

Supplementary file S1

Kalliola R., Saarinen T., Tanski N. (2021). Seasonal variations of foliar element distributions of silver birch in different habitats. *Silva Fennica* vol. 55 no. 1 article id 10444. <https://doi.org/10.14214/sf.10444>.

Original element contents data in the foliar samples of silver birch in different months, habitats and leaf areas. "Counts" indicate the numbers of pixels in each measurement. Element contents are in units of counts per second per electronvolt (cps/eV) by the M4 Tornado micro-XRF spectrometer.

| TREE | MONTH | SITE | SAMPLING | Counts | Mg | Al | Si | P | S | K | Ca | Mn | Fe | Zn |
|------|-----------|----------|----------|--------|-------|-------|-------|--------|--------|---------|----------|--------|--------|---------|
| 1 | MAY | ROCKHILL | APEX | 7402 | 28,80 | 4,56 | 18,10 | 409,89 | 735,55 | 4603,91 | 5264,90 | 399,92 | 191,96 | 627,63 |
| 1 | MAY | ROCKHILL | BASE | 11967 | 30,50 | 6,79 | 9,50 | 450,52 | 703,27 | 4569,98 | 4478,15 | 209,15 | 168,00 | 605,54 |
| 1 | MAY | ROCKHILL | MIDRIB | 6479 | 26,15 | 0,00 | 10,11 | 443,49 | 669,45 | 4857,45 | 4864,26 | 154,11 | 149,16 | 724,50 |
| 1 | JUNE | ROCKHILL | APEX | 12366 | 25,93 | 9,23 | 7,33 | 163,65 | 335,63 | 2733,15 | 5440,21 | 531,91 | 152,57 | 624,39 |
| 1 | JUNE | ROCKHILL | BASE | 16898 | 34,13 | 7,84 | 5,29 | 147,98 | 252,02 | 2315,27 | 6123,82 | 345,31 | 103,52 | 565,89 |
| 1 | JUNE | ROCKHILL | MIDRIB | 6896 | 34,11 | 10,52 | 26,99 | 138,15 | 165,82 | 2897,84 | 6876,32 | 293,01 | 148,75 | 830,82 |
| 1 | JULY | ROCKHILL | APEX | 10372 | 20,15 | 0,00 | 0,00 | 234,63 | 492,98 | 3876,05 | 3446,86 | 198,07 | 220,99 | 554,89 |
| 1 | JULY | ROCKHILL | BASE | 25243 | 18,83 | 1,40 | 11,21 | 305,78 | 566,54 | 3776,07 | 3283,02 | 178,54 | 229,55 | 421,46 |
| 1 | JULY | ROCKHILL | MIDRIB | 10380 | 24,08 | 7,29 | 18,23 | 297,42 | 518,89 | 5296,41 | 3699,32 | 187,24 | 233,07 | 884,66 |
| 1 | AUGUST | ROCKHILL | APEX | 13855 | 37,89 | 7,26 | 13,91 | 211,01 | 418,44 | 3073,66 | 6943,71 | 559,56 | 329,65 | 736,15 |
| 1 | AUGUST | ROCKHILL | BASE | 19600 | 43,34 | 7,23 | 6,32 | 222,38 | 409,32 | 3201,81 | 7933,49 | 472,48 | 295,51 | 878,72 |
| 1 | AUGUST | ROCKHILL | MIDRIB | 5679 | 27,55 | 10,41 | 43,12 | 172,48 | 299,43 | 2699,78 | 7656,12 | 428,59 | 329,98 | 1679,26 |
| 1 | SEPTEMBER | ROCKHILL | APEX | 14774 | 24,97 | 13,30 | 17,48 | 391,27 | 582,72 | 3861,44 | 5389,28 | 451,10 | 311,57 | 638,38 |
| 1 | SEPTEMBER | ROCKHILL | BASE | 24750 | 27,05 | 8,00 | 15,13 | 407,45 | 594,62 | 3794,86 | 5331,18 | 389,71 | 249,17 | 695,98 |
| 1 | SEPTEMBER | ROCKHILL | MIDRIB | 6815 | 20,34 | 14,02 | 90,82 | 351,83 | 434,03 | 3217,12 | 6521,83 | 502,54 | 365,04 | 1702,86 |
| 1 | OCTOBER | ROCKHILL | APEX | 10364 | 41,44 | 10,07 | 35,01 | 70,04 | 306,39 | 919,60 | 9431,90 | 598,52 | 291,71 | 955,16 |
| 1 | OCTOBER | ROCKHILL | BASE | 15576 | 34,74 | 10,71 | 16,12 | 53,92 | 208,34 | 454,69 | 8938,16 | 411,99 | 172,80 | 791,08 |
| 1 | OCTOBER | ROCKHILL | MIDRIB | 8065 | 40,53 | 14,01 | 37,30 | 65,22 | 224,97 | 540,35 | 10659,70 | 518,77 | 184,98 | 1282,34 |
| 2 | MAY | ROCKHILL | APEX | 21112 | 40,72 | 7,19 | 6,91 | 501,77 | 668,81 | 3225,18 | 4284,48 | 342,31 | 74,67 | 324,43 |
| 2 | MAY | ROCKHILL | BASE | 35429 | 39,72 | 8,97 | 11,69 | 474,51 | 630,44 | 3492,05 | 4247,46 | 276,07 | 93,39 | 408,93 |

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|---|-----------|----------|--------|-------|-------|-------|-------|--------|--------|---------|----------|---------|--------|---------|
| 2 | MAY | ROCKHILL | MIDRIB | 7755 | 45,10 | 6,44 | 9,95 | 416,09 | 495,36 | 4481,34 | 4551,30 | 191,85 | 114,56 | 654,71 |
| 2 | JUNE | ROCKHILL | APEX | 27498 | 35,40 | 6,43 | 0,00 | 161,83 | 338,26 | 2232,48 | 3151,65 | 278,89 | 59,24 | 188,24 |
| 2 | JUNE | ROCKHILL | BASE | 53054 | 31,72 | 7,53 | 7,04 | 185,59 | 338,30 | 2333,66 | 3945,47 | 228,02 | 66,08 | 259,14 |
| 2 | JUNE | ROCKHILL | MIDRIB | 10016 | 20,38 | 0,00 | 5,77 | 177,48 | 245,19 | 2330,15 | 5891,86 | 219,23 | 76,24 | 655,98 |
| 2 | JULY | ROCKHILL | APEX | 18244 | 42,50 | 11,40 | 23,03 | 173,61 | 420,28 | 3289,92 | 8121,33 | 736,67 | 131,56 | 367,90 |
| 2 | JULY | ROCKHILL | BASE | 41033 | 31,33 | 9,75 | 9,40 | 158,87 | 381,01 | 2407,88 | 6876,47 | 295,84 | 77,46 | 348,74 |
| 2 | JULY | ROCKHILL | MIDRIB | 8579 | 23,95 | 7,21 | 11,32 | 105,33 | 283,10 | 1851,49 | 9172,77 | 272,98 | 80,95 | 874,99 |
| 2 | AUGUST | ROCKHILL | APEX | 32531 | 34,49 | 10,77 | 22,36 | 166,40 | 394,56 | 1986,57 | 5637,66 | 465,79 | 89,47 | 225,04 |
| 2 | AUGUST | ROCKHILL | BASE | 53914 | 35,08 | 13,75 | 22,17 | 169,64 | 392,26 | 1890,12 | 6831,10 | 340,69 | 97,12 | 339,69 |
| 2 | AUGUST | ROCKHILL | MIDRIB | 12196 | 31,64 | 13,05 | 24,86 | 118,15 | 293,52 | 1682,00 | 9388,94 | 327,74 | 0,00 | 884,77 |
| 2 | SEPTEMBER | ROCKHILL | APEX | 39365 | 32,43 | 12,13 | 26,73 | 189,35 | 356,41 | 2056,37 | 5756,90 | 485,52 | 92,54 | 198,35 |
| 2 | SEPTEMBER | ROCKHILL | BASE | 59700 | 29,13 | 11,81 | 18,37 | 183,85 | 354,88 | 2069,51 | 6639,39 | 372,50 | 83,44 | 287,11 |
| 2 | SEPTEMBER | ROCKHILL | MIDRIB | 10329 | 29,05 | 9,50 | 26,72 | 125,07 | 245,55 | 1805,63 | 9446,68 | 412,43 | 0,00 | 878,72 |
| 2 | OCTOBER | ROCKHILL | APEX | 33002 | 34,86 | 11,52 | 20,48 | 95,57 | 209,22 | 1240,87 | 6219,77 | 524,32 | 72,05 | 215,56 |
| 2 | OCTOBER | ROCKHILL | BASE | 55865 | 38,83 | 10,36 | 21,90 | 115,33 | 239,87 | 1162,29 | 8148,77 | 456,56 | 93,59 | 391,16 |
| 2 | OCTOBER | ROCKHILL | MIDRIB | 10139 | 44,68 | 8,60 | 18,44 | 74,32 | 104,58 | 1049,00 | 11406,29 | 374,86 | 87,98 | 1102,01 |
| 3 | MAY | ROCKHILL | APEX | 13852 | 41,32 | 7,20 | 2,31 | 405,39 | 587,71 | 4034,29 | 3043,51 | 143,57 | 53,07 | 341,89 |
| 3 | MAY | ROCKHILL | BASE | 24102 | 47,36 | 4,32 | 2,28 | 435,65 | 596,14 | 3873,72 | 2791,11 | 90,15 | 58,63 | 339,68 |
| 3 | MAY | ROCKHILL | MIDRIB | 6808 | 29,61 | 2,52 | 2,60 | 436,52 | 503,10 | 5901,33 | 3085,94 | 87,10 | 66,30 | 559,92 |
| 3 | JUNE | ROCKHILL | APEX | 18228 | 30,62 | 8,00 | 12,63 | 130,03 | 299,88 | 2032,87 | 3278,70 | 185,58 | 65,44 | 262,77 |
| 3 | JUNE | ROCKHILL | BASE | 28874 | 30,80 | 9,07 | 15,58 | 133,94 | 295,88 | 2019,70 | 3839,24 | 128,49 | 67,65 | 302,79 |
| 3 | JUNE | ROCKHILL | MIDRIB | 7788 | 19,03 | 9,64 | 13,67 | 126,46 | 244,03 | 2914,39 | 4697,39 | 146,58 | 74,36 | 616,23 |
| 3 | JULY | ROCKHILL | APEX | 13040 | 42,69 | 6,26 | 0,00 | 138,57 | 434,12 | 3866,74 | 5874,28 | 735,26 | 66,91 | 829,38 |
| 3 | JULY | ROCKHILL | BASE | 30833 | 36,96 | 8,86 | 3,00 | 140,10 | 418,63 | 3173,64 | 5598,38 | 459,39 | 73,74 | 768,33 |
| 3 | JULY | ROCKHILL | MIDRIB | 12877 | 26,73 | 8,06 | 5,44 | 131,91 | 327,25 | 3597,65 | 6738,45 | 331,64 | 80,91 | 1038,24 |
| 3 | AUGUST | ROCKHILL | APEX | 15965 | 31,03 | 4,95 | 2,55 | 117,35 | 321,10 | 3225,35 | 7734,70 | 1077,42 | 68,37 | 1165,45 |
| 3 | AUGUST | ROCKHILL | BASE | 26929 | 35,29 | 7,86 | 5,97 | 103,22 | 284,58 | 2959,53 | 7179,89 | 481,53 | 72,68 | 1112,12 |
| 3 | AUGUST | ROCKHILL | MIDRIB | 10148 | 33,63 | 10,35 | 14,03 | 95,66 | 238,42 | 2771,72 | 7295,40 | 344,76 | 97,12 | 1334,38 |
| 3 | SEPTEMBER | ROCKHILL | APEX | 13000 | 51,66 | 9,22 | 3,35 | 97,52 | 348,06 | 1721,45 | 9811,32 | 931,74 | 85,86 | 1171,68 |
| 3 | SEPTEMBER | ROCKHILL | BASE | 33841 | 46,48 | 8,74 | 7,20 | 101,46 | 286,23 | 1856,95 | 9341,23 | 437,01 | 87,35 | 1000,30 |
| 3 | SEPTEMBER | ROCKHILL | MIDRIB | 9903 | 38,57 | 10,37 | 11,50 | 94,28 | 219,88 | 1797,67 | 10034,86 | 376,51 | 111,34 | 1127,71 |
| 3 | OCTOBER | ROCKHILL | APEX | 18741 | 52,67 | 7,18 | 8,66 | 28,03 | 213,70 | 92,29 | 11903,08 | 699,00 | 74,95 | 1279,69 |
| 3 | OCTOBER | ROCKHILL | BASE | 29016 | 46,98 | 8,32 | 10,16 | 27,53 | 161,99 | 135,26 | 10880,65 | 393,11 | 66,38 | 1016,13 |
| 3 | OCTOBER | ROCKHILL | MIDRIB | 6979 | 33,74 | 5,76 | 23,40 | 30,76 | 111,34 | 289,81 | 12192,38 | 346,28 | 78,54 | 1281,66 |
| 4 | MAY | RURAL | APEX | 15834 | 26,96 | 5,43 | 7,25 | 516,87 | 770,94 | 3440,98 | 2084,18 | 206,98 | 62,87 | 208,16 |
| 4 | MAY | RURAL | BASE | 34135 | 25,30 | 8,97 | 6,08 | 536,33 | 780,02 | 4394,14 | 2249,87 | 191,46 | 75,40 | 294,49 |
| 4 | MAY | RURAL | MIDRIB | 7456 | 23,52 | 10,32 | 11,26 | 503,38 | 670,88 | 5663,67 | 2637,01 | 148,81 | 104,70 | 439,95 |
| 4 | JUNE | RURAL | APEX | 32057 | 34,27 | 8,77 | 13,87 | 266,80 | 386,60 | 3024,52 | 4748,19 | 483,33 | 95,86 | 351,72 |
| 4 | JUNE | RURAL | BASE | 39610 | 29,75 | 10,65 | 18,47 | 236,98 | 372,05 | 3070,77 | 4966,67 | 306,51 | 103,77 | 406,73 |
| 4 | JUNE | RURAL | MIDRIB | 12407 | 25,56 | 9,09 | 19,78 | 355,33 | 315,57 | 3842,96 | 5620,39 | 212,52 | 108,58 | 650,61 |
| 4 | JULY | RURAL | APEX | 22295 | 38,43 | 8,62 | 9,14 | 269,23 | 317,10 | 3092,20 | 6470,20 | 603,03 | 82,18 | 419,95 |
| 4 | JULY | RURAL | BASE | 31638 | 37,93 | 10,38 | 6,82 | 293,08 | 306,78 | 3091,18 | 7186,71 | 273,33 | 86,86 | 476,03 |
| 4 | JULY | RURAL | MIDRIB | 9340 | 33,50 | 10,51 | 11,06 | 449,50 | 242,42 | 2926,45 | 8738,13 | 194,44 | 112,06 | 743,88 |

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|---|-----------|-------|--------|-------|-------|-------|-------|--------|--------|---------|----------|--------|--------|---------|
| 4 | AUGUST | RURAL | APEX | 18743 | 54,48 | 6,41 | 19,36 | 144,35 | 278,92 | 3005,86 | 6801,27 | 410,03 | 94,00 | 240,41 |
| 4 | AUGUST | RURAL | BASE | 27776 | 41,49 | 10,15 | 11,96 | 151,68 | 260,52 | 3432,23 | 7124,85 | 175,61 | 80,90 | 237,36 |
| 4 | AUGUST | RURAL | MIDRIB | 9417 | 36,40 | 5,81 | 19,01 | 217,11 | 244,51 | 4494,35 | 7377,76 | 185,83 | 110,65 | 383,65 |
| 4 | SEPTEMBER | RURAL | APEX | 13830 | 32,46 | 11,94 | 42,36 | 284,93 | 265,58 | 1444,31 | 5468,97 | 672,62 | 128,74 | 416,18 |
| 4 | SEPTEMBER | RURAL | BASE | 19860 | 30,58 | 11,56 | 19,98 | 620,22 | 359,02 | 2671,11 | 6183,14 | 245,89 | 179,65 | 502,75 |
| 4 | SEPTEMBER | RURAL | MIDRIB | 21928 | 31,68 | 13,97 | 29,53 | 531,35 | 287,34 | 3432,71 | 8487,28 | 367,15 | 207,11 | 713,07 |
| 4 | OCTOBER | RURAL | APEX | 22416 | 33,34 | 9,32 | 26,98 | 456,31 | 203,77 | 556,63 | 5367,76 | 442,92 | 97,19 | 273,31 |
| 4 | OCTOBER | RURAL | BASE | 36576 | 41,74 | 12,86 | 27,82 | 543,89 | 169,46 | 460,79 | 6646,97 | 303,62 | 93,84 | 331,59 |
| 4 | OCTOBER | RURAL | MIDRIB | 12227 | 40,15 | 9,69 | 35,56 | 545,70 | 115,48 | 619,02 | 9332,15 | 244,10 | 110,76 | 554,43 |
| 5 | MAY | RURAL | APEX | 12723 | 27,14 | 7,35 | 0,78 | 559,31 | 826,79 | 3616,40 | 2197,08 | 95,20 | 50,00 | 134,23 |
| 5 | MAY | RURAL | BASE | 20005 | 28,82 | 8,89 | 0,00 | 563,14 | 792,90 | 3584,23 | 2263,09 | 84,48 | 60,00 | 152,98 |
| 5 | MAY | RURAL | MIDRIB | 5679 | 20,18 | 6,66 | 0,00 | 522,34 | 576,40 | 5297,68 | 3057,02 | 83,21 | 71,97 | 288,96 |
| 5 | JUNE | RURAL | APEX | 12162 | 54,43 | 9,08 | 29,61 | 188,84 | 350,97 | 2770,96 | 5078,26 | 182,01 | 83,55 | 189,79 |
| 5 | JUNE | RURAL | BASE | 23660 | 49,86 | 10,58 | 18,74 | 193,74 | 326,67 | 3212,68 | 4802,55 | 103,63 | 71,53 | 197,20 |
| 5 | JUNE | RURAL | MIDRIB | 7717 | 49,69 | 9,38 | 25,92 | 200,11 | 308,39 | 4324,25 | 5632,49 | 93,72 | 85,54 | 312,55 |
| 5 | JULY | RURAL | APEX | 15655 | 68,01 | 8,20 | 17,46 | 212,02 | 373,40 | 2864,93 | 6027,16 | 320,55 | 81,08 | 195,96 |
| 5 | JULY | RURAL | BASE | 20757 | 54,80 | 10,26 | 12,14 | 188,65 | 342,56 | 3462,50 | 6716,45 | 140,15 | 77,64 | 225,10 |
| 5 | JULY | RURAL | MIDRIB | 6597 | 43,98 | 8,34 | 19,89 | 216,12 | 312,40 | 5014,39 | 7785,83 | 147,17 | 92,39 | 353,04 |
| 5 | AUGUST | RURAL | APEX | 15287 | 32,67 | 12,80 | 27,31 | 150,97 | 258,94 | 616,18 | 6897,98 | 889,74 | 149,55 | 463,85 |
| 5 | AUGUST | RURAL | BASE | 30871 | 26,16 | 11,92 | 18,24 | 250,84 | 373,32 | 2341,44 | 5489,11 | 248,02 | 112,79 | 445,87 |
| 5 | AUGUST | RURAL | MIDRIB | 7442 | 20,41 | 12,02 | 44,12 | 243,44 | 303,67 | 3839,81 | 6616,30 | 235,44 | 176,51 | 1058,60 |
| 5 | SEPTEMBER | RURAL | APEX | 10742 | 50,17 | 9,91 | 47,49 | 125,27 | 244,76 | 1903,23 | 10330,78 | 590,87 | 131,59 | 375,74 |
| 5 | SEPTEMBER | RURAL | BASE | 33343 | 56,27 | 10,32 | 13,22 | 126,42 | 249,93 | 1915,02 | 11215,34 | 347,29 | 87,11 | 383,32 |
| 5 | SEPTEMBER | RURAL | MIDRIB | 10823 | 47,95 | 9,91 | 23,41 | 213,72 | 205,03 | 2415,34 | 12661,06 | 199,86 | 112,66 | 446,32 |
| 5 | OCTOBER | RURAL | APEX | 9989 | 45,11 | 7,05 | 25,63 | 70,35 | 130,51 | 1127,79 | 11747,72 | 738,71 | 96,98 | 407,82 |
| 5 | OCTOBER | RURAL | BASE | 38852 | 47,92 | 9,60 | 11,95 | 77,18 | 95,84 | 1160,39 | 12144,49 | 306,52 | 80,35 | 340,41 |
| 5 | OCTOBER | RURAL | MIDRIB | 8220 | 32,62 | 11,79 | 12,06 | 164,15 | 96,47 | 1597,02 | 12741,96 | 316,37 | 100,86 | 545,77 |
| 6 | MAY | RURAL | APEX | 10708 | 44,10 | 6,34 | 4,06 | 543,43 | 748,94 | 4434,76 | 4115,66 | 282,34 | 68,22 | 192,22 |
| 6 | MAY | RURAL | BASE | 17477 | 37,63 | 8,19 | 0,05 | 568,42 | 751,12 | 4737,68 | 4046,64 | 236,14 | 81,88 | 223,64 |
| 6 | TOIKO | RURAL | MIDRIB | 6470 | 41,22 | 4,26 | 5,02 | 605,01 | 649,52 | 6960,32 | 4162,81 | 162,39 | 86,26 | 342,74 |
| 6 | JUNE | RURAL | APEX | 10014 | 32,42 | 5,55 | 2,80 | 172,96 | 395,84 | 3725,85 | 5004,53 | 395,99 | 72,96 | 176,59 |
| 6 | JUNE | RURAL | BASE | 30117 | 26,65 | 8,30 | 0,81 | 196,58 | 387,75 | 4313,03 | 5628,60 | 221,48 | 90,73 | 201,46 |
| 6 | JUNE | RURAL | MIDRIB | 10437 | 21,39 | 8,27 | 6,38 | 187,24 | 334,35 | 5192,06 | 5744,55 | 226,71 | 97,75 | 326,68 |
| 6 | JULY | RURAL | APEX | 14874 | 43,50 | 7,86 | 2,24 | 214,55 | 446,88 | 3343,47 | 7350,67 | 648,09 | 68,65 | 161,14 |
| 6 | JULY | RURAL | BASE | 29644 | 38,70 | 7,25 | 2,65 | 231,28 | 445,63 | 3907,75 | 8829,14 | 345,40 | 92,50 | 227,42 |
| 6 | JULY | RURAL | MIDRIB | 9919 | 32,58 | 9,57 | 11,51 | 216,31 | 356,11 | 4422,41 | 8654,28 | 416,37 | 0,00 | 424,52 |
| 6 | AUGUST | RURAL | APEX | 14611 | 42,16 | 9,79 | 4,17 | 188,89 | 350,30 | 3346,87 | 9878,56 | 892,22 | 83,88 | 253,46 |
| 6 | AUGUST | RURAL | BASE | 22085 | 39,30 | 7,66 | 4,95 | 200,54 | 294,66 | 2188,32 | 10282,59 | 359,63 | 74,79 | 218,15 |
| 6 | AUGUST | RURAL | MIDRIB | 10036 | 40,58 | 8,72 | 11,44 | 204,74 | 255,12 | 2446,79 | 11954,46 | 438,06 | 114,75 | 447,88 |
| 6 | SEPTEMBER | RURAL | APEX | 15234 | 37,54 | 9,40 | 8,04 | 298,07 | 356,26 | 3669,09 | 6713,05 | 643,61 | 64,72 | 147,57 |
| 6 | SEPTEMBER | RURAL | BASE | 23898 | 34,21 | 10,52 | 12,11 | 309,92 | 382,73 | 3889,18 | 7870,39 | 323,84 | 94,08 | 232,97 |
| 6 | SEPTEMBER | RURAL | MIDRIB | 10723 | 31,72 | 8,71 | 17,10 | 287,80 | 306,25 | 3621,92 | 8700,56 | 453,69 | 95,75 | 443,72 |

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|---|-----------|----------|--------|-------|-------|-------|-------|--------|--------|----------|----------|--------|--------|---------|
| 6 | OCTOBER | RURAL | APEX | 16386 | 32,47 | 7,77 | 7,13 | 336,63 | 123,95 | 1980,87 | 9507,51 | 718,92 | 56,14 | 156,08 |
| 6 | OCTOBER | RURAL | BASE | 28761 | 33,96 | 8,98 | 7,61 | 310,77 | 116,22 | 2546,71 | 10771,03 | 540,15 | 68,28 | 223,25 |
| 6 | OCTOBER | RURAL | MIDRIB | 9413 | 25,33 | 8,92 | 18,72 | 241,60 | 104,95 | 1978,85 | 10859,60 | 663,82 | 87,29 | 518,83 |
| 7 | MAY | SEASHORE | APEX | 11632 | 47,01 | 8,63 | 6,17 | 706,58 | 733,11 | 3978,44 | 1599,17 | 210,10 | 77,37 | 93,34 |
| 7 | MAY | SEASHORE | BASE | 22493 | 51,26 | 6,06 | 0,00 | 718,20 | 724,16 | 4124,85 | 1605,10 | 204,05 | 62,20 | 115,89 |
| 7 | MAY | SEASHORE | MIDRIB | 8377 | 58,25 | 8,29 | 0,00 | 696,27 | 628,98 | 8072,99 | 1925,57 | 165,61 | 101,30 | 242,20 |
| 7 | JUNE | SEASHORE | APEX | 12762 | 46,87 | 12,44 | 31,76 | 258,06 | 463,68 | 3082,99 | 1901,99 | 228,99 | 117,74 | 57,03 |
| 7 | JUNE | SEASHORE | BASE | 27442 | 45,55 | 10,55 | 21,56 | 261,07 | 454,79 | 3882,02 | 2107,08 | 183,75 | 132,05 | 107,97 |
| 7 | JUNE | SEASHORE | MIDRIB | 7572 | 27,28 | 13,33 | 33,48 | 291,16 | 360,94 | 6944,28 | 3061,74 | 236,41 | 139,75 | 221,41 |
| 7 | JULY | SEASHORE | APEX | 11436 | 51,50 | 0,00 | 7,33 | 194,63 | 414,56 | 2404,94 | 3963,43 | 464,36 | 130,72 | 89,53 |
| 7 | JULY | SEASHORE | BASE | 27308 | 49,30 | 9,76 | 21,86 | 212,09 | 408,19 | 3155,34 | 4424,89 | 351,69 | 136,72 | 129,68 |
| 7 | JULY | SEASHORE | MIDRIB | 5417 | 32,23 | 6,62 | 29,25 | 269,58 | 347,43 | 4637,28 | 5408,55 | 408,96 | 135,94 | 394,95 |
| 7 | AUGUST | SEASHORE | APEX | 12814 | 46,43 | 9,56 | 26,09 | 159,51 | 338,08 | 1804,93 | 3728,61 | 610,86 | 124,37 | 65,58 |
| 7 | AUGUST | SEASHORE | BASE | 25194 | 46,12 | 12,63 | 32,77 | 173,33 | 353,96 | 2272,13 | 4321,43 | 388,94 | 159,04 | 106,58 |
| 7 | AUGUST | SEASHORE | MIDRIB | 8782 | 33,20 | 8,37 | 46,51 | 242,56 | 297,47 | 2723,37 | 5135,93 | 437,80 | 161,32 | 318,42 |
| 7 | SEPTEMBER | SEASHORE | APEX | 14213 | 37,19 | 5,68 | 23,67 | 145,96 | 266,52 | 2118,69 | 4241,80 | 736,57 | 118,96 | 43,03 |
| 7 | SEPTEMBER | SEASHORE | BASE | 49082 | 36,85 | 11,87 | 24,27 | 167,51 | 315,19 | 2432,40 | 3722,79 | 439,62 | 116,41 | 106,38 |
| 7 | SEPTEMBER | SEASHORE | MIDRIB | 9995 | 25,00 | 16,36 | 65,62 | 151,78 | 222,08 | 2703,49 | 4841,49 | 500,37 | 172,23 | 546,39 |
| 7 | OCTOBER | SEASHORE | APEX | 16260 | 39,22 | 16,41 | 44,19 | 263,20 | 148,93 | 1944,92 | 5241,13 | 909,65 | 151,69 | 39,14 |
| 7 | OCTOBER | SEASHORE | BASE | 31330 | 41,36 | 10,95 | 29,66 | 382,09 | 189,31 | 2505,32 | 4788,26 | 370,26 | 121,99 | 85,99 |
| 7 | OCTOBER | SEASHORE | MIDRIB | 10970 | 31,86 | 15,30 | 58,15 | 369,45 | 127,50 | 3242,92 | 5503,99 | 490,09 | 164,98 | 292,46 |
| 8 | MAY | SEASHORE | APEX | 14425 | 22,20 | 6,65 | 4,04 | 495,95 | 749,80 | 3034,62 | 2106,33 | 155,99 | 109,89 | 160,37 |
| 8 | MAY | SEASHORE | BASE | 29150 | 28,40 | 7,21 | 12,55 | 488,69 | 730,75 | 3202,46 | 2175,30 | 116,89 | 123,36 | 203,24 |
| 8 | MAY | SEASHORE | MIDRIB | 7480 | 29,10 | 9,64 | 28,26 | 398,55 | 544,01 | 6263,46 | 3701,40 | 107,34 | 163,54 | 618,94 |
| 8 | JUNE | SEASHORE | APEX | 15265 | 33,11 | 5,96 | 4,45 | 212,39 | 582,13 | 1866,36 | 3778,43 | 318,89 | 86,44 | 220,91 |
| 8 | JUNE | SEASHORE | BASE | 28573 | 32,37 | 9,20 | 20,67 | 192,42 | 535,85 | 1668,01 | 3811,98 | 169,81 | 95,00 | 308,01 |
| 8 | JUNE | SEASHORE | MIDRIB | 10108 | 27,62 | 11,17 | 58,76 | 174,70 | 437,60 | 2549,61 | 6216,45 | 182,53 | 146,41 | 731,28 |
| 8 | JULY | SEASHORE | APEX | 13543 | 41,29 | 5,90 | 4,29 | 217,31 | 813,40 | 2682,52 | 4749,03 | 401,11 | 83,00 | 327,73 |
| 8 | JULY | SEASHORE | BASE | 31698 | 37,57 | 7,85 | 7,67 | 228,85 | 725,31 | 2896,68 | 4956,50 | 253,58 | 106,76 | 364,50 |
| 8 | JULY | SEASHORE | MIDRIB | 11460 | 24,99 | 8,62 | 8,52 | 229,98 | 518,51 | 4013,67 | 8943,25 | 226,66 | 119,34 | 914,17 |
| 8 | AUGUST | SEASHORE | APEX | 10771 | 38,72 | 7,94 | 13,47 | 211,93 | 606,74 | 2073,05 | 5455,17 | 586,75 | 70,81 | 303,75 |
| 8 | AUGUST | SEASHORE | BASE | 44490 | 46,45 | 9,24 | 15,06 | 212,17 | 592,19 | 1932,90 | 6438,18 | 276,85 | 87,81 | 426,80 |
| 8 | AUGUST | SEASHORE | MIDRIB | 8727 | 32,30 | 11,35 | 22,38 | 250,31 | 408,77 | 1985,75 | 11634,02 | 261,43 | 103,38 | 1141,78 |
| 8 | SEPTEMBER | SEASHORE | APEX | 16297 | 38,93 | 8,56 | 22,58 | 246,69 | 583,06 | 2718,19 | 5501,75 | 459,73 | 94,10 | 326,34 |
| 8 | SEPTEMBER | SEASHORE | BASE | 26874 | 34,64 | 12,15 | 22,66 | 251,25 | 585,57 | 2517,49 | 5939,94 | 239,22 | 106,40 | 371,09 |
| 8 | SEPTEMBER | SEASHORE | MIDRIB | 8616 | 30,56 | 10,11 | 50,89 | 216,54 | 419,61 | 2363,94 | 9761,33 | 237,98 | 115,91 | 893,38 |
| 8 | OCTOBER | SEASHORE | APEX | 15791 | 40,41 | 11,52 | 23,55 | 214,22 | 447,81 | 1607,47 | 6383,38 | 397,76 | 64,76 | 344,24 |
| 8 | OCTOBER | SEASHORE | BASE | 31499 | 45,34 | 14,22 | 30,10 | 283,92 | 464,35 | 1577,27 | 7510,27 | 197,78 | 94,78 | 443,57 |
| 8 | OCTOBER | SEASHORE | MIDRIB | 9709 | 40,63 | 12,38 | 43,43 | 282,46 | 314,99 | 1701,34 | 10373,42 | 210,19 | 157,35 | 1037,66 |
| 9 | MAY | SEASHORE | APEX | 15385 | 46,88 | 5,37 | 0,00 | 570,58 | 896,48 | 3852,92 | 2186,32 | 161,70 | 81,83 | 162,40 |
| 9 | MAY | SEASHORE | BASE | 33837 | 42,64 | 6,04 | 0,23 | 617,21 | 909,01 | 4940,98 | 1792,99 | 88,57 | 82,26 | 173,68 |
| 9 | MAY | SEASHORE | MIDRIB | 8319 | 27,30 | 9,66 | 4,70 | 582,58 | 787,52 | 10171,58 | 1951,19 | 73,76 | 109,04 | 384,69 |

| | | | | | | | | | | | | | | |
|----|-----------|------------|--------|-------|-------|-------|--------|--------|--------|----------|---------|--------|--------|---------|
| 9 | JUNE | SEASHORE | APEX | 16251 | 41,26 | 10,06 | 6,79 | 263,31 | 647,42 | 4096,37 | 2780,04 | 264,22 | 139,13 | 164,16 |
| 9 | JUNE | SEASHORE | BASE | 34748 | 30,99 | 10,73 | 8,88 | 254,57 | 640,94 | 5967,79 | 2081,17 | 96,31 | 129,86 | 176,54 |
| 9 | JUNE | SEASHORE | MIDRIB | 8634 | 11,03 | 6,82 | 24,09 | 259,82 | 514,78 | 10740,15 | 2346,31 | 124,06 | 161,62 | 433,66 |
| 9 | JULY | SEASHORE | APEX | 11812 | 53,22 | 5,45 | 6,29 | 156,19 | 539,40 | 2485,95 | 4040,20 | 333,68 | 134,25 | 168,77 |
| 9 | JULY | SEASHORE | BASE | 38726 | 44,22 | 9,01 | 6,74 | 168,36 | 583,02 | 3912,91 | 4744,82 | 216,07 | 140,38 | 252,99 |
| 9 | JULY | SEASHORE | MIDRIB | 8613 | 27,16 | 14,59 | 16,52 | 166,00 | 607,02 | 7401,76 | 6064,72 | 260,52 | 196,86 | 700,03 |
| 9 | AUGUST | SEASHORE | APEX | 13219 | 49,42 | 11,88 | 31,06 | 215,64 | 458,46 | 2489,34 | 6661,95 | 919,79 | 164,64 | 421,61 |
| 9 | AUGUST | SEASHORE | BASE | 50548 | 56,94 | 11,87 | 34,62 | 213,28 | 444,71 | 2341,83 | 7570,78 | 692,60 | 188,46 | 563,14 |
| 9 | AUGUST | SEASHORE | MIDRIB | 9081 | 46,29 | 10,24 | 39,79 | 209,07 | 358,93 | 3899,35 | 7147,42 | 389,75 | 199,33 | 1041,61 |
| 9 | SEPTEMBER | SEASHORE | APEX | 22103 | 52,78 | 8,36 | 15,17 | 209,70 | 451,46 | 2292,96 | 6541,67 | 852,99 | 139,14 | 388,48 |
| 9 | SEPTEMBER | SEASHORE | BASE | 55238 | 59,06 | 8,45 | 21,54 | 225,14 | 433,83 | 2751,56 | 6696,16 | 424,85 | 164,79 | 508,02 |
| 9 | SEPTEMBER | SEASHORE | MIDRIB | 8786 | 47,12 | 10,09 | 39,78 | 196,70 | 347,15 | 3283,63 | 7371,68 | 442,05 | 190,51 | 1140,99 |
| 9 | OCTOBER | SEASHORE | APEX | 11731 | 22,60 | 9,25 | 66,60 | 110,94 | 323,95 | 2268,47 | 4040,27 | 570,83 | 115,68 | 251,74 |
| 9 | OCTOBER | SEASHORE | BASE | 30656 | 28,77 | 11,96 | 24,95 | 144,55 | 352,04 | 4161,08 | 3663,42 | 343,09 | 152,99 | 235,40 |
| 9 | OCTOBER | SEASHORE | MIDRIB | 8444 | 29,39 | 14,18 | 32,69 | 112,02 | 231,36 | 4108,00 | 4344,57 | 536,68 | 188,61 | 630,76 |
| 10 | MAY | ROADMARGIN | APEX | 18096 | 27,05 | 15,77 | 65,74 | 672,96 | 954,87 | 3731,45 | 3447,24 | 92,41 | 295,89 | 315,09 |
| 10 | MAY | ROADMARGIN | BASE | 24174 | 28,98 | 20,41 | 102,14 | 649,56 | 942,33 | 4382,64 | 4005,84 | 88,05 | 305,08 | 406,00 |
| 10 | MAY | ROADMARGIN | MIDRIB | 8897 | 31,85 | 23,95 | 145,41 | 595,60 | 798,26 | 6403,75 | 5959,19 | 109,54 | 579,39 | 809,19 |
| 10 | JUNE | ROADMARGIN | APEX | 15413 | 38,32 | 24,48 | 146,55 | 164,28 | 395,96 | 2220,53 | 4182,40 | 130,60 | 323,96 | 335,36 |
| 10 | JUNE | ROADMARGIN | BASE | 31569 | 37,45 | 21,83 | 92,72 | 164,39 | 380,51 | 2478,76 | 4506,42 | 111,12 | 253,65 | 392,12 |
| 10 | JUNE | ROADMARGIN | MIDRIB | 5523 | 29,87 | 34,75 | 153,52 | 149,24 | 280,81 | 3973,22 | 6690,06 | 104,54 | 441,66 | 1051,92 |
| 10 | JULY | ROADMARGIN | APEX | 16185 | 25,86 | 26,44 | 149,05 | 244,10 | 327,26 | 3912,72 | 4966,80 | 148,67 | 313,73 | 163,77 |
| 10 | JULY | ROADMARGIN | BASE | 26097 | 25,17 | 18,54 | 79,87 | 232,06 | 325,91 | 4565,32 | 4776,40 | 80,39 | 235,71 | 161,57 |
| 10 | JULY | ROADMARGIN | MIDRIB | 6885 | 16,22 | 23,18 | 140,52 | 354,56 | 250,72 | 6313,11 | 6242,59 | 77,66 | 320,99 | 344,06 |
| 10 | AUGUST | ROADMARGIN | APEX | 15899 | 22,86 | 8,82 | 40,39 | 214,35 | 238,57 | 2803,83 | 5361,60 | 168,03 | 175,46 | 159,91 |
| 10 | AUGUST | ROADMARGIN | BASE | 29921 | 19,96 | 15,35 | 42,22 | 289,39 | 264,31 | 3931,23 | 5079,18 | 76,57 | 157,74 | 209,19 |
| 10 | AUGUST | ROADMARGIN | MIDRIB | 7635 | 19,09 | 20,56 | 91,97 | 350,58 | 211,20 | 4566,65 | 6177,75 | 87,24 | 308,65 | 469,02 |
| 10 | SEPTEMBER | ROADMARGIN | APEX | 17716 | 18,44 | 18,38 | 66,54 | 283,18 | 313,94 | 3150,37 | 4213,55 | 108,51 | 162,90 | 119,20 |
| 10 | SEPTEMBER | ROADMARGIN | BASE | 31848 | 23,36 | 17,51 | 68,39 | 300,40 | 302,78 | 3236,60 | 4409,38 | 87,48 | 192,62 | 149,24 |
| 10 | SEPTEMBER | ROADMARGIN | MIDRIB | 6847 | 14,89 | 19,52 | 111,21 | 246,60 | 228,21 | 3257,47 | 6263,46 | 117,44 | 286,44 | 480,08 |
| 10 | OCTOBER | ROADMARGIN | APEX | 12630 | 24,91 | 14,44 | 53,42 | 296,68 | 181,54 | 3198,73 | 6580,51 | 122,94 | 184,32 | 140,68 |
| 10 | OCTOBER | ROADMARGIN | BASE | 34662 | 25,01 | 17,21 | 61,67 | 220,40 | 159,31 | 3873,21 | 6425,99 | 103,53 | 186,02 | 188,12 |
| 10 | OCTOBER | ROADMARGIN | MIDRIB | 5960 | 14,36 | 16,76 | 82,44 | 179,41 | 0,00 | 5396,39 | 6271,52 | 48,06 | 227,98 | 326,91 |
| 11 | MAY | ROADMARGIN | APEX | 13879 | 26,48 | 19,84 | 100,42 | 716,91 | 775,37 | 3736,99 | 1539,88 | 0,00 | 287,54 | 138,37 |
| 11 | MAY | ROADMARGIN | BASE | 22807 | 31,68 | 21,76 | 112,36 | 673,49 | 744,66 | 4015,16 | 1482,96 | 20,46 | 333,83 | 175,32 |
| 11 | MAY | ROADMARGIN | MIDRIB | 5540 | 29,05 | 16,44 | 134,26 | 615,33 | 548,13 | 6156,42 | 2421,74 | 0,00 | 583,28 | 635,42 |
| 11 | JUNE | ROADMARGIN | APEX | 22428 | 37,06 | 17,04 | 61,59 | 202,23 | 472,89 | 3074,45 | 3810,38 | 42,86 | 339,95 | 213,38 |
| 11 | JUNE | ROADMARGIN | BASE | 31321 | 34,41 | 18,88 | 79,39 | 200,48 | 456,16 | 3528,37 | 3401,45 | 40,73 | 384,21 | 295,34 |
| 11 | JUNE | ROADMARGIN | MIDRIB | 8212 | 23,50 | 25,63 | 149,16 | 165,11 | 333,28 | 4449,65 | 4294,36 | 63,31 | 484,64 | 818,71 |
| 11 | JULY | ROADMARGIN | APEX | 33619 | 60,65 | 15,77 | 54,67 | 139,23 | 321,30 | 2305,88 | 6676,88 | 255,46 | 316,79 | 315,38 |
| 11 | JULY | ROADMARGIN | BASE | 47265 | 55,70 | 14,96 | 61,92 | 148,83 | 310,94 | 2724,98 | 6895,45 | 150,30 | 328,87 | 342,13 |
| 11 | JULY | ROADMARGIN | MIDRIB | 6970 | 40,82 | 15,84 | 94,34 | 136,84 | 225,26 | 4299,84 | 8559,05 | 118,84 | 322,54 | 796,89 |

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|----|-----------|------------|--------|-------|-------|-------|--------|--------|--------|---------|----------|--------|--------|--------|
| 11 | AUGUST | ROADMARGIN | APEX | 24070 | 57,36 | 21,48 | 105,65 | 99,64 | 225,04 | 1400,35 | 7348,83 | 324,02 | 280,42 | 331,72 |
| 11 | AUGUST | ROADMARGIN | BASE | 34800 | 49,57 | 17,93 | 68,97 | 105,56 | 225,95 | 1651,69 | 8390,55 | 134,84 | 249,64 | 372,07 |
| 11 | AUGUST | ROADMARGIN | MIDRIB | 9637 | 48,87 | 19,50 | 96,55 | 85,88 | 195,45 | 1756,96 | 9516,65 | 118,69 | 293,53 | 716,50 |
| 11 | SEPTEMBER | ROADMARGIN | APEX | 28448 | 45,35 | 20,92 | 92,51 | 156,33 | 243,16 | 1692,29 | 7164,08 | 185,98 | 370,90 | 266,52 |
| 11 | SEPTEMBER | ROADMARGIN | BASE | 42700 | 42,76 | 16,38 | 59,62 | 146,94 | 216,83 | 2018,97 | 8023,32 | 132,43 | 527,79 | 310,60 |
| 11 | SEPTEMBER | ROADMARGIN | MIDRIB | 7572 | 38,67 | 19,59 | 121,15 | 136,22 | 164,08 | 2455,93 | 10028,44 | 110,59 | 529,15 | 599,15 |
| 11 | OCTOBER | ROADMARGIN | APEX | 22976 | 54,06 | 17,21 | 87,11 | 128,07 | 132,26 | 1029,39 | 7698,00 | 244,15 | 251,66 | 264,74 |
| 11 | OCTOBER | ROADMARGIN | BASE | 49718 | 48,97 | 19,50 | 70,03 | 142,68 | 145,83 | 1672,67 | 8234,76 | 138,95 | 251,64 | 326,86 |
| 11 | OCTOBER | ROADMARGIN | MIDRIB | 9673 | 36,36 | 22,22 | 111,13 | 92,54 | 110,08 | 2007,91 | 9345,70 | 143,30 | 338,47 | 722,29 |
| 12 | MAY | ROADMARGIN | APEX | 11160 | 18,74 | 11,06 | 28,78 | 662,69 | 625,89 | 3355,59 | 2094,21 | 51,34 | 180,20 | 185,68 |
| 12 | MAY | ROADMARGIN | BASE | 24080 | 22,49 | 15,29 | 67,35 | 708,76 | 646,51 | 3684,14 | 2271,10 | 48,56 | 288,78 | 235,89 |
| 12 | MAY | ROADMARGIN | MIDRIB | 8096 | 22,72 | 18,01 | 123,35 | 584,33 | 485,25 | 5426,37 | 2718,56 | 49,69 | 492,80 | 510,77 |
| 12 | JUNE | ROADMARGIN | APEX | 21690 | 31,81 | 17,40 | 77,36 | 216,40 | 284,06 | 2303,77 | 5785,20 | 118,98 | 240,82 | 332,37 |
| 12 | JUNE | ROADMARGIN | BASE | 42773 | 34,60 | 20,21 | 76,73 | 215,52 | 288,76 | 2459,88 | 5950,72 | 88,23 | 238,69 | 381,42 |
| 12 | JUNE | ROADMARGIN | MIDRIB | 7186 | 24,95 | 22,92 | 108,29 | 287,84 | 232,22 | 3372,06 | 6532,16 | 70,83 | 376,30 | 625,76 |
| 12 | JULY | ROADMARGIN | APEX | 16433 | 56,59 | 21,49 | 124,64 | 200,38 | 443,59 | 3434,46 | 5700,47 | 184,71 | 402,45 | 176,98 |
| 12 | JULY | ROADMARGIN | BASE | 24889 | 34,94 | 20,26 | 99,74 | 204,70 | 418,49 | 4563,67 | 5713,22 | 97,98 | 353,02 | 252,55 |
| 12 | JULY | ROADMARGIN | MIDRIB | 7790 | 24,66 | 28,80 | 154,06 | 231,91 | 318,20 | 6477,70 | 7499,93 | 111,52 | 461,45 | 478,09 |
| 12 | AUGUST | ROADMARGIN | APEX | 22567 | 47,38 | 19,79 | 103,51 | 107,61 | 287,90 | 1873,54 | 5965,07 | 203,90 | 300,75 | 181,55 |
| 12 | AUGUST | ROADMARGIN | BASE | 33309 | 43,99 | 20,49 | 87,89 | 113,87 | 292,63 | 2434,92 | 6700,19 | 150,33 | 270,54 | 233,50 |
| 12 | AUGUST | ROADMARGIN | MIDRIB | 7394 | 33,25 | 21,93 | 157,25 | 86,91 | 198,31 | 2640,00 | 7960,02 | 178,93 | 424,87 | 686,12 |
| 12 | SEPTEMBER | ROADMARGIN | APEX | 11398 | 52,67 | 29,76 | 190,08 | 184,40 | 365,11 | 2201,47 | 5750,74 | 194,82 | 415,14 | 163,89 |
| 12 | SEPTEMBER | ROADMARGIN | BASE | 22847 | 48,94 | 23,47 | 108,13 | 199,83 | 382,77 | 2161,91 | 7017,78 | 123,31 | 337,13 | 225,01 |
| 12 | SEPTEMBER | ROADMARGIN | MIDRIB | 6249 | 40,32 | 27,01 | 150,80 | 264,40 | 281,63 | 2788,66 | 9627,24 | 116,29 | 537,96 | 620,15 |
| 12 | OCTOBER | ROADMARGIN | APEX | 18754 | 55,63 | 21,97 | 114,70 | 146,36 | 228,30 | 4206,98 | 9493,80 | 180,70 | 474,83 | 284,79 |
| 12 | OCTOBER | ROADMARGIN | BASE | 24155 | 48,27 | 22,62 | 93,11 | 141,03 | 172,85 | 3256,20 | 10123,28 | 98,61 | 389,29 | 299,82 |
| 12 | OCTOBER | ROADMARGIN | MIDRIB | 7567 | 45,63 | 24,10 | 142,21 | 207,48 | 124,97 | 3361,85 | 11880,91 | 82,90 | 473,83 | 531,32 |
| 13 | MAY | SEEPWATER | APEX | 10259 | 48,35 | 8,83 | 23,21 | 560,99 | 656,01 | 3487,04 | 3759,41 | 39,23 | 184,14 | 79,27 |
| 13 | MAY | SEEPWATER | BASE | 12253 | 39,84 | 12,86 | 58,72 | 560,38 | 625,20 | 3799,84 | 3986,61 | 38,86 | 268,76 | 63,92 |
| 13 | MAY | SEEPWATER | MIDRIB | 5035 | 43,96 | 18,35 | 39,89 | 536,15 | 539,71 | 4242,93 | 5475,55 | 21,18 | 326,72 | 73,64 |
| 13 | JUNE | SEEPWATER | APEX | 18859 | 53,20 | 13,72 | 47,18 | 128,02 | 267,24 | 2025,55 | 4683,15 | 115,55 | 217,38 | 46,48 |
| 13 | JUNE | SEEPWATER | BASE | 24407 | 39,45 | 14,78 | 52,45 | 131,82 | 263,18 | 2453,80 | 5240,59 | 86,35 | 230,56 | 53,32 |
| 13 | JUNE | SEEPWATER | MIDRIB | 9923 | 39,55 | 13,64 | 75,42 | 139,34 | 236,38 | 3774,73 | 6898,34 | 100,06 | 230,77 | 141,82 |
| 13 | JULY | SEEPWATER | APEX | 12660 | 69,05 | 11,31 | 14,88 | 129,03 | 311,37 | 2234,38 | 7368,31 | 234,34 | 298,00 | 236,43 |
| 13 | JULY | SEEPWATER | BASE | 22813 | 64,21 | 6,16 | 13,96 | 149,65 | 309,57 | 2450,38 | 8435,41 | 127,56 | 256,53 | 238,49 |
| 13 | JULY | SEEPWATER | MIDRIB | 5751 | 40,33 | 11,87 | 23,55 | 111,13 | 222,74 | 2937,69 | 12600,24 | 133,64 | 197,43 | 420,31 |
| 13 | AUGUST | SEEPWATER | APEX | 21012 | 41,11 | 11,52 | 8,17 | 242,19 | 298,21 | 2519,15 | 5988,05 | 190,90 | 182,66 | 107,19 |
| 13 | AUGUST | SEEPWATER | BASE | 33091 | 43,53 | 8,69 | 7,59 | 248,77 | 332,79 | 2701,02 | 7198,39 | 112,45 | 178,78 | 167,18 |
| 13 | AUGUST | SEEPWATER | MIDRIB | 6238 | 29,75 | 7,81 | 20,84 | 188,98 | 224,12 | 2959,63 | 11282,13 | 119,92 | 139,75 | 363,04 |
| 13 | SEPTEMBER | SEEPWATER | APEX | 11814 | 45,13 | 14,98 | 65,90 | 131,10 | 205,07 | 1276,66 | 6750,72 | 229,97 | 399,68 | 244,00 |
| 13 | SEPTEMBER | SEEPWATER | BASE | 24512 | 47,88 | 9,84 | 31,97 | 153,41 | 207,84 | 1792,53 | 7732,07 | 153,84 | 340,88 | 262,62 |
| 13 | SEPTEMBER | SEEPWATER | MIDRIB | 5531 | 39,59 | 12,11 | 47,20 | 117,04 | 176,60 | 2406,44 | 9618,62 | 191,58 | 249,65 | 322,26 |

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|----|-----------|-----------|--------|-------|-------|-------|--------|--------|--------|---------|----------|--------|--------|--------|
| 13 | OCTOBER | SEEPWATER | APEX | 30202 | 52,86 | 0,00 | 31,32 | 433,34 | 266,66 | 2951,07 | 3865,45 | 107,48 | 208,30 | 0,00 |
| 13 | OCTOBER | SEEPWATER | BASE | 40227 | 39,28 | 8,56 | 15,23 | 328,24 | 218,16 | 1953,49 | 5334,95 | 103,51 | 153,50 | 51,97 |
| 13 | OCTOBER | SEEPWATER | MIDRIB | 7221 | 32,21 | 7,58 | 29,41 | 225,88 | 116,50 | 2321,16 | 10932,69 | 165,20 | 136,70 | 260,18 |
| 14 | MAY | SEEPWATER | APEX | 10858 | 28,96 | 10,80 | 25,74 | 386,91 | 515,58 | 4512,33 | 3768,05 | 78,80 | 120,48 | 187,22 |
| 14 | MAY | SEEPWATER | BASE | 14026 | 29,54 | 7,28 | 11,09 | 335,22 | 486,96 | 5090,91 | 3651,04 | 51,46 | 128,88 | 214,62 |
| 14 | MAY | SEEPWATER | MIDRIB | 4275 | 13,58 | 0,00 | 9,10 | 325,79 | 397,62 | 7549,85 | 4367,70 | 49,85 | 125,45 | 334,38 |
| 14 | JUNE | SEEPWATER | APEX | 13188 | 33,92 | 10,98 | 14,30 | 122,88 | 293,89 | 3372,14 | 3481,11 | 68,21 | 131,72 | 144,34 |
| 14 | JUNE | SEEPWATER | BASE | 23503 | 18,36 | 8,80 | 13,17 | 112,70 | 275,83 | 4084,32 | 4122,29 | 48,83 | 136,98 | 142,14 |
| 14 | JUNE | SEEPWATER | MIDRIB | 6700 | 12,78 | 8,71 | 26,06 | 102,06 | 229,61 | 5882,34 | 5210,44 | 42,71 | 137,36 | 278,59 |
| 14 | JULY | SEEPWATER | APEX | 9220 | 41,58 | 9,31 | 15,74 | 81,61 | 281,73 | 1376,47 | 6573,51 | 65,17 | 164,85 | 88,93 |
| 14 | JULY | SEEPWATER | BASE | 13686 | 35,51 | 7,45 | 16,42 | 99,59 | 307,80 | 2604,88 | 7919,24 | 49,51 | 169,67 | 72,80 |
| 14 | JULY | SEEPWATER | MIDRIB | 4146 | 32,29 | 10,39 | 20,52 | 50,18 | 185,87 | 3461,52 | 8994,08 | 44,99 | 141,34 | 122,14 |
| 14 | AUGUST | SEEPWATER | APEX | 10529 | 19,73 | 10,28 | 15,70 | 103,89 | 262,54 | 1847,95 | 5436,43 | 123,15 | 127,88 | 108,13 |
| 14 | AUGUST | SEEPWATER | BASE | 20937 | 23,56 | 9,96 | 14,74 | 116,62 | 300,31 | 2100,92 | 6027,21 | 89,70 | 141,84 | 90,23 |
| 14 | AUGUST | SEEPWATER | MIDRIB | 6667 | 16,49 | 8,45 | 27,82 | 90,10 | 229,83 | 3283,17 | 8132,02 | 98,02 | 131,94 | 109,27 |
| 14 | SEPTEMBER | SEEPWATER | APEX | 11856 | 27,09 | 12,61 | 43,80 | 162,77 | 317,93 | 2391,73 | 3889,13 | 62,98 | 152,54 | 0,00 |
| 14 | SEPTEMBER | SEEPWATER | BASE | 22771 | 20,29 | 7,85 | 17,82 | 162,22 | 333,40 | 2754,91 | 4144,91 | 45,03 | 109,24 | 48,00 |
| 14 | SEPTEMBER | SEEPWATER | MIDRIB | 6443 | 16,33 | 14,48 | 43,27 | 114,31 | 240,46 | 5034,89 | 5634,62 | 72,56 | 106,70 | 85,27 |
| 14 | OCTOBER | SEEPWATER | APEX | 10700 | 24,44 | 0,00 | 0,00 | 0,00 | 131,15 | 518,76 | 5832,18 | 113,27 | 145,55 | 0,00 |
| 14 | OCTOBER | SEEPWATER | BASE | 13908 | 18,98 | 13,94 | 40,29 | 39,27 | 124,28 | 841,52 | 5890,36 | 78,33 | 102,70 | 0,00 |
| 14 | OCTOBER | SEEPWATER | MIDRIB | 4648 | 0,00 | 14,67 | 63,94 | 31,91 | 94,68 | 1080,77 | 8022,50 | 98,65 | 126,53 | 0,00 |
| 15 | MAY | SEEPWATER | APEX | 8267 | 38,56 | 4,90 | 0,00 | 374,42 | 529,22 | 3085,02 | 4778,22 | 74,35 | 191,73 | 202,67 |
| 15 | MAY | SEEPWATER | BASE | 13909 | 35,62 | 10,49 | 11,45 | 372,48 | 482,29 | 3772,34 | 4799,97 | 73,10 | 184,84 | 205,01 |
| 15 | MAY | SEEPWATER | MIDRIB | 6219 | 30,64 | 0,00 | 19,70 | 381,79 | 366,99 | 5530,88 | 5540,38 | 43,64 | 194,62 | 281,94 |
| 15 | JUNE | SEEPWATER | APEX | 8257 | 46,20 | 16,99 | 86,47 | 140,95 | 274,87 | 2700,89 | 2944,40 | 144,13 | 320,34 | 136,01 |
| 15 | JUNE | SEEPWATER | BASE | 16876 | 48,00 | 11,29 | 23,86 | 147,62 | 267,30 | 3729,56 | 4564,42 | 71,51 | 220,14 | 189,77 |
| 15 | JUNE | SEEPWATER | MIDRIB | 4263 | 29,63 | 10,43 | 41,71 | 162,33 | 204,04 | 4945,70 | 6613,79 | 61,68 | 263,43 | 248,04 |
| 15 | JULY | SEEPWATER | APEX | 18370 | 58,77 | 15,06 | 53,90 | 123,10 | 316,19 | 2585,17 | 5282,81 | 132,29 | 218,39 | 0,00 |
| 15 | JULY | SEEPWATER | BASE | 25165 | 56,52 | 15,28 | 35,39 | 128,41 | 290,51 | 3031,49 | 5974,79 | 82,12 | 192,17 | 29,93 |
| 15 | JULY | SEEPWATER | MIDRIB | 7841 | 41,84 | 12,38 | 83,13 | 109,81 | 255,18 | 4580,48 | 7152,03 | 68,73 | 227,81 | 86,93 |
| 15 | AUGUST | SEEPWATER | APEX | 11609 | 48,36 | 15,00 | 83,06 | 125,13 | 318,35 | 2421,66 | 5136,35 | 120,10 | 241,74 | 0,00 |
| 15 | AUGUST | SEEPWATER | BASE | 28523 | 46,61 | 0,00 | 49,31 | 130,43 | 283,33 | 2959,35 | 6000,16 | 77,09 | 204,38 | 0,00 |
| 15 | AUGUST | SEEPWATER | MIDRIB | 7534 | 46,20 | 19,46 | 95,60 | 107,97 | 241,76 | 4682,58 | 8068,86 | 69,84 | 229,50 | 54,60 |
| 15 | SEPTEMBER | SEEPWATER | APEX | 15355 | 70,54 | 23,60 | 121,40 | 121,61 | 287,28 | 3005,48 | 6803,03 | 154,75 | 312,40 | 0,00 |
| 15 | SEPTEMBER | SEEPWATER | BASE | 32385 | 62,44 | 17,22 | 62,84 | 119,37 | 272,68 | 2732,36 | 7873,36 | 104,68 | 260,33 | 34,35 |
| 15 | SEPTEMBER | SEEPWATER | MIDRIB | 10292 | 54,17 | 26,03 | 134,94 | 132,38 | 249,12 | 3851,82 | 10023,18 | 87,47 | 363,46 | 138,09 |
| 15 | OCTOBER | SEEPWATER | APEX | 14666 | 42,58 | 18,74 | 92,87 | 47,78 | 631,93 | 5716,03 | 6931,54 | 122,41 | 219,92 | 92,10 |
| 15 | OCTOBER | SEEPWATER | BASE | 37923 | 48,02 | 14,46 | 50,50 | 49,56 | 564,08 | 4751,59 | 7985,32 | 75,40 | 171,49 | 117,15 |
| 15 | OCTOBER | SEEPWATER | MIDRIB | 9217 | 36,19 | 30,29 | 246,05 | 79,30 | 253,48 | 5427,64 | 11372,70 | 118,01 | 559,29 | 250,26 |
| 16 | MAY | LIMESTONE | APEX | 9355 | 33,09 | 6,80 | 28,47 | 699,48 | 787,52 | 4192,87 | 1828,41 | 0,00 | 103,74 | 114,77 |
| 16 | MAY | LIMESTONE | BASE | 15471 | 39,26 | 15,16 | 44,73 | 726,51 | 782,86 | 4433,27 | 2204,91 | 13,59 | 181,01 | 184,07 |
| 16 | MAY | LIMESTONE | MIDRIB | 4109 | 39,72 | 13,75 | 47,23 | 708,67 | 595,95 | 6650,42 | 3403,06 | 0,00 | 147,13 | 500,30 |

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|----|-----------|-----------|--------|-------|-------|-------|--------|---------|--------|---------|----------|-------|---------|---------|
| 16 | JUNE | LIMESTONE | APEX | 12504 | 27,61 | 69,33 | 682,10 | 237,90 | 346,98 | 2756,76 | 7739,76 | 38,07 | 1367,31 | 202,99 |
| 16 | JUNE | LIMESTONE | BASE | 23270 | 30,42 | 47,03 | 377,19 | 296,11 | 413,18 | 2705,68 | 6371,16 | 31,14 | 748,72 | 297,50 |
| 16 | JUNE | LIMESTONE | MIDRIB | 7059 | 21,65 | 47,74 | 456,45 | 351,82 | 341,50 | 3319,30 | 8218,53 | 13,24 | 857,64 | 623,77 |
| 16 | JULY | LIMESTONE | APEX | 12600 | 34,48 | 17,66 | 90,88 | 343,65 | 382,44 | 2744,75 | 4263,80 | 0,00 | 193,88 | 79,94 |
| 16 | JULY | LIMESTONE | BASE | 18963 | 31,60 | 18,61 | 67,10 | 398,55 | 453,42 | 2667,47 | 5030,45 | 0,00 | 182,42 | 207,43 |
| 16 | JULY | LIMESTONE | MIDRIB | 9042 | 28,65 | 26,17 | 139,00 | 442,10 | 351,02 | 3569,65 | 6526,79 | 21,99 | 285,05 | 537,69 |
| 16 | AUGUST | LIMESTONE | APEX | 9368 | 29,62 | 20,63 | 101,41 | 300,53 | 272,88 | 2393,98 | 7713,00 | 36,04 | 283,53 | 276,08 |
| 16 | AUGUST | LIMESTONE | BASE | 36732 | 32,34 | 24,33 | 115,13 | 364,88 | 283,10 | 2939,00 | 8171,90 | 38,20 | 336,88 | 400,91 |
| 16 | AUGUST | LIMESTONE | MIDRIB | 9075 | 25,22 | 35,53 | 210,86 | 353,70 | 176,62 | 3915,49 | 8941,74 | 33,97 | 498,78 | 818,99 |
| 16 | SEPTEMBER | LIMESTONE | APEX | 22737 | 33,43 | 43,26 | 236,96 | 403,54 | 312,28 | 2661,95 | 5565,80 | 21,06 | 429,94 | 683,46 |
| 16 | SEPTEMBER | LIMESTONE | BASE | 47557 | 29,59 | 34,39 | 201,06 | 394,11 | 297,85 | 2718,12 | 6219,02 | 23,14 | 343,46 | 388,47 |
| 16 | SEPTEMBER | LIMESTONE | MIDRIB | 66904 | 31,30 | 38,59 | 302,42 | 322,08 | 234,29 | 3422,86 | 7992,34 | 25,52 | 621,75 | 1120,20 |
| 16 | OCTOBER | LIMESTONE | APEX | 18551 | 30,54 | 39,60 | 273,51 | 788,46 | 140,38 | 2071,15 | 8262,80 | 34,27 | 473,06 | 278,33 |
| 16 | OCTOBER | LIMESTONE | BASE | 27626 | 28,74 | 28,22 | 151,37 | 818,57 | 0,00 | 2545,46 | 8727,72 | 29,82 | 278,10 | 382,19 |
| 16 | OCTOBER | LIMESTONE | MIDRIB | 8357 | 19,53 | 28,74 | 175,66 | 596,17 | 90,20 | 3362,06 | 9953,37 | 50,78 | 323,17 | 965,48 |
| 17 | MAY | LIMESTONE | APEX | 15365 | 23,67 | 17,91 | 69,02 | 558,11 | 756,26 | 6128,31 | 4548,88 | 15,90 | 224,77 | 162,64 |
| 17 | MAY | LIMESTONE | BASE | 22912 | 25,01 | 16,04 | 58,56 | 550,38 | 731,47 | 6302,82 | 4776,47 | 14,89 | 248,34 | 181,41 |
| 17 | MAY | LIMESTONE | MIDRIB | 4386 | 16,23 | 21,65 | 138,02 | 437,64 | 476,21 | 7689,31 | 6914,10 | 0,00 | 414,38 | 437,58 |
| 17 | JUNE | LIMESTONE | APEX | 14375 | 19,86 | 13,60 | 48,43 | 161,52 | 262,07 | 3294,49 | 8303,81 | 41,06 | 175,21 | 246,49 |
| 17 | JUNE | LIMESTONE | BASE | 28412 | 20,90 | 14,01 | 40,23 | 197,68 | 314,77 | 3930,26 | 11107,70 | 52,68 | 316,48 | 386,25 |
| 17 | JUNE | LIMESTONE | MIDRIB | 9140 | 13,51 | 15,57 | 78,46 | 243,98 | 211,61 | 3361,23 | 12117,87 | 37,41 | 269,97 | 587,91 |
| 17 | JULY | LIMESTONE | APEX | 16960 | 23,78 | 20,63 | 111,08 | 345,85 | 412,62 | 2606,83 | 5341,40 | 21,10 | 206,54 | 274,68 |
| 17 | JULY | LIMESTONE | BASE | 28203 | 21,61 | 17,62 | 75,74 | 371,76 | 426,61 | 2581,52 | 5007,89 | 20,17 | 158,47 | 300,88 |
| 17 | JULY | LIMESTONE | MIDRIB | 6937 | 17,71 | 22,03 | 129,13 | 416,69 | 319,83 | 3627,21 | 6693,13 | 22,77 | 253,71 | 902,04 |
| 17 | AUGUST | LIMESTONE | APEX | 12822 | 23,69 | 19,48 | 97,35 | 359,89 | 373,90 | 2792,33 | 9457,84 | 56,28 | 262,26 | 1554,59 |
| 17 | AUGUST | LIMESTONE | BASE | 33873 | 22,24 | 17,06 | 74,30 | 403,05 | 398,17 | 3338,63 | 9713,94 | 33,00 | 221,02 | 993,25 |
| 17 | AUGUST | LIMESTONE | MIDRIB | 7355 | 19,92 | 21,60 | 147,40 | 522,51 | 301,83 | 5588,17 | 11232,34 | 0,00 | 326,44 | 1721,04 |
| 17 | SEPTEMBER | LIMESTONE | APEX | 15608 | 22,47 | 29,18 | 133,91 | 634,13 | 387,80 | 3031,32 | 11117,19 | 87,89 | 337,65 | 2427,94 |
| 17 | SEPTEMBER | LIMESTONE | BASE | 28638 | 20,47 | 19,86 | 86,71 | 789,98 | 404,13 | 3397,39 | 10107,30 | 52,97 | 305,61 | 1764,85 |
| 17 | SEPTEMBER | LIMESTONE | MIDRIB | 8612 | 14,99 | 28,40 | 160,37 | 710,37 | 324,83 | 4300,91 | 11316,67 | 53,85 | 360,47 | 2332,61 |
| 17 | OCTOBER | LIMESTONE | APEX | 22629 | 21,64 | 17,35 | 65,47 | 1094,00 | 158,91 | 1520,27 | 11839,90 | 70,26 | 176,41 | 2859,10 |
| 17 | OCTOBER | LIMESTONE | BASE | 44973 | 21,56 | 20,50 | 79,99 | 1337,68 | 164,25 | 2614,00 | 12410,98 | 53,63 | 235,50 | 2225,06 |
| 17 | OCTOBER | LIMESTONE | MIDRIB | 8629 | 12,89 | 22,63 | 150,40 | 1047,57 | 140,86 | 5401,83 | 12997,11 | 57,73 | 283,00 | 2855,71 |
| 18 | MAY | LIMESTONE | APEX | 16512 | 22,08 | 7,57 | 0,00 | 499,86 | 551,09 | 3297,54 | 3874,95 | 0,00 | 63,37 | 248,07 |
| 18 | MAY | LIMESTONE | BASE | 26512 | 21,82 | 8,18 | 5,22 | 483,15 | 529,60 | 3434,93 | 3850,14 | 10,27 | 58,71 | 274,44 |
| 18 | MAY | LIMESTONE | MIDRIB | 26445 | 23,61 | 12,53 | 5,84 | 419,66 | 340,40 | 4900,08 | 6805,77 | 0,00 | 107,50 | 818,96 |
| 18 | JUNE | LIMESTONE | APEX | 16913 | 26,15 | 14,60 | 64,39 | 306,71 | 447,97 | 4247,20 | 7290,45 | 42,21 | 175,95 | 652,39 |
| 18 | JUNE | LIMESTONE | BASE | 52354 | 26,76 | 15,87 | 49,13 | 301,55 | 443,98 | 4416,97 | 7631,79 | 33,69 | 180,86 | 731,88 |
| 18 | JUNE | LIMESTONE | MIDRIB | 6268 | 13,04 | 24,70 | 101,65 | 447,19 | 325,68 | 7373,05 | 9150,19 | 26,30 | 254,34 | 1335,87 |
| 18 | JULY | LIMESTONE | APEX | 20593 | 23,81 | 12,69 | 43,13 | 224,71 | 358,34 | 3886,85 | 9790,21 | 54,95 | 191,86 | 211,96 |
| 18 | JULY | LIMESTONE | BASE | 23632 | 20,37 | 14,80 | 36,74 | 229,71 | 345,26 | 4012,90 | 11283,15 | 42,37 | 173,17 | 318,22 |
| 18 | JULY | LIMESTONE | MIDRIB | 6183 | 13,77 | 17,56 | 100,30 | 227,30 | 229,21 | 3704,48 | 14508,56 | 51,02 | 295,92 | 582,21 |

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|----|-----------|-----------|--------|-------|-------|-------|--------|--------|--------|---------|----------|-------|--------|--------|
| 18 | AUGUST | LIMESTONE | APEX | 16971 | 23,34 | 17,40 | 80,75 | 313,53 | 295,21 | 4526,86 | 9323,77 | 41,24 | 222,79 | 206,07 |
| 18 | AUGUST | LIMESTONE | BASE | 22827 | 23,33 | 23,32 | 90,33 | 376,77 | 284,89 | 4646,19 | 10490,87 | 43,88 | 217,36 | 276,59 |
| 18 | AUGUST | LIMESTONE | MIDRIB | 5409 | 23,33 | 23,32 | 90,33 | 376,77 | 284,89 | 4646,19 | 10490,87 | 43,88 | 217,36 | 276,59 |
| 18 | SEPTEMBER | LIMESTONE | APEX | 16726 | 33,15 | 22,42 | 99,97 | 308,07 | 263,62 | 3116,72 | 10337,04 | 50,26 | 205,02 | 226,21 |
| 18 | SEPTEMBER | LIMESTONE | BASE | 23841 | 27,91 | 26,14 | 93,92 | 350,56 | 261,45 | 3303,80 | 11951,61 | 36,08 | 217,76 | 262,75 |
| 18 | SEPTEMBER | LIMESTONE | MIDRIB | 4549 | 0,00 | 24,05 | 116,91 | 374,83 | 158,52 | 3036,10 | 17961,96 | 46,82 | 274,76 | 526,99 |
| 18 | OCTOBER | LIMESTONE | APEX | 16572 | 21,61 | 21,48 | 104,47 | 394,79 | 187,23 | 5142,95 | 9635,20 | 23,66 | 219,20 | 297,61 |
| 18 | OCTOBER | LIMESTONE | BASE | 27565 | 17,22 | 18,80 | 73,79 | 362,96 | 233,33 | 5228,71 | 8838,23 | 26,71 | 171,93 | 352,36 |
| 18 | OCTOBER | LIMESTONE | MIDRIB | 36611 | 16,13 | 0,00 | 83,99 | 411,46 | 68,46 | 3494,62 | 12624,41 | 30,15 | 175,75 | 502,67 |