

# Appendix H—SCALED SCORE CUMULATIVE DENSITY FUNCTIONS



**Table H-1. 2007-08 NECAP Science: Scaled Score  
Cumulative Density Function, Grade 4**

<i>Scale Score</i>	<i>Percentage</i>	<i>Cumulative Percentage</i>	<i>Scale Score</i>	<i>Percentage</i>	<i>Cumulative Percentage</i>
400	0.3	0.3	441	3.9	58.4
401	0.0	0.3	442	3.8	62.2
402	0.2	0.5	443	3.9	66.1
403	0.0	0.5	444	3.6	69.7
404	0.0	0.5	445	3.6	73.3
405	0.3	0.7	446	3.5	76.7
406	0.0	0.7	447	3.4	80.1
407	0.3	1.0	448	0.0	80.1
408	0.0	1.0	449	3.1	83.2
409	0.0	1.0	450	3.0	86.2
410	0.3	1.3	451	2.6	88.8
411	0.0	1.3	452	0.0	88.8
412	0.5	1.8	453	2.4	91.3
413	0.6	2.3	454	2.0	93.3
414	0.0	2.3	455	0.0	93.3
415	0.5	2.9	456	1.7	95.0
416	0.0	2.9	457	1.4	96.4
417	0.6	3.5	458	0.0	96.4
418	0.8	4.4	459	1.1	97.5
419	0.0	4.4	460	0.0	97.5
420	0.9	5.2	461	0.9	98.4
421	1.1	6.4	462	0.0	98.4
422	1.3	7.7	463	0.0	98.4
423	1.4	9.1	464	0.6	99.1
424	0.0	9.1	465	0.0	99.1
425	1.7	10.8	466	0.4	99.5
426	3.6	14.3	467	0.0	99.5
427	0.0	14.3	468	0.0	99.5
428	2.1	16.4	469	0.2	99.7
429	2.3	18.7	470	0.0	99.7
430	2.4	21.1	471	0.0	99.7
431	2.7	23.8	472	0.2	99.9
432	2.8	26.6	473	0.0	99.9
433	2.9	29.6	474	0.0	99.9
434	3.2	32.8	475	0.0	99.9
435	3.2	36.0	476	0.1	99.9
436	3.5	39.5	477	0.0	99.9
437	3.8	43.3	478	0.0	99.9
438	3.4	46.7	479	0.1	100.0
439	7.7	54.5	480	0.0	100.0
440	0.0	54.5			

**Table H-2. 2007-08 NECAP Science: Scaled Score  
Cumulative Density Function, Grade 8**

<i>Scale Score</i>	<i>Percentage</i>	<i>Cumulative Percentage</i>	<i>Scale Score</i>	<i>Percentage</i>	<i>Cumulative Percentage</i>
800	0.7	0.7	841	3.0	82.2
801	0.0	0.7	842	2.8	84.9
802	0.0	0.7	843	2.5	87.4
803	0.0	0.7	844	4.1	91.5
804	0.2	0.9	845	1.7	93.2
805	0.0	0.9	846	1.5	94.7
806	0.0	0.9	847	1.2	95.9
807	0.3	1.2	848	0.0	95.9
808	0.0	1.2	849	1.0	96.9
809	0.0	1.2	850	0.9	97.8
810	0.5	1.7	851	0.7	98.5
811	0.0	1.7	852	0.5	98.9
812	0.6	2.3	853	0.0	98.9
813	0.0	2.3	854	0.6	99.6
814	0.8	3.1	855	0.0	99.6
815	1.0	4.0	856	0.0	99.6
816	0.0	4.0	857	0.2	99.7
817	1.1	5.2	858	0.0	99.7
818	1.3	6.4	859	0.1	99.8
819	1.5	8.0	860	0.0	99.8
820	0.0	8.0	861	0.1	99.9
821	1.8	9.7	862	0.0	99.9
822	1.9	11.6	863	0.1	100.0
823	2.1	13.7	864	0.0	100.0
824	2.1	15.8	865	0.0	100.0
825	2.3	18.1	866	0.0	100.0
826	5.2	23.2	867	0.0	100.0
827	2.7	25.9	868	0.0	100.0
828	2.9	28.8	869	0.0	100.0
829	3.0	31.8	870	0.0	100.0
830	3.1	35.0	871	0.0	100.0
831	6.7	41.7	872	0.0	100.0
832	3.4	45.1	873	0.0	100.0
833	3.5	48.6	874	0.0	100.0
834	3.4	52.0	875	0.0	100.0
835	7.2	59.2	876	0.0	100.0
836	3.6	62.9	877	0.0	100.0
837	3.5	66.4	878	0.0	100.0
838	6.7	73.1	879	0.0	100.0
839	3.3	76.4	880	0.0	100.0
840	2.9	79.2			

**Table H-3. 2007-08 NECAP Science: Scaled Score  
Cumulative Density Function, Grade 11**

<i>Scale Score</i>	<i>Percentage</i>	<i>Cumulative Percentage</i>	<i>Scale Score</i>	<i>Percentage</i>	<i>Cumulative Percentage</i>
1100	1.2	1.2	1141	2.6	84.1
1101	0.0	1.2	1142	2.2	86.3
1102	0.0	1.2	1143	3.9	90.2
1103	0.0	1.2	1144	1.7	91.9
1104	0.5	1.6	1145	1.6	93.5
1105	0.0	1.6	1146	1.3	94.8
1106	0.0	1.6	1147	1.1	95.9
1107	0.0	1.6	1148	1.0	96.9
1108	0.0	1.6	1149	0.8	97.6
1109	0.0	1.6	1150	0.6	98.3
1110	0.7	2.3	1151	0.5	98.8
1111	0.0	2.3	1152	0.4	99.1
1112	0.0	2.3	1153	0.3	99.4
1113	1.0	3.3	1154	0.0	99.4
1114	0.0	3.3	1155	0.2	99.7
1115	1.1	4.4	1156	0.2	99.8
1116	0.0	4.4	1157	0.0	99.8
1117	1.2	5.6	1158	0.1	99.9
1118	1.4	7.1	1159	0.0	99.9
1119	0.0	7.1	1160	0.0	100.0
1120	1.4	8.5	1161	0.0	100.0
1121	1.6	10.1	1162	0.0	100.0
1122	1.5	11.6	1163	0.0	100.0
1123	1.6	13.2	1164	0.0	100.0
1124	1.7	14.9	1165	0.0	100.0
1125	3.6	18.5	1166	0.0	100.0
1126	1.9	20.5	1167	0.0	100.0
1127	2.1	22.6	1168	0.0	100.0
1128	4.5	27.1	1169	0.0	100.0
1129	5.1	32.2	1170	0.0	100.0
1130	2.7	34.9	1171	0.0	100.0
1131	2.9	37.8	1172	0.0	100.0
1132	6.1	43.9	1173	0.0	100.0
1133	3.2	47.1	1174	0.0	100.0
1134	6.4	53.5	1175	0.0	100.0
1135	3.3	56.8	1176	0.0	100.0
1136	6.6	63.4	1177	0.0	100.0
1137	3.4	66.8	1178	0.0	100.0
1138	6.1	73.0	1179	0.0	100.0
1139	5.9	78.9	1180	0.0	100.0
1140	2.6	81.5			

