

(Consolidated up to 99/2012)

ALBERTA REGULATION 195/2002

Forests Act

SCALING REGULATION

Interpretation

1(1) In this Regulation,

(a) “authorization holder” means a person that has been issued a scale site authorization under section 12;

(b) “check scale” means a scale conducted by a forest officer or a person authorized by the Minister to check the accuracy of another scale;

(b.1) “Department” means the Department administered by the Minister;

(c) “form TM 32” means form TM 32 prescribed by the Timber Regulation;

(d) “form TM 35” means form TM 35 prescribed by the Timber Regulation;

(e) “form TM 44” means form TM 44 prescribed by the Timber Regulation;

(f) “mass scaling” means scaling conducted using the scaling method set out in section 3(1)(b);

(g) “payment period” means payment period as defined in the Timber Management Regulation;

(h) “scale” means to measure or estimate the volume of felled timber;

(i) “timber operation” means timber operation as defined in the Timber Management Regulation.

(2) This Regulation applies to scaling conducted to provide the Department with an accounting of harvested timber.

AR 195/2002 s1;41/2010

Scaling

2 A person who scales timber shall do so in accordance with the procedures established by the Minister.

Scaling methods

3(1) A person who scales timber shall determine the volume of the timber in cubic metres by using one of the following methods:

(a) by measuring the dimensions of each piece of timber and applying

(i) the Alberta Cubic Metre Scale, or the formula used to derive the Alberta Cubic Metre Scale, set out in

(A) Schedule 1 if the timber is coniferous, or

(B) Schedule 2 if the timber is deciduous,

or

(ii) the following formula, where authorized or directed by the Minister:

$$V = (A1 + A2) \times L$$

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where

“V” is the volume of the piece of timber;

“A1” is the area of the small end of the timber in square metres;

“A2” is the area of the large end of the timber in square metres;

“L” is the length of the timber in metres;

(b) by weighing the timber and applying

(i) a mass to volume ratio derived from scaling sample loads of timber in accordance with section 4, or

(ii) a fixed mass to volume ratio approved by the Minister;

(c) by applying any other method established by the Minister where authorized or directed by the Minister.

(2) A person who scales timber using the methods set out in subsection (1)(a) or (c) may make deductions from the gross scaled volume to account for defects contained in that timber, in accordance with the procedures established by the Minister.

Sample scaling

4(1) The authorization holder for a scale site at which timber is mass scaled shall ensure that loads of timber are selected for sample scaling in accordance with scaling sampling plans approved by the Minister and the scaling sampling procedures established by the Minister.

(2) If a load of timber is selected for sample scaling under subsection (1), the authorization holder

(a) shall, within 30 days after the load of timber was selected, ensure that a person holding a valid scaler's permit

(i) scales the timber using the scaling method set out in section 3(1)(a) or (c), and

(ii) records the information collected by that person in accordance with section 5(1)(a) or (c),

and

(b) shall ensure that a form TM 35 and a form TM 44 are completed in accordance with section 5(1)(b).

Recording information

5(1) A person scaling timber using the method set out in

(a) section 3(1)(a) shall record the information collected on form TM 32 in accordance with the procedures established by the Minister;

(b) section 3(1)(b) shall record the information collected on form TM 35 and form TM 44, in accordance with the procedures established by the Minister;

(c) section 3(1)(c) shall record the information collected in a manner and form satisfactory to the director.

(2) Notwithstanding subsection (1), information that must be recorded in a form under subsection (1) may be recorded in an electronic format approved by the Minister.

AR 195/2002 s5;41/2010

Submitting records to Minister

6(1) The authorization holder for a scale site shall ensure that the records referred to in section 5 are provided to the Minister within 21 days following

(a) the end of each month within which timber was scaled at that site, or

(b) the end of each payment period within which timber was scaled at that site if the timber dues for that timber will be calculated in accordance with Schedule 4 of the Timber Management Regulation.

(2) If a scale site receives an annual volume of more than 70 000 cubic metres of timber, as determined by the director, the authorization holder for that site shall ensure that the records provided to the director under subsection (1) are provided in an electronic format approved by the director.

AR 195/2002 s6;41/2010

Production of records

7 A person who scales timber shall produce the person's scaling records and notes to a forest officer on demand.

Check scaling

8(1) The authorization holder for a scale site at which timber is mass scaled shall ensure that the 4 most recently scaled sample loads of timber are retained at the site and made accessible for check scaling.

(2) Notwithstanding subsection (1), a forest officer may permit an authorization holder to retain fewer than 4 sample loads at the scale site.

(3) If directed to do so by a forest officer, the authorization holder for a scale site at which timber is not mass scaled shall ensure that scaled timber is retained as directed by the forest officer and made accessible for check scaling.

Permit and authorization required

9(1) No person may scale timber using the method set out in section 3(1)(a) or (c) unless

(a) that person holds a valid scaler's permit, and

(b) the timber is at a scale site for which a scale site authorization issued under section 12 is in effect.

(2) No person may scale timber using the method referred to in section 3(1)(b) unless

(a) the timber is at a scale site for which a scale site authorization issued under section 12 is in effect, and

(b) the weighing equipment at that site meets the standards established by the Minister.

Scaler's permit

10(1) The Minister may establish classes of scaler's permits and may specify the scope of authority that may be exercised by the holder of each class of permit.

(2) An application for a scaler's permit must be made in the form specified by the Minister and be accompanied by the required fee.

(3) The director may issue a scaler's permit to an applicant who has

(a) attained the age of 18 years,

(b) subject to subsection (4), completed an instruction course approved by the Minister,

(c) subject to subsection (4), completed an examination set by the Minister to a level satisfactory to the director, and

(d) met any other requirements established by the director.

(4) An applicant who satisfies the director that he or she holds a timber scaling certificate, or the equivalent, issued outside Alberta is not required to meet subsection (3)(b) and (c) if

(a) he or she has completed a scale that is check scaled, and

(b) the check scale confirms his or her proficiency in the scaling methods used in Alberta.

Term of permit

11(1) A scaler's permit expires on the date specified on the permit.

(2) Notwithstanding subsection (1), the director may cancel or suspend a scaler's permit

(a) if the holder of the permit contravenes the Act or the regulations under the Act, or

(b) if, in the director's opinion, it is in the public interest to cancel or suspend the permit.

AR 195/2002 s11;41/2010

Scale site authorization

12(1) The owner of a timber operation may apply in writing to the director for authorization to scale timber at a site under the owner's control.

(2) If the director is satisfied that a complete and accurate scale can be performed at the site, the director may issue a scale site authorization to the applicant and may attach conditions to the authorization.

(3) The director may cancel or suspend a scale site authorization

(a) if the authorization holder contravenes the Act or the regulations under the Act,

(b) if the authorization holder has failed to comply with a condition attached to the authorization, or

(c) if, in the director's opinion, it is in the public interest to cancel or suspend the authorization.

AR 195/2002 s12;41/2010

Repeal

13 The Scaling Regulation (AR 403/92) is repealed.

Expiry

14 For the purpose of ensuring that this Regulation is reviewed for ongoing relevancy and necessity, with the option that it may be repassed in its present or an amended form following a review, this Regulation expires on June 30, 2021.

AR 195/2002 s14;99/2012

Schedule 1

Alberta Cubic Metre Scale

(Coniferous)

m³ (1000x)

Top Diameter (cm) - Inside Bark

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8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46
48 50 52 54 56 58 60 62 64 66 68 70 72 74 76

3 5 7 10 13 16 19 23 28 33 38 43 49 56 62 70 77 85 94 103
112 122 132 143 154 165 177 190 203 216 230 244 259 275 290

5 7 10 13 17 21 26 31 37 44 51 58 66 75 84 94 104 115 126 138
151 164 178 193 208 224 240 257 275 293 312 332 353 374 396

6 9 12 17 21 27 33 40 47 55 64 73 83 94 106 118 131 145 159 175
191 208 226 244 263 284 305 327 349 373 398 423 450 477 505

7 11 15 20 26 33 40 48 57 67 77 89 101 114 128 143 159 175 193 212
232 252 274 297 320 345 371 398 426 456 486 517 550 584 619

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9 13 18 24 31 38 47 56 67 78 91 104 118 134 150 168 187 207 228 250
273 298 323 351 379 409 440 472 506 541 577 615 655 696 738

11 15 21 28 36 44 54 65 77 90 104 120 136 154 173 194 215 238 263
288 315 344 374 406 439 474 510 548 587 629 672 716 763 811
862

12 18 24 32 41 50 61 74 87 102 118 136 154 175 196 220 244 270 298
328 359 392 426 462 500 540 582 626 672 720 769 821 875 932
990

14 20 27 36 46 57 69 83 98 114 132 152 173 196 220 246 274 303 335
368 403 440 479 520 564 609 657 707 759 813 870 930 992 1056
1124

16 23 31 40 51 63 77 92 108 127 146 168 191 217 244 273 304 336 371
409 448 489 533 580 628 679 733 789 848 910 975 1042 1112 1186
1262

18 26 34 44 56 69 84 101 119 139 161 185 210 238 268 300 334 370
409 450 494 540 589 640 695 752 812 875 941 1010 1082 1158 1237
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1459 1556

23 31 42 53 67 83 100 120 141 165 190 219 249 282 317 355 396 440
486 536 589 644 704 766 832 902 975 1052 1134 1219 1308 1402 1501
1603 1711

25 34 45 58 73 89 108 129 152 178 205 236 269 304 343 384 428 476
526 580 637 698 763 831 904 980 1060 1145 1234 1328 1427 1530 1639
1753 1872

28 38 49 63 79 96 117 139 164 191 221 253 289 327 368 413 461 512
567 625 687 753 823 898 977 1060 1148 1241 1338 1441 1549 1663 1782
1907 2038

31 41 53 68 85 104 125 149 175 204 236 271 309 350 394 442 494 549
608 671 738 809 885 966 1051 1142 1237 1338 1445 1557 1675 1799 1930
2067 2210

33 44 58 73 91 111 133 159 187 218 252 289 329 373 421 472 527 586
650 717 790 867 949 1036 1128 1226 1330 1439 1555 1677 1805 1940 2082
2232 2389

Schedule 1 (Continued)

Alberta Cubic Metre Scale
(Coniferous)

m3 (1000x)

Top Diameter (cm) - Inside Bark

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| 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 | 46 |
| 48 | 50 | 52 | 54 | 56 | 58 | 60 | 62 | 64 | 66 | 68 | 70 | 72 | 74 | 76 | | | | | |

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36 48 62 78 97 118 142 169 199 232 268 307 350 397 448 502 561 624 692 765
842 925 1013 1107 1207 1312 1424 1542 1667 1799 1939 2086 2240 2403 2573

40 52 66 84 103 126 151 179 211 246 284 326 371 421 475 533 596 663 735 813
896 985 1079 1180 1287 1400 1521 1648 1783 1926 2077 2235 2403 2579 2764

43 56 71 89 110 133 160 190 223 260 300 344 393 445 502 564 631 702 780 862
951 1046 1147 1254 1369 1491 1620 1757 1902 2056 2218 2390 2571 2761 2962

46 60 76 95 116 141 169 201 235 274 317 363 414 470 530 596 666 742 824 912
1007 1108 1215 1330 1453 1583 1722 1869 2025 2190 2364 2549 2744 2949 3166

50 64 81 101 123 149 179 211 248 289 333 382 436 495 558 628 702 783 870 963
1064 1171 1286 1408 1539 1678 1826 1984 2150 2327 2515 2713 2922 3143 3376

54 68 86 106 130 157 188 222 261 303 350 402 458 520 587 660 739 824 916 1015
1121 1235 1357 1488 1627 1775 1933 2101 2279 2469 2669 2882 3106 3343 3594

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62 77 96 119 145 174 207 245 287 333 385 441 504 572 646 727 814 909 1011 1122
1241 1368 1505 1652 1809 1976 2155 2345 2548 2763 2991 3234 3490 3762 4049

66 82 102 125 152 183 217 256 300 349 402 462 527 598 676 761 853 952 1060 1176
1302 1437 1581 1736 1903 2080 2270 2472 2687 2916 3159 3418 3691 3981 4288

70 87 108 132 159 191 227 268 313 364 420 482 550 625 706 795 891 996 1110 1232
1364 1506 1659 1823 1999 2186 2387 2602 2830 3073 3332 3606 3898 4207 4534

75 92 114 138 167 200 238 280 327 380 438 503 574 652 737 830 931 1041 1160 1289
1428 1577 1738 1911 2097 2295 2508 2735 2977 3234 3509 3801 4110 4439 4787

80 98 120 145 175 209 248 292 341 396 457 524 598 679 768 865 971 1086 1211 1346
1492 1649 1819 2001 2197 2406 2631 2871 3127 3400 3691 4000 4329 4678 5048

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90 109 132 159 191 228 269 316 369 428 494 566 647 735 832 938 1053 1179 1316 1464
1625 1798 1985 2187 2404 2636 2886 3153 3438 3743 4069 4415 4784 5177 5593

95 115 139 167 200 237 280 329 384 445 513 588 672 763 864 975 1095 1227 1370 1525
1693 1875 2071 2282 2510 2755 3017 3299 3600 3922 4265 4631 5022 5437 5878

101 121 145 174 208 247 291 342 398 461 532 610 697 792 897 1012 1138 1275 1424 1586
1762 1952 2158 2380 2619 2876 3152 3448 3765 4104 4467 4853 5265 5704 6170

106 127 152 182 217 257 303 354 413 478 551 633 722 821 930 1050 1181 1324 1479 1649
1833 2032 2247 2480 2730 3000 3290 3601 3935 4292 4673 5081 5515 5978 6471

112 134 159 190 226 267 314 368 428 496 571 655 748 851 964 1088 1225 1373 1536 1712
1904 2112 2338 2581 2844 3126 3431 3757 4108 4483 4885 5314 5772 6260 6780

Schedule 2

Alberta Cubic Metre Scale

(Deciduous)

m³ (1000x)

Top Diameter (cm) - Inside Bark

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| 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 | 46 |
| 48 | 50 | 52 | 54 | 56 | 58 | 60 | 62 | 64 | 66 | 68 | 70 | 72 | 74 | 76 | | | | | |

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| 3 | 5 | 7 | 10 | 12 | 16 | 19 | 23 | 28 | 32 | 38 | 43 | 49 | 56 | 63 | 70 | 78 | 86 | 94 | 103 |
| 113 | 123 | 133 | 144 | 155 | 167 | 179 | 192 | 205 | 219 | 233 | 248 | 263 | 279 | 295 | | | | | |

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| 5 | 7 | 10 | 13 | 17 | 21 | 26 | 31 | 37 | 44 | 51 | 58 | 66 | 75 | 84 | 94 | 104 | 115 | 127 | 139 |
| 152 | 166 | 180 | 195 | 210 | 226 | 243 | 261 | 279 | 298 | 318 | 338 | 359 | 381 | 404 | | | | | |

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| 6 | 9 | 12 | 16 | 21 | 27 | 33 | 39 | 47 | 55 | 64 | 73 | 83 | 94 | 106 | 118 | 132 | 146 | 161 | 176 |
| 193 | 210 | 228 | 247 | 267 | 288 | 310 | 332 | 356 | 381 | 406 | 433 | 460 | 489 | 519 | | | | | |

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| 7 | 11 | 15 | 20 | 26 | 32 | 40 | 48 | 57 | 66 | 77 | 88 | 101 | 114 | 128 | 143 | 159 | 177 | 195 | 214 |
| 234 | 255 | 278 | 301 | 326 | 352 | 378 | 407 | 436 | 467 | 498 | 532 | 566 | 602 | 639 | | | | | |

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276 302 329 357 386 417 450 484 519 556 595 635 677 720 766

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320 350 381 414 449 485 523 563 605 649 695 743 792 844 898

12 18 24 31 40 50 61 73 86 101 118 135 154 175 197 221 246 273 302 332
364 399 435 473 513 555 599 646 695 746 799 855 913 974 1038

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410 449 490 533 579 627 678 731 788 846 908 972 1040 1110 1184

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504 553 605 660 718 779 844 912 983 1059 1138 1221 1309 1400 1496

20 28 37 48 60 74 90 108 128 150 174 201 229 260 294 330 369 410 455 502
553 607 665 725 790 858 930 1006 1087 1171 1260 1354 1452 1555 1663

22 31 41 52 66 81 98 118 139 163 189 217 248 282 319 358 401 446 495 547
603 663 726 793 864 940 1020 1104 1194 1288 1387 1491 1601 1716 1837

25 34 44 57 71 88 106 127 150 176 204 234 268 305 344 387 433 483 536 593
654 719 789 863 941 1024 1112 1206 1304 1408 1518 1634 1756 1885 2019

27 37 48 61 77 94 114 136 161 188 219 252 288 327 370 416 466 520 578 640
707 778 853 934 1020 1111 1208 1310 1419 1534 1655 1783 1918 2060 2209

30 40 52 66 82 101 122 146 172 202 234 269 308 350 396 446 500 558 621 688
760 837 919 1007 1101 1200 1306 1418 1537 1663 1796 1937 2085 2242 2407

33 43 56 71 88 108 130 155 184 215 249 287 329 374 423 477 534 597 664 737
815 898 987 1082 1184 1292 1407 1530 1659 1797 1943 2097 2260 2432 2613

36 47 60 76 94 115 139 165 195 228 265 305 349 398 450 507 569 636 709 787
870 960 1057 1160 1270 1387 1512 1645 1786 1936 2095 2263 2441 2629 2828

Schedule 2 (Continued)

Alberta Cubic Metre Scale

(Deciduous)

m³ (1000x)

Top Diameter (cm) - Inside Bark

Lgth

8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46
48 50 52 54 56 58 60 62 64 66 68 70 72 74 76

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677 754 838 928 1024 1128 1239 1357 1484 1619 1763 1916 2079 2252 2435
2629 2834 3051

42 54 69 86 106 129 156 185 218 255 296 342 391 446 506 570 641
717 800 890 986 1089 1201 1320 1448 1584 1730 1886 2051 2227 2414 2613
2824 3047 3283

45 58 73 91 113 137 164 195 230 269 313 360 413 471 534 603 678
759 847 943 1045 1156 1275 1403 1540 1687 1844 2012 2190 2380 2583 2797
3026 3267 3523

48 62 78 97 119 144 173 206 242 283 329 379 435 496 563 635 715
801 895 997 1106 1225 1352 1489 1636 1793 1961 2141 2334 2538 2756 2988
3235 3496 3773

52 66 83 102 125 152 182 216 255 298 345 398 457 521 592 669
753 845 944 1052 1168 1294 1430 1576 1733 1902 2082 2275 2481 2702 2936
3186 3451 3734 4033

56 70 88 108 132 160 191 227 267 312 362 418 479 547 621 703
791 888 994 1108 1232 1366 1510 1666 1833 2013 2206 2413 2634 2870 3122
3390 3676 3979 4302

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64 79 98 120 146 176 210 248 292 341 396 457 525 599 681 772
870 978 1096 1224 1363 1513 1676 1852 2042 2246 2465 2700 2953 3222 3511
3819 4147 4497 4869

68 84 103 126 153 184 219 259 305 356 414 477 548 626 712 807
911 1025 1149 1284 1430 1590 1762 1948 2150 2366 2600 2850 3119 3407 3715
4044 4395 4770 5168

72 89 108 132 160 192 229 271 318 371 431 498 571 653 744 843
952 1071 1202 1344 1499 1667 1850 2047 2260 2490 2738 3004 3290 3597 3925
4276 4651 5051 5478

77 94 114 138 167 200 238 282 331 387 449 518 595 681 775 879
994 1119 1257 1406 1570 1747 1940 2148 2374 2618 2880 3163 3467 3793 4142
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1641 1828 2031 2252 2490 2748 3026 3326 3648 3994 4365 4763 5188 5643 6128

87 104 126 152 182 217 258 305 358 418 485 560 644 737 840 954 1079 1217 1368 1534
1714 1911 2125 2357 2609 2881 3176 3493 3834 4201 4595 5018 5470 5953 6470

92 110 132 158 190 226 268 317 372 434 503 581 669 765 873 992 1123 1267 1426 1599
1789 1996 2221 2466 2731 3018 3329 3664 4026 4414 4832 5280 5760 6273 6822

97 115 138 165 198 235 279 329 385 449 522 603 694 794 907 1031 1168 1318 1484 1666
1865 2082 2319 2576 2856 3159 3487 3841 4222 4633 5075 5550 6059 6604 7186

103 121 144 172 205 244 289 341 399 466 541 625 719 824 940 1070 1213 1370 1544 1734
1943 2170 2419 2690 2984 3303 3648 4021 4424 4859 5326 5828 6367 6944 7562

108 127 151 179 214 253 300 353 413 482 560 647 744 854 975 1110 1259 1423 1604 1803
2022 2260 2521 2805 3114 3450 3813 4207 4632 5090 5584 6115 6684 7295 7949