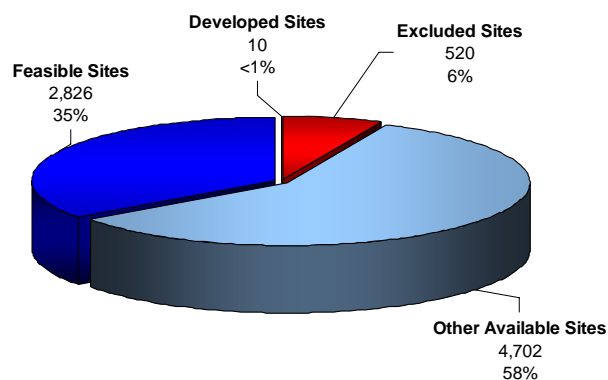


Figure B-175. Low power and small hydro feasible projects, and existing hydroelectric plants in Ohio.

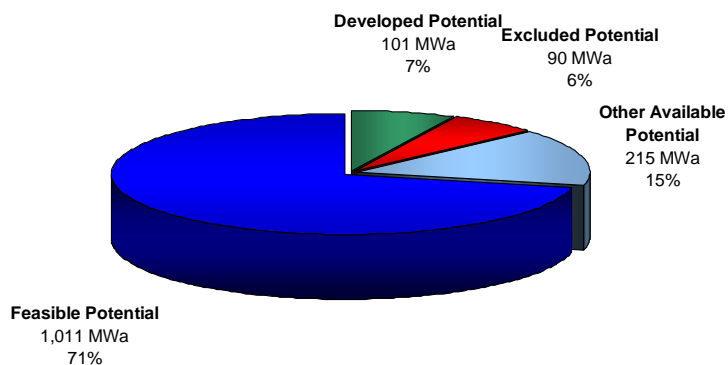
B.36 Oklahoma

Table B-73. Summary of results of water energy resource assessment of Oklahoma.

Power Class	Total (MWa)	Developed (MWa)	Federally Excluded (MWa)	Other Excluded (MWa)	Available (MWa)
Total Power	1,416	101	18	72	1,226
Total High Power	659	100	5	30	524
Large Hydro	157	68	0	0	88
Small Hydro	502	32	5	30	436
Total Low Power	757	1	13	42	702
Conventional Turbines	413	0	6	25	381
Unconventional Systems	157	0	5	6	145
Microhydro	188	0	2	10	175



**(a) Total Resource Sites
8,058**

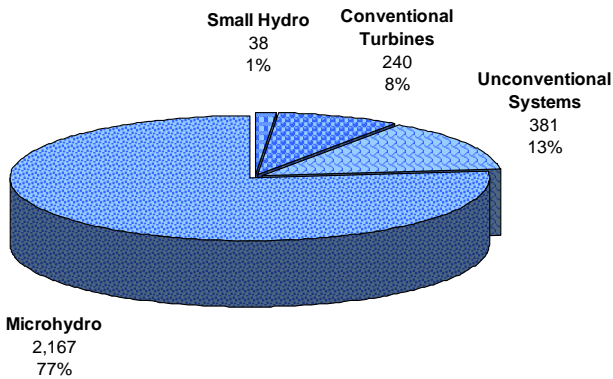


**(b) Total Resource Potential
1,416 MWa**

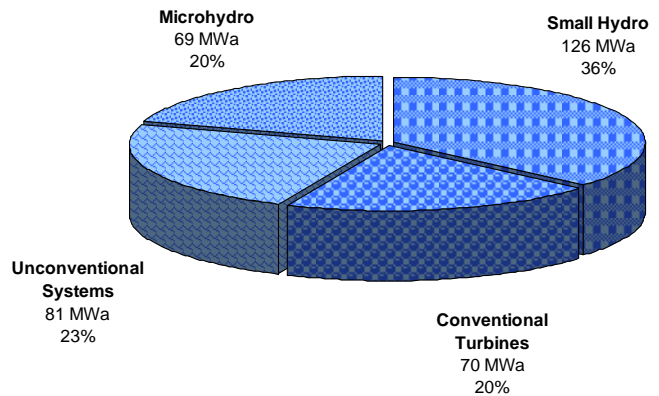
Figure B-176. Power category distribution of the (a) number and (b) total power potential of the water energy resource sites in Oklahoma.

Table B-74. Summary of results of feasibility assessment of water energy resources in Oklahoma.

Power Class	Available (MWa)	Feasible Sites (MWa)	Feasible Projects (MWa)
Total Power	1,226	1,011	345
Total High Power	524	482	126
Large Hydro	88	88	0
Small Hydro	436	394	126
Total Low Power	702	529	220
Conventional Turbines	381	331	70
Unconventional Systems	145	128	81
Microhydro	175	69	69

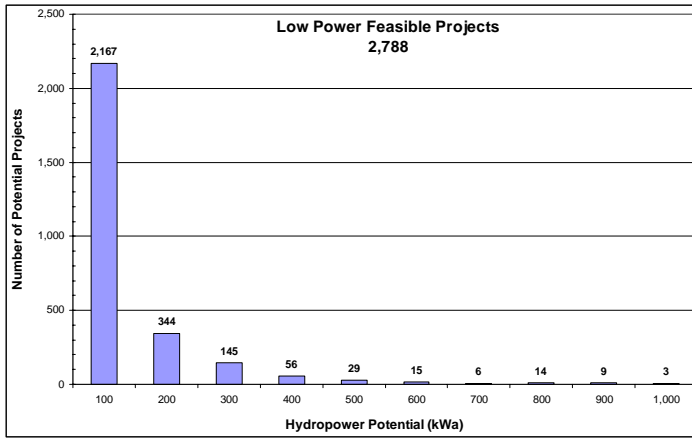


(a) Total Feasible Projects
2,826

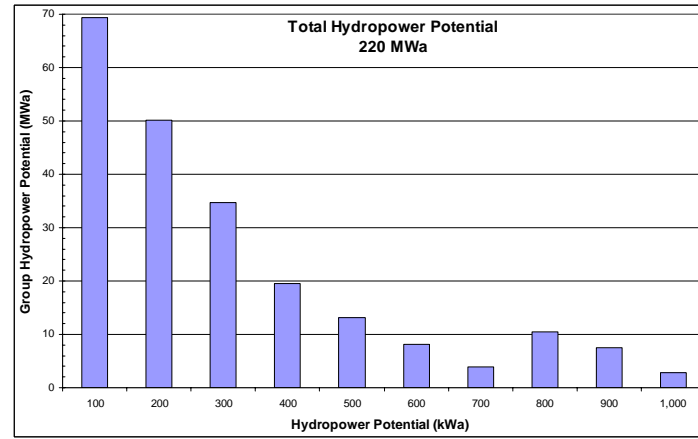


(b) Total Feasible Project Hydropower Potential
345 MWa

Figure B-177. Distribution of the (a) number and (b) total hydropower potential of the low power and small hydropower feasible projects in Oklahoma with the low power projects divided into technology classes.

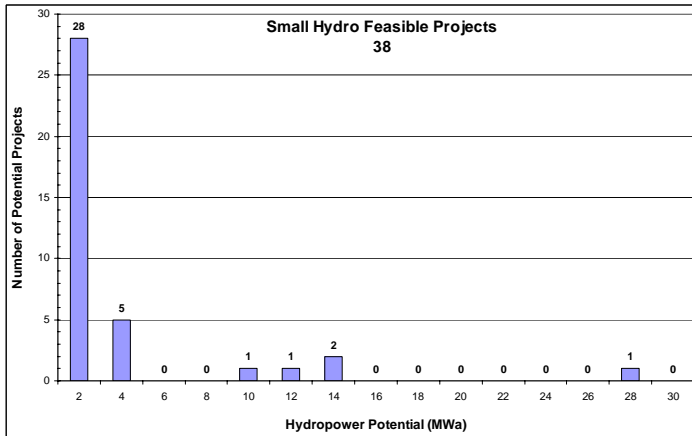


(a)

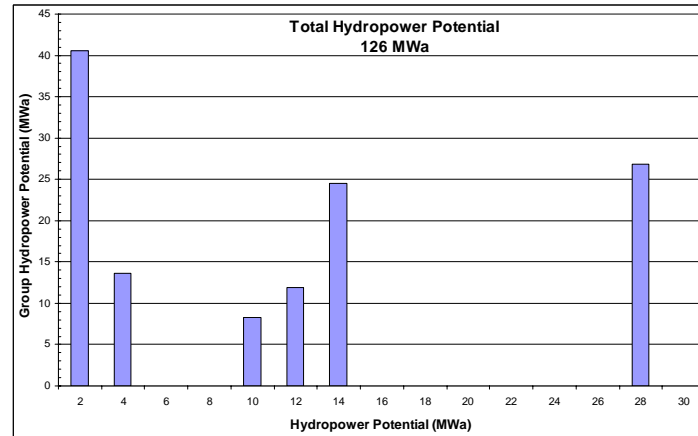


(b)

Figure B-178. Distributions of the (a) number and (b) group hydropower potential of low power feasible projects in Oklahoma.



(a)



(b)

Figure B-179. Distributions of the (a) number and (b) group hydropower potential of small hydropower feasible projects in Oklahoma.

B-150

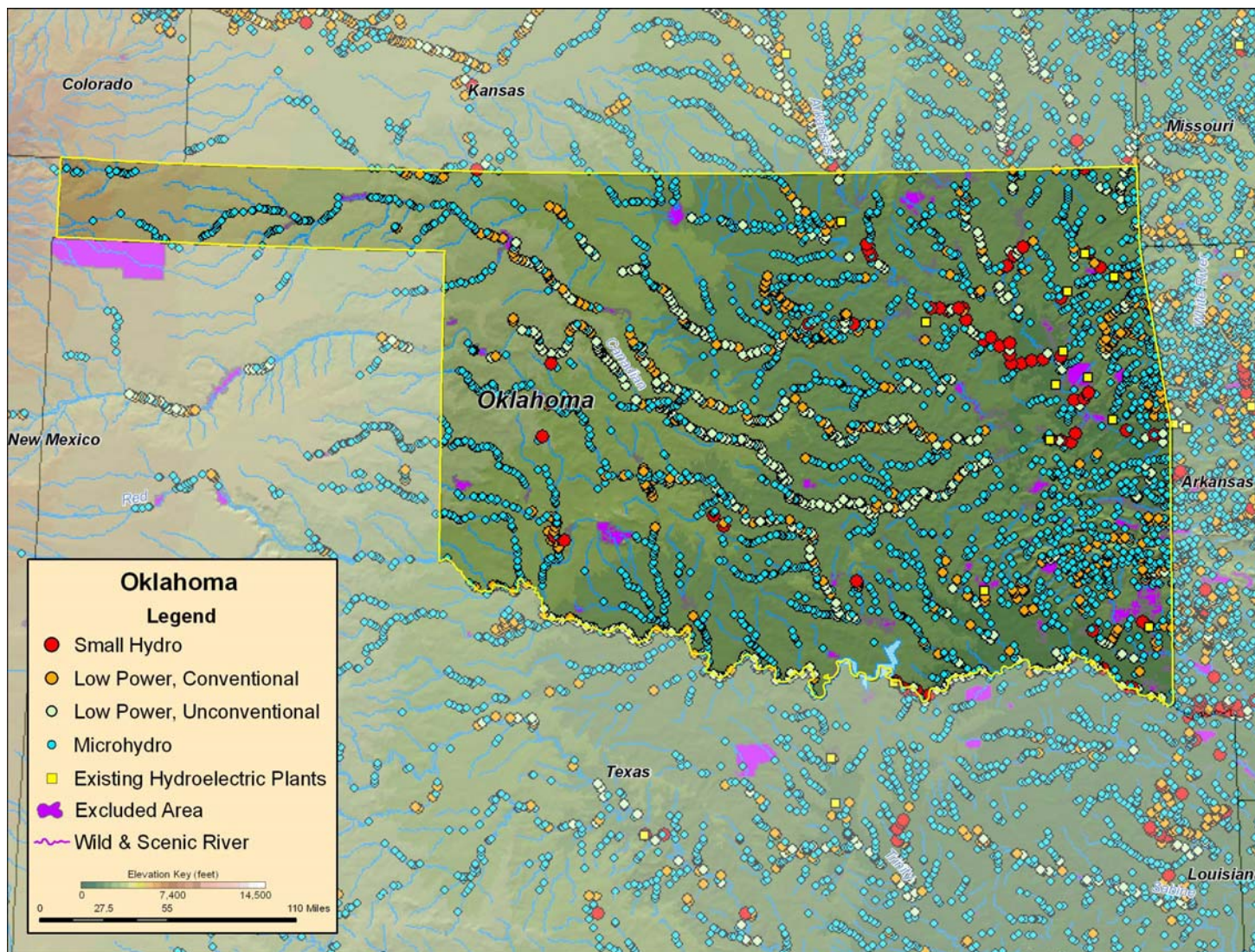


Figure B-180. Low power and small hydro feasible projects, and existing hydroelectric plants in Oklahoma.

B.37 Oregon

Table B-75. Summary of results of water energy resource assessment of Oregon.

Power Class	Total (MWa)	Developed (MWa)	Federally Excluded (MWa)	Other Excluded (MWa)	Available (MWa)
Total Power	17,048	1,050	5,826	716	9,455
Total High Power	14,003	1,045	5,381	537	7,040
Large Hydro	1,882	767	613	34	467
Small Hydro	12,122	278	4,768	503	6,573
Total Low Power	3,045	6	445	179	2,415
Conventional Turbines	2,580	5	398	148	2,029
Unconventional Systems	110	0	21	5	84
Microhydro	355	1	26	26	302

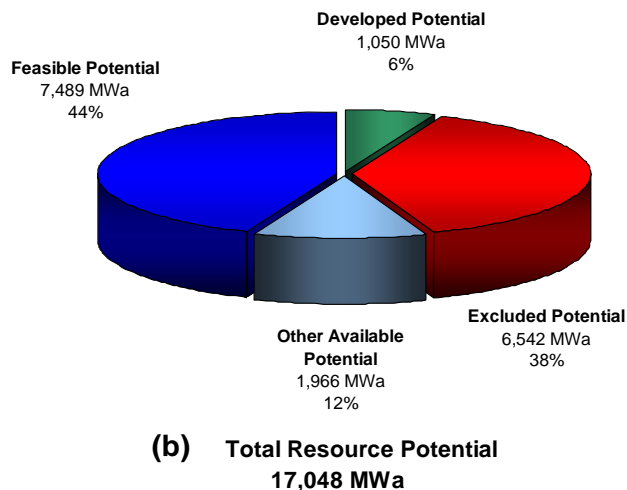
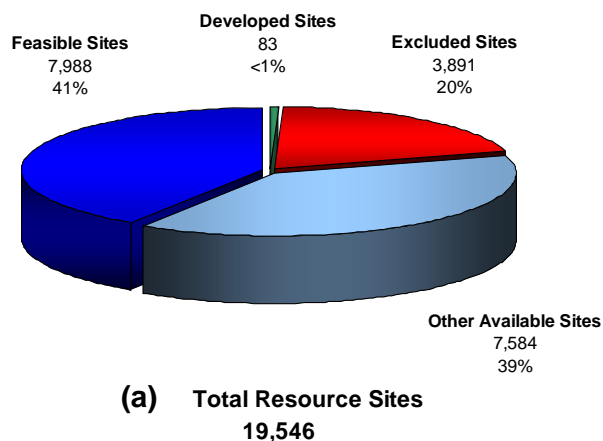


Figure B-181. Power category distribution of the (a) number and (b) total power potential of the water energy resource sites in Oregon.

Table B-76. Summary of results of feasibility assessment of water energy resources in Oregon.

Power Class	Available (MWa)	Feasible Sites (MWa)	Feasible Projects (MWa)
Total Power	9,455	7,489	2,072
Total High Power	7,040	5,858	1,220
Large Hydro	467	467	0
Small Hydro	6,573	5,390	1,220
Total Low Power	2,415	1,631	852
Conventional Turbines	2,029	1,420	585
Unconventional Systems	84	80	75
Microhydro	302	131	192

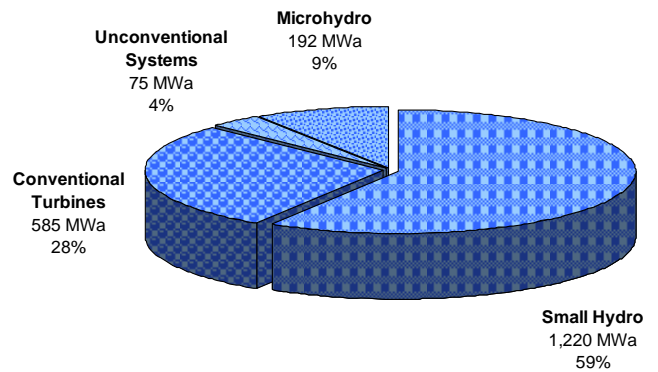
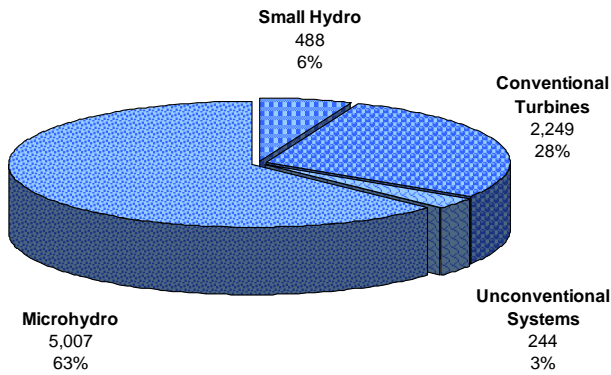
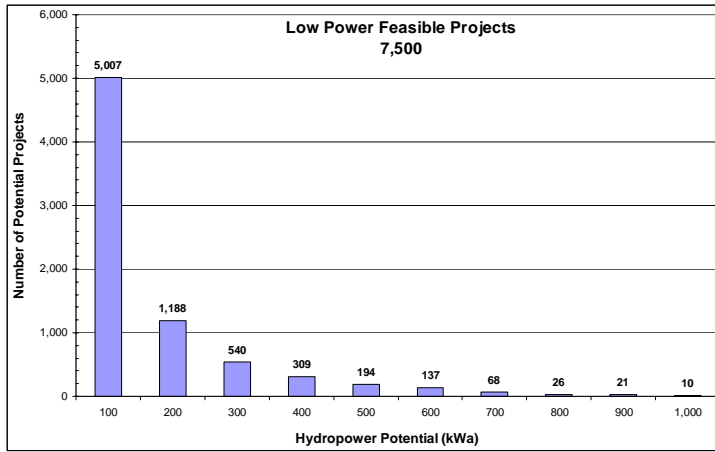
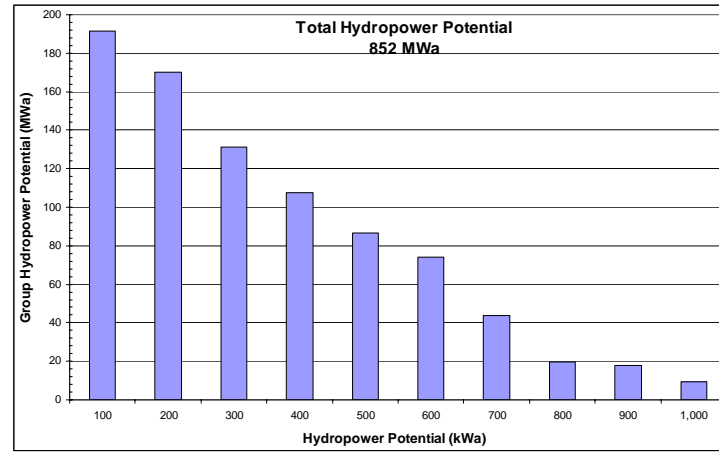


Figure B-182. Distribution of the (a) number and (b) total hydropower potential of the low power and small hydropower feasible projects in Oregon with the low power projects divided into technology classes.



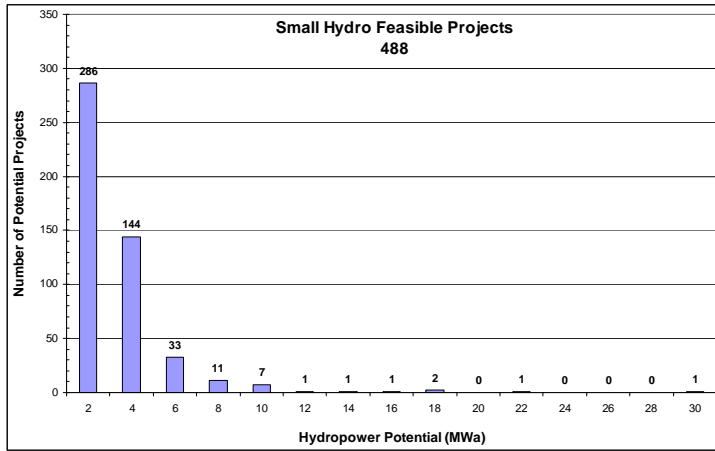
(a)



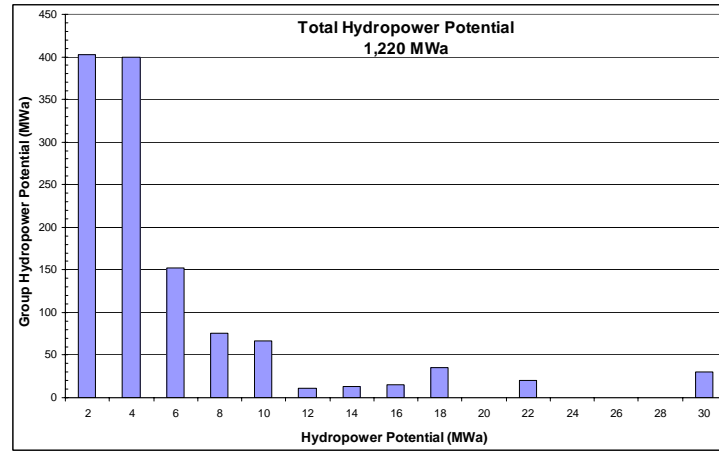
(b)

Figure B-183. Distributions of the (a) number and (b) group hydropower potential of low power feasible projects in Oregon.

B-153

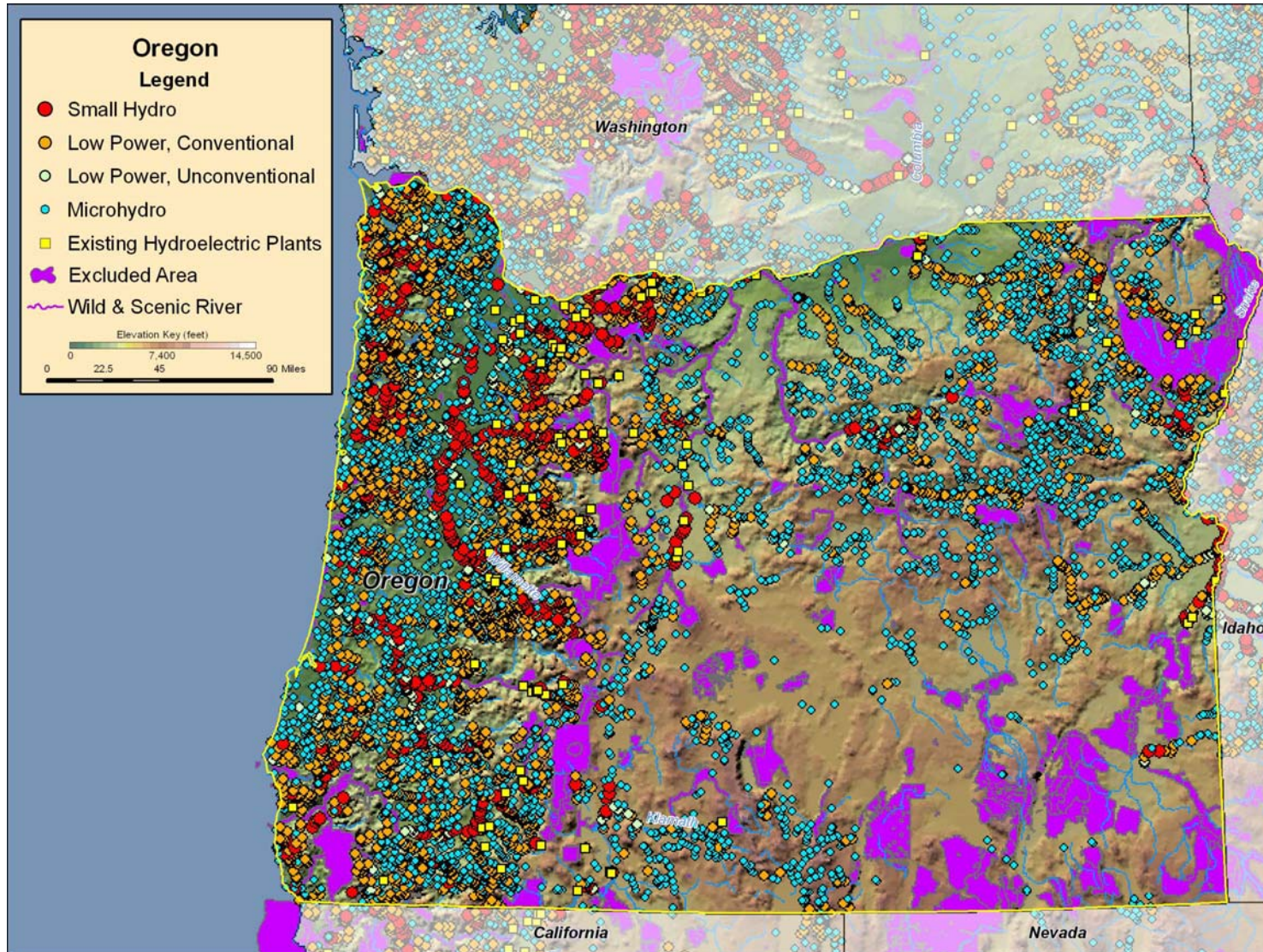


(a)



(b)

Figure B-184. Distributions of the (a) number and (b) group hydropower potential of small hydropower feasible projects in Oregon.



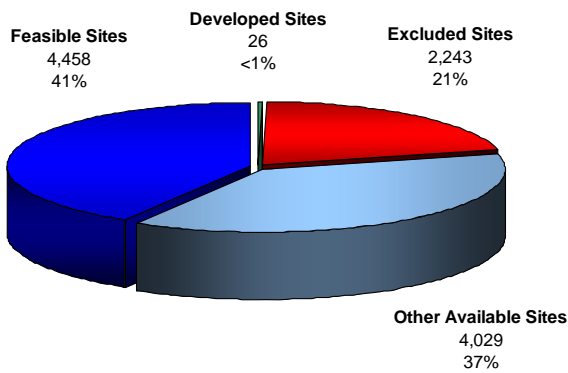
B-154

Figure B-185. Low power and small hydro feasible projects, and existing hydroelectric plants in Oregon.

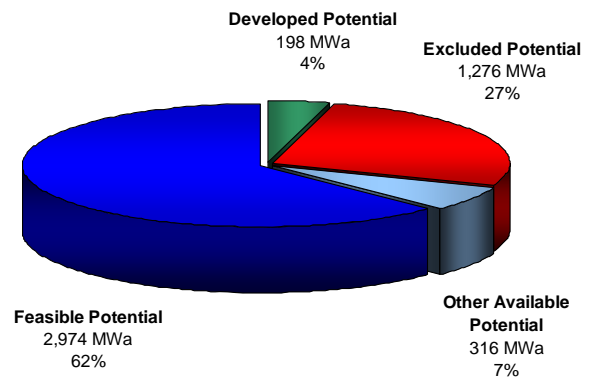
B.38 Pennsylvania

Table B-77. Summary of results of water energy resource assessment of Pennsylvania.

Power Class	Total (MWa)	Developed (MWa)	Federally Excluded (MWa)	Other Excluded (MWa)	Available (MWa)
Total Power	4,764	198	488	788	3,290
Total High Power	3,282	194	452	413	2,223
Large Hydro	785	141	72	0	572
Small Hydro	2,497	53	380	413	1,651
Total Low Power	1,483	4	37	375	1,067
Conventional Turbines	1,169	3	30	329	807
Unconventional Systems	60	1	4	4	51
Microhydro	254	0	3	42	209



(a) Total Resource Sites
10,756

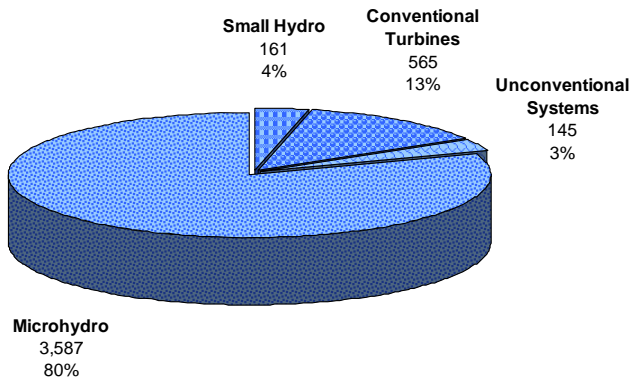


(b) Total Resource Potential
4,764 MWa

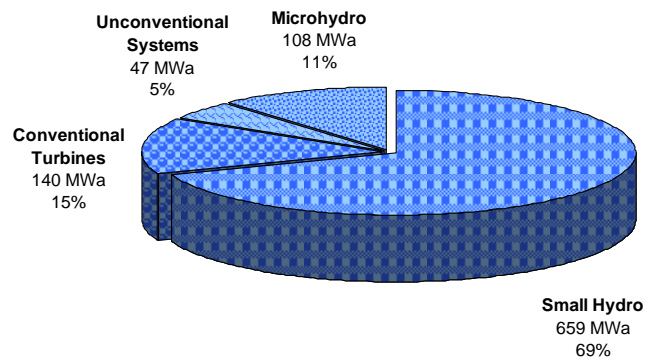
Figure B-186. Power category distribution of the (a) number and (b) total power potential of the water energy resource sites in Pennsylvania.

Table B-78. Summary of results of feasibility assessment of water energy resources in Pennsylvania.

Power Class	Available (MWa)	Feasible Sites (MWa)	Feasible Projects (MWa)
Total Power	3,290	2,974	953
Total High Power	2,223	2,155	659
Large Hydro	572	572	0
Small Hydro	1,651	1,583	659
Total Low Power	1,067	819	295
Conventional Turbines	807	680	140
Unconventional Systems	51	48	47
Microhydro	209	91	108

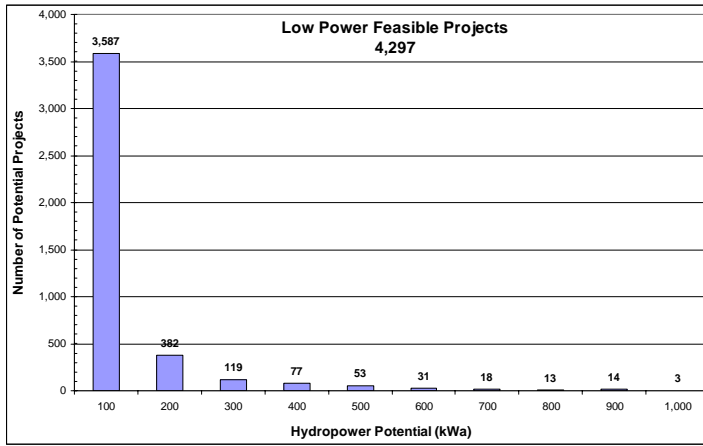


(a) Total Feasible Projects
4,458

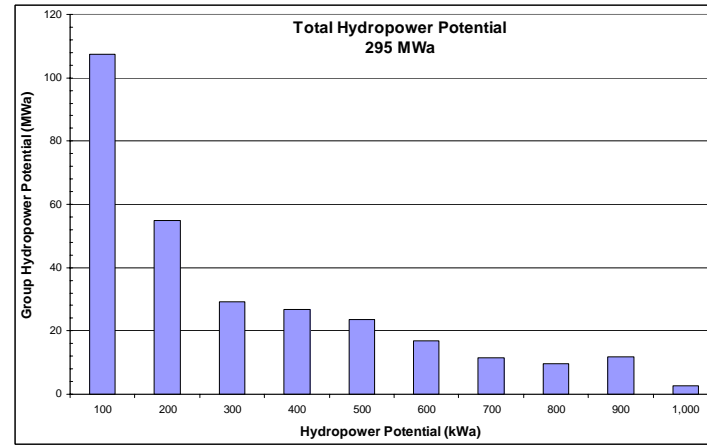


(b) Total Feasible Project Hydropower Potential
953 MWa

Figure B-187. Distribution of the (a) number and (b) total hydropower potential of the low power and small hydropower feasible projects in Pennsylvania with the low power projects divided into technology classes.

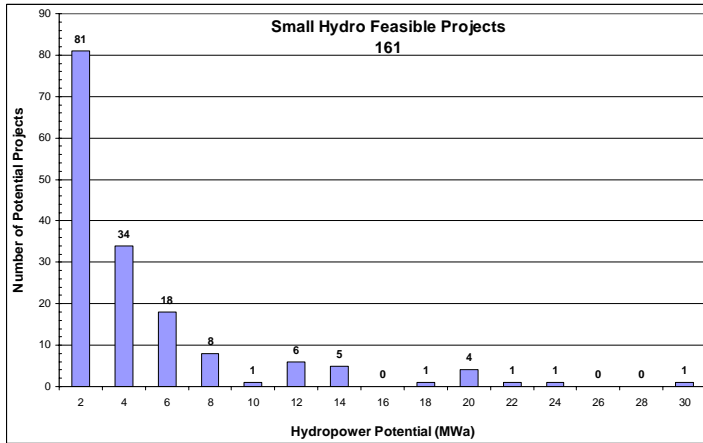


(a)

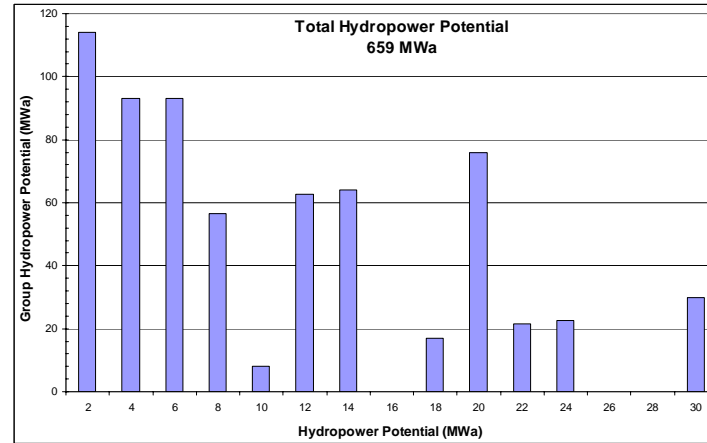


(b)

Figure B-188. Distributions of the (a) number and (b) group hydropower potential of low power feasible projects in Pennsylvania.



(a)



(b)

Figure B-189. Distributions of the (a) number and (b) group hydropower potential of small hydropower feasible projects in Pennsylvania.

B-158

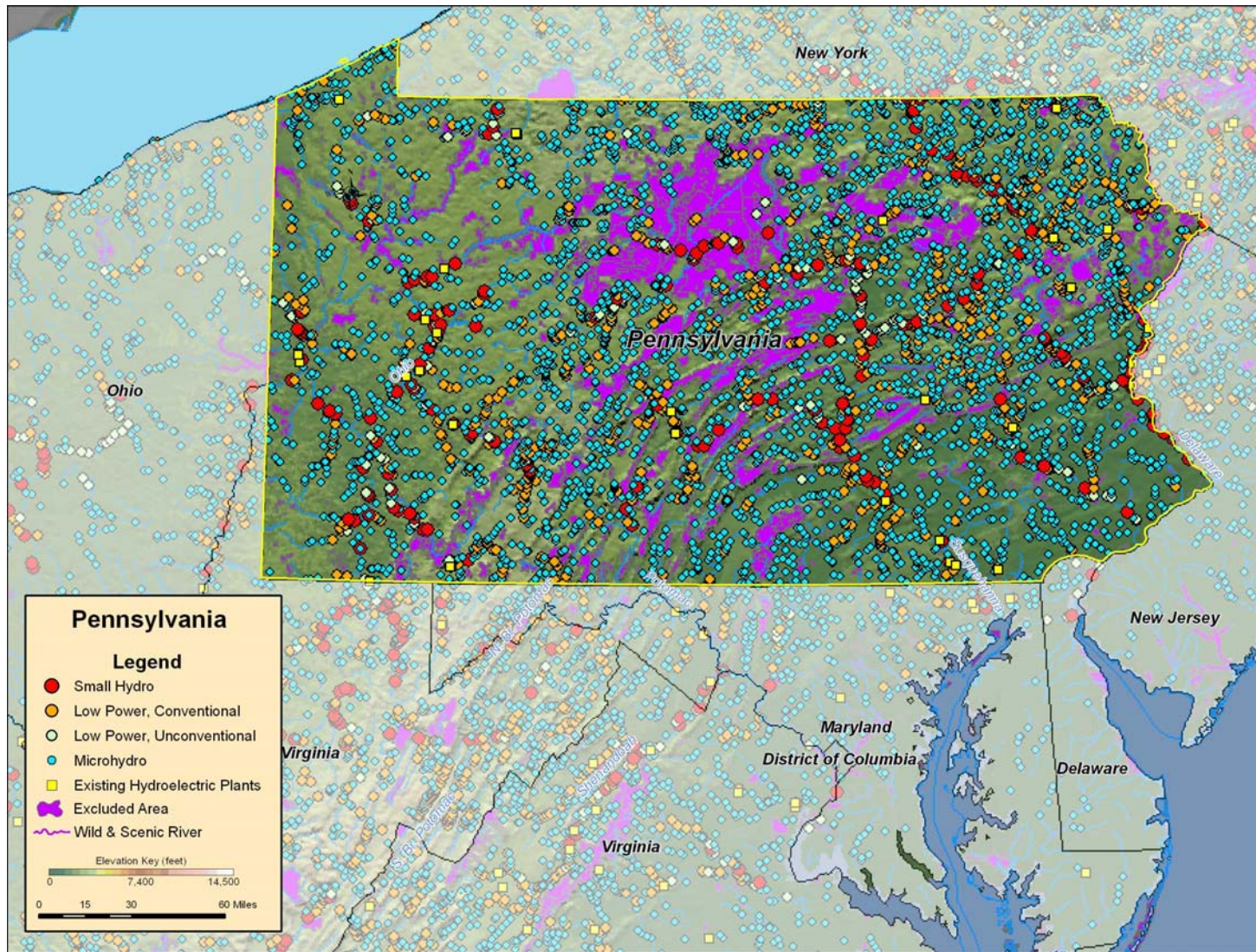
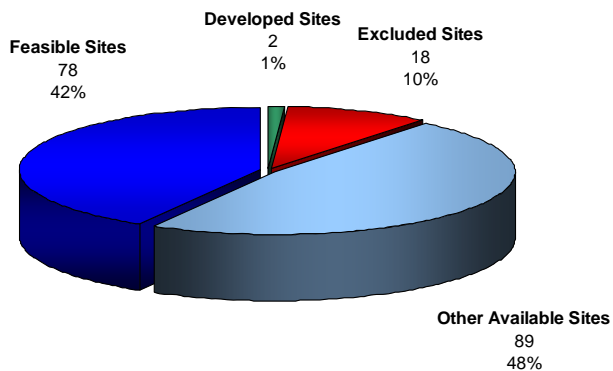


Figure B-190. Low power and small hydropower feasible projects, and existing hydroelectric plants in Pennsylvania.

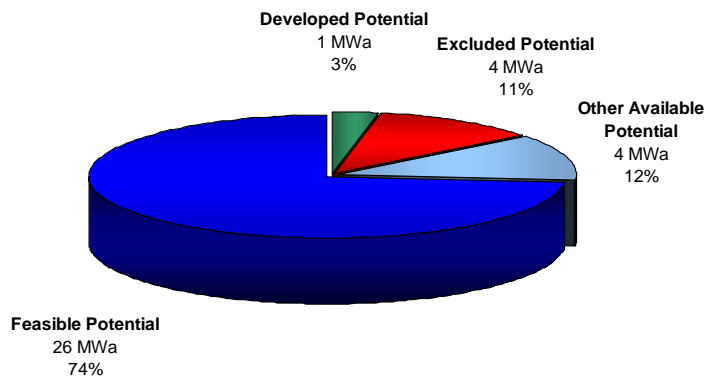
B.39 Rhode Island

Table B-79. Summary of results of water energy resource assessment of Rhode Island.

Power Class	Total (MWa)	Developed (MWa)	Federally Excluded (MWa)	Other Excluded (MWa)	Available (MWa)
Total Power	36	1	0	4	30
Total High Power	16	0	0	2	14
Large Hydro	0	0	0	0	0
Small Hydro	16	0	0	2	14
Total Low Power	19	1	0	2	16
Conventional Turbines	14	1	0	2	11
Unconventional Systems	1	0	0	0	1
Microhydro	5	0	0	0	5



(a) Total Resource Sites
187

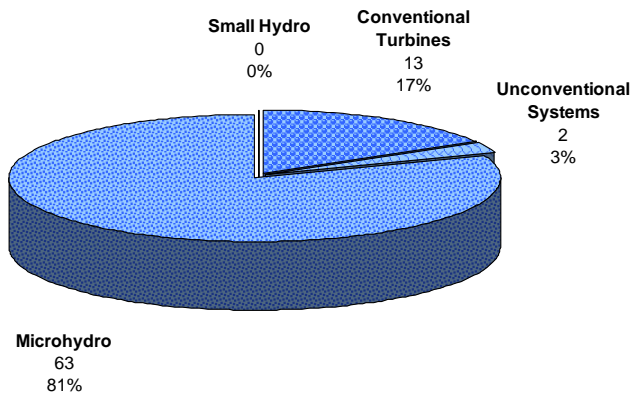


(a) Total Resource Potential
36 MWa

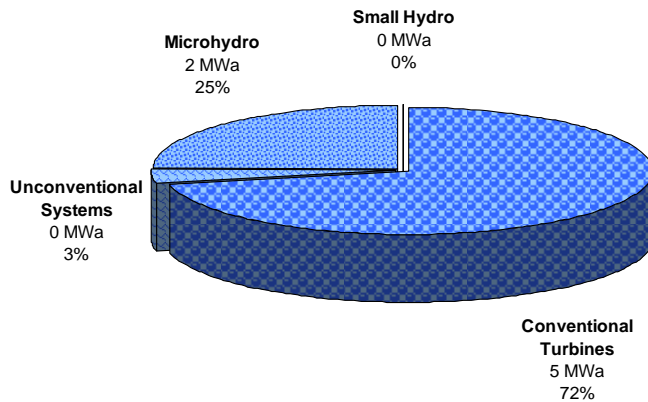
Figure B-191. Power category distribution of the (a) number and (b) total power potential of the water energy resource sites in Rhode Island.

Table B-80. Summary of results of feasibility assessment of water energy resources in Rhode Island.

Power Class	Available (MWa)	Feasible Sites (MWa)	Feasible Projects (MWa)
Total Power	30	26	7
Total High Power	14	14	0
Large Hydro	0	0	0
Small Hydro	14	14	0
Total Low Power	16	12	7
Conventional Turbines	11	9	5
Unconventional Systems	1	1	0
Microhydro	5	2	2

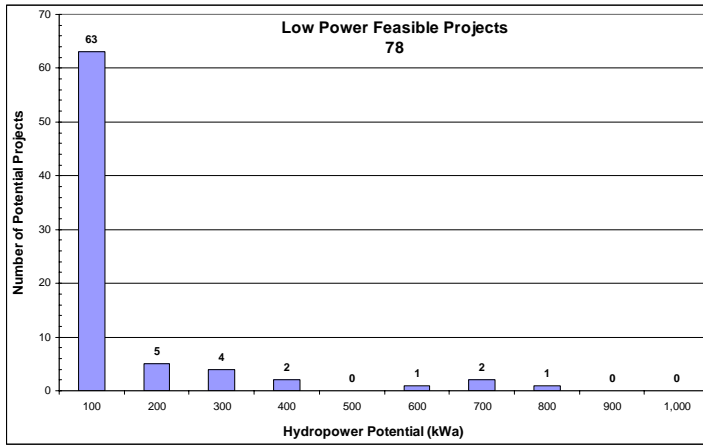


(a) Total Feasible Projects
78

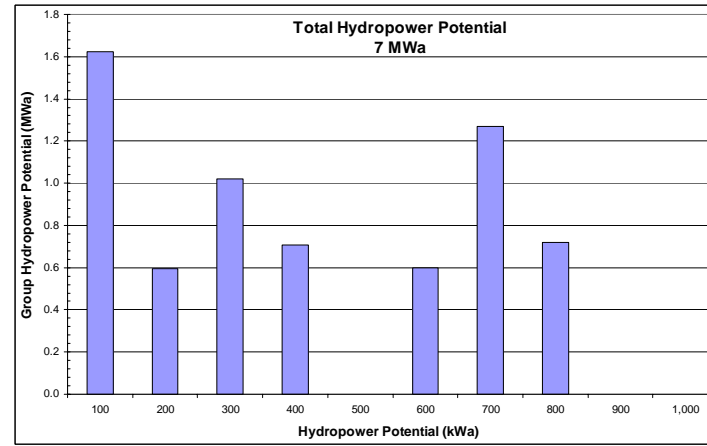


(b) Total Feasible Project Hydropower Potential
7 MWa

Figure B-192. Distribution of the (a) number and (b) total hydropower potential of the low power and small hydropower feasible projects in Rhode Island with the low power projects divided into technology classes.

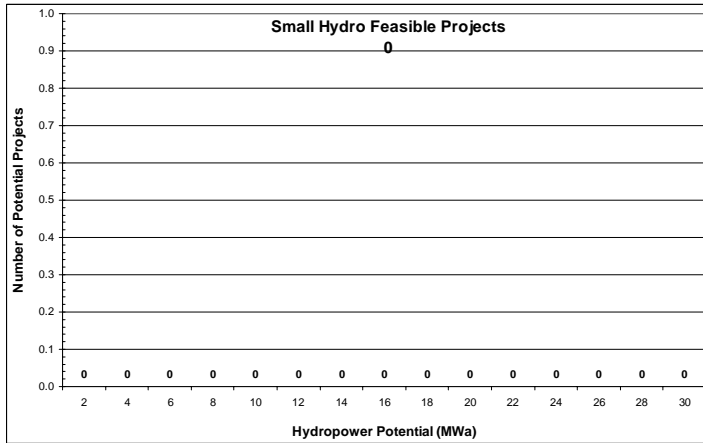


(a)

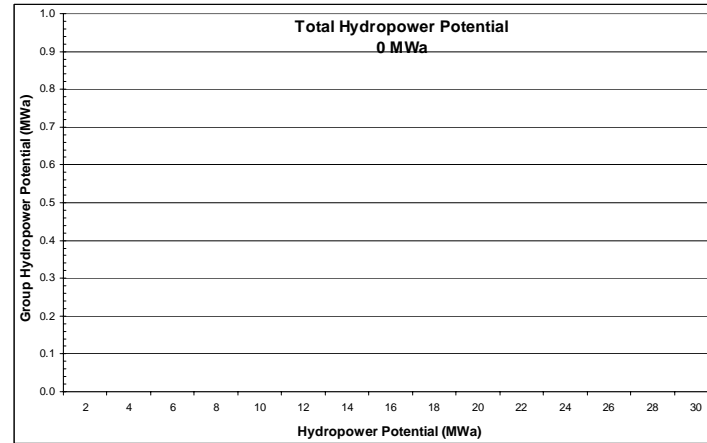


(b)

Figure B-193. Distributions of the (a) number and (b) group hydropower potential of low power feasible projects in Rhode Island.



(a)



(b)

Figure B-194. Distributions of the (a) number and (b) group hydropower potential of small hydropower feasible projects in Rhode Island.

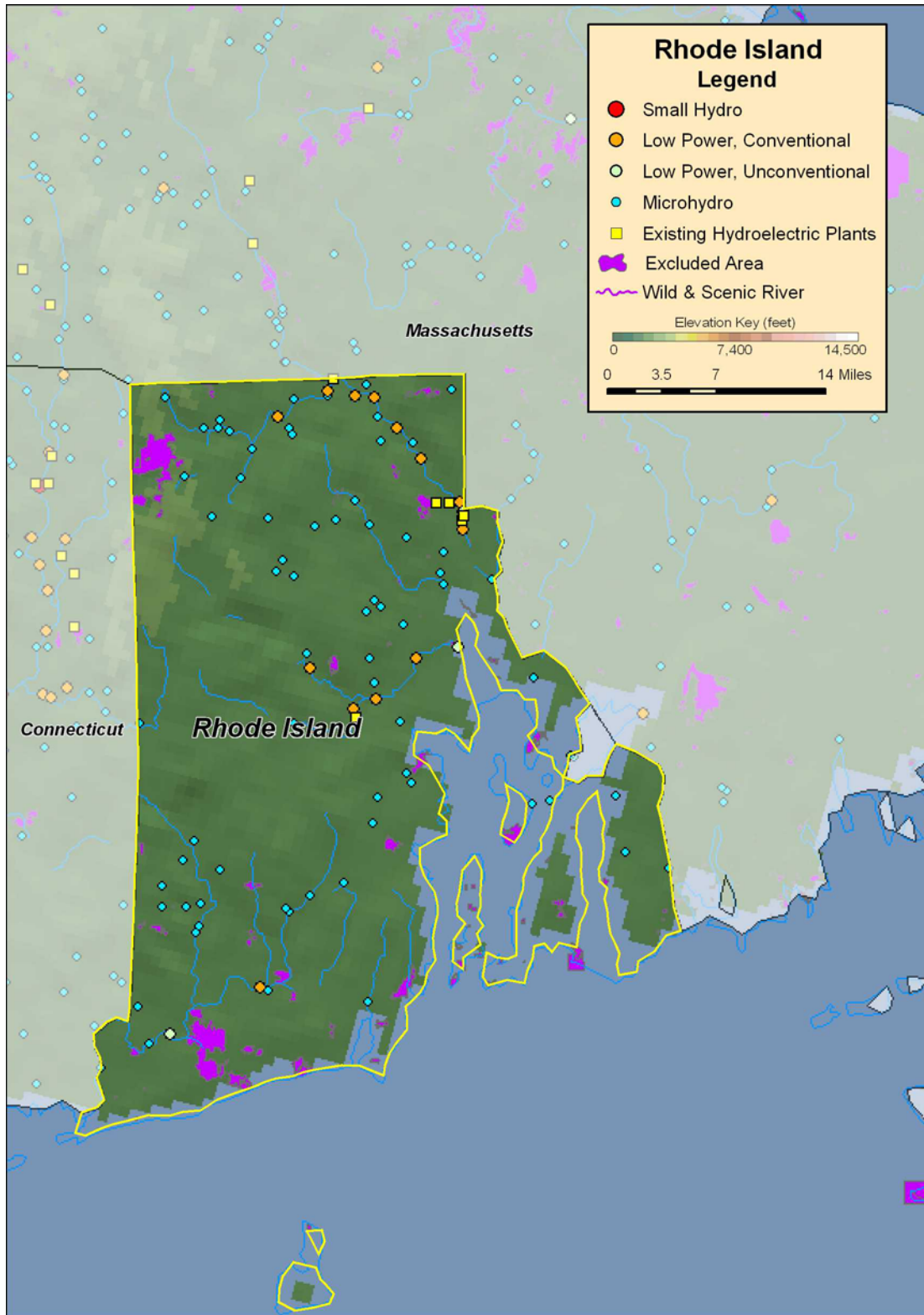
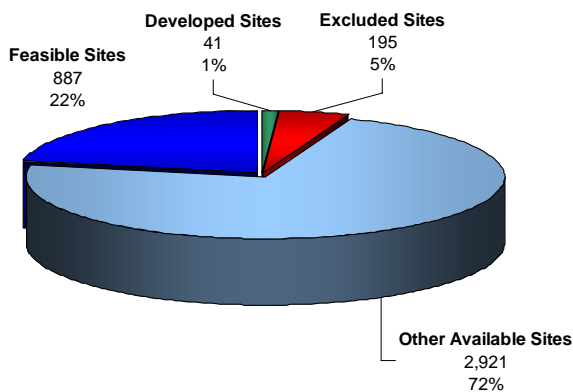


Figure B-195. Low power and small hydro feasible projects, and existing hydroelectric plants in Rhode Island.

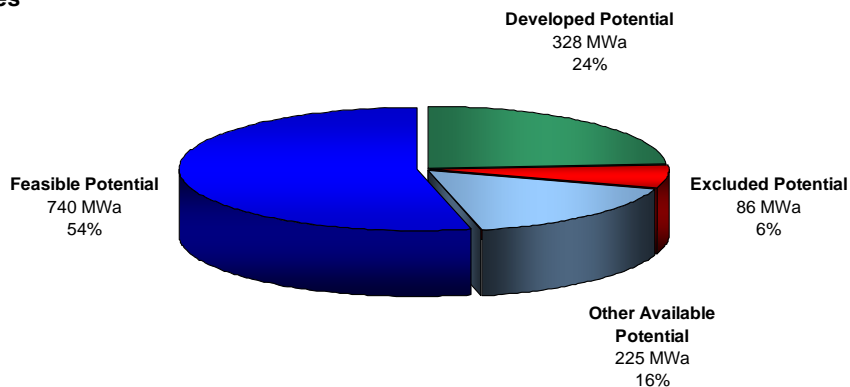
B.40 South Carolina

Table B-81. Summary of results of water energy resource assessment of South Carolina.

Power Class	Total (MWa)	Developed (MWa)	Federally Excluded (MWa)	Other Excluded (MWa)	Available (MWa)
Total Power	1,378	328	39	46	964
Total High Power	1,035	322	32	23	658
Large Hydro	286	175	0	0	111
Small Hydro	749	147	32	23	547
Total Low Power	343	6	7	23	306
Conventional Turbines	159	4	4	12	139
Unconventional Systems	81	1	1	9	70
Microhydro	102	0	1	3	97



(a) Total Resource Sites
4,044



(b) Total Resource Potential
1,378 MWa

Figure B-196. Power category distribution of the (a) number and (b) total power potential of the water energy resource sites in South Carolina.

Table B-82. Summary of results of feasibility assessment of water energy resources in South Carolina.

Power Class	Available (MWa)	Feasible Sites (MWa)	Feasible Projects (MWa)
Total Power	964	740	211
Total High Power	658	564	153
Large Hydro	111	111	0
Small Hydro	547	452	153
Total Low Power	306	176	58
Conventional Turbines	139	106	11
Unconventional Systems	70	54	25
Microhydro	97	16	22

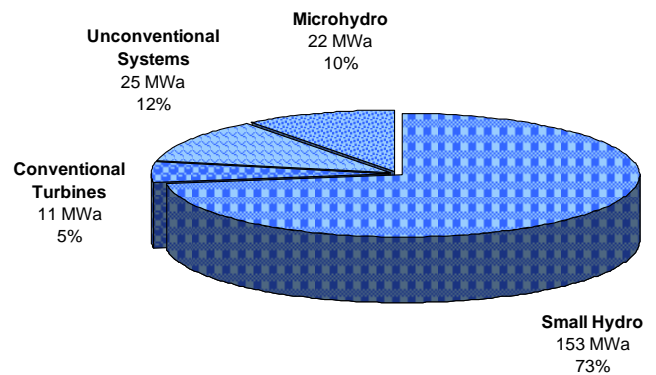
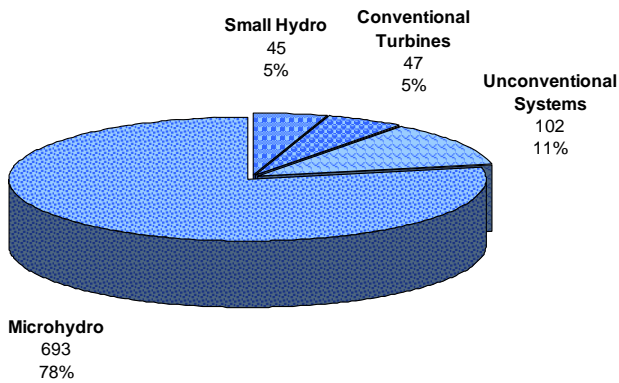
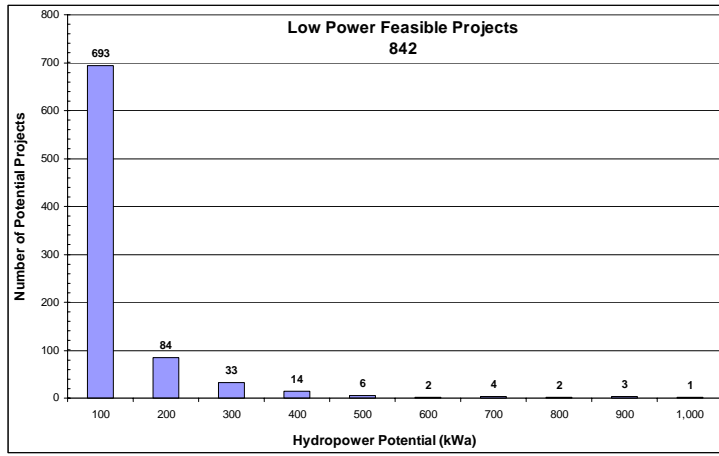
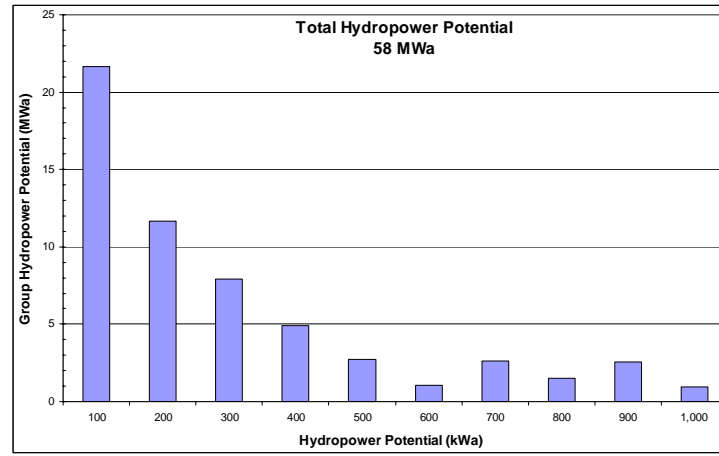


Figure B-197. Distribution of the (a) number and (b) total hydropower potential of the low power and small hydropower feasible projects in South Carolina with the low power projects divided into technology classes.

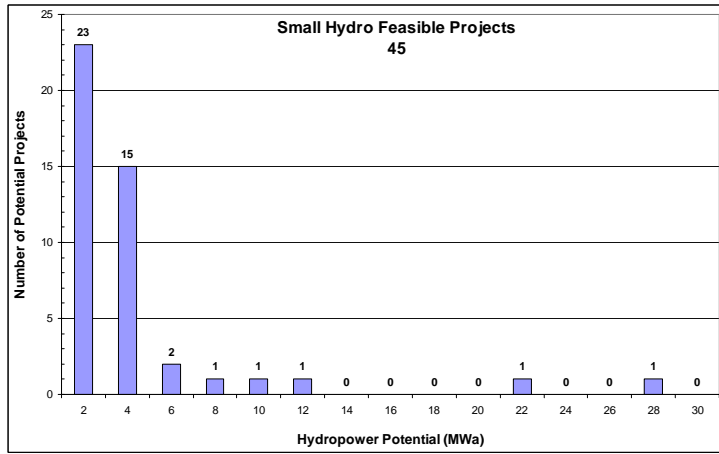


(a)

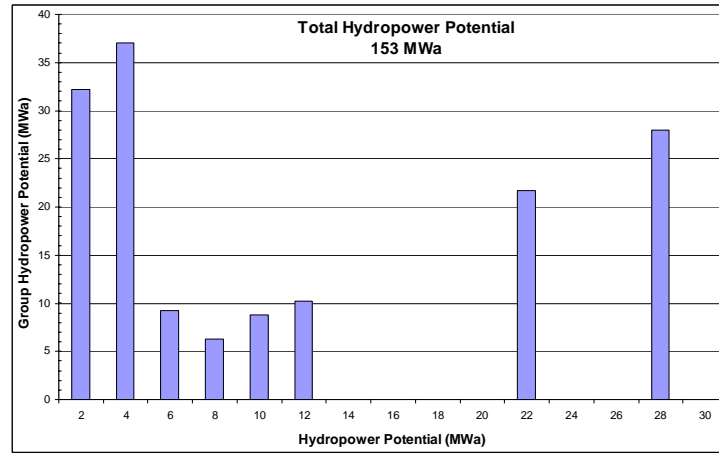


(b)

Figure B-198. Distributions of the (a) number and (b) group hydropower potential of low power feasible projects in South Carolina.



(a)



(b)

Figure B-199. Distributions of the (a) number and (b) group hydropower potential of small hydropower feasible projects in South Carolina.

B-166

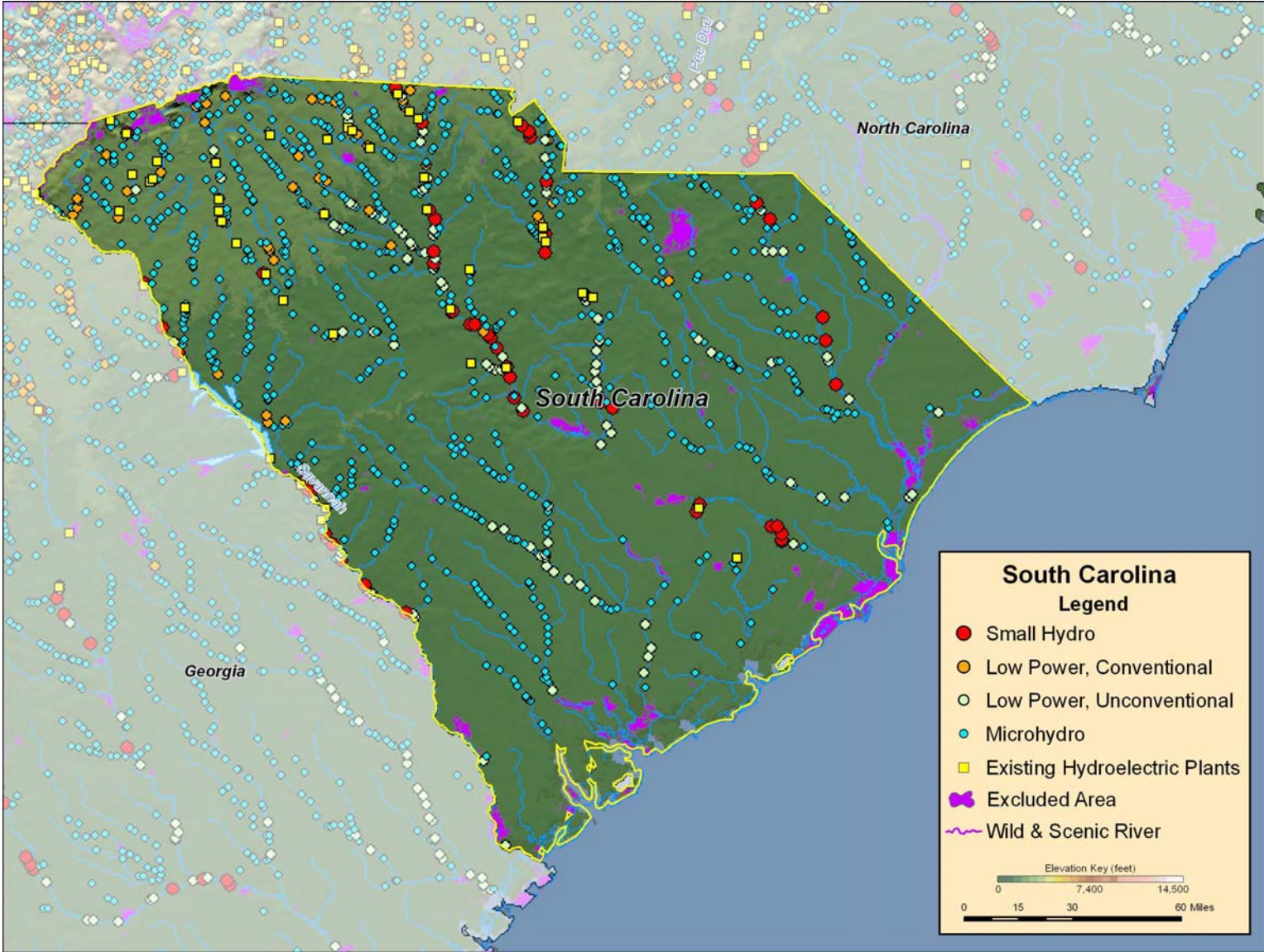
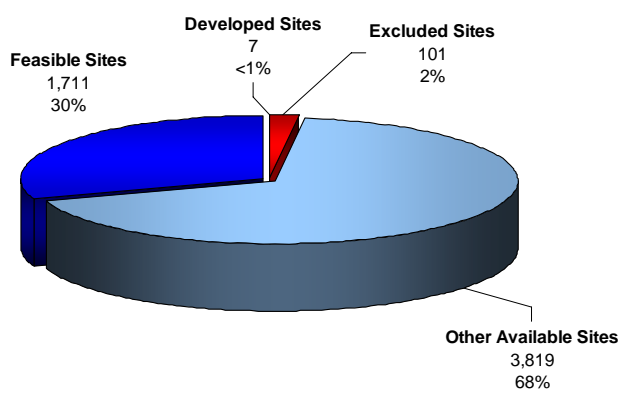


Figure B-200. Low power and small hydro feasible projects, and existing hydroelectric plants in South Carolina.

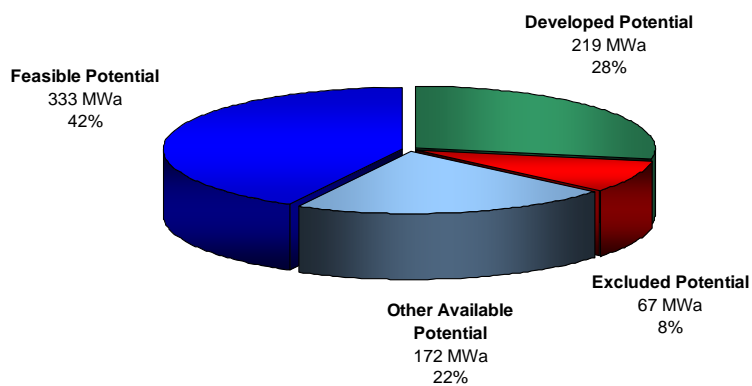
B.41 South Dakota

Table B-83. Summary of results of water energy resource assessment of South Dakota.

Power Class	Total (MWa)	Developed (MWa)	Federally Excluded (MWa)	Other Excluded (MWa)	Available (MWa)
Total Power	791	219	61	5	505
Total High Power	398	219	56	2	121
Large Hydro	268	215	0	0	53
Small Hydro	130	4	56	2	68
Total Low Power	393	0	5	3	384
Conventional Turbines	224	0	3	2	219
Unconventional Systems	31	0	1	0	30
Microhydro	138	0	1	1	135



(a) Total Resource Sites
5,638

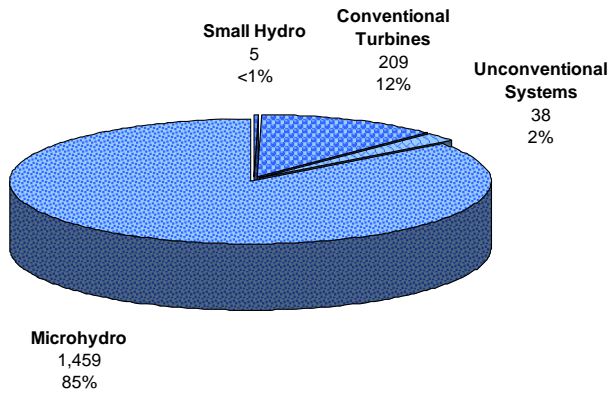


(a) Total Resource Potential
791 MWa

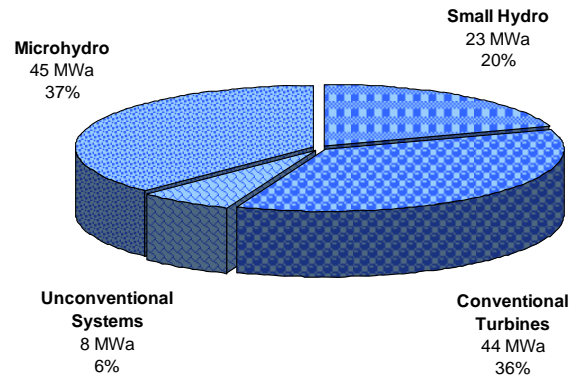
Figure B-201. Power category distribution of the (a) number and (b) total power potential of the water energy resource sites in South Dakota.

Table B-84. Summary of results of feasibility assessment of water energy resources in South Dakota.

Power Class	Available (MWa)	Feasible Sites (MWa)	Feasible Projects (MWa)
Total Power	505	333	119
Total High Power	121	108	23
Large Hydro	53	53	0
Small Hydro	68	55	23
Total Low Power	384	225	96
Conventional Turbines	219	150	44
Unconventional Systems	30	21	8
Microhydro	135	54	45

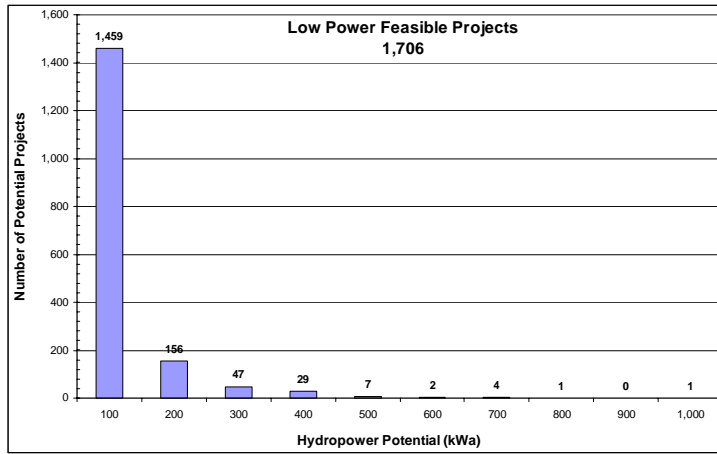


(a) Total Feasible Projects
1,711

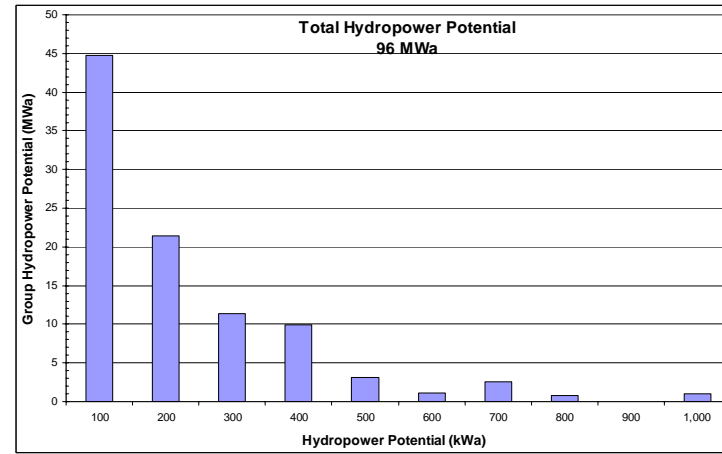


(b) Total Feasible Project Hydropower Potential
119 MWa

Figure B-202. Distribution of the (a) number and (b) total hydropower potential of the low power and small hydropower feasible projects in South Dakota with the low power projects divided into technology classes.

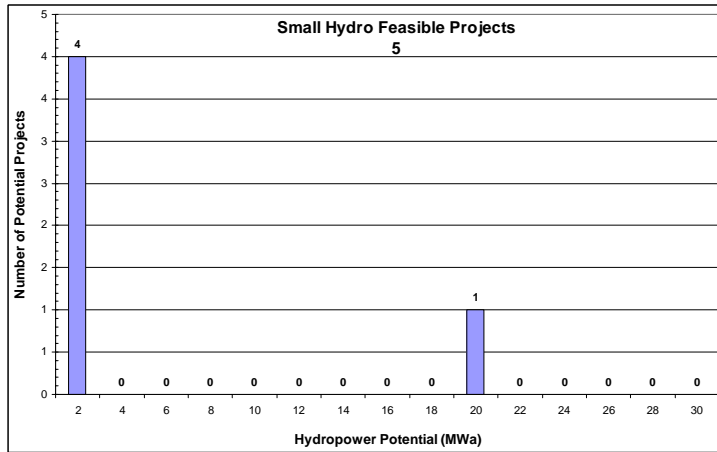


(a)

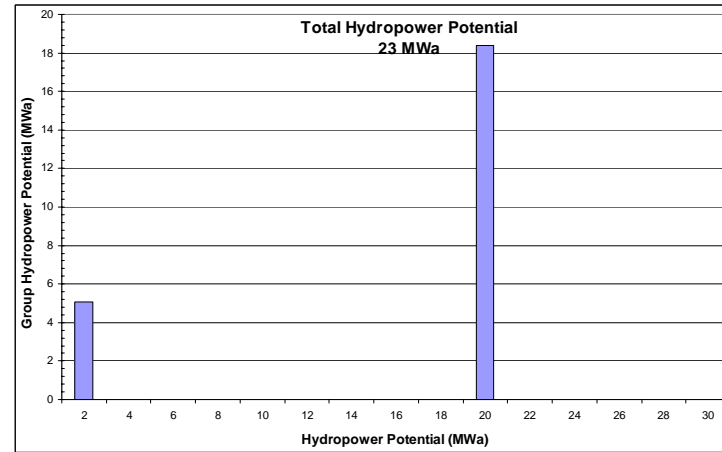


(b)

Figure B-203. Distributions of the (a) number and (b) group hydropower potential of low power feasible projects in South Dakota.

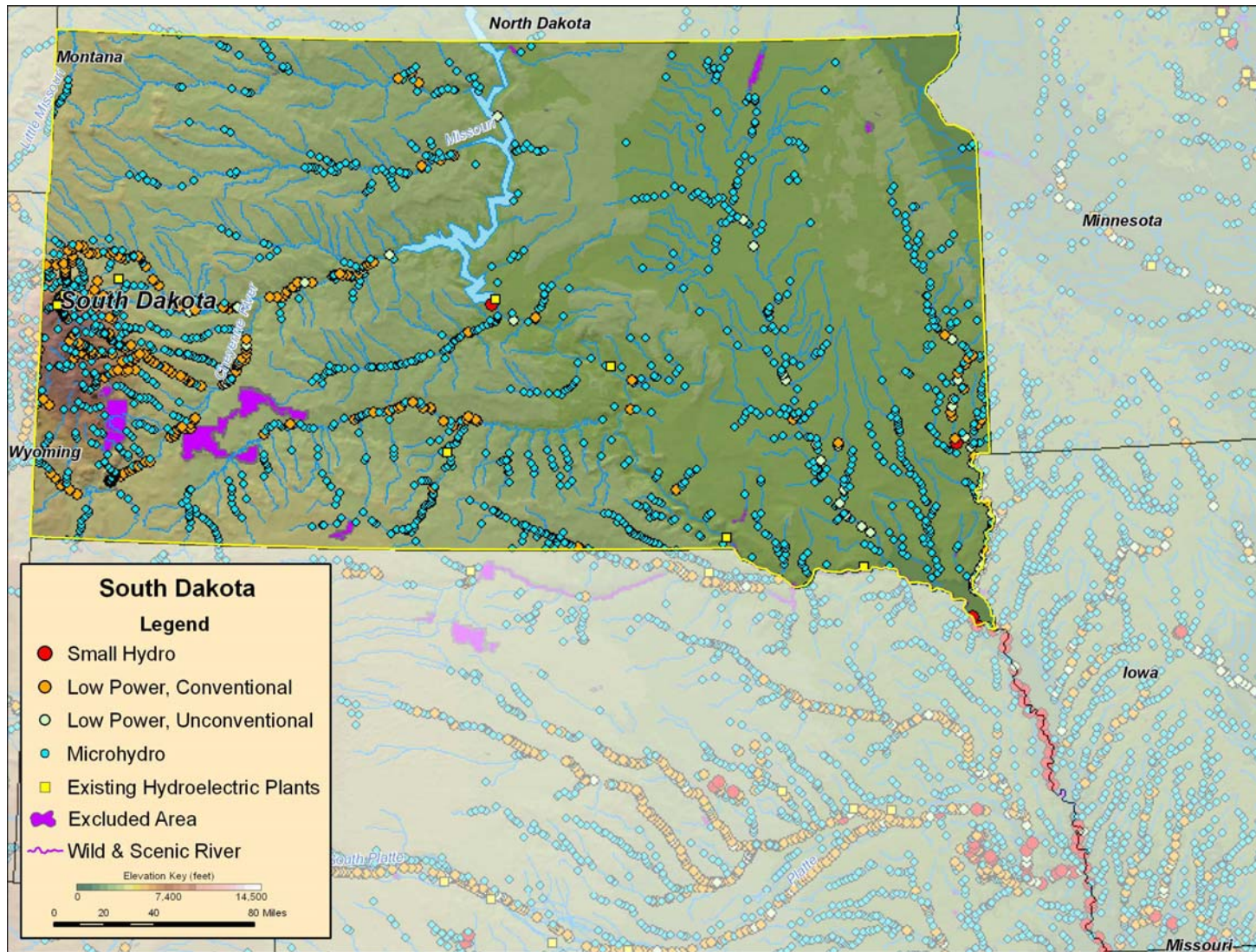


(a)



(b)

Figure B-204. Distributions of the (a) number and (b) group hydropower potential of small hydropower feasible projects in South Dakota.



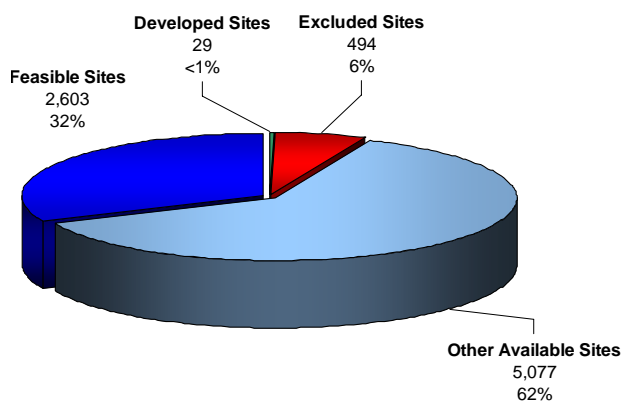
B-170

Figure B-205. Low power and small hydro feasible projects, and existing hydroelectric plants in South Dakota.

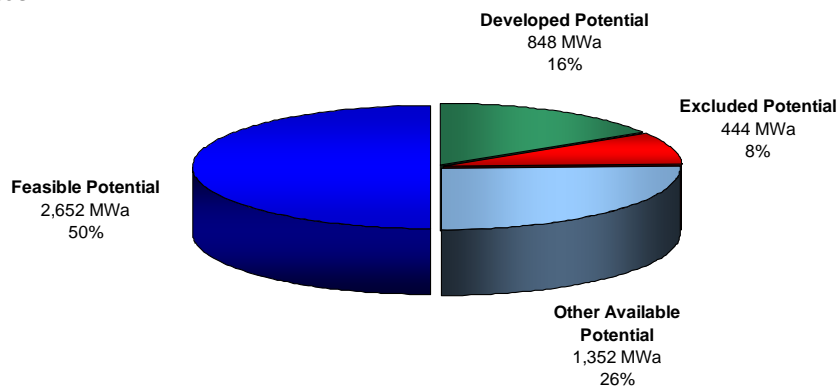
B.42 Tennessee

Table B-85. Summary of results of water energy resource assessment of Tennessee.

Power Class	Total (MWa)	Developed (MWa)	Federally Excluded (MWa)	Other Excluded (MWa)	Available (MWa)
Total Power	5,295	848	333	110	4,003
Total High Power	4,394	847	264	79	3,204
Large Hydro	2,775	683	44	0	2,048
Small Hydro	1,619	163	221	79	1,157
Total Low Power	901	1	69	32	799
Conventional Turbines	610	1	59	29	522
Unconventional Systems	83	0	6	1	77
Microhydro	207	0	5	2	200



(a) Total Resource Sites
8,203

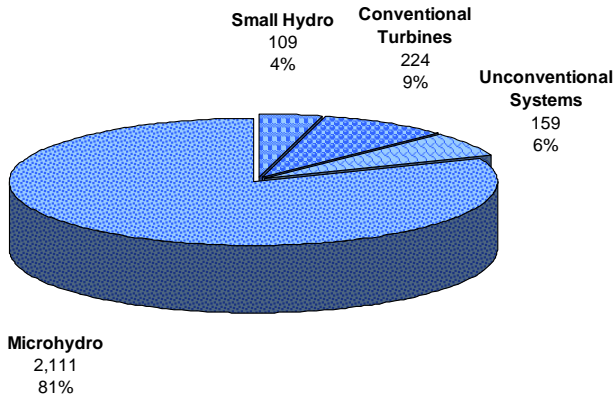


(b) Total Resource Potential
5,295 MWa

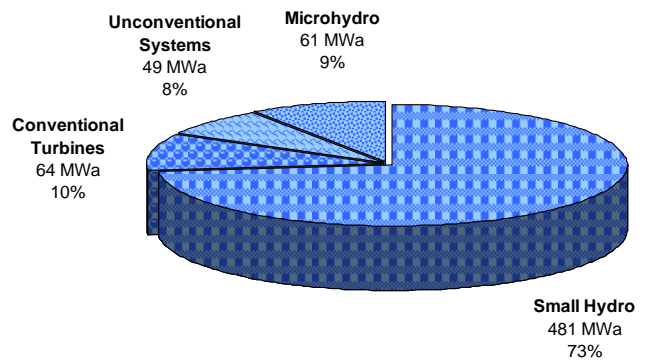
Figure B-206. Power category distribution of the (a) number and (b) total power potential of the water energy resource sites in Tennessee.

Table B-86. Summary of results of feasibility assessment of water energy resources in Tennessee.

Power Class	Available (MWa)	Feasible Sites (MWa)	Feasible Projects (MWa)
Total Power	4,003	2,652	655
Total High Power	3,204	2,185	481
Large Hydro	2,048	1,205	0
Small Hydro	1,157	980	481
Total Low Power	799	467	174
Conventional Turbines	522	352	64
Unconventional Systems	77	59	49
Microhydro	200	56	61

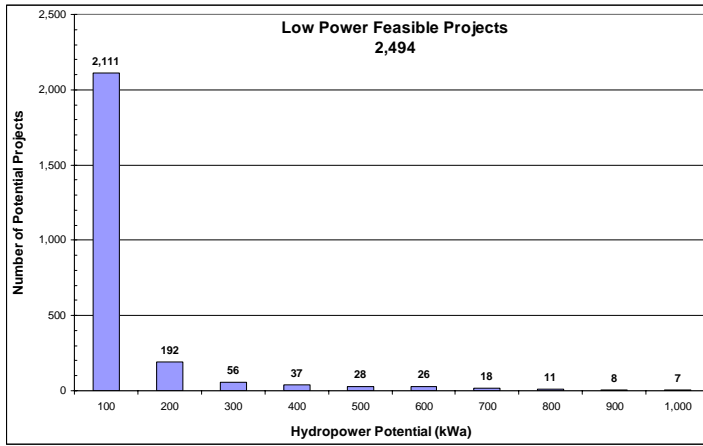


(a) Total Feasible Projects
2,603

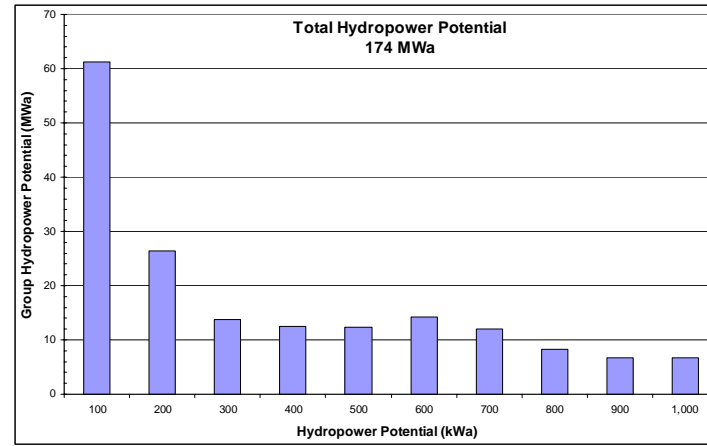


(b) Total Feasible Project Hydropower Potential
655 MWa

Figure B-207. Distribution of the (a) number and (b) total hydropower potential of the low power and small hydropower feasible projects in Tennessee with the low power projects divided into technology classes.

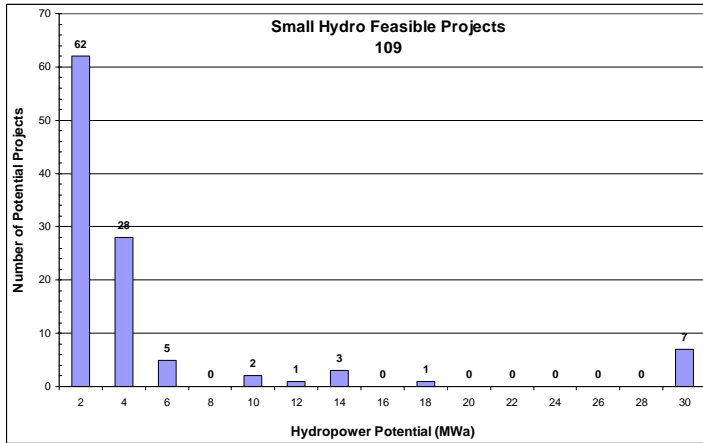


(a)

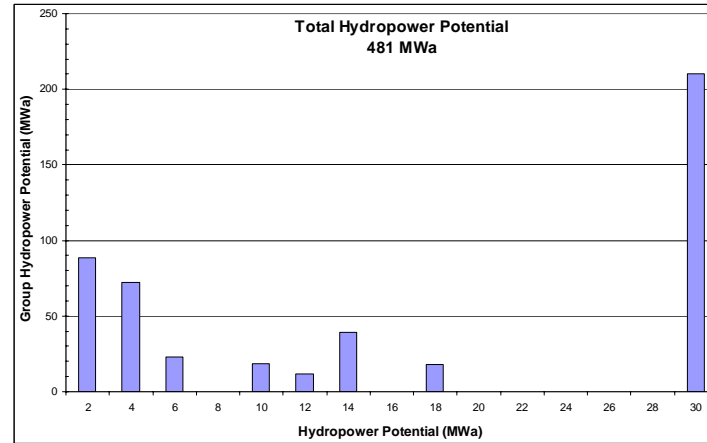


(b)

Figure B-208. Distributions of the (a) number and (b) group hydropower potential of low power feasible projects in Tennessee.



(a)



(b)

Figure B-209. Distributions of the (a) number and (b) group hydropower potential of small hydropower feasible projects in Tennessee.

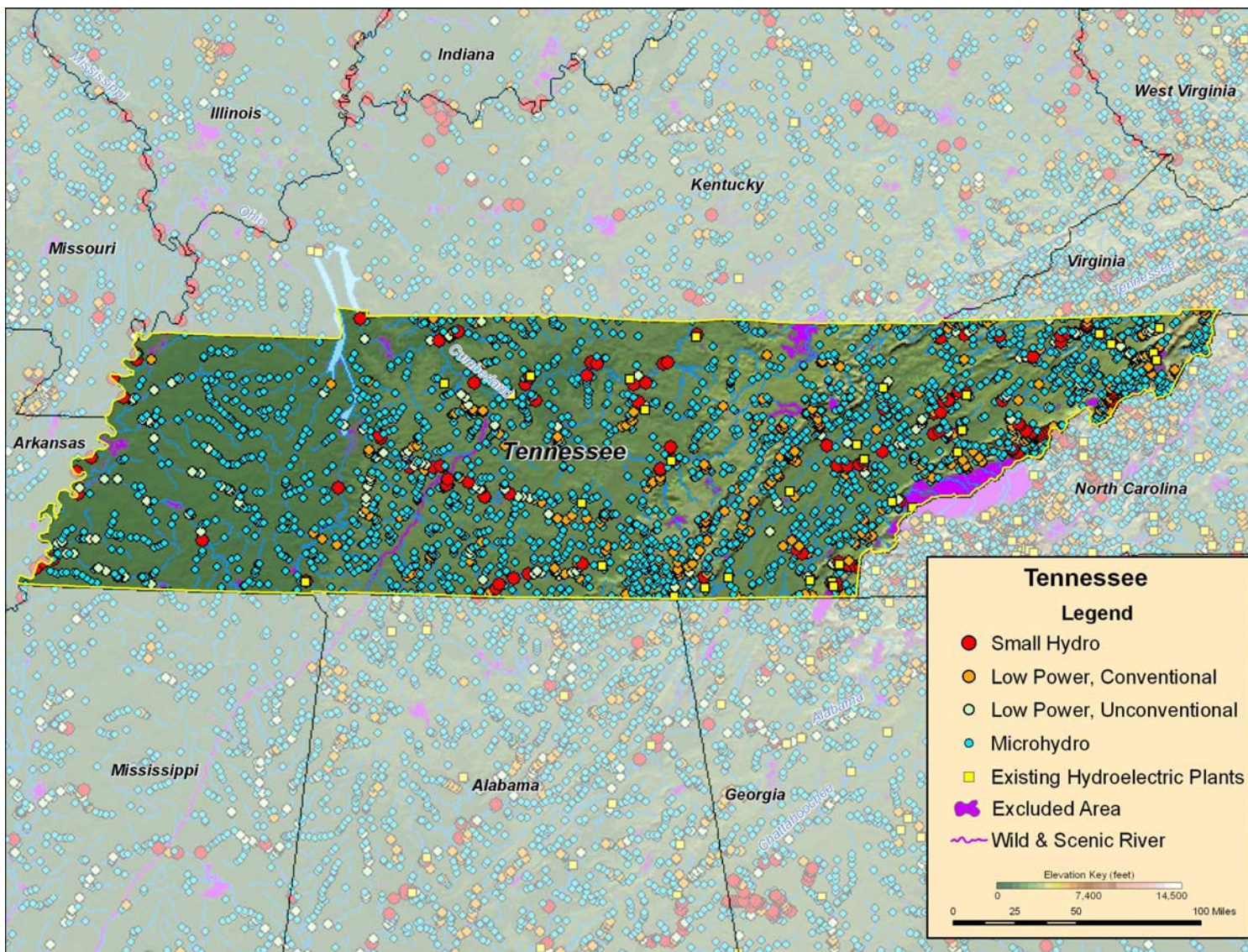
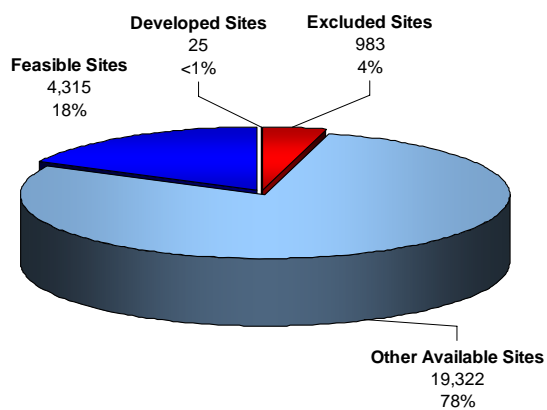


Figure B-210. Low power and small hydro feasible projects, and existing hydroelectric plants in Tennessee.

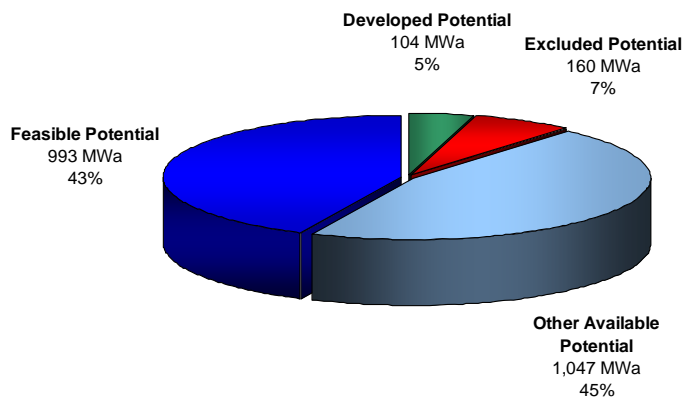
B.43 Texas

Table B-87. Summary of results of water energy resource assessment of Texas.

Power Class	Total (MWa)	Developed (MWa)	Federally Excluded (MWa)	Other Excluded (MWa)	Available (MWa)
Total Power	2,304	104	98	61	2,040
Total High Power	705	97	72	15	521
Large Hydro	32	32	0	0	0
Small Hydro	674	66	72	15	521
Total Low Power	1,598	7	27	46	1,519
Conventional Turbines	696	7	8	20	661
Unconventional Systems	262	0	10	9	242
Microhydro	641	0	8	17	616



(a) Total Resource Sites
24,645

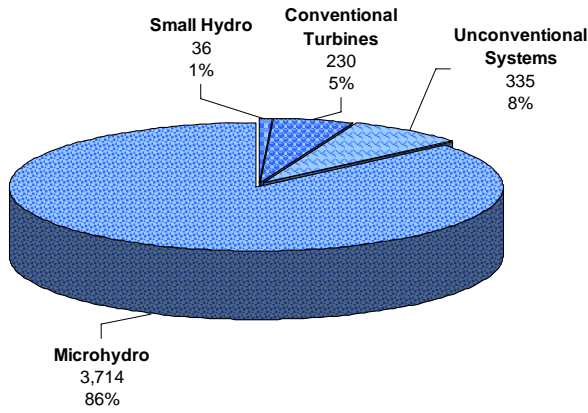


(b) Total Resource Potential
2,304 MWa

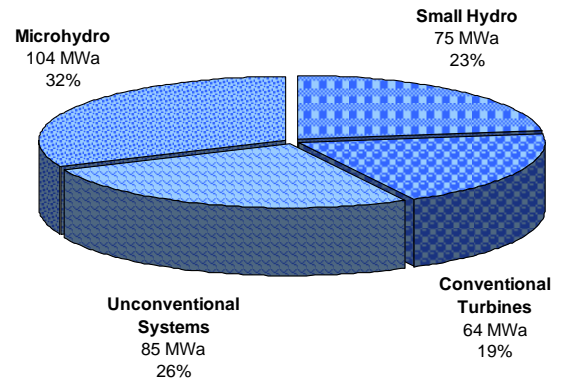
Figure B-211. Power category distribution of the (a) number and (b) total power potential of the water energy resource sites in Texas.

Table B-88. Summary of results of feasibility assessment of water energy resources in Texas.

Power Class	Available (MWa)	Feasible Sites (MWa)	Feasible Projects (MWa)
Total Power	2,040	993	328
Total High Power	521	380	75
Large Hydro	0	0	0
Small Hydro	521	380	75
Total Low Power	1,519	613	253
Conventional Turbines	661	332	64
Unconventional Systems	242	151	85
Microhydro	616	130	104

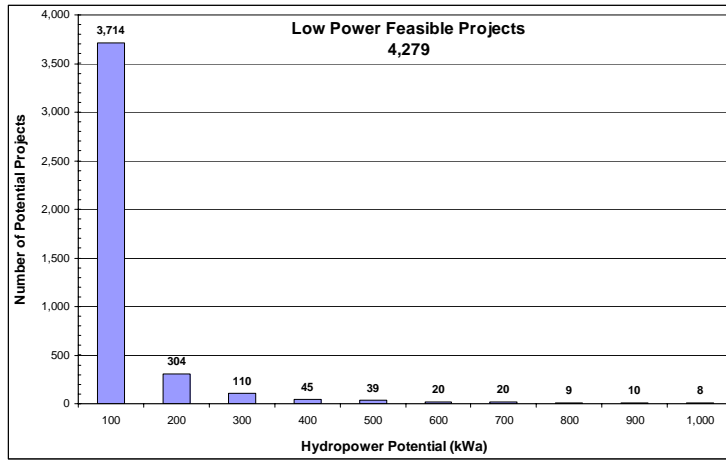


(a) Total Feasible Projects
4,315

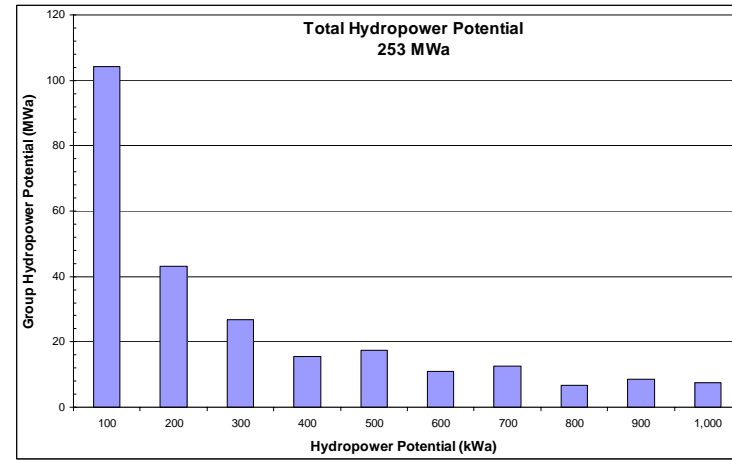


(b) Total Feasible Project Hydropower Potential
328 MWa

Figure B-212. Distribution of the (a) number and (b) total hydropower potential of the low power and small hydropower feasible projects in Texas with the low power projects divided into technology classes.

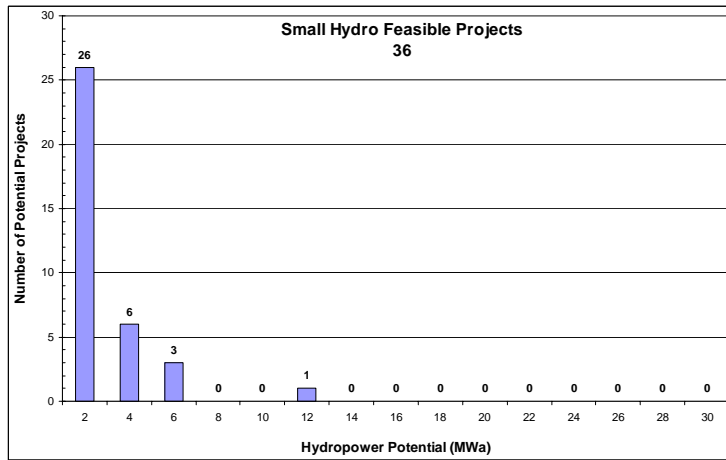


(a)

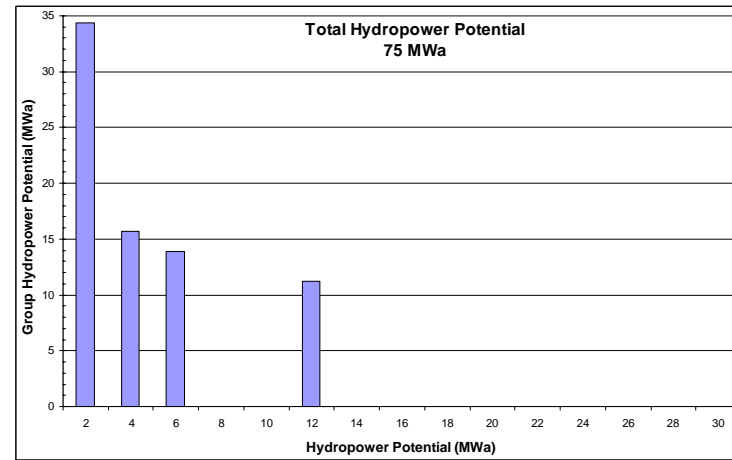


(b)

Figure B-213. Distributions of the (a) number and (b) group hydropower potential of low power feasible projects in Texas.



(a)



(b)

Figure B-214. Distributions of the (a) number and (b) group hydropower potential of small hydropower feasible projects in Texas.

B-178

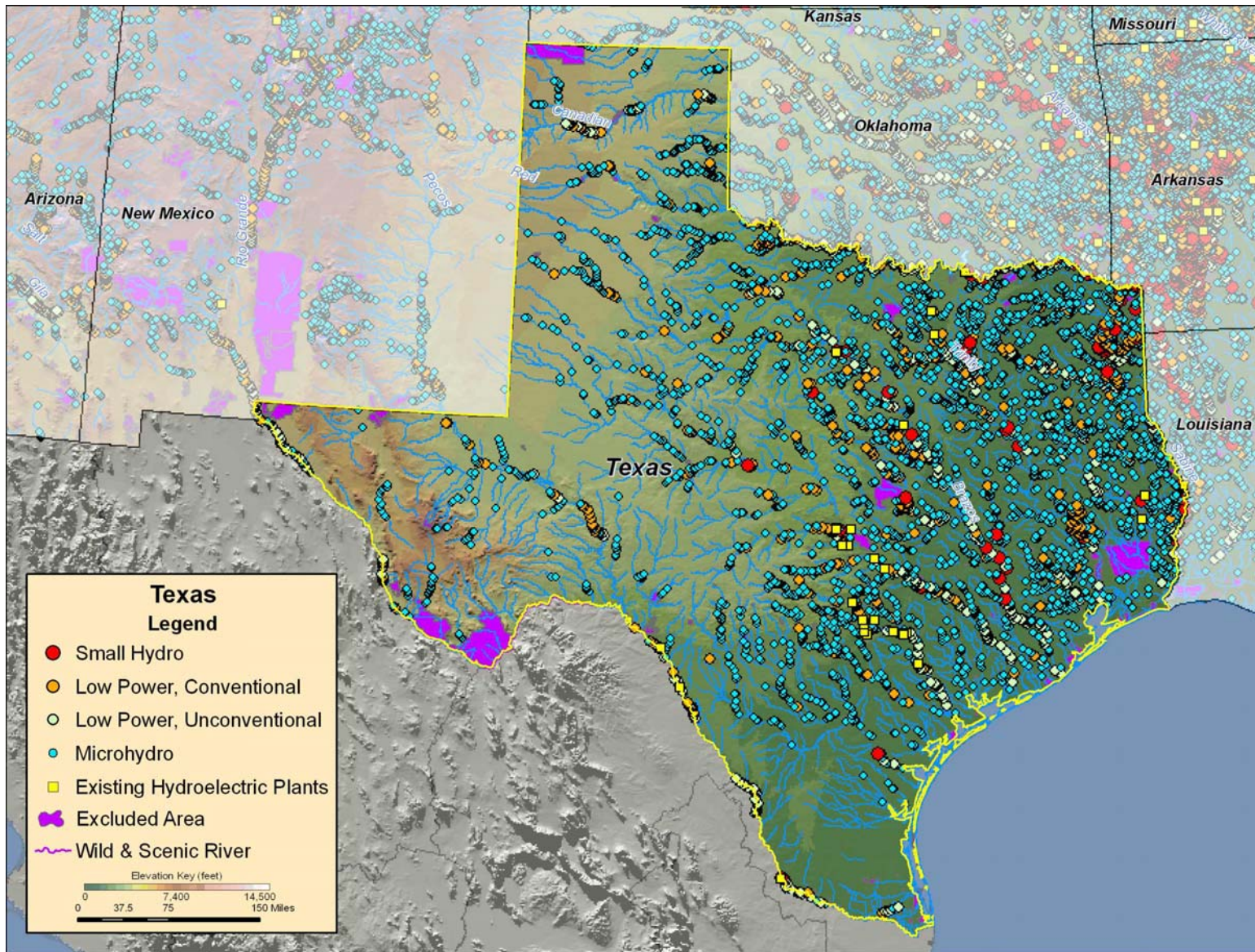
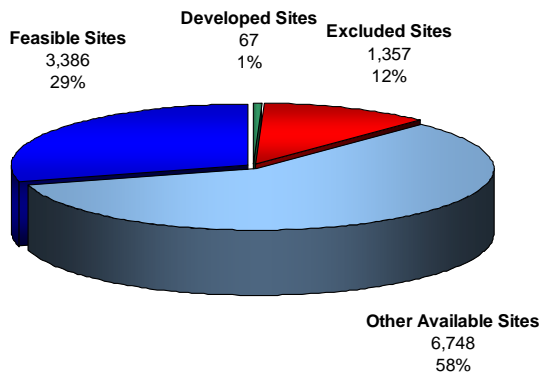


Figure B-215. Low power and small hydro feasible projects, and existing hydroelectric plants in Texas.

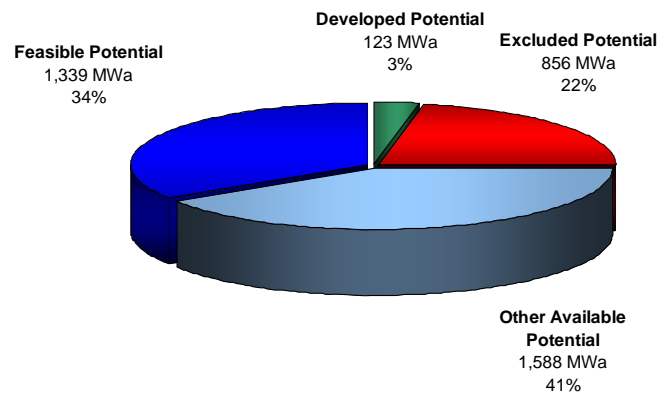
B.44 Utah

Table B-89. Summary of results of water energy resource assessment of Utah.

Power Class	Total (MWa)	Developed (MWa)	Federally Excluded (MWa)	Other Excluded (MWa)	Available (MWa)
Total Power	3,906	123	736	120	2,927
Total High Power	2,394	110	594	90	1,600
Large Hydro	183	66	74	0	43
Small Hydro	2,211	44	520	90	1,557
Total Low Power	1,512	13	142	30	1,328
Conventional Turbines	1,217	12	116	24	1,065
Unconventional Systems	37	0	3	0	33
Microhydro	258	1	23	5	229



(a) Total Resource Sites
11,558

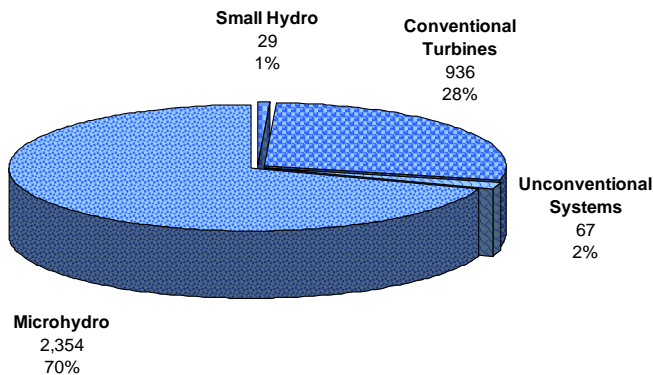


(b) Total Resource Potential
3,906 MWa

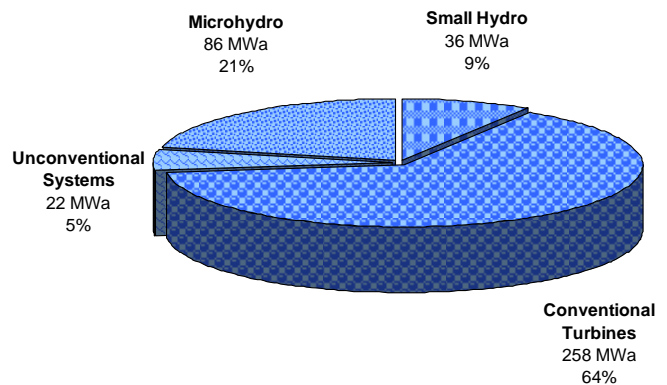
Figure B-216. Power category distribution of the (a) number and (b) total power potential of the water energy resource sites in Utah.

Table B-90. Summary of results of feasibility assessment of water energy resources in Utah.

Power Class	Available (MWa)	Feasible Sites (MWa)	Feasible Projects (MWa)
Total Power	2,927	1,339	401
Total High Power	1,600	710	36
Large Hydro	43	0	0
Small Hydro	1,557	710	36
Total Low Power	1,328	629	365
Conventional Turbines	1,065	529	258
Unconventional Systems	33	25	22
Microhydro	229	74	86

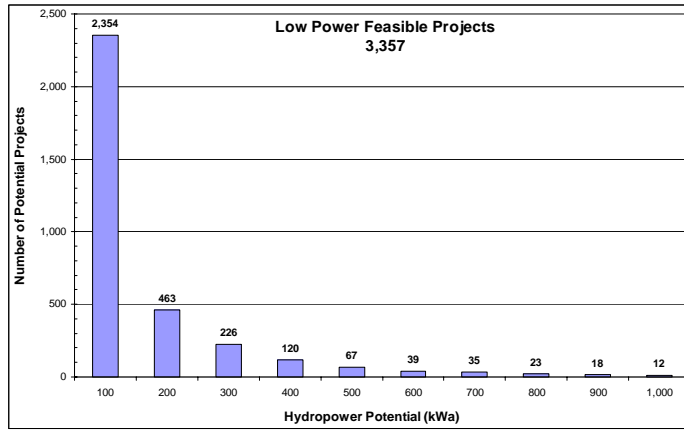


(a) Total Feasible Projects
3,386

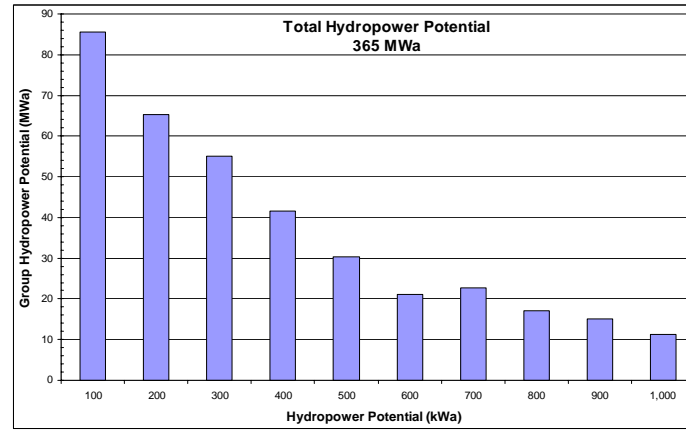


(b) Total Feasible Project Hydropower Potential
401 MWa

Figure B-217. Distribution of the (a) number and (b) total hydropower potential of the low power and small hydropower feasible projects in Utah with the low power projects divided into technology classes.

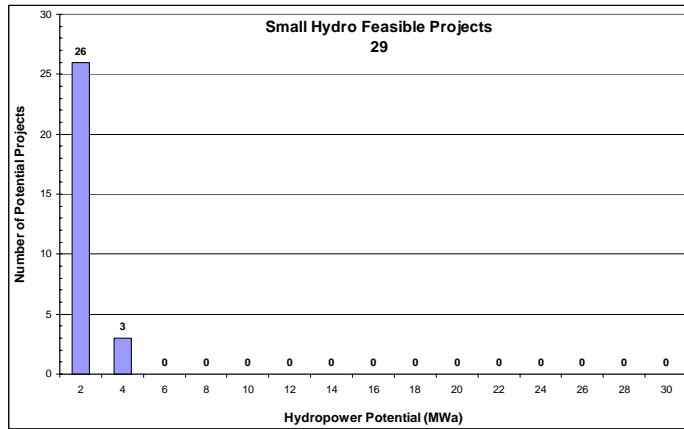


(a)

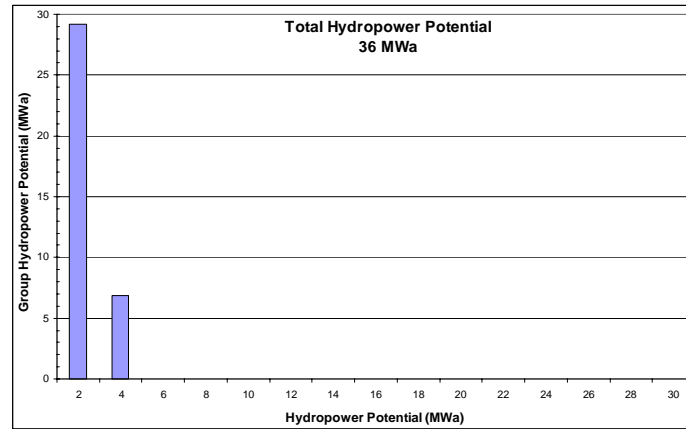


(b)

Figure B-218. Distributions of the (a) number and (b) group hydropower potential of low power feasible projects in Utah.



(a)



(b)

Figure B-219. Distributions of the (a) number and (b) group hydropower potential of small hydropower feasible projects in Utah.

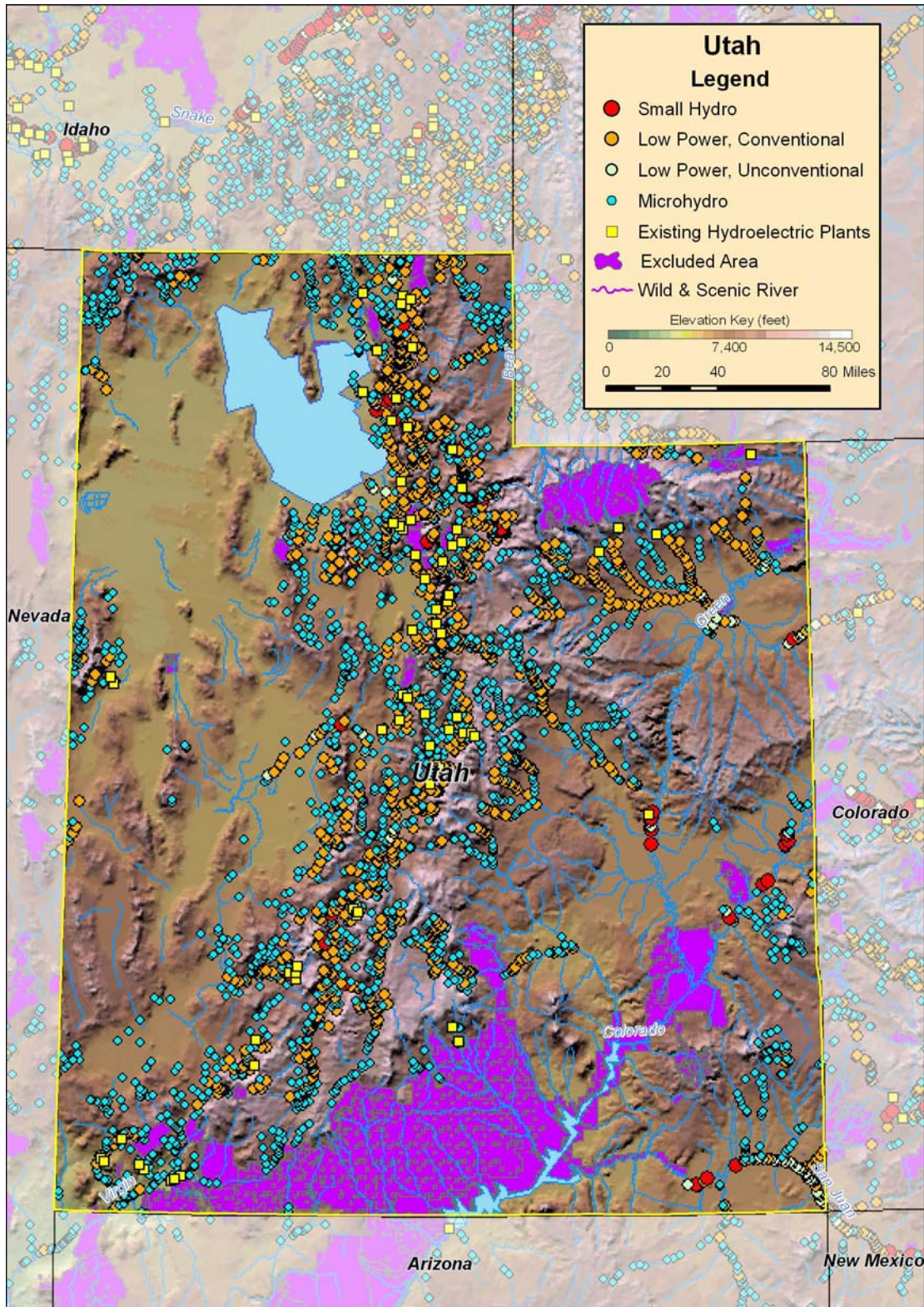
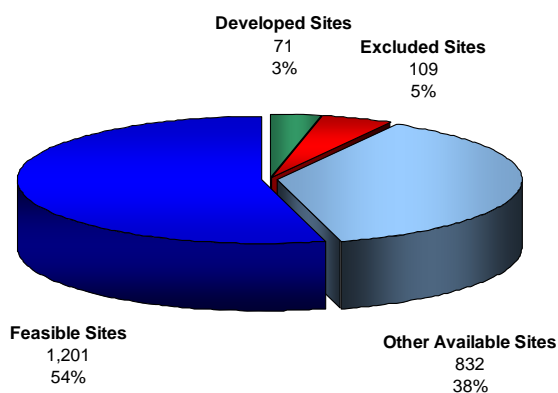


Figure B-220. Low power and small hydro feasible projects, and existing hydroelectric plants in Utah.

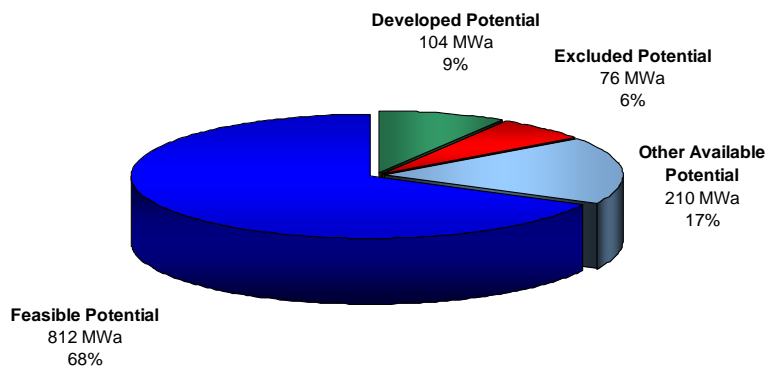
B.45 Vermont

Table B-91. Summary of results of water energy resource assessment of Vermont.

Power Class	Total (MWa)	Developed (MWa)	Federally Excluded (MWa)	Other Excluded (MWa)	Available (MWa)
Total Power	1,202	104	33	43	1,022
Total High Power	745	85	27	26	606
Large Hydro	97	54	0	0	43
Small Hydro	648	31	27	26	564
Total Low Power	457	19	6	16	416
Conventional Turbines	408	15	6	14	373
Unconventional Systems	15	3	0	2	11
Microhydro	34	1	0	1	32



(a) Total Resource Sites
2,213

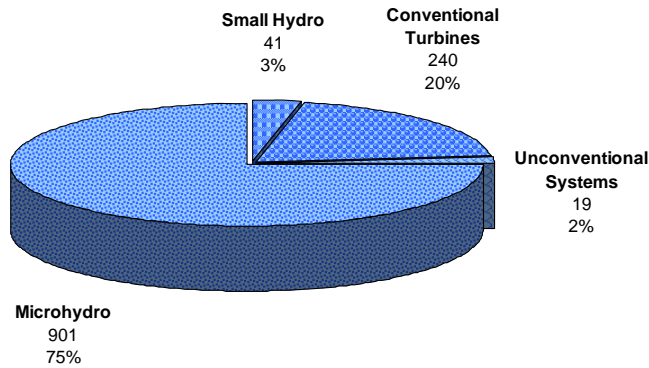


(b) Total Resource Potential
1,202 MWa

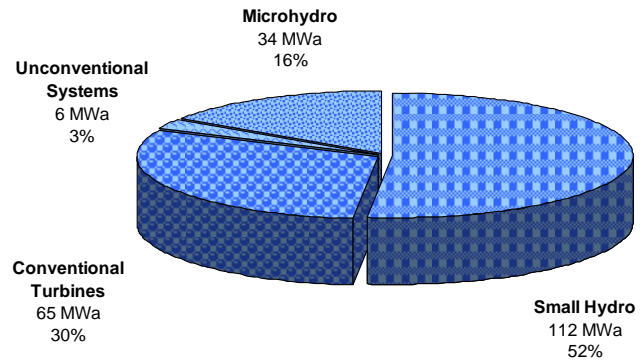
Figure B-221. Power category distribution of the (a) number and (b) total power potential of the water energy resource sites in Vermont.

Table B-92. Summary of results of feasibility assessment of water energy resources in Vermont.

Power Class	Available (MWa)	Feasible Sites (MWa)	Feasible Projects (MWa)
Total Power	1,022	812	217
Total High Power	606	552	112
Large Hydro	43	43	0
Small Hydro	564	509	112
Total Low Power	416	260	105
Conventional Turbines	373	233	65
Unconventional Systems	11	10	6
Microhydro	32	18	34

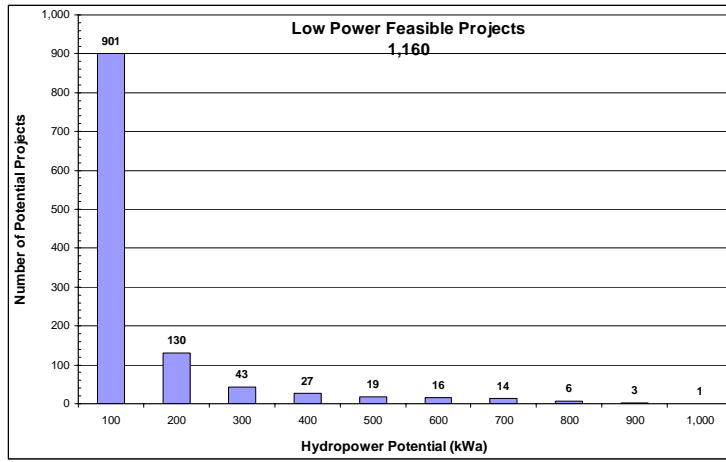


(a) Total Feasible Projects
1,201

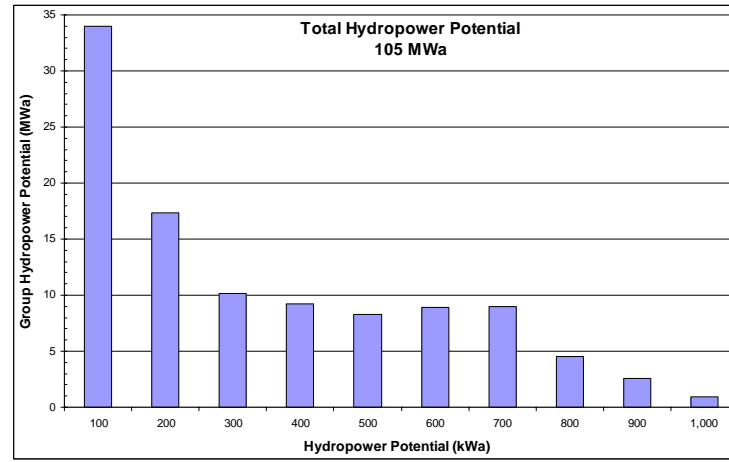


(b) Total Feasible Project Hydropower Potential
217 MWa

Figure B-222. Distribution of the (a) number and (b) total hydropower potential of the low power and small hydropower feasible projects in Vermont with the low power projects divided into technology classes.

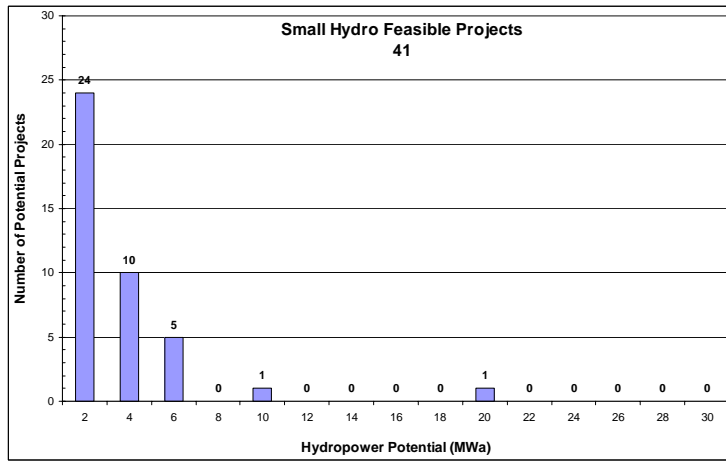


(a)

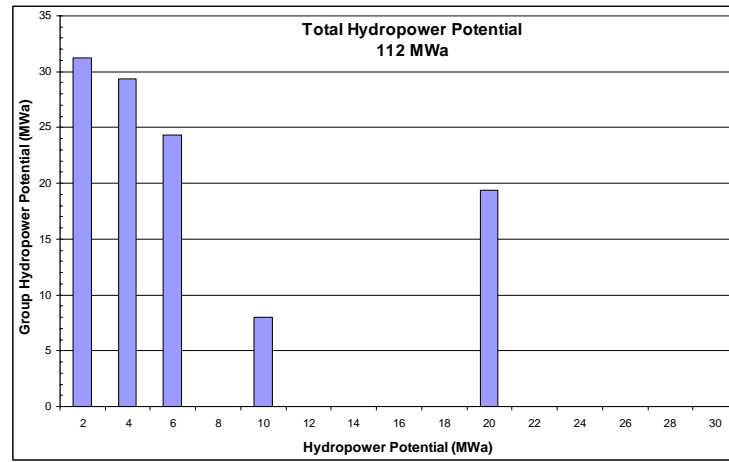


(b)

Figure B-223. Distributions of the (a) number and (b) group hydropower potential of low power feasible projects in Vermont.



(a)



(b)

Figure B-224. Distributions of the (a) number and (b) group hydropower potential of small hydropower feasible projects in Vermont.

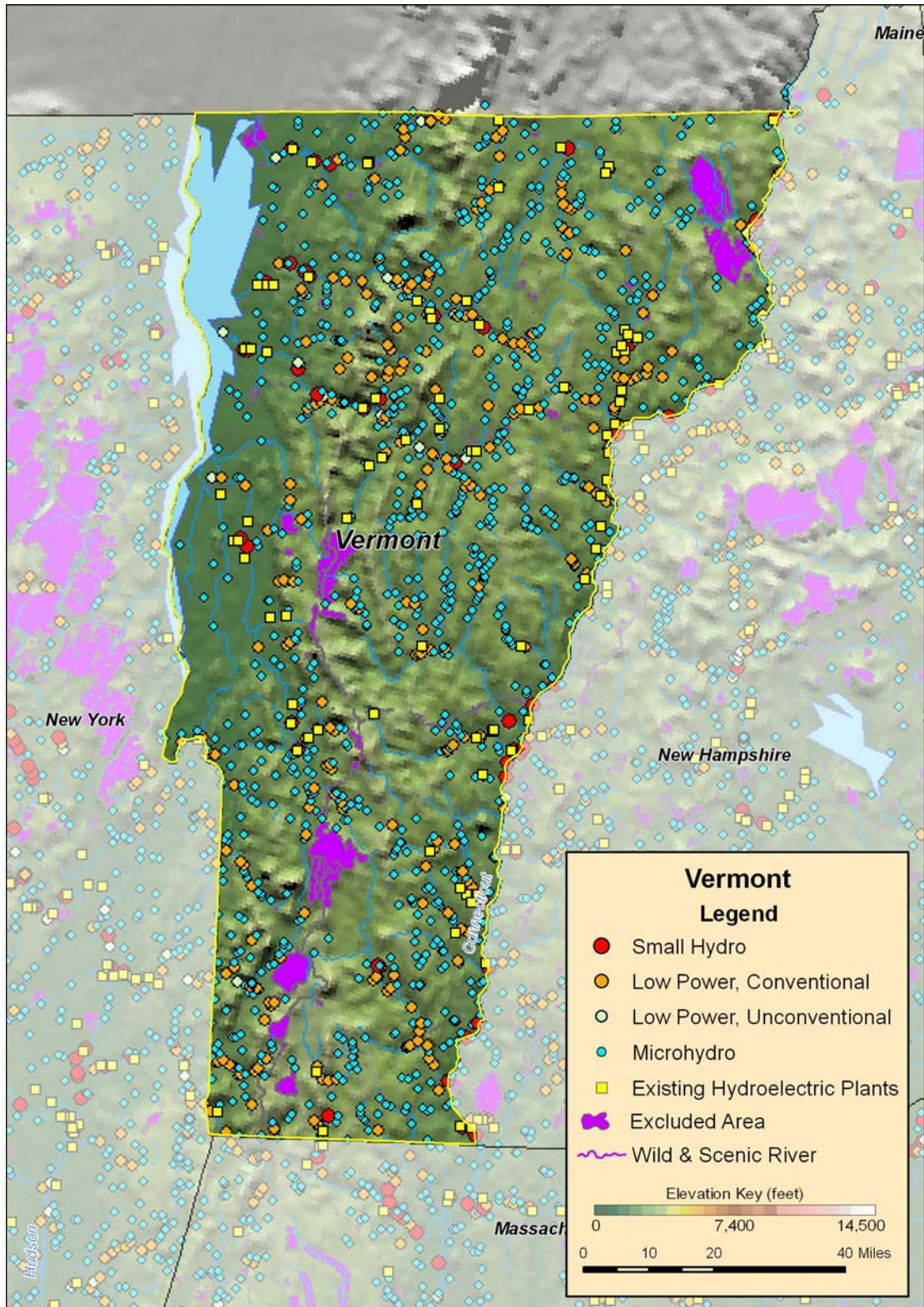
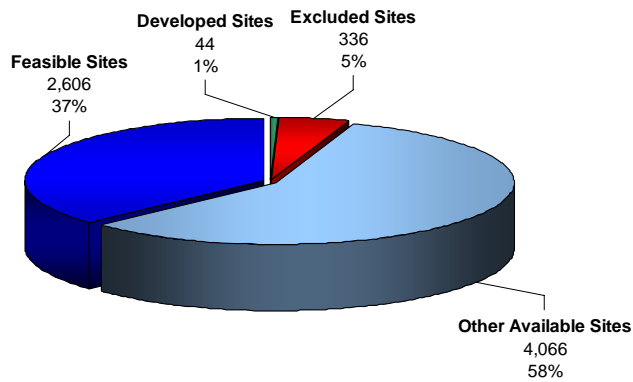


Figure B-225. Low power and small hydro feasible projects, and existing hydroelectric plants in Vermont.

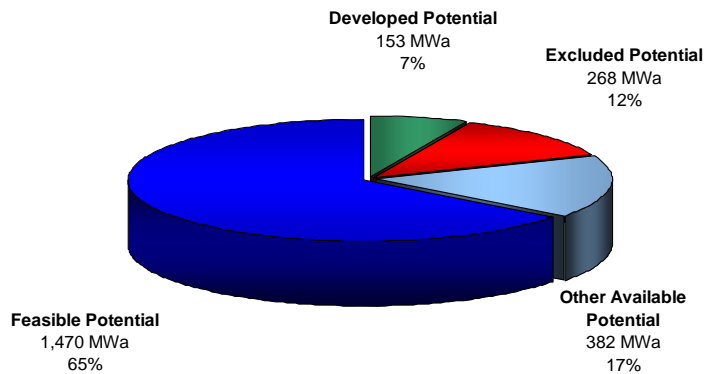
B.46 Virginia

Table B-93. Summary of results of water energy resource assessment of Virginia.

Power Class	Total (MWa)	Developed (MWa)	Federally Excluded (MWa)	Other Excluded (MWa)	Available (MWa)
Total Power	2,274	153	175	94	1,853
Total High Power	1,443	145	140	73	1,084
Large Hydro	140	92	48	0	0
Small Hydro	1,303	53	93	73	1,084
Total Low Power	831	8	34	21	768
Conventional Turbines	613	5	31	18	559
Unconventional Systems	49	2	0	0	47
Microhydro	169	1	3	2	163



(a) Total Resource Sites
7,052

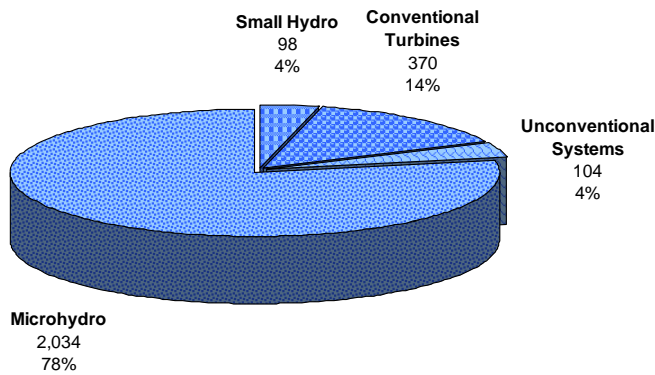


(b) Total Resource Potential
2,274 MWa

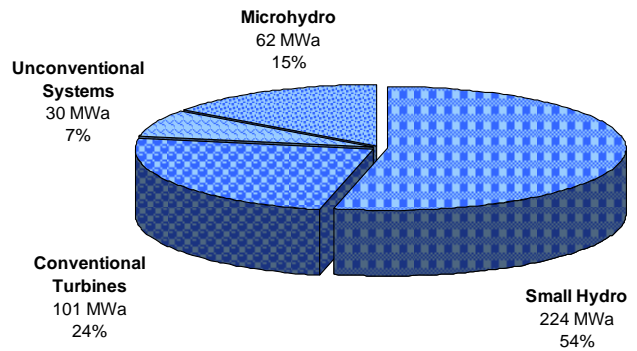
Figure B-226. Power category distribution of the (a) number and (b) total power potential of the water energy resource sites in Virginia.

Table B-94. Summary of results of feasibility assessment of water energy resources in Virginia.

Power Class	Available (MWa)	Feasible Sites (MWa)	Feasible Projects (MWa)
Total Power	1,853	1,470	418
Total High Power	1,084	965	224
Large Hydro	0	0	0
Small Hydro	1,084	965	224
Total Low Power	768	505	194
Conventional Turbines	559	416	101
Unconventional Systems	47	37	30
Microhydro	163	52	62

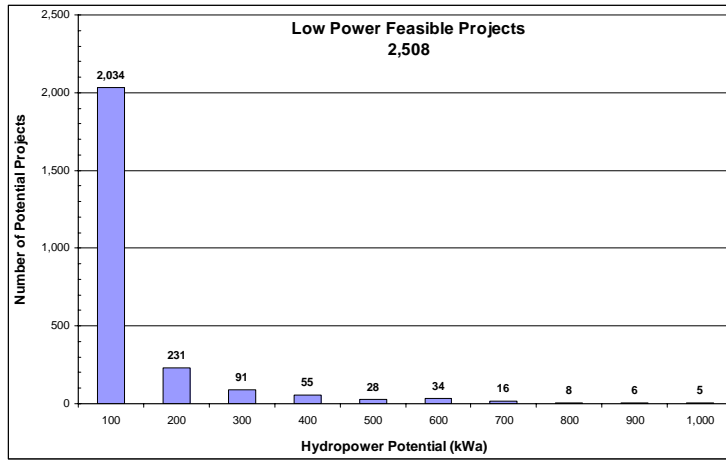


(a) Total Feasible Projects
2,606

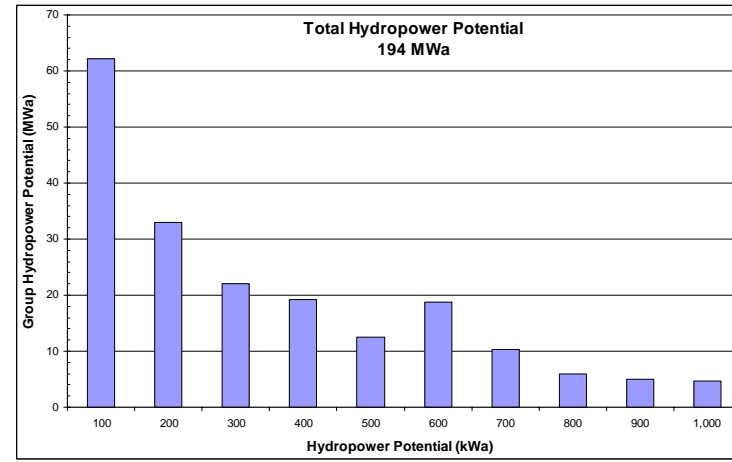


(b) Total Feasible Project Hydropower Potential
418 MWa

Figure B-227. Distribution of the (a) number and (b) total hydropower potential of the low power and small hydropower feasible projects in Virginia with the low power projects divided into technology classes.

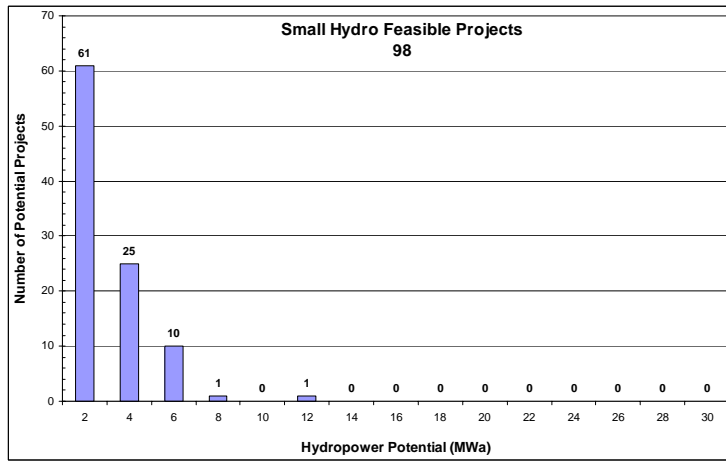


(a)

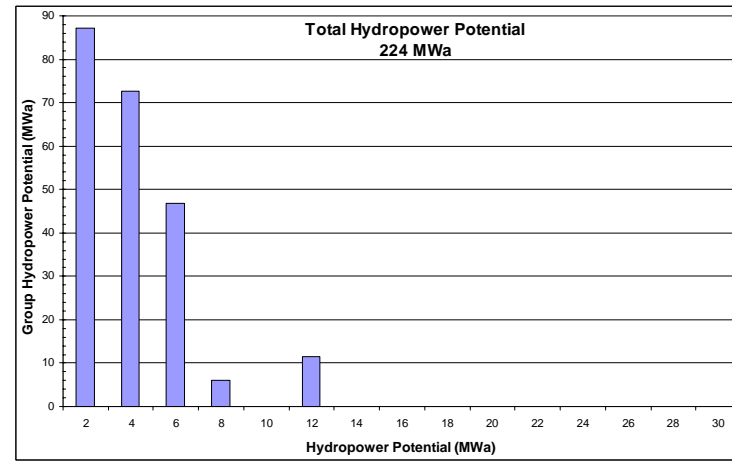


(b)

Figure B-228. Distributions of the (a) number and (b) group hydropower potential of low power feasible projects in Virginia.

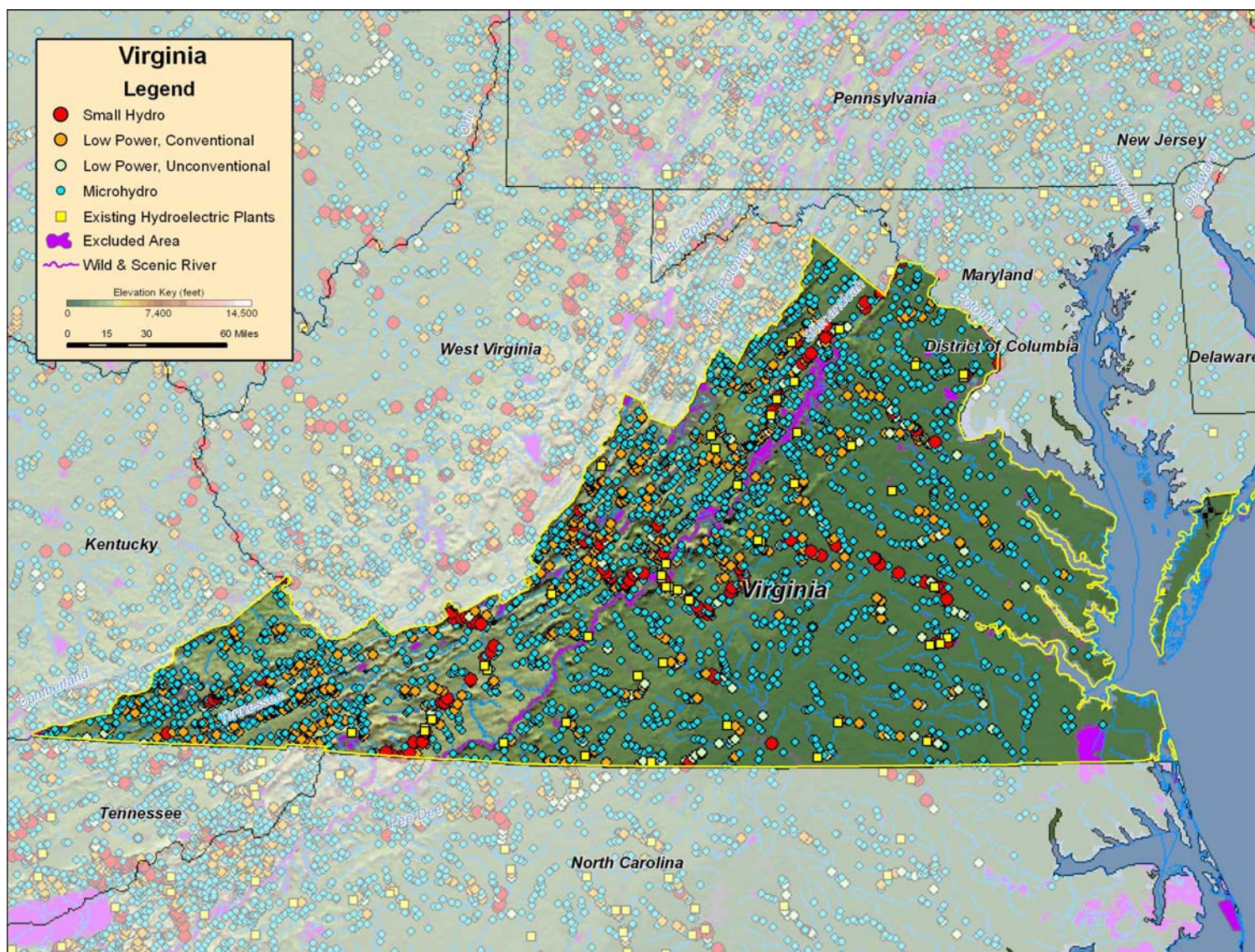


(a)



(b)

Figure B-229. Distributions of the (a) number and (b) group hydropower potential of small hydropower feasible projects in Virginia.



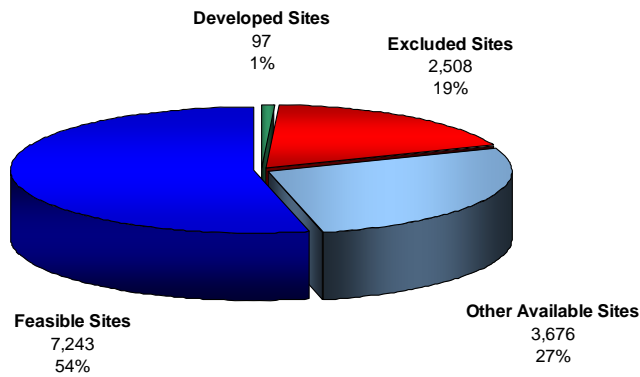
B-190

Figure B-230. Low power and small hydro feasible projects, and existing hydroelectric plants in Virginia.

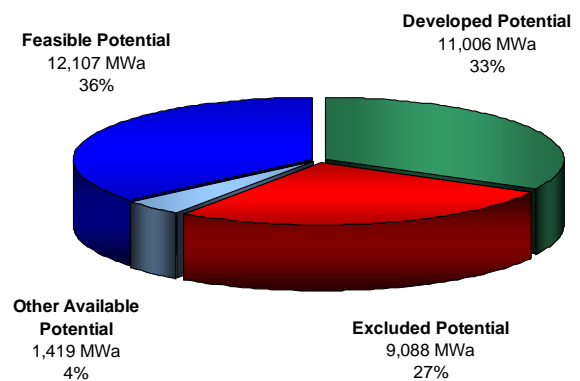
B.47 Washington

Table B-95. Summary of results of water energy resource assessment of Washington.

Power Class	Total (MWa)	Developed (MWa)	Federally Excluded (MWa)	Other Excluded (MWa)	Available (MWa)
Total Power	33,620	11,006	7,995	1,093	13,526
Total High Power	31,510	10,997	7,676	1,042	11,796
Large Hydro	14,980	10,761	886	187	3,146
Small Hydro	16,531	236	6,790	855	8,649
Total Low Power	2,110	9	319	51	1,731
Conventional Turbines	1,836	8	303	47	1,477
Unconventional Systems	81	0	7	1	73
Microhydro	193	1	9	3	181



(a) Total Resource Sites
13,524



(b) Total Resource Potential
33,620 MWa

Figure B-231. Power category distribution of the (a) number and (b) total power potential of the water energy resource sites in Washington.

Table B-96. Summary of results of feasibility assessment of water energy resources in Washington.

Power Class	Available (MWa)	Feasible Sites (MWa)	Feasible Projects (MWa)
Total Power	13,526	12,107	3,106
Total High Power	11,796	10,717	2,263
Large Hydro	3,146	3,071	0
Small Hydro	8,649	7,646	2,263
Total Low Power	1,731	1,390	843
Conventional Turbines	1,477	1,212	601
Unconventional Systems	73	70	87
Microhydro	181	108	155

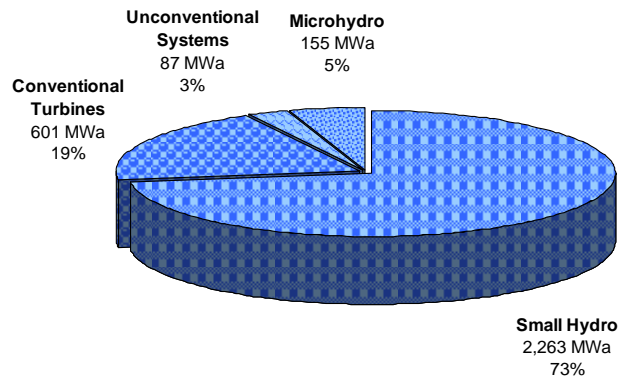
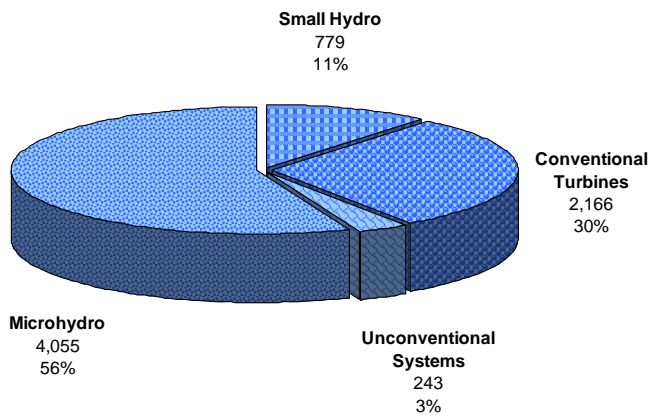
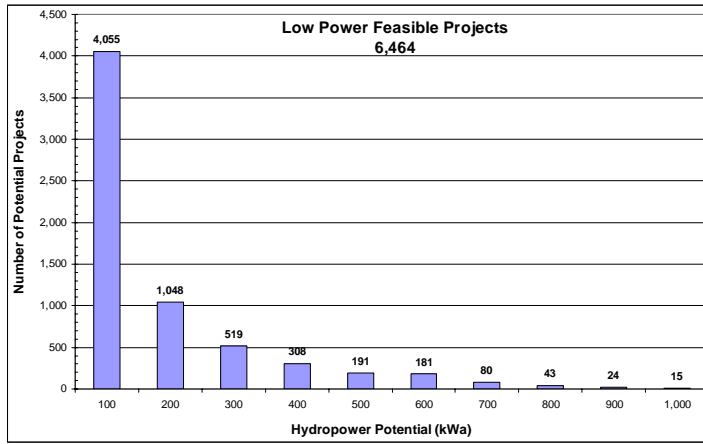
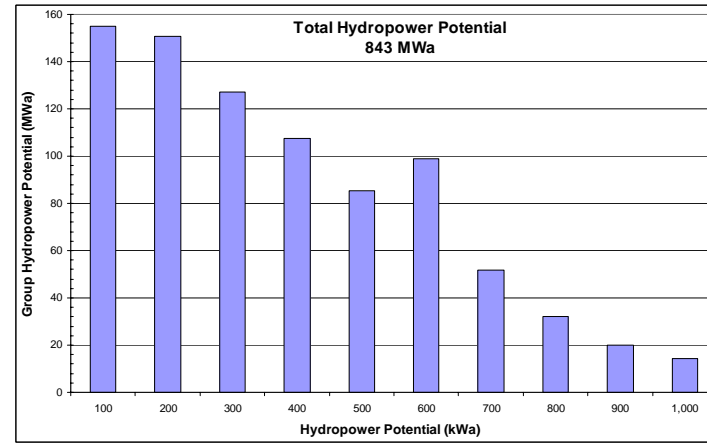


Figure B-232. Distribution of the (a) number and (b) total hydropower potential of the low power and small hydropower feasible projects in Washington with the low power projects divided into technology classes.

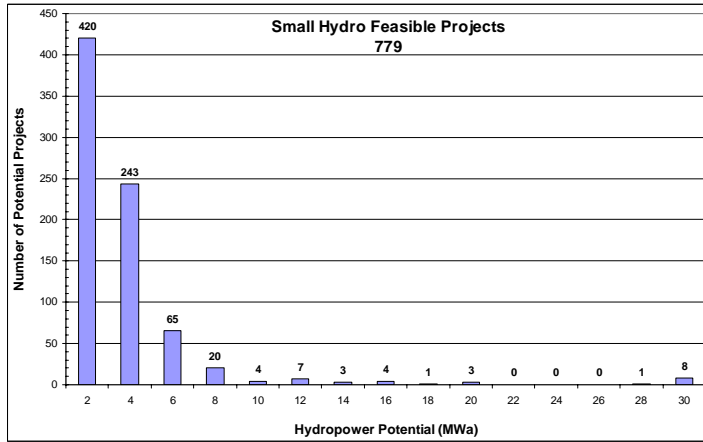


(a)

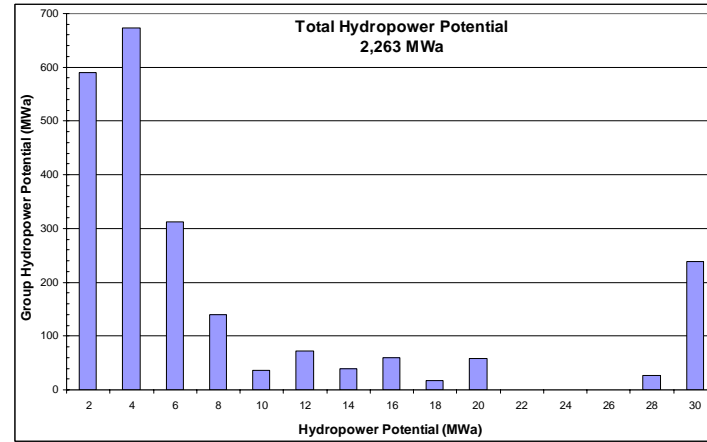


(b)

Figure B-233. Distributions of the (a) number and (b) group hydropower potential of low power feasible projects in Washington.



(a)



(b)

Figure B-234. Distributions of the (a) number and (b) group hydropower potential of small hydropower feasible projects in Washington.

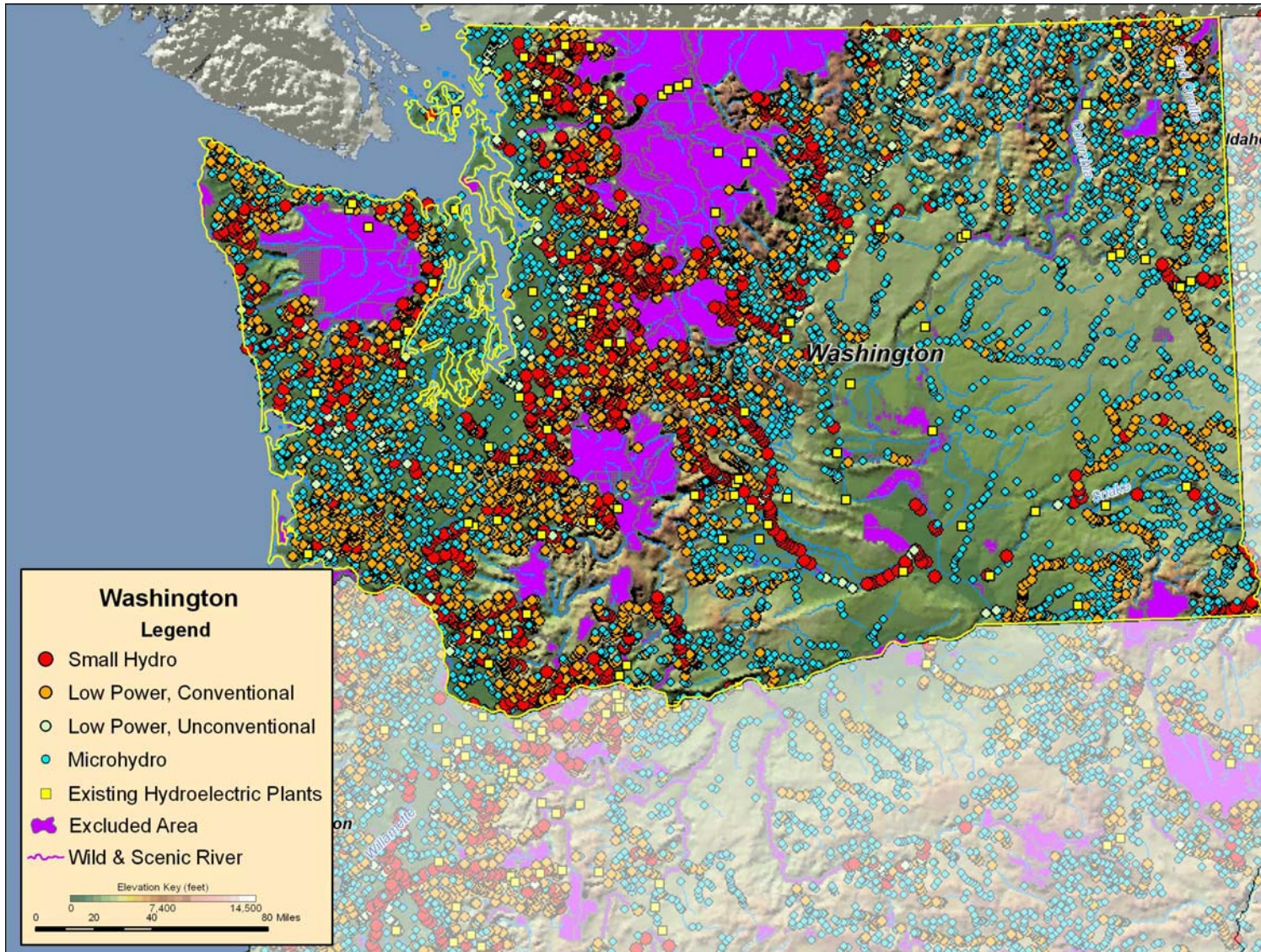
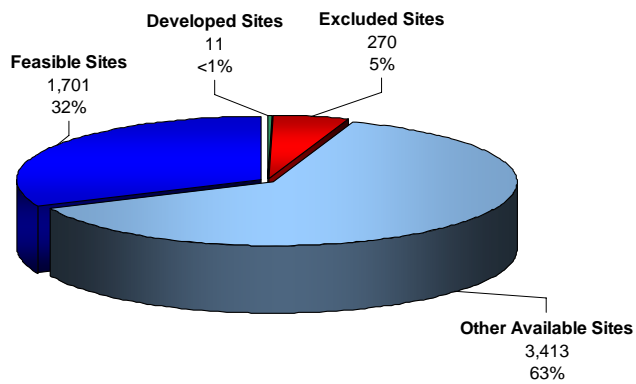


Figure B-235. Low power and small hydro feasible projects, and existing hydroelectric plants in Washington.

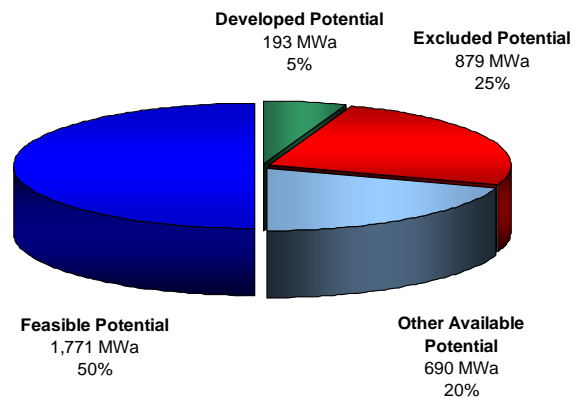
B.48 West Virginia

Table B-97. Summary of results of water energy resource assessment of West Virginia.

Power Class	Total (MWa)	Developed (MWa)	Federally Excluded (MWa)	Other Excluded (MWa)	Available (MWa)
Total Power	3,533	193	706	172	2,461
Total High Power	2,812	192	677	160	1,784
Large Hydro	605	129	52	101	324
Small Hydro	2,207	63	625	59	1,460
Total Low Power	721	2	30	12	677
Conventional Turbines	569	1	27	11	530
Unconventional Systems	34	1	0	0	33
Microhydro	118	0	2	1	114



(a) Total Resource Sites
5,395



(b) Total Resource Potential
3,533 MWa

Figure B-236. Power category distribution of the (a) number and (b) total power potential of the water energy resource sites in West Virginia.

Table B-98. Summary of results of feasibility assessment of water energy resources in West Virginia.

Power Class	Available (MWa)	Feasible Sites (MWa)	Feasible Projects (MWa)
Total Power	2,461	1,771	484
Total High Power	1,784	1,450	339
Large Hydro	324	287	0
Small Hydro	1,460	1,163	339
Total Low Power	677	321	146
Conventional Turbines	530	271	90
Unconventional Systems	33	23	17
Microhydro	114	28	39

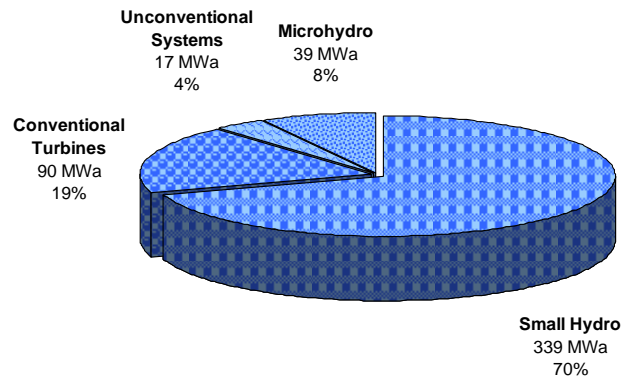
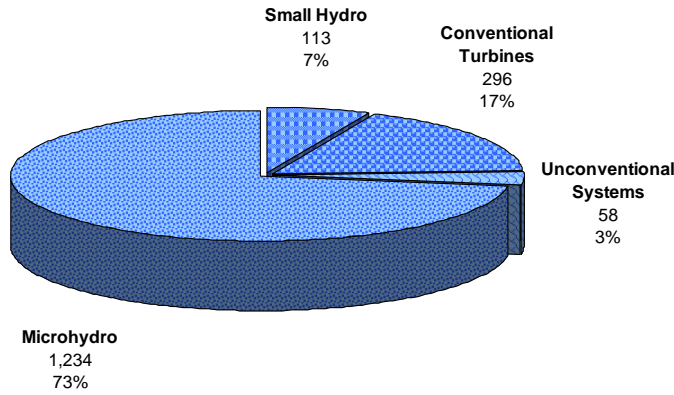
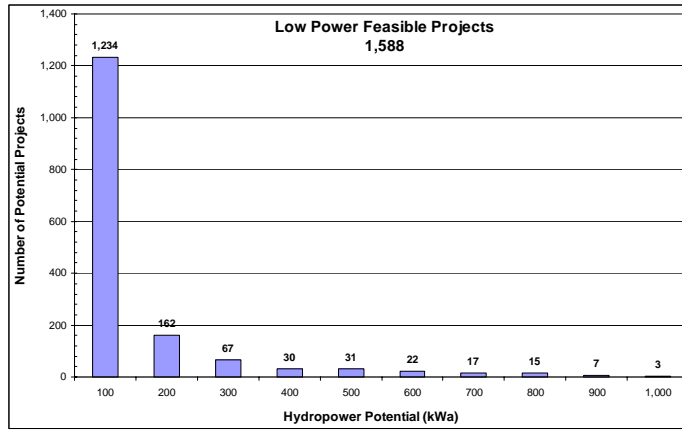
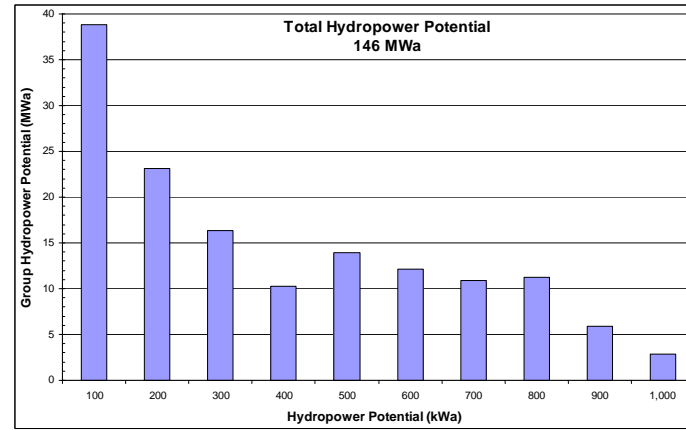


Figure B-237. Distribution of the (a) number and (b) total hydropower potential of the low power and small hydropower feasible projects in West Virginia with the low power projects divided into technology classes.

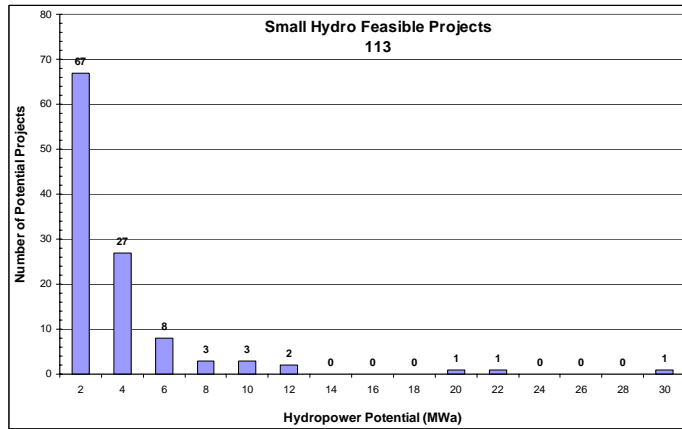


(a)

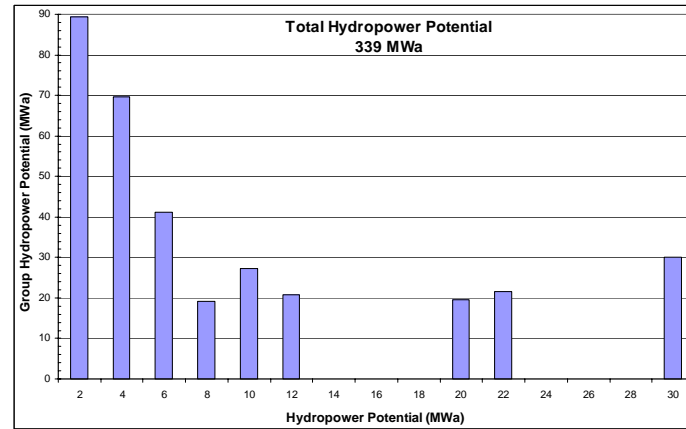


(b)

Figure B-238. Distributions of the (a) number and (b) group hydropower potential of low power feasible projects in West Virginia.

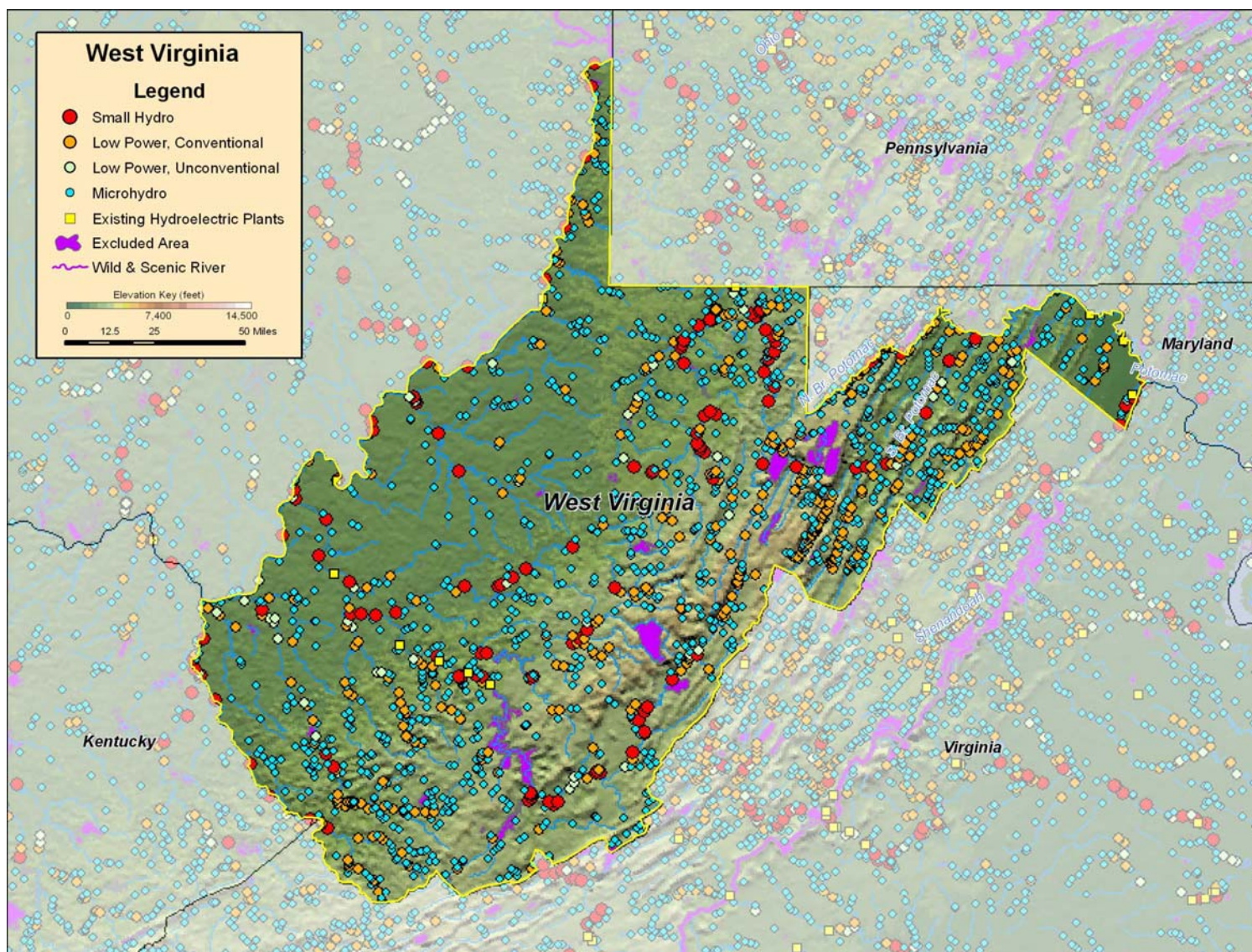


(a)



(b)

Figure B-239. Distributions of the (a) number and (b) group hydropower potential of small hydropower feasible projects in West Virginia.



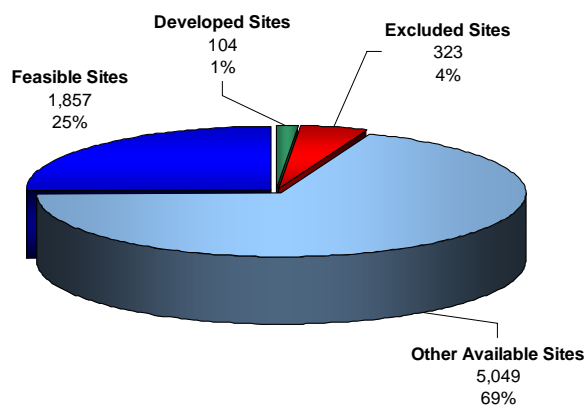
B-198

Figure B-240. Low power and small hydro feasible projects, and existing hydroelectric plants in West Virginia.

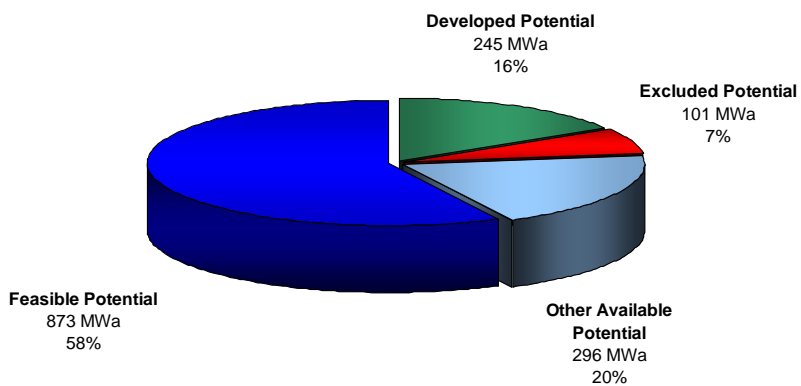
B.49 Wisconsin

Table B-99. Summary of results of water energy resource assessment of Wisconsin.

Power Class	Total (MWa)	Developed (MWa)	Federally Excluded (MWa)	Other Excluded (MWa)	Available (MWa)
Total Power	1,515	245	65	36	1,170
Total High Power	949	230	37	25	657
Large Hydro	33	0	0	0	33
Small Hydro	915	230	37	25	624
Total Low Power	567	14	28	11	513
Conventional Turbines	307	6	15	8	278
Unconventional Systems	77	7	9	1	60
Microhydro	182	1	4	3	175



(a) Total Resource Sites
7,333

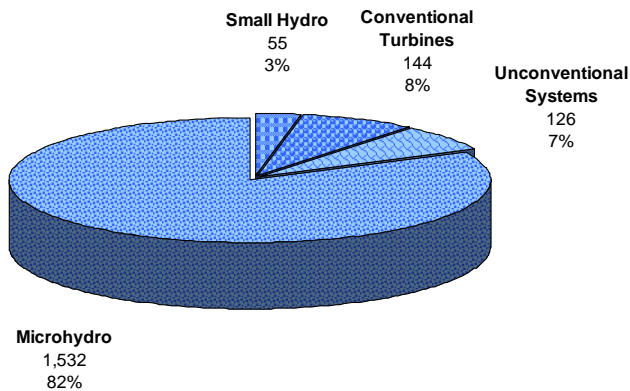


(b) Total Resource Potential
1,515 MWa

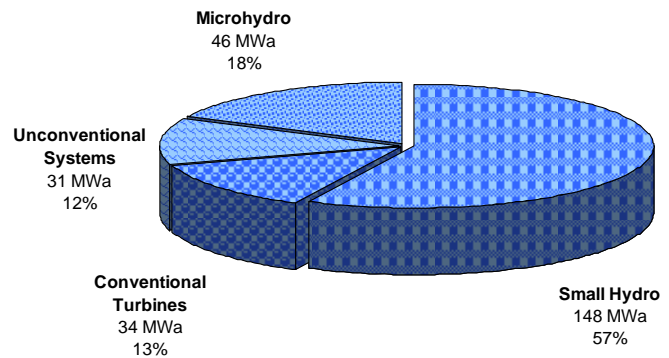
Figure B-241. Power category distribution of the (a) number and (b) total power potential of the water energy resource sites in Wisconsin.

Table B-100. Summary of results of feasibility assessment of water energy resources in Wisconsin.

Power Class	Available (MWa)	Feasible Sites (MWa)	Feasible Projects (MWa)
Total Power	1,170	873	259
Total High Power	657	575	148
Large Hydro	33	33	0
Small Hydro	624	542	148
Total Low Power	513	298	111
Conventional Turbines	278	200	34
Unconventional Systems	60	52	31
Microhydro	175	45	46

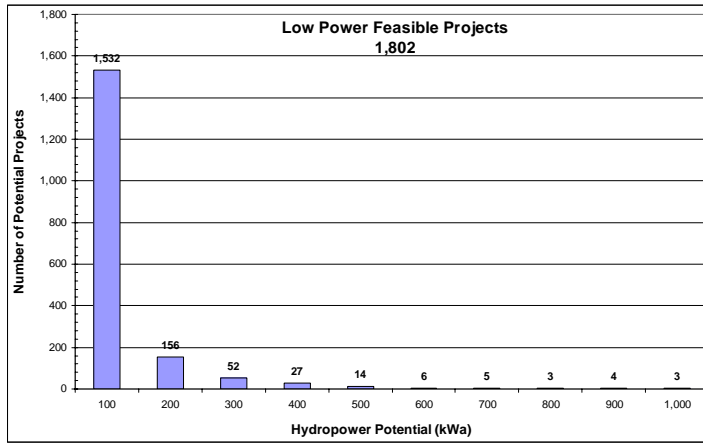


(a) Total Feasible Projects
1,857

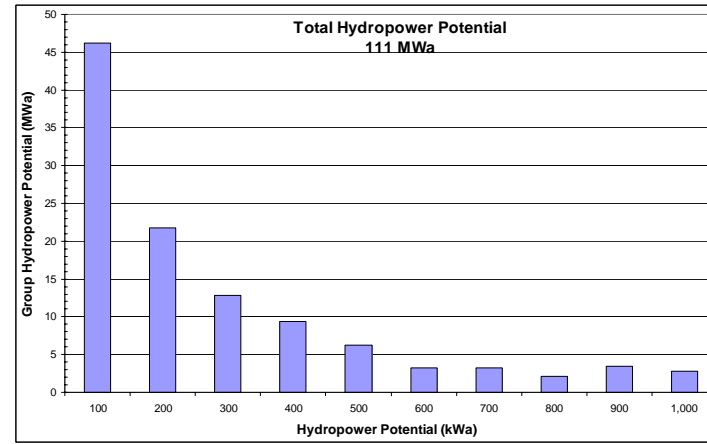


(b) Total Feasible Project Hydropower Potential
259 MWa

Figure B-242. Distribution of the (a) number and (b) total hydropower potential of the low power and small hydropower feasible projects in Wisconsin with the low power projects divided into technology classes.

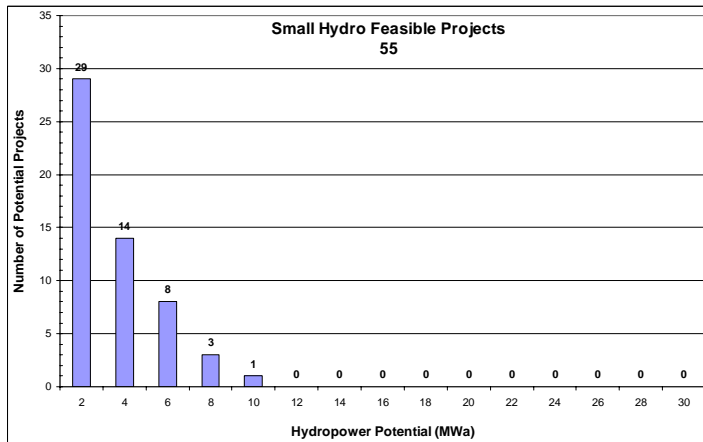


(a)

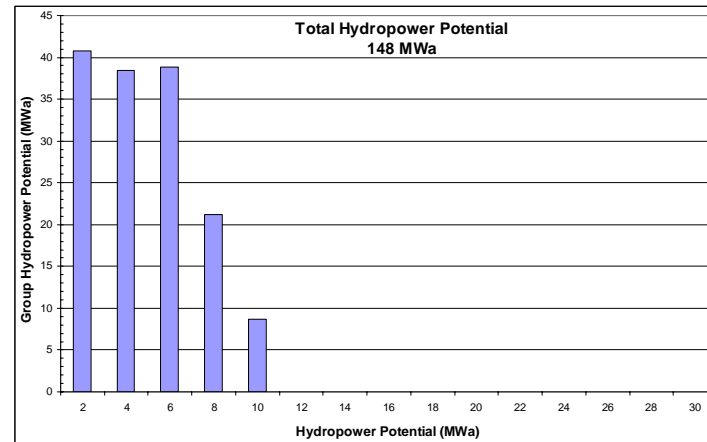


(b)

Figure B-243. Distributions of the (a) number and (b) group hydropower potential of low power feasible projects in Wisconsin.



(a)



(b)

Figure B-244. Distributions of the (a) number and (b) group hydropower potential of small hydropower feasible projects in Wisconsin.

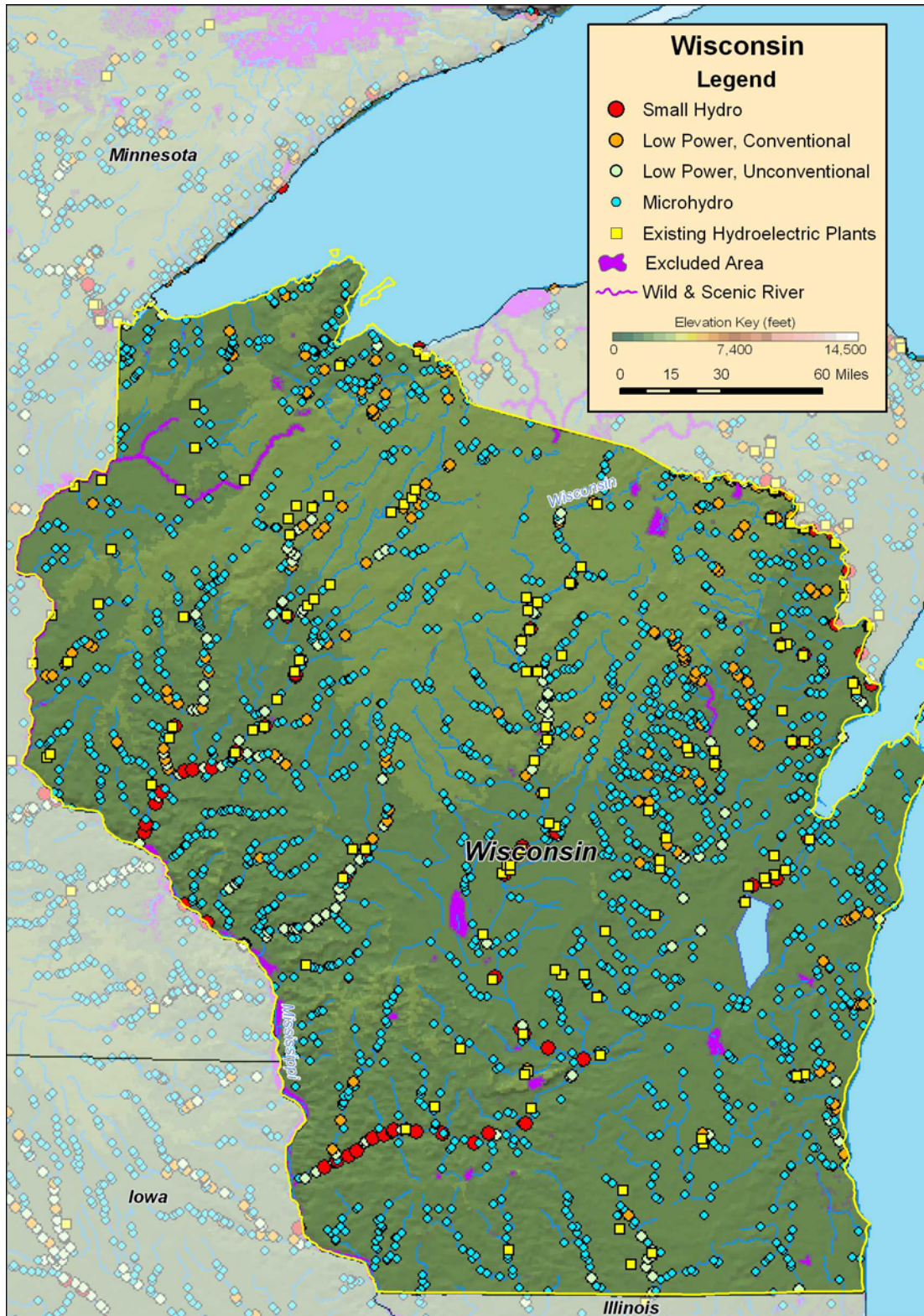


Figure B-245. Low power and small hydro feasible projects, and existing hydroelectric plants in Wisconsin.

B.50 Wyoming

Table B-101. Summary of results of water energy resource assessment of Wyoming.

Power Class	Total (MWa)	Developed (MWa)	Federally Excluded (MWa)	Other Excluded (MWa)	Available (MWa)
Total Power	5,999	59	2,573	173	3,195
Total High Power	4,208	58	2,058	135	1,957
Large Hydro	143	0	143	0	0
Small Hydro	4,065	58	1,916	135	1,957
Total Low Power	1,791	1	515	38	1,238
Conventional Turbines	1,518	1	485	32	1,001
Unconventional Systems	60	0	12	1	46
Microhydro	213	0	17	5	191

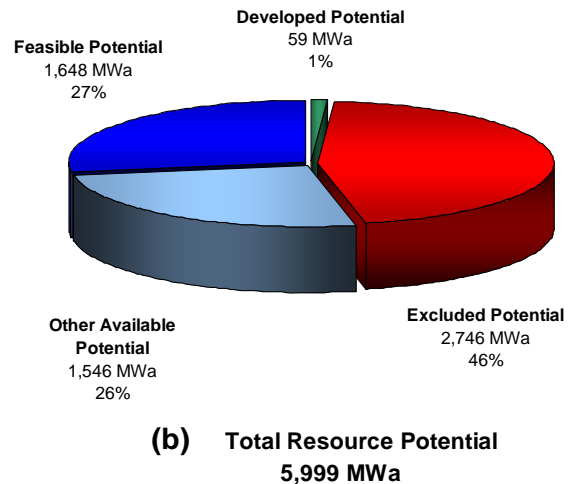
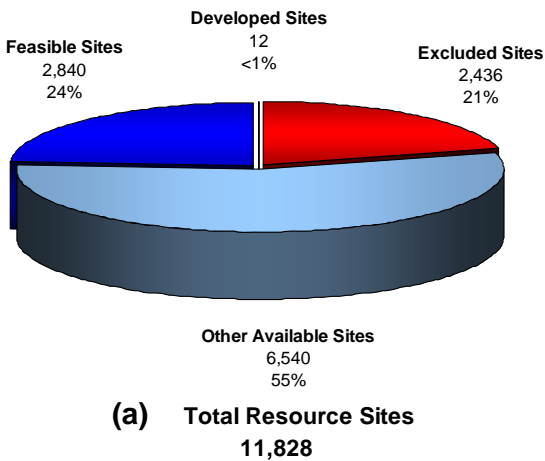


Figure B-246. Power category distribution of the (a) number and (b) total power potential of the water energy resource sites in Wyoming.

Table B-102. Summary of results of feasibility assessment of water energy resources in Wyoming.

Power Class	Available (MWa)	Feasible Sites (MWa)	Feasible Projects (MWa)
Total Power	3,195	1,648	507
Total High Power	1,957	1,102	160
Large Hydro	0	0	0
Small Hydro	1,957	1,102	160
Total Low Power	1,238	546	347
Conventional Turbines	1,001	454	256
Unconventional Systems	46	36	20
Microhydro	191	56	71

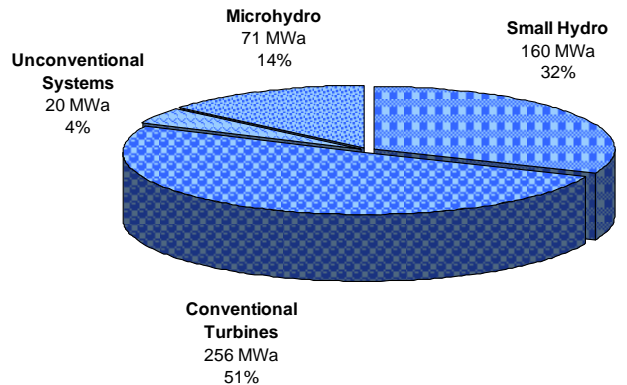
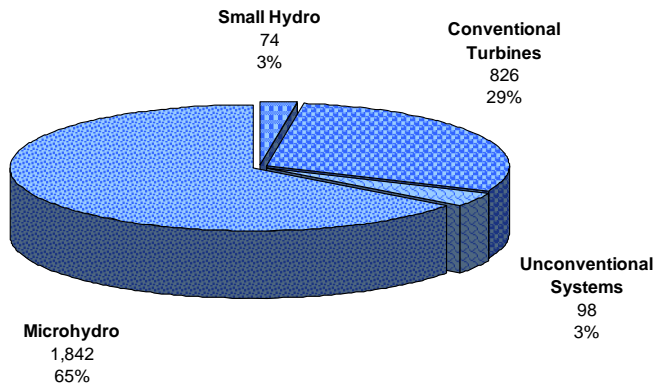
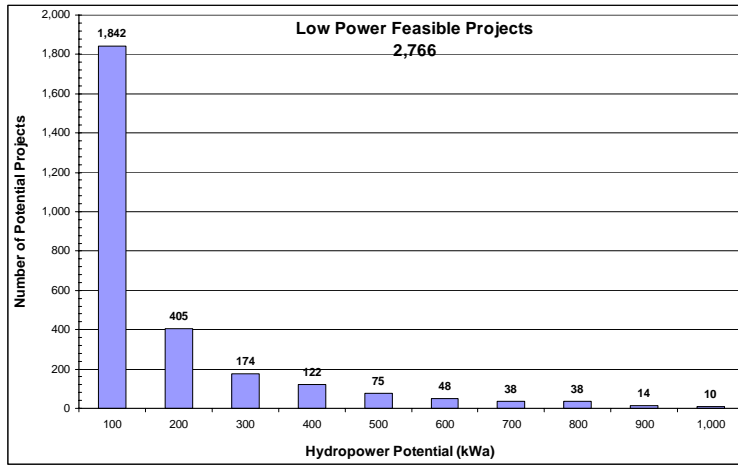
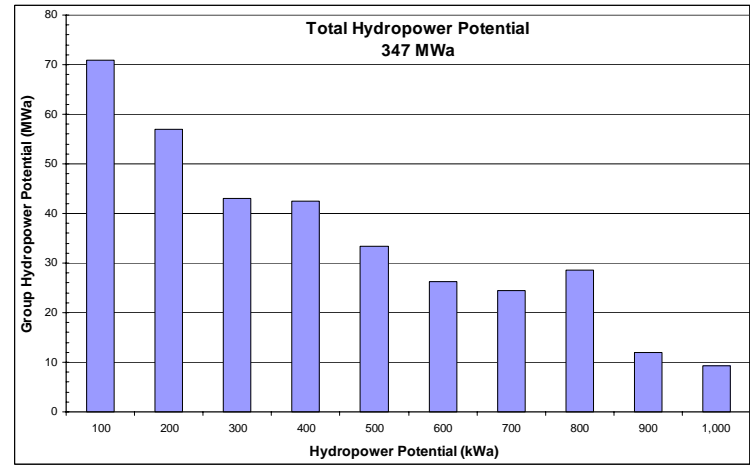


Figure B-247. Distribution of the (a) number and (b) total hydropower potential of the low power and small hydropower feasible projects in Wyoming with the low power projects divided into technology classes.

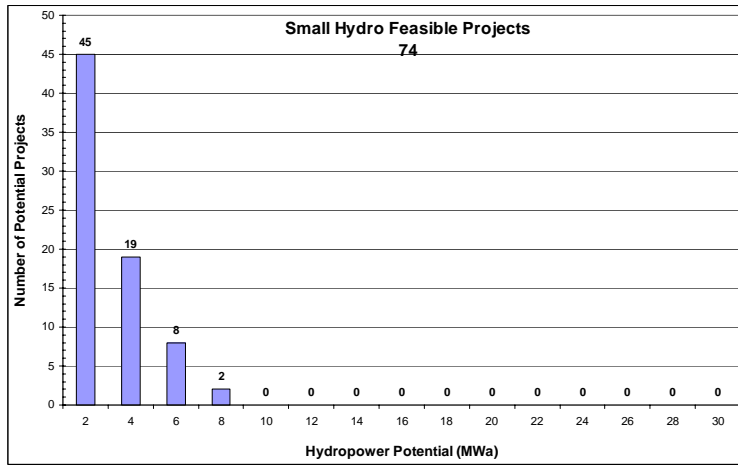


(a)

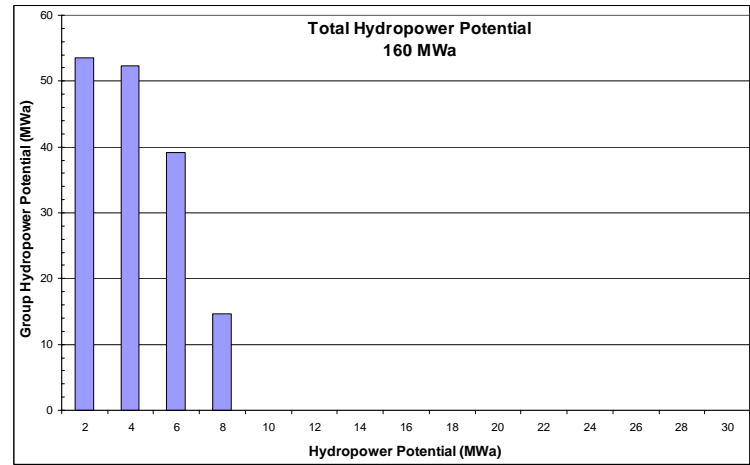


(b)

Figure B-248. Distributions of the (a) number and (b) group hydropower potential of low power feasible projects in Wyoming.

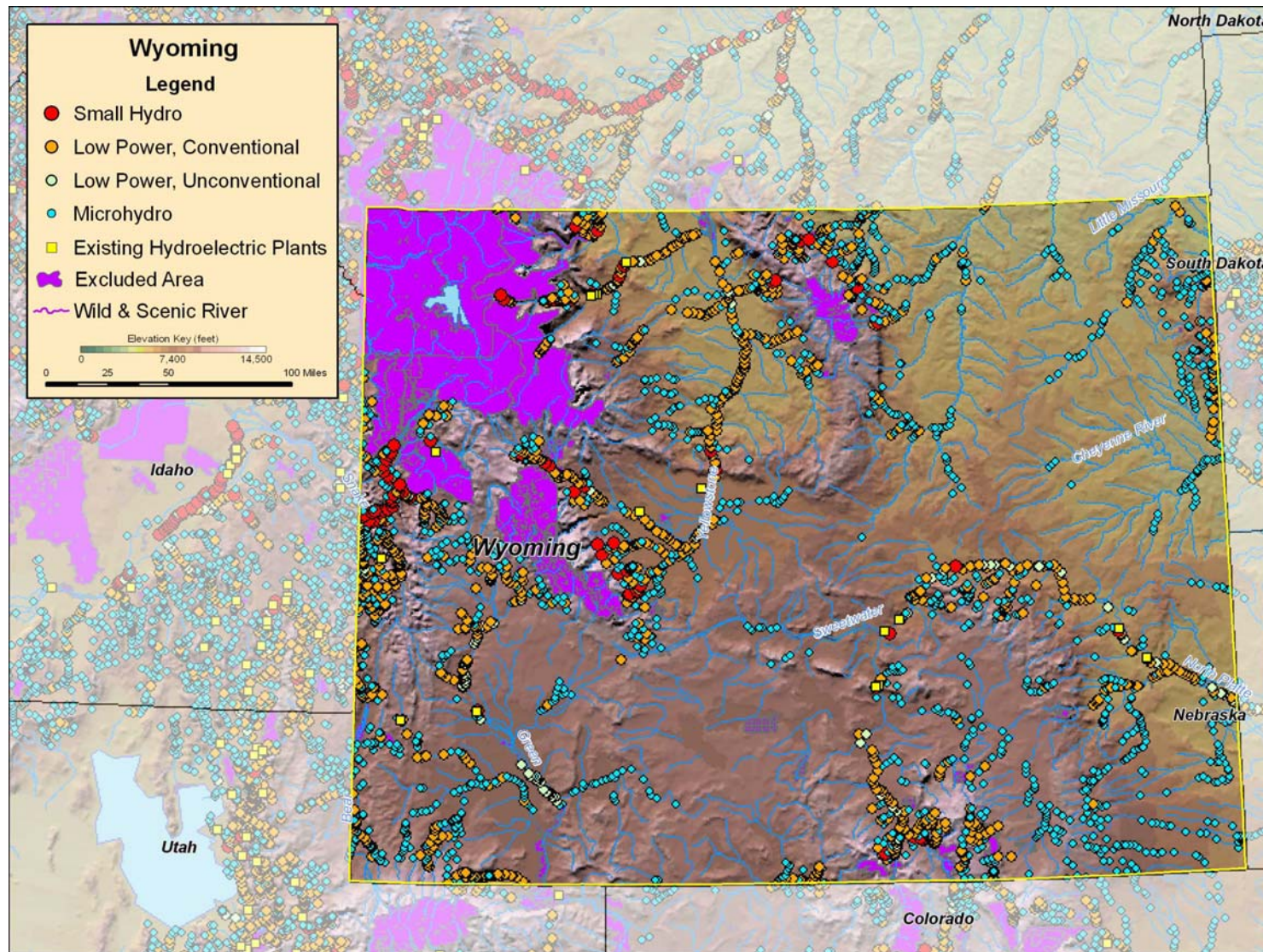


(a)



(b)

Figure B-249. Distributions of the (a) number and (b) group hydropower potential of small hydropower feasible projects in Wyoming.



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Figure B-250. Low power and small hydro feasible projects, and existing hydroelectric plants in Wyoming.