

様式 2

事業費集計表
(森林整備事業)

事業名： 水源林造成事業
 施行箇所： 十勝・釧路川広域流域 10年経過契約地

(単位:千円)

| 年度 | 事業費 | | | 年度 | 事業費 | | |
|-----|--------|----------|--------|-----|-----|------------|---------|
| | 事業費 | 割引率 | 現在価値額 | | 事業費 | 割引率 | 現在価値額 |
| H15 | | × 1.5395 | | H76 | 0 | × 0.1407 | 0 |
| H16 | 36,649 | × 1.4802 | 54,248 | H77 | 0 | × 0.1353 | 0 |
| H17 | 6,597 | × 1.4233 | 9,390 | H78 | 0 | × 0.1301 | 0 |
| H18 | 4,193 | × 1.3686 | 5,739 | H79 | 0 | × 0.1251 | 0 |
| H19 | 3,123 | × 1.3159 | 4,110 | H80 | 0 | × 0.1203 | 0 |
| H20 | 2,474 | × 1.2653 | 3,130 | H81 | 0 | × 0.1157 | 0 |
| H21 | 2,401 | × 1.2167 | 2,921 | H82 | 0 | × 0.1112 | 0 |
| H22 | 0 | × 1.1699 | 0 | H83 | 0 | × 0.1069 | 0 |
| H23 | 2,680 | × 1.1249 | 3,015 | H84 | 0 | × 0.1028 | 0 |
| H24 | 0 | × 1.0816 | 0 | H85 | 0 | × 0.0989 | 0 |
| H25 | 160 | × 1.0400 | 166 | H86 | 0 | × 0.0951 | 0 |
| H26 | 0 | × 1.0000 | 0 | H87 | 0 | × 0.0914 | 0 |
| H27 | 5,524 | × 0.9615 | 5,311 | H88 | 0 | × 0.0879 | 0 |
| H28 | 0 | × 0.9246 | 0 | H89 | 0 | × 0.0845 | 0 |
| H29 | 4,446 | × 0.8890 | 3,952 | H90 | 0 | × 0.0813 | 0 |
| H30 | 0 | × 0.8548 | 0 | H91 | 0 | × 0.0781 | 0 |
| H31 | 0 | × 0.8219 | 0 | H92 | 0 | × 0.0751 | 0 |
| H32 | 0 | × 0.7903 | 0 | H93 | 0 | × 0.0722 | 0 |
| H33 | 1,045 | × 0.7599 | 794 | H94 | 0 | × 0.0695 | 0 |
| H34 | 0 | × 0.7307 | 0 | H95 | 0 | × 0.0668 | 0 |
| H35 | 478 | × 0.7026 | 336 | | | | |
| H36 | 3,136 | × 0.6756 | 2,119 | | | | |
| H37 | 0 | × 0.6496 | 0 | | | | |
| H38 | 0 | × 0.6246 | 0 | | | | |
| H39 | 0 | × 0.6006 | 0 | | | | |
| H40 | 344 | × 0.5775 | 199 | | | | |
| H41 | 8,359 | × 0.5553 | 4,642 | | | | |
| H42 | 0 | × 0.5339 | 0 | | | | |
| H43 | 0 | × 0.5134 | 0 | | | | |
| H44 | 0 | × 0.4936 | 0 | | | | |
| H45 | 0 | × 0.4746 | 0 | | | | |
| H46 | 0 | × 0.4564 | 0 | | | | |
| H47 | 0 | × 0.4388 | 0 | | | | |
| H48 | 0 | × 0.4220 | 0 | | | | |
| H49 | 0 | × 0.4057 | 0 | | | | |
| H50 | 0 | × 0.3901 | 0 | | | | |
| H51 | 0 | × 0.3751 | 0 | | | | |
| H52 | 0 | × 0.3607 | 0 | | | | |
| H53 | 0 | × 0.3468 | 0 | | | | |
| H54 | 0 | × 0.3335 | 0 | | | | |
| H55 | 344 | × 0.3207 | 110 | | | | |
| H56 | 2,279 | × 0.3083 | 703 | | | | |
| H57 | 0 | × 0.2965 | 0 | | | | |
| H58 | 0 | × 0.2851 | 0 | | | | |
| H59 | 0 | × 0.2741 | 0 | | | | |
| H60 | 0 | × 0.2636 | 0 | | | | |
| H61 | 0 | × 0.2534 | 0 | | | | |
| H62 | 0 | × 0.2437 | 0 | | | | |
| H63 | 0 | × 0.2343 | 0 | | | | |
| H64 | 0 | × 0.2253 | 0 | | | | |
| H65 | 0 | × 0.2166 | 0 | | | | |
| H66 | 0 | × 0.2083 | 0 | | | | |
| H67 | 0 | × 0.2003 | 0 | | | | |
| H68 | 0 | × 0.1926 | 0 | | | | |
| H69 | 0 | × 0.1852 | 0 | | | | |
| H70 | 0 | × 0.1780 | 0 | | | | |
| H71 | 760 | × 0.1712 | 130 | | | | |
| H72 | 0 | × 0.1646 | 0 | | | | |
| H73 | 0 | × 0.1583 | 0 | | | | |
| H74 | 0 | × 0.1522 | 0 | | | | |
| H75 | 0 | × 0.1463 | 0 | | | | |
| | | | | 合 計 | | | 101,015 |
| | | | | | C = | 101,015 千円 | |

$$B = \sum_{t=1}^{T-1} \frac{t}{T \times (1+i)^t} + \sum_{t=T}^Y \frac{1}{(1+i)^t} \times \frac{(f1-f2) \times \alpha \times A \times U}{360}$$

- U: 治水ダムの単位雨量流出量当たりの年間減価償却費 (円/m³/sec) 3,670,000
出典:「ダム年鑑2014」
- f1: 事業実施前の流出係数

| | | |
|------|---|-----------|
| 浸透能大 | 急 | 要整備森林(疎林) |
|------|---|-----------|

 0.55
出典:「治山設計」(山口伊佐夫著,1979)
- f2: 事業実施後、T年経過後の流出係数

| | | |
|------|---|-------|
| 浸透能大 | 急 | 整備済森林 |
|------|---|-------|

 0.45
出典:「治山設計」(山口伊佐夫著,1979)
- T: 事業実施後、流出係数が安定するのに必要な年数 15
- α: 100年確率時雨量 (mm/h) 56.50
出典: 気象統計情報 (気象庁)
- A: 事業対象区域面積 (ha) 29.70 ~ 29.70
- 360: 単位合わせのための調整値
- Y: 評価期間 80

事業効果面積: 経過年ごとに発生する事業対象区域面積に対して、それぞれ流出係数等の安定する期間 (t/T) を考慮して面積に換算して年度毎に累計した面積

| 年度 | 社会的割引率 | 事業対象区域面積 | 事業効果面積 | 効果額 | 現在価値化 |
|------|--------|----------|--------|-------|-------|
| 2003 | 1.5395 | | | | |
| 2004 | 1.4802 | 29.70 | 1.98 | 114 | 169 |
| 2005 | 1.4233 | 29.70 | 3.96 | 228 | 325 |
| 2006 | 1.3686 | 29.70 | 5.94 | 342 | 468 |
| 2007 | 1.3159 | 29.70 | 7.92 | 456 | 600 |
| 2008 | 1.2653 | 29.70 | 9.90 | 570 | 721 |
| 2009 | 1.2167 | 29.70 | 11.88 | 684 | 832 |
| 2010 | 1.1699 | 29.70 | 13.86 | 798 | 934 |
| 2011 | 1.1249 | 29.70 | 15.84 | 912 | 1,026 |
| 2012 | 1.0816 | 29.70 | 17.82 | 1,026 | 1,110 |
| 2013 | 1.0400 | 29.70 | 19.80 | 1,141 | 1,187 |
| 2014 | 1.0000 | 29.70 | 21.78 | 1,255 | 1,255 |
| 2015 | 0.9615 | 29.70 | 23.76 | 1,369 | 1,316 |
| 2016 | 0.9246 | 29.70 | 25.74 | 1,483 | 1,371 |
| 2017 | 0.8890 | 29.70 | 27.72 | 1,597 | 1,420 |
| 2018 | 0.8548 | 29.70 | 29.70 | 1,711 | 1,463 |
| 2019 | 0.8219 | 29.70 | 29.70 | 1,711 | 1,406 |
| 2020 | 0.7903 | 29.70 | 29.70 | 1,711 | 1,352 |
| 2021 | 0.7599 | 29.70 | 29.70 | 1,711 | 1,300 |
| 2022 | 0.7307 | 29.70 | 29.70 | 1,711 | 1,250 |
| 2023 | 0.7026 | 29.70 | 29.70 | 1,711 | 1,202 |
| 2024 | 0.6756 | 29.70 | 29.70 | 1,711 | 1,156 |
| 2025 | 0.6496 | 29.70 | 29.70 | 1,711 | 1,111 |
| 2026 | 0.6246 | 29.70 | 29.70 | 1,711 | 1,069 |
| 2027 | 0.6006 | 29.70 | 29.70 | 1,711 | 1,028 |
| 2028 | 0.5775 | 29.70 | 29.70 | 1,711 | 988 |
| 2029 | 0.5553 | 29.70 | 29.70 | 1,711 | 950 |
| 2030 | 0.5339 | 29.70 | 29.70 | 1,711 | 914 |
| 2031 | 0.5134 | 29.70 | 29.70 | 1,711 | 878 |
| 2032 | 0.4936 | 29.70 | 29.70 | 1,711 | 845 |
| 2033 | 0.4746 | 29.70 | 29.70 | 1,711 | 812 |
| 2034 | 0.4564 | 29.70 | 29.70 | 1,711 | 781 |
| 2035 | 0.4388 | 29.70 | 29.70 | 1,711 | 751 |
| 2036 | 0.4220 | 29.70 | 29.70 | 1,711 | 722 |
| 2037 | 0.4057 | 29.70 | 29.70 | 1,711 | 694 |
| 2038 | 0.3901 | 29.70 | 29.70 | 1,711 | 667 |
| 2039 | 0.3751 | 29.70 | 29.70 | 1,711 | 642 |
| 2040 | 0.3607 | 29.70 | 29.70 | 1,711 | 617 |
| 2041 | 0.3468 | 29.70 | 29.70 | 1,711 | 593 |
| 2042 | 0.3335 | 29.70 | 29.70 | 1,711 | 571 |
| 2043 | 0.3207 | 29.70 | 29.70 | 1,711 | 549 |
| 2044 | 0.3083 | 29.70 | 29.70 | 1,711 | 528 |
| 2045 | 0.2965 | 29.70 | 29.70 | 1,711 | 507 |
| 2046 | 0.2851 | 29.70 | 29.70 | 1,711 | 488 |
| 2047 | 0.2741 | 29.70 | 29.70 | 1,711 | 469 |
| 2048 | 0.2636 | 29.70 | 29.70 | 1,711 | 451 |
| 2049 | 0.2534 | 29.70 | 29.70 | 1,711 | 434 |
| 2050 | 0.2437 | 29.70 | 29.70 | 1,711 | 417 |
| 2051 | 0.2343 | 29.70 | 29.70 | 1,711 | 401 |
| 2052 | 0.2253 | 29.70 | 29.70 | 1,711 | 385 |
| 2053 | 0.2166 | 29.70 | 29.70 | 1,711 | 371 |
| 2054 | 0.2083 | 29.70 | 29.70 | 1,711 | 356 |
| 2055 | 0.2003 | 29.70 | 29.70 | 1,711 | 343 |
| 2056 | 0.1926 | 29.70 | 29.70 | 1,711 | 330 |
| 2057 | 0.1852 | 29.70 | 29.70 | 1,711 | 317 |
| 2058 | 0.1780 | 29.70 | 29.70 | 1,711 | 305 |
| 2059 | 0.1712 | 29.70 | 29.70 | 1,711 | 293 |
| 2060 | 0.1646 | 29.70 | 29.70 | 1,711 | 282 |
| 2061 | 0.1583 | 29.70 | 29.70 | 1,711 | 271 |
| 2062 | 0.1522 | 29.70 | 29.70 | 1,711 | 260 |
| 2063 | 0.1463 | 29.70 | 29.70 | 1,711 | 250 |

| | | | | | |
|------|--------|-------|-------|-------|--------|
| 2064 | 0.1407 | 29.70 | 29.70 | 1,711 | 241 |
| 2065 | 0.1353 | 29.70 | 29.70 | 1,711 | 231 |
| 2066 | 0.1301 | 29.70 | 29.70 | 1,711 | 223 |
| 2067 | 0.1251 | 29.70 | 29.70 | 1,711 | 214 |
| 2068 | 0.1203 | 29.70 | 29.70 | 1,711 | 206 |
| 2069 | 0.1157 | 29.70 | 29.70 | 1,711 | 198 |
| 2070 | 0.1112 | 29.70 | 29.70 | 1,711 | 190 |
| 2071 | 0.1069 | 29.70 | 29.70 | 1,711 | 183 |
| 2072 | 0.1028 | 29.70 | 29.70 | 1,711 | 176 |
| 2073 | 0.0989 | 29.70 | 29.70 | 1,711 | 169 |
| 2074 | 0.0951 | 29.70 | 29.70 | 1,711 | 163 |
| 2075 | 0.0914 | 29.70 | 29.70 | 1,711 | 156 |
| 2076 | 0.0879 | 29.70 | 29.70 | 1,711 | 150 |
| 2077 | 0.0845 | 29.70 | 29.70 | 1,711 | 145 |
| 2078 | 0.0813 | 29.70 | 29.70 | 1,711 | 139 |
| 2079 | 0.0781 | 29.70 | 29.70 | 1,711 | 134 |
| 2080 | 0.0751 | 29.70 | 29.70 | 1,711 | 128 |
| 2081 | 0.0722 | 29.70 | 29.70 | 1,711 | 124 |
| 2082 | 0.0695 | 29.70 | 29.70 | 1,711 | 119 |
| 2083 | 0.0668 | 29.70 | 29.70 | 1,711 | 114 |
| 合計 | | | | | 47,906 |

$$B = \left[\sum_{t=1}^{T-1} \frac{t}{T \times (1+i)^t} + \sum_{t=T}^Y \frac{1}{(1+i)^t} \right] \times \frac{(D2-D1) \times A \times P \times U \times 10}{365 \times 86400}$$

| | | |
|--------|--|---------------|
| A: | 事業対象区域面積 (ha) | 29.70 ~ 29.70 |
| P: | 年間平均降雨量 (mm/年) 出典: 気象統計情報 (気象庁) | 1,139 |
| D1: | 事業実施前の貯留率 出典: 「森林の間伐と水収支」(近嵐ら、1987) | 0.51 |
| D2: | 事業実施後、T年経過後の貯留率 出典: 「森林の間伐と水収支」(近嵐ら、1987) | 0.56 |
| T: | 事業実施後、流出係数が安定するのに必要な年数 | 15 |
| U: | 開発流量当りの利水ダム年間減価償却費 (円/m ³ /S) 出典: 「ダム年鑑2014」 | 1,038,000,000 |
| Y: | 評価期間 | 80 |
| 10: | 単位合わせのための調整値 | 10 |
| 365: | 1年間の日数 | 365 |
| 86400: | 1日の秒数 | 86,400 |

事業効果面積: 経過年ごとに発生する事業対象区域面積に対して、それぞれ流出係数等の安定する期間 (t/T) を考慮して面積に換算して年度毎に累計した面積

| 年度 | 社会的割引率 | 事業対象区域面積 | 事業効果面積 | 効果額 | 現在価値化 |
|-------|--------|----------|--------|-----|-------|
| 2.003 | 1.5395 | | | | |
| 2.004 | 1.4802 | 29.70 | 1.98 | 37 | 55 |
| 2.005 | 1.4233 | 29.70 | 3.96 | 74 | 105 |
| 2.006 | 1.3686 | 29.70 | 5.94 | 111 | 152 |
| 2.007 | 1.3159 | 29.70 | 7.92 | 148 | 195 |
| 2.008 | 1.2653 | 29.70 | 9.90 | 186 | 235 |
| 2.009 | 1.2167 | 29.70 | 11.88 | 223 | 271 |
| 2.010 | 1.1699 | 29.70 | 13.86 | 260 | 304 |
| 2.011 | 1.1249 | 29.70 | 15.84 | 297 | 334 |
| 2.012 | 1.0816 | 29.70 | 17.82 | 334 | 361 |
| 2.013 | 1.0400 | 29.70 | 19.80 | 371 | 386 |
| 2.014 | 1.0000 | 29.70 | 21.78 | 408 | 408 |
| 2.015 | 0.9615 | 29.70 | 23.76 | 445 | 428 |
| 2.016 | 0.9246 | 29.70 | 25.74 | 482 | 446 |
| 2.017 | 0.8890 | 29.70 | 27.72 | 519 | 461 |
| 2.018 | 0.8548 | 29.70 | 29.70 | 557 | 476 |
| 2.019 | 0.8219 | 29.70 | 29.70 | 557 | 458 |
| 2.020 | 0.7903 | 29.70 | 29.70 | 557 | 440 |
| 2.021 | 0.7599 | 29.70 | 29.70 | 557 | 423 |
| 2.022 | 0.7307 | 29.70 | 29.70 | 557 | 407 |
| 2.023 | 0.7026 | 29.70 | 29.70 | 557 | 391 |
| 2.024 | 0.6756 | 29.70 | 29.70 | 557 | 376 |
| 2.025 | 0.6496 | 29.70 | 29.70 | 557 | 362 |
| 2.026 | 0.6246 | 29.70 | 29.70 | 557 | 348 |
| 2.027 | 0.6006 | 29.70 | 29.70 | 557 | 335 |
| 2.028 | 0.5775 | 29.70 | 29.70 | 557 | 322 |
| 2.029 | 0.5553 | 29.70 | 29.70 | 557 | 309 |
| 2.030 | 0.5339 | 29.70 | 29.70 | 557 | 297 |
| 2.031 | 0.5134 | 29.70 | 29.70 | 557 | 286 |
| 2.032 | 0.4936 | 29.70 | 29.70 | 557 | 275 |
| 2.033 | 0.4746 | 29.70 | 29.70 | 557 | 264 |
| 2.034 | 0.4564 | 29.70 | 29.70 | 557 | 254 |
| 2.035 | 0.4388 | 29.70 | 29.70 | 557 | 244 |
| 2.036 | 0.4220 | 29.70 | 29.70 | 557 | 235 |
| 2.037 | 0.4057 | 29.70 | 29.70 | 557 | 226 |
| 2.038 | 0.3901 | 29.70 | 29.70 | 557 | 217 |
| 2.039 | 0.3751 | 29.70 | 29.70 | 557 | 209 |
| 2.040 | 0.3607 | 29.70 | 29.70 | 557 | 201 |
| 2.041 | 0.3468 | 29.70 | 29.70 | 557 | 193 |
| 2.042 | 0.3335 | 29.70 | 29.70 | 557 | 186 |
| 2.043 | 0.3207 | 29.70 | 29.70 | 557 | 179 |
| 2.044 | 0.3083 | 29.70 | 29.70 | 557 | 172 |
| 2.045 | 0.2965 | 29.70 | 29.70 | 557 | 165 |
| 2.046 | 0.2851 | 29.70 | 29.70 | 557 | 159 |
| 2.047 | 0.2741 | 29.70 | 29.70 | 557 | 153 |
| 2.048 | 0.2636 | 29.70 | 29.70 | 557 | 147 |
| 2.049 | 0.2534 | 29.70 | 29.70 | 557 | 141 |
| 2.050 | 0.2437 | 29.70 | 29.70 | 557 | 136 |
| 2.051 | 0.2343 | 29.70 | 29.70 | 557 | 131 |
| 2.052 | 0.2253 | 29.70 | 29.70 | 557 | 125 |
| 2.053 | 0.2166 | 29.70 | 29.70 | 557 | 121 |
| 2.054 | 0.2083 | 29.70 | 29.70 | 557 | 116 |
| 2.055 | 0.2003 | 29.70 | 29.70 | 557 | 112 |
| 2.056 | 0.1926 | 29.70 | 29.70 | 557 | 107 |
| 2.057 | 0.1852 | 29.70 | 29.70 | 557 | 103 |
| 2.058 | 0.1780 | 29.70 | 29.70 | 557 | 99 |
| 2.059 | 0.1712 | 29.70 | 29.70 | 557 | 95 |

| | | | | | |
|-------|--------|-------|-------|-----|--------|
| 2.060 | 0.1646 | 29.70 | 29.70 | 557 | 92 |
| 2.061 | 0.1583 | 29.70 | 29.70 | 557 | 88 |
| 2.062 | 0.1522 | 29.70 | 29.70 | 557 | 85 |
| 2.063 | 0.1463 | 29.70 | 29.70 | 557 | 81 |
| 2.064 | 0.1407 | 29.70 | 29.70 | 557 | 78 |
| 2.065 | 0.1353 | 29.70 | 29.70 | 557 | 75 |
| 2.066 | 0.1301 | 29.70 | 29.70 | 557 | 72 |
| 2.067 | 0.1251 | 29.70 | 29.70 | 557 | 70 |
| 2.068 | 0.1203 | 29.70 | 29.70 | 557 | 67 |
| 2.069 | 0.1157 | 29.70 | 29.70 | 557 | 64 |
| 2.070 | 0.1112 | 29.70 | 29.70 | 557 | 62 |
| 2.071 | 0.1069 | 29.70 | 29.70 | 557 | 60 |
| 2.072 | 0.1028 | 29.70 | 29.70 | 557 | 57 |
| 2.073 | 0.0989 | 29.70 | 29.70 | 557 | 55 |
| 2.074 | 0.0951 | 29.70 | 29.70 | 557 | 53 |
| 2.075 | 0.0914 | 29.70 | 29.70 | 557 | 51 |
| 2.076 | 0.0879 | 29.70 | 29.70 | 557 | 49 |
| 2.077 | 0.0845 | 29.70 | 29.70 | 557 | 47 |
| 2.078 | 0.0813 | 29.70 | 29.70 | 557 | 45 |
| 2.079 | 0.0781 | 29.70 | 29.70 | 557 | 44 |
| 2.080 | 0.0751 | 29.70 | 29.70 | 557 | 42 |
| 2.081 | 0.0722 | 29.70 | 29.70 | 557 | 40 |
| 2.082 | 0.0695 | 29.70 | 29.70 | 557 | 39 |
| 2.083 | 0.0668 | 29.70 | 29.70 | 557 | 37 |
| 合計 | | | | | 15,589 |

$$B = \left[\sum_{t=1}^{T-1} \frac{t}{T \times (1+i)^t} + \sum_{t=T}^Y \frac{1}{(1+i)^t} \right] \times (D2-D1) \times A \times P \times u \times 10$$

$$u = \frac{U_x \times Q_x + U_y \times Q_y}{Q_x + Q_y}$$

- Qx: 全貯留量のうち生活用水使用相当量 6.20 億
出典:「日本の水資源(平成25年度版)」(国土交通省)
- Qy: 全貯留量 - Qx 234.24 億
- A: 事業対象区域面積 (ha) 29.70 ~ 29.70
- P: 年間平均降雨量 (mm/年) 1,139
出典: 気象統計情報 (気象庁)
- T: 事業実施後、貯留率が安定するのに必要な年数 15
- D1: 事業実施前の貯留率 0.51
出典:「森林の間伐と水収支」(近嵐ら, 1987)
- D2: 事業実施後、T年経過後の貯留率 0.56
出典:「森林の間伐と水収支」(近嵐ら, 1987)
- Ux: 単位当たりの上水道供給単価 (円/m3) 236.86
出典:「地方公営企業年鑑(平成24年度版)」(総務省)等
- Uy: 単位当たりの雨水浄化費 (円/m3) 68.60
出典:「地球環境・人間生活にかかる農業及び森林の多面的な機能の評価に関する調査研究報告書」(三菱総合研究所,H13.11)「雨水利用ハンドブック」
- u: 単位当たりの水質浄化費 (Ux と Uy を用いて Qx と Qy で比例按分して算出) 72.94
- Y: 評価期間 80
- 10: 単位合わせのための調整値

事業効果面積: 経過年ごとに発生する事業対象区域面積に対して、それぞれ流出係数等の安定する期間 (t/T) を考慮して面積に換算して年度毎に累計した面積

| 年度 | 社会的割引率 | 事業対象区域面積 | 事業効果面積 | 効果額 | 現在価値化 |
|------|--------|----------|--------|-------|-------|
| 2003 | 1.5395 | | | | |
| 2004 | 1.4802 | 29.70 | 1.98 | 82 | 121 |
| 2005 | 1.4233 | 29.70 | 3.96 | 164 | 233 |
| 2006 | 1.3686 | 29.70 | 5.94 | 247 | 338 |
| 2007 | 1.3159 | 29.70 | 7.92 | 329 | 433 |
| 2008 | 1.2653 | 29.70 | 9.90 | 411 | 520 |
| 2009 | 1.2167 | 29.70 | 11.88 | 493 | 600 |
| 2010 | 1.1699 | 29.70 | 13.86 | 576 | 674 |
| 2011 | 1.1249 | 29.70 | 15.84 | 658 | 740 |
| 2012 | 1.0816 | 29.70 | 17.82 | 740 | 800 |
| 2013 | 1.0400 | 29.70 | 19.80 | 822 | 855 |
| 2014 | 1.0000 | 29.70 | 21.78 | 904 | 904 |
| 2015 | 0.9615 | 29.70 | 23.76 | 987 | 949 |
| 2016 | 0.9246 | 29.70 | 25.74 | 1,069 | 988 |
| 2017 | 0.8890 | 29.70 | 27.72 | 1,151 | 1,023 |
| 2018 | 0.8548 | 29.70 | 29.70 | 1,233 | 1,054 |
| 2019 | 0.8219 | 29.70 | 29.70 | 1,233 | 1,013 |
| 2020 | 0.7903 | 29.70 | 29.70 | 1,233 | 974 |
| 2021 | 0.7599 | 29.70 | 29.70 | 1,233 | 937 |
| 2022 | 0.7307 | 29.70 | 29.70 | 1,233 | 901 |
| 2023 | 0.7026 | 29.70 | 29.70 | 1,233 | 866 |
| 2024 | 0.6756 | 29.70 | 29.70 | 1,233 | 833 |
| 2025 | 0.6496 | 29.70 | 29.70 | 1,233 | 801 |
| 2026 | 0.6246 | 29.70 | 29.70 | 1,233 | 770 |
| 2027 | 0.6006 | 29.70 | 29.70 | 1,233 | 741 |
| 2028 | 0.5775 | 29.70 | 29.70 | 1,233 | 712 |
| 2029 | 0.5553 | 29.70 | 29.70 | 1,233 | 685 |
| 2030 | 0.5339 | 29.70 | 29.70 | 1,233 | 658 |
| 2031 | 0.5134 | 29.70 | 29.70 | 1,233 | 633 |
| 2032 | 0.4936 | 29.70 | 29.70 | 1,233 | 609 |
| 2033 | 0.4746 | 29.70 | 29.70 | 1,233 | 585 |
| 2034 | 0.4564 | 29.70 | 29.70 | 1,233 | 563 |
| 2035 | 0.4388 | 29.70 | 29.70 | 1,233 | 541 |
| 2036 | 0.4220 | 29.70 | 29.70 | 1,233 | 520 |
| 2037 | 0.4057 | 29.70 | 29.70 | 1,233 | 500 |
| 2038 | 0.3901 | 29.70 | 29.70 | 1,233 | 481 |
| 2039 | 0.3751 | 29.70 | 29.70 | 1,233 | 462 |
| 2040 | 0.3607 | 29.70 | 29.70 | 1,233 | 445 |
| 2041 | 0.3468 | 29.70 | 29.70 | 1,233 | 428 |
| 2042 | 0.3335 | 29.70 | 29.70 | 1,233 | 411 |
| 2043 | 0.3207 | 29.70 | 29.70 | 1,233 | 395 |
| 2044 | 0.3083 | 29.70 | 29.70 | 1,233 | 380 |
| 2045 | 0.2965 | 29.70 | 29.70 | 1,233 | 366 |
| 2046 | 0.2851 | 29.70 | 29.70 | 1,233 | 352 |
| 2047 | 0.2741 | 29.70 | 29.70 | 1,233 | 338 |
| 2048 | 0.2636 | 29.70 | 29.70 | 1,233 | 325 |
| 2049 | 0.2534 | 29.70 | 29.70 | 1,233 | 312 |
| 2050 | 0.2437 | 29.70 | 29.70 | 1,233 | 300 |
| 2051 | 0.2343 | 29.70 | 29.70 | 1,233 | 289 |

| | | | | | |
|------|--------|-------|-------|-------|--------|
| 2052 | 0.2253 | 29.70 | 29.70 | 1,233 | 278 |
| 2053 | 0.2166 | 29.70 | 29.70 | 1,233 | 267 |
| 2054 | 0.2083 | 29.70 | 29.70 | 1,233 | 257 |
| 2055 | 0.2003 | 29.70 | 29.70 | 1,233 | 247 |
| 2056 | 0.1926 | 29.70 | 29.70 | 1,233 | 237 |
| 2057 | 0.1852 | 29.70 | 29.70 | 1,233 | 228 |
| 2058 | 0.1780 | 29.70 | 29.70 | 1,233 | 219 |
| 2059 | 0.1712 | 29.70 | 29.70 | 1,233 | 211 |
| 2060 | 0.1646 | 29.70 | 29.70 | 1,233 | 203 |
| 2061 | 0.1583 | 29.70 | 29.70 | 1,233 | 195 |
| 2062 | 0.1522 | 29.70 | 29.70 | 1,233 | 188 |
| 2063 | 0.1463 | 29.70 | 29.70 | 1,233 | 180 |
| 2064 | 0.1407 | 29.70 | 29.70 | 1,233 | 173 |
| 2065 | 0.1353 | 29.70 | 29.70 | 1,233 | 167 |
| 2066 | 0.1301 | 29.70 | 29.70 | 1,233 | 160 |
| 2067 | 0.1251 | 29.70 | 29.70 | 1,233 | 154 |
| 2068 | 0.1203 | 29.70 | 29.70 | 1,233 | 148 |
| 2069 | 0.1157 | 29.70 | 29.70 | 1,233 | 143 |
| 2070 | 0.1112 | 29.70 | 29.70 | 1,233 | 137 |
| 2071 | 0.1069 | 29.70 | 29.70 | 1,233 | 132 |
| 2072 | 0.1028 | 29.70 | 29.70 | 1,233 | 127 |
| 2073 | 0.0989 | 29.70 | 29.70 | 1,233 | 122 |
| 2074 | 0.0951 | 29.70 | 29.70 | 1,233 | 117 |
| 2075 | 0.0914 | 29.70 | 29.70 | 1,233 | 113 |
| 2076 | 0.0879 | 29.70 | 29.70 | 1,233 | 108 |
| 2077 | 0.0845 | 29.70 | 29.70 | 1,233 | 104 |
| 2078 | 0.0813 | 29.70 | 29.70 | 1,233 | 100 |
| 2079 | 0.0781 | 29.70 | 29.70 | 1,233 | 96 |
| 2080 | 0.0751 | 29.70 | 29.70 | 1,233 | 93 |
| 2081 | 0.0722 | 29.70 | 29.70 | 1,233 | 89 |
| 2082 | 0.0695 | 29.70 | 29.70 | 1,233 | 86 |
| 2083 | 0.0668 | 29.70 | 29.70 | 1,233 | 82 |
| 合計 | | | | | 34,519 |

$$B = \sum_{t=1}^{T-1} \frac{t}{T \times (1+i)^t} + \sum_{t=T}^Y \frac{1}{(1+i)^t} \times \frac{(V1-V2) \times A \times U}{1.0}$$

- U: 1m3の土砂を保全するために要する単位当たりの砂防ダム建設コスト(円/m3) 5,600
出典:「砂防便覧」平成20年版
- V1: 事業実施前における1ha当りの年間浸食土砂量(m3)

| | |
|-----|--|
| 荒地等 | |
|-----|--|

 20.00
出典:「治山全体調査の考え方進め方」

| | |
|-------------------|--------|
| 森林の公益的機能に関する文献要約集 | 「森林水文」 |
|-------------------|--------|
- V2: 事業実施後における1ha当りの年間浸食土砂量(m3)

| | |
|-------|--|
| 整備済森林 | |
|-------|--|

 1.30
出典:「治山全体調査の考え方進め方」

| | |
|-------------------|--------|
| 森林の公益的機能に関する文献要約集 | 「森林水文」 |
|-------------------|--------|
- A: 事業対象区域面積(ha) 29.70 ~ 29.70
- T: 事業実施後、流出係数が安定するのに必要な年数 15
- Y: 評価期間 80

事業効果面積: 経過年ごとに発生する事業対象区域面積に対して、それぞれ流出係数等の安定する期間(t/T)を考慮して面積に換算して年度毎に累計した面積

| 年度 | 社会的割引率 | 事業対象区域面積 | 事業効果面積 | 効果額 | 現在価値化 |
|------|--------|----------|--------|-------|-------|
| 2003 | 1.5395 | | | | |
| 2004 | 1.4802 | 29.70 | 1.98 | 207 | 306 |
| 2005 | 1.4233 | 29.70 | 3.96 | 415 | 591 |
| 2006 | 1.3686 | 29.70 | 5.94 | 622 | 851 |
| 2007 | 1.3159 | 29.70 | 7.92 | 829 | 1,091 |
| 2008 | 1.2653 | 29.70 | 9.90 | 1,037 | 1,312 |
| 2009 | 1.2167 | 29.70 | 11.88 | 1,244 | 1,514 |
| 2010 | 1.1699 | 29.70 | 13.86 | 1,451 | 1,698 |
| 2011 | 1.1249 | 29.70 | 15.84 | 1,659 | 1,866 |
| 2012 | 1.0816 | 29.70 | 17.82 | 1,866 | 2,018 |
| 2013 | 1.0400 | 29.70 | 19.80 | 2,073 | 2,156 |
| 2014 | 1.0000 | 29.70 | 21.78 | 2,281 | 2,281 |
| 2015 | 0.9615 | 29.70 | 23.76 | 2,488 | 2,392 |
| 2016 | 0.9246 | 29.70 | 25.74 | 2,695 | 2,492 |
| 2017 | 0.8890 | 29.70 | 27.72 | 2,903 | 2,581 |
| 2018 | 0.8548 | 29.70 | 29.70 | 3,110 | 2,658 |
| 2019 | 0.8219 | 29.70 | 29.70 | 3,110 | 2,556 |
| 2020 | 0.7903 | 29.70 | 29.70 | 3,110 | 2,458 |
| 2021 | 0.7599 | 29.70 | 29.70 | 3,110 | 2,363 |
| 2022 | 0.7307 | 29.70 | 29.70 | 3,110 | 2,272 |
| 2023 | 0.7026 | 29.70 | 29.70 | 3,110 | 2,185 |
| 2024 | 0.6756 | 29.70 | 29.70 | 3,110 | 2,101 |
| 2025 | 0.6496 | 29.70 | 29.70 | 3,110 | 2,020 |
| 2026 | 0.6246 | 29.70 | 29.70 | 3,110 | 1,943 |
| 2027 | 0.6006 | 29.70 | 29.70 | 3,110 | 1,868 |
| 2028 | 0.5775 | 29.70 | 29.70 | 3,110 | 1,796 |
| 2029 | 0.5553 | 29.70 | 29.70 | 3,110 | 1,727 |
| 2030 | 0.5339 | 29.70 | 29.70 | 3,110 | 1,660 |
| 2031 | 0.5134 | 29.70 | 29.70 | 3,110 | 1,597 |
| 2032 | 0.4936 | 29.70 | 29.70 | 3,110 | 1,535 |
| 2033 | 0.4746 | 29.70 | 29.70 | 3,110 | 1,476 |
| 2034 | 0.4564 | 29.70 | 29.70 | 3,110 | 1,419 |
| 2035 | 0.4388 | 29.70 | 29.70 | 3,110 | 1,365 |
| 2036 | 0.4220 | 29.70 | 29.70 | 3,110 | 1,312 |
| 2037 | 0.4057 | 29.70 | 29.70 | 3,110 | 1,262 |
| 2038 | 0.3901 | 29.70 | 29.70 | 3,110 | 1,213 |
| 2039 | 0.3751 | 29.70 | 29.70 | 3,110 | 1,167 |
| 2040 | 0.3607 | 29.70 | 29.70 | 3,110 | 1,122 |
| 2041 | 0.3468 | 29.70 | 29.70 | 3,110 | 1,079 |
| 2042 | 0.3335 | 29.70 | 29.70 | 3,110 | 1,037 |
| 2043 | 0.3207 | 29.70 | 29.70 | 3,110 | 997 |
| 2044 | 0.3083 | 29.70 | 29.70 | 3,110 | 959 |
| 2045 | 0.2965 | 29.70 | 29.70 | 3,110 | 922 |
| 2046 | 0.2851 | 29.70 | 29.70 | 3,110 | 887 |
| 2047 | 0.2741 | 29.70 | 29.70 | 3,110 | 852 |
| 2048 | 0.2636 | 29.70 | 29.70 | 3,110 | 820 |
| 2049 | 0.2534 | 29.70 | 29.70 | 3,110 | 788 |
| 2050 | 0.2437 | 29.70 | 29.70 | 3,110 | 758 |
| 2051 | 0.2343 | 29.70 | 29.70 | 3,110 | 729 |
| 2052 | 0.2253 | 29.70 | 29.70 | 3,110 | 701 |
| 2053 | 0.2166 | 29.70 | 29.70 | 3,110 | 674 |
| 2054 | 0.2083 | 29.70 | 29.70 | 3,110 | 648 |
| 2055 | 0.2003 | 29.70 | 29.70 | 3,110 | 623 |
| 2056 | 0.1926 | 29.70 | 29.70 | 3,110 | 599 |
| 2057 | 0.1852 | 29.70 | 29.70 | 3,110 | 576 |
| 2058 | 0.1780 | 29.70 | 29.70 | 3,110 | 554 |
| 2059 | 0.1712 | 29.70 | 29.70 | 3,110 | 532 |
| 2060 | 0.1646 | 29.70 | 29.70 | 3,110 | 512 |
| 2061 | 0.1583 | 29.70 | 29.70 | 3,110 | 492 |
| 2062 | 0.1522 | 29.70 | 29.70 | 3,110 | 473 |
| 2063 | 0.1463 | 29.70 | 29.70 | 3,110 | 455 |
| 2064 | 0.1407 | 29.70 | 29.70 | 3,110 | 438 |
| 2065 | 0.1353 | 29.70 | 29.70 | 3,110 | 421 |
| 2066 | 0.1301 | 29.70 | 29.70 | 3,110 | 405 |
| 2067 | 0.1251 | 29.70 | 29.70 | 3,110 | 389 |

| | | | | | |
|------|--------|-------|-------|-------|--------|
| 2068 | 0.1203 | 29.70 | 29.70 | 3,110 | 374 |
| 2069 | 0.1157 | 29.70 | 29.70 | 3,110 | 360 |
| 2070 | 0.1112 | 29.70 | 29.70 | 3,110 | 346 |
| 2071 | 0.1069 | 29.70 | 29.70 | 3,110 | 332 |
| 2072 | 0.1028 | 29.70 | 29.70 | 3,110 | 320 |
| 2073 | 0.0989 | 29.70 | 29.70 | 3,110 | 308 |
| 2074 | 0.0951 | 29.70 | 29.70 | 3,110 | 296 |
| 2075 | 0.0914 | 29.70 | 29.70 | 3,110 | 284 |
| 2076 | 0.0879 | 29.70 | 29.70 | 3,110 | 273 |
| 2077 | 0.0845 | 29.70 | 29.70 | 3,110 | 263 |
| 2078 | 0.0813 | 29.70 | 29.70 | 3,110 | 253 |
| 2079 | 0.0781 | 29.70 | 29.70 | 3,110 | 243 |
| 2080 | 0.0751 | 29.70 | 29.70 | 3,110 | 234 |
| 2081 | 0.0722 | 29.70 | 29.70 | 3,110 | 225 |
| 2082 | 0.0695 | 29.70 | 29.70 | 3,110 | 216 |
| 2083 | 0.0668 | 29.70 | 29.70 | 3,110 | 208 |
| 合計 | | | | | 87,079 |

$$B = \sum_{t=11}^Y \frac{V \times U}{(1+i)^t}$$

$$V = 0.01 \times A \times R \times N \times H \times 10,000$$

- U: 1m3の土砂を保全するために要する単位当たりの砂防ダム建設コスト(円/m3) 5,600
出典:「砂防便覧」平成20年版
- V: 崩壊見込み量(m3/年) 0.00 ~ 3.93
- A: 事業対象区域面積(ha) 29.70 ~ 29.70
- R: 流域内崩壊率 0.0018
出典:「治山全体調査」S42からS46
- N: 雨量比=50年確率日雨量/既往最大日雨量 0.8165
出典:気象統計情報(気象庁)
- H: 平均崩壊深(m) 0.9
出典:都道府県等への聞き取り
- Y: 評価期間 80
- 10,000: 単位合わせのための調整値

| 年度 | 社会的割引率 | 事業対象区域面積 | 崩壊見込み量 | 効果額 | 現在価値化 |
|------|--------|----------|--------|-----|-------|
| 2003 | 1.5395 | | | | |
| 2004 | 1.4802 | 29.70 | 0.00 | 0 | 0 |
| 2005 | 1.4233 | 29.70 | 0.00 | 0 | 0 |
| 2006 | 1.3686 | 29.70 | 0.00 | 0 | 0 |
| 2007 | 1.3159 | 29.70 | 0.00 | 0 | 0 |
| 2008 | 1.2653 | 29.70 | 0.00 | 0 | 0 |
| 2009 | 1.2167 | 29.70 | 0.00 | 0 | 0 |
| 2010 | 1.1699 | 29.70 | 0.00 | 0 | 0 |
| 2011 | 1.1249 | 29.70 | 0.00 | 0 | 0 |
| 2012 | 1.0816 | 29.70 | 0.00 | 0 | 0 |
| 2013 | 1.0400 | 29.70 | 0.00 | 0 | 0 |
| 2014 | 1.0000 | 29.70 | 3.93 | 22 | 22 |
| 2015 | 0.9615 | 29.70 | 3.93 | 22 | 21 |
| 2016 | 0.9246 | 29.70 | 3.93 | 22 | 20 |
| 2017 | 0.8890 | 29.70 | 3.93 | 22 | 20 |
| 2018 | 0.8548 | 29.70 | 3.93 | 22 | 19 |
| 2019 | 0.8219 | 29.70 | 3.93 | 22 | 18 |
| 2020 | 0.7903 | 29.70 | 3.93 | 22 | 17 |
| 2021 | 0.7599 | 29.70 | 3.93 | 22 | 17 |
| 2022 | 0.7307 | 29.70 | 3.93 | 22 | 16 |
| 2023 | 0.7026 | 29.70 | 3.93 | 22 | 15 |
| 2024 | 0.6756 | 29.70 | 3.93 | 22 | 15 |
| 2025 | 0.6496 | 29.70 | 3.93 | 22 | 14 |
| 2026 | 0.6246 | 29.70 | 3.93 | 22 | 14 |
| 2027 | 0.6006 | 29.70 | 3.93 | 22 | 13 |
| 2028 | 0.5775 | 29.70 | 3.93 | 22 | 13 |
| 2029 | 0.5553 | 29.70 | 3.93 | 22 | 12 |
| 2030 | 0.5339 | 29.70 | 3.93 | 22 | 12 |
| 2031 | 0.5134 | 29.70 | 3.93 | 22 | 11 |
| 2032 | 0.4936 | 29.70 | 3.93 | 22 | 11 |
| 2033 | 0.4746 | 29.70 | 3.93 | 22 | 10 |
| 2034 | 0.4564 | 29.70 | 3.93 | 22 | 10 |
| 2035 | 0.4388 | 29.70 | 3.93 | 22 | 10 |
| 2036 | 0.4220 | 29.70 | 3.93 | 22 | 9 |
| 2037 | 0.4057 | 29.70 | 3.93 | 22 | 9 |
| 2038 | 0.3901 | 29.70 | 3.93 | 22 | 9 |
| 2039 | 0.3751 | 29.70 | 3.93 | 22 | 8 |
| 2040 | 0.3607 | 29.70 | 3.93 | 22 | 8 |
| 2041 | 0.3468 | 29.70 | 3.93 | 22 | 8 |
| 2042 | 0.3335 | 29.70 | 3.93 | 22 | 7 |
| 2043 | 0.3207 | 29.70 | 3.93 | 22 | 7 |
| 2044 | 0.3083 | 29.70 | 3.93 | 22 | 7 |
| 2045 | 0.2965 | 29.70 | 3.93 | 22 | 7 |
| 2046 | 0.2851 | 29.70 | 3.93 | 22 | 6 |
| 2047 | 0.2741 | 29.70 | 3.93 | 22 | 6 |
| 2048 | 0.2636 | 29.70 | 3.93 | 22 | 6 |
| 2049 | 0.2534 | 29.70 | 3.93 | 22 | 6 |
| 2050 | 0.2437 | 29.70 | 3.93 | 22 | 5 |
| 2051 | 0.2343 | 29.70 | 3.93 | 22 | 5 |
| 2052 | 0.2253 | 29.70 | 3.93 | 22 | 5 |
| 2053 | 0.2166 | 29.70 | 3.93 | 22 | 5 |
| 2054 | 0.2083 | 29.70 | 3.93 | 22 | 5 |
| 2055 | 0.2003 | 29.70 | 3.93 | 22 | 4 |
| 2056 | 0.1926 | 29.70 | 3.93 | 22 | 4 |
| 2057 | 0.1852 | 29.70 | 3.93 | 22 | 4 |
| 2058 | 0.1780 | 29.70 | 3.93 | 22 | 4 |
| 2059 | 0.1712 | 29.70 | 3.93 | 22 | 4 |
| 2060 | 0.1646 | 29.70 | 3.93 | 22 | 4 |
| 2061 | 0.1583 | 29.70 | 3.93 | 22 | 3 |

| | | | | | |
|------|--------|-------|------|----|-----|
| 2062 | 0.1522 | 29.70 | 3.93 | 22 | 3 |
| 2063 | 0.1463 | 29.70 | 3.93 | 22 | 3 |
| 2064 | 0.1407 | 29.70 | 3.93 | 22 | 3 |
| 2065 | 0.1353 | 29.70 | 3.93 | 22 | 3 |
| 2066 | 0.1301 | 29.70 | 3.93 | 22 | 3 |
| 2067 | 0.1251 | 29.70 | 3.93 | 22 | 3 |
| 2068 | 0.1203 | 29.70 | 3.93 | 22 | 3 |
| 2069 | 0.1157 | 29.70 | 3.93 | 22 | 3 |
| 2070 | 0.1112 | 29.70 | 3.93 | 22 | 2 |
| 2071 | 0.1069 | 29.70 | 3.93 | 22 | 2 |
| 2072 | 0.1028 | 29.70 | 3.93 | 22 | 2 |
| 2073 | 0.0989 | 29.70 | 3.93 | 22 | 2 |
| 2074 | 0.0951 | 29.70 | 3.93 | 22 | 2 |
| 2075 | 0.0914 | 29.70 | 3.93 | 22 | 2 |
| 2076 | 0.0879 | 29.70 | 3.93 | 22 | 2 |
| 2077 | 0.0845 | 29.70 | 3.93 | 22 | 2 |
| 2078 | 0.0813 | 29.70 | 3.93 | 22 | 2 |
| 2079 | 0.0781 | 29.70 | 3.93 | 22 | 2 |
| 2080 | 0.0751 | 29.70 | 3.93 | 22 | 2 |
| 2081 | 0.0722 | 29.70 | 3.93 | 22 | 2 |
| 2082 | 0.0695 | 29.70 | 3.93 | 22 | 2 |
| 2083 | 0.0668 | 29.70 | 3.93 | 22 | 1 |
| 合計 | | | | | 536 |

| | | | | | | | | | | | | | | |
|------|--------|-------|-----|-------|-----|--|--|--|--|--|--|--|--|--|
| 2037 | 0.4057 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2038 | 0.3901 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2039 | 0.3751 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2040 | 0.3607 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2041 | 0.3468 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2042 | 0.3335 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2043 | 0.3207 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2044 | 0.3083 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2045 | 0.2965 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2046 | 0.2851 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2047 | 0.2741 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2048 | 0.2636 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2049 | 0.2534 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2050 | 0.2437 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2051 | 0.2343 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2052 | 0.2253 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2053 | 0.2166 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2054 | 0.2083 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2055 | 0.2003 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2056 | 0.1926 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2057 | 0.1852 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2058 | 0.1780 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2059 | 0.1712 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2060 | 0.1646 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2061 | 0.1583 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2062 | 0.1522 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2063 | 0.1463 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2064 | 0.1407 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2065 | 0.1353 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2066 | 0.1301 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2067 | 0.1251 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2068 | 0.1203 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2069 | 0.1157 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2070 | 0.1112 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2071 | 0.1069 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2072 | 0.1028 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2073 | 0.0989 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2074 | 0.0951 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2075 | 0.0914 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2076 | 0.0879 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2077 | 0.0845 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2078 | 0.0813 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2079 | 0.0781 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2080 | 0.0751 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2081 | 0.0722 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2082 | 0.0695 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 2083 | 0.0668 | 71.79 | 582 | 11.46 | 126 | | | | | | | | | |
| 合計 | | | | | | | | | | | | | | |

| 年度 | 社会的割引率 | 合計 | |
|------|--------|-----|-------|
| | | 効果額 | 現在価値化 |
| 2003 | 1.5395 | | |
| 2004 | 1.4802 | 708 | 1,048 |
| 2005 | 1.4233 | 708 | 1,008 |
| 2006 | 1.3686 | 708 | 969 |
| 2007 | 1.3159 | 708 | 932 |
| 2008 | 1.2653 | 708 | 896 |
| 2009 | 1.2167 | 708 | 861 |
| 2010 | 1.1699 | 708 | 828 |
| 2011 | 1.1249 | 708 | 796 |
| 2012 | 1.0816 | 708 | 766 |
| 2013 | 1.0400 | 708 | 736 |
| 2014 | 1.0000 | 708 | 708 |
| 2015 | 0.9615 | 708 | 681 |
| 2016 | 0.9246 | 708 | 655 |
| 2017 | 0.8890 | 708 | 629 |
| 2018 | 0.8548 | 708 | 605 |
| 2019 | 0.8219 | 708 | 582 |
| 2020 | 0.7903 | 708 | 560 |
| 2021 | 0.7599 | 708 | 538 |
| 2022 | 0.7307 | 708 | 517 |
| 2023 | 0.7026 | 708 | 497 |
| 2024 | 0.6756 | 708 | 478 |
| 2025 | 0.6496 | 708 | 460 |
| 2026 | 0.6246 | 708 | 442 |
| 2027 | 0.6006 | 708 | 425 |
| 2028 | 0.5775 | 708 | 409 |
| 2029 | 0.5553 | 708 | 393 |
| 2030 | 0.5339 | 708 | 378 |
| 2031 | 0.5134 | 708 | 363 |
| 2032 | 0.4936 | 708 | 349 |
| 2033 | 0.4746 | 708 | 336 |
| 2034 | 0.4564 | 708 | 323 |
| 2035 | 0.4388 | 708 | 311 |
| 2036 | 0.4220 | 708 | 299 |
| 2037 | 0.4057 | 708 | 287 |
| 2038 | 0.3901 | 708 | 276 |
| 2039 | 0.3751 | 708 | 266 |
| 2040 | 0.3607 | 708 | 255 |
| 2041 | 0.3468 | 708 | 246 |

| | | | |
|------|--------|-----|--------|
| 2042 | 0.3335 | 708 | 236 |
| 2043 | 0.3207 | 708 | 227 |
| 2044 | 0.3083 | 708 | 218 |
| 2045 | 0.2965 | 708 | 210 |
| 2046 | 0.2851 | 708 | 202 |
| 2047 | 0.2741 | 708 | 194 |
| 2048 | 0.2636 | 708 | 187 |
| 2049 | 0.2534 | 708 | 179 |
| 2050 | 0.2437 | 708 | 173 |
| 2051 | 0.2343 | 708 | 166 |
| 2052 | 0.2253 | 708 | 160 |
| 2053 | 0.2166 | 708 | 153 |
| 2054 | 0.2083 | 708 | 147 |
| 2055 | 0.2003 | 708 | 142 |
| 2056 | 0.1926 | 708 | 136 |
| 2057 | 0.1852 | 708 | 131 |
| 2058 | 0.1780 | 708 | 126 |
| 2059 | 0.1712 | 708 | 121 |
| 2060 | 0.1646 | 708 | 117 |
| 2061 | 0.1583 | 708 | 112 |
| 2062 | 0.1522 | 708 | 108 |
| 2063 | 0.1463 | 708 | 104 |
| 2064 | 0.1407 | 708 | 100 |
| 2065 | 0.1353 | 708 | 96 |
| 2066 | 0.1301 | 708 | 92 |
| 2067 | 0.1251 | 708 | 89 |
| 2068 | 0.1203 | 708 | 85 |
| 2069 | 0.1157 | 708 | 82 |
| 2070 | 0.1112 | 708 | 79 |
| 2071 | 0.1069 | 708 | 76 |
| 2072 | 0.1028 | 708 | 73 |
| 2073 | 0.0989 | 708 | 70 |
| 2074 | 0.0951 | 708 | 67 |
| 2075 | 0.0914 | 708 | 65 |
| 2076 | 0.0879 | 708 | 62 |
| 2077 | 0.0845 | 708 | 60 |
| 2078 | 0.0813 | 708 | 58 |
| 2079 | 0.0781 | 708 | 55 |
| 2080 | 0.0751 | 708 | 53 |
| 2081 | 0.0722 | 708 | 51 |
| 2082 | 0.0695 | 708 | 49 |
| 2083 | 0.0668 | 708 | 47 |
| 合計 | | | 26,066 |

$$B = \sum_{t=1}^{T-1} \frac{t}{T \times (1+i)^t} + \sum_{t=T}^Y \frac{1}{(1+i)^t} \times (C1 - C2) \times A \times 0.3 \times \frac{44}{12} \times U$$

$$C1 = \frac{s \times e1}{30}$$

$$C2 = \frac{s \times e2}{30}$$

- U: 二酸化炭素に関する原単位(円/t-CO2) 6,046
出典:「二酸化炭素地中貯留技術研究開発成果報告書」(財)地球環境産業技術研究機構(平成18年3月)
- C1: 事業を実施しない場合の年間流出土砂量に含まれる炭素量(t-C/ha) ①事業対象区域 0.57
- C2: 事業を実施した場合の年間流出土砂量に含まれる炭素量(t-C/ha) ①事業対象区域 0.04
- T: 事業実施後、流出係数が安定するのに必要な年数 15
- Y: ①侵食深が30cmに達するまでの年数(To) 又は ①事業対象区域 80
②評価期間内に侵食深が30cmに達しない場合は評価期間
- A: ①事業対象区域面積(ha) 又は 29.70 ~ 29.70
②保全効果区域面積(ha)
- s: 単位面積当たりの土壌平均炭素蓄積量(t-C/ha) 85.30
出典:「日本国温室効果ガスインベントリ報告書」(2014年4月)(国立環境研究所温室効果ガスインベントリオフィス編)
- 44/12: 炭素から二酸化炭素への換算係数
- e1:: 事業を実施しない場合の侵食深(cm/年) ①事業対象区域 0.200
出典:「治山全体調査の考え方進め方」

| | |
|--------|------|
| 事業対象区域 | 荒廢地等 |
| | |

「森林の公益的機能に関する文献要約集」

| | |
|--------|-------|
| 事業対象区域 | 整備済森林 |
| | |

「森林水文」
- e2:: 事業を実施した場合の侵食深(cm/年) ①事業対象区域 0.013
出典:「治山全体調査の考え方進め方」

| | |
|--------|-------|
| 事業対象区域 | 整備済森林 |
| | |

「森林の公益的機能に関する文献要約集」

| | |
|--------|-------|
| 事業対象区域 | 整備済森林 |
| | |

「森林水文」
- 30: 土壌炭素の測定深度(cm)
- 0.3: 流出土砂排出炭素係数

| 年度 | 社会的割引率 | 事業対象区域 | | | | 現在価値化 | 現在価値化 |
|------|--------|----------|--------|-----|-------|-------|-------|
| | | 事業対象区域面積 | 効果対象面積 | 効果額 | 現在価値化 | | |
| 2003 | 1.5395 | | | | | | |
| 2004 | 1.4802 | 29.70 | 1.98 | 7 | 10 | | |
| 2005 | 1.4233 | 29.70 | 3.96 | 14 | 20 | | |
| 2006 | 1.3686 | 29.70 | 5.94 | 21 | 29 | | |
| 2007 | 1.3159 | 29.70 | 7.92 | 28 | 37 | | |
| 2008 | 1.2653 | 29.70 | 9.90 | 35 | 44 | | |
| 2009 | 1.2167 | 29.70 | 11.88 | 42 | 51 | | |
| 2010 | 1.1699 | 29.70 | 13.86 | 49 | 57 | | |
| 2011 | 1.1249 | 29.70 | 15.84 | 56 | 63 | | |
| 2012 | 1.0816 | 29.70 | 17.82 | 63 | 68 | | |
| 2013 | 1.0400 | 29.70 | 19.80 | 70 | 73 | | |
| 2014 | 1.0000 | 29.70 | 21.78 | 77 | 77 | | |
| 2015 | 0.9615 | 29.70 | 23.76 | 84 | 81 | | |
| 2016 | 0.9246 | 29.70 | 25.74 | 91 | 84 | | |
| 2017 | 0.8890 | 29.70 | 27.72 | 98 | 87 | | |
| 2018 | 0.8548 | 29.70 | 29.70 | 105 | 90 | | |
| 2019 | 0.8219 | 29.70 | 29.70 | 105 | 86 | | |
| 2020 | 0.7903 | 29.70 | 29.70 | 105 | 83 | | |
| 2021 | 0.7599 | 29.70 | 29.70 | 105 | 80 | | |
| 2022 | 0.7307 | 29.70 | 29.70 | 105 | 77 | | |
| 2023 | 0.7026 | 29.70 | 29.70 | 105 | 74 | | |
| 2024 | 0.6756 | 29.70 | 29.70 | 105 | 71 | | |
| 2025 | 0.6496 | 29.70 | 29.70 | 105 | 68 | | |
| 2026 | 0.6246 | 29.70 | 29.70 | 105 | 66 | | |
| 2027 | 0.6006 | 29.70 | 29.70 | 105 | 63 | | |
| 2028 | 0.5775 | 29.70 | 29.70 | 105 | 61 | | |
| 2029 | 0.5553 | 29.70 | 29.70 | 105 | 58 | | |
| 2030 | 0.5339 | 29.70 | 29.70 | 105 | 56 | | |
| 2031 | 0.5134 | 29.70 | 29.70 | 105 | 54 | | |
| 2032 | 0.4936 | 29.70 | 29.70 | 105 | 52 | | |
| 2033 | 0.4746 | 29.70 | 29.70 | 105 | 50 | | |
| 2034 | 0.4564 | 29.70 | 29.70 | 105 | 48 | | |
| 2035 | 0.4388 | 29.70 | 29.70 | 105 | 46 | | |
| 2036 | 0.4220 | 29.70 | 29.70 | 105 | 44 | | |
| 2037 | 0.4057 | 29.70 | 29.70 | 105 | 43 | | |
| 2038 | 0.3901 | 29.70 | 29.70 | 105 | 41 | | |
| 2039 | 0.3751 | 29.70 | 29.70 | 105 | 39 | | |
| 2040 | 0.3607 | 29.70 | 29.70 | 105 | 38 | | |
| 2041 | 0.3468 | 29.70 | 29.70 | 105 | 36 | | |
| 2042 | 0.3335 | 29.70 | 29.70 | 105 | 35 | | |

| | | | | | | | | |
|------|--------|-------|-------|-----|-------|--|--|---|
| 2043 | 0.3207 | 29.70 | 29.70 | 105 | 34 | | | |
| 2044 | 0.3083 | 29.70 | 29.70 | 105 | 32 | | | |
| 2045 | 0.2965 | 29.70 | 29.70 | 105 | 31 | | | |
| 2046 | 0.2851 | 29.70 | 29.70 | 105 | 30 | | | |
| 2047 | 0.2741 | 29.70 | 29.70 | 105 | 29 | | | |
| 2048 | 0.2636 | 29.70 | 29.70 | 105 | 28 | | | |
| 2049 | 0.2534 | 29.70 | 29.70 | 105 | 27 | | | |
| 2050 | 0.2437 | 29.70 | 29.70 | 105 | 26 | | | |
| 2051 | 0.2343 | 29.70 | 29.70 | 105 | 25 | | | |
| 2052 | 0.2253 | 29.70 | 29.70 | 105 | 24 | | | |
| 2053 | 0.2166 | 29.70 | 29.70 | 105 | 23 | | | |
| 2054 | 0.2083 | 29.70 | 29.70 | 105 | 22 | | | |
| 2055 | 0.2003 | 29.70 | 29.70 | 105 | 21 | | | |
| 2056 | 0.1926 | 29.70 | 29.70 | 105 | 20 | | | |
| 2057 | 0.1852 | 29.70 | 29.70 | 105 | 19 | | | |
| 2058 | 0.1780 | 29.70 | 29.70 | 105 | 19 | | | |
| 2059 | 0.1712 | 29.70 | 29.70 | 105 | 18 | | | |
| 2060 | 0.1646 | 29.70 | 29.70 | 105 | 17 | | | |
| 2061 | 0.1583 | 29.70 | 29.70 | 105 | 17 | | | |
| 2062 | 0.1522 | 29.70 | 29.70 | 105 | 16 | | | |
| 2063 | 0.1463 | 29.70 | 29.70 | 105 | 15 | | | |
| 2064 | 0.1407 | 29.70 | 29.70 | 105 | 15 | | | |
| 2065 | 0.1353 | 29.70 | 29.70 | 105 | 14 | | | |
| 2066 | 0.1301 | 29.70 | 29.70 | 105 | 14 | | | |
| 2067 | 0.1251 | 29.70 | 29.70 | 105 | 13 | | | |
| 2068 | 0.1203 | 29.70 | 29.70 | 105 | 13 | | | |
| 2069 | 0.1157 | 29.70 | 29.70 | 105 | 12 | | | |
| 2070 | 0.1112 | 29.70 | 29.70 | 105 | 12 | | | |
| 2071 | 0.1069 | 29.70 | 29.70 | 105 | 11 | | | |
| 2072 | 0.1028 | 29.70 | 29.70 | 105 | 11 | | | |
| 2073 | 0.0989 | 29.70 | 29.70 | 105 | 10 | | | |
| 2074 | 0.0951 | 29.70 | 29.70 | 105 | 10 | | | |
| 2075 | 0.0914 | 29.70 | 29.70 | 105 | 10 | | | |
| 2076 | 0.0879 | 29.70 | 29.70 | 105 | 9 | | | |
| 2077 | 0.0845 | 29.70 | 29.70 | 105 | 9 | | | |
| 2078 | 0.0813 | 29.70 | 29.70 | 105 | 9 | | | |
| 2079 | 0.0781 | 29.70 | 29.70 | 105 | 8 | | | |
| 2080 | 0.0751 | 29.70 | 29.70 | 105 | 8 | | | |
| 2081 | 0.0722 | 29.70 | 29.70 | 105 | 8 | | | |
| 2082 | 0.0695 | 29.70 | 29.70 | 105 | 7 | | | |
| 2083 | 0.0668 | 29.70 | 29.70 | 105 | 7 | | | |
| 合計 | | | | | 2,943 | | | 0 |

$$B = \sum_{t=1}^Y \frac{V_t \times @}{(1+i)^t}$$

Y: 評価期間 80

Vt主: 人工林 主伐量 t年後における伐採材積(m3) アカエゾマツ 0.00 ~ 8,327.50
 前生広葉樹等 0.00 ~ 1,834.00
 出典:人工林林分密度管理図((一社)日本森林技術協会)、
 森林農地整備センター収穫予測表((独)森林総合研究所)等
 0
 0
 0

@: 人工林 主伐材 木材市場価格(円/m3) アカエゾマツ 3,706
 前生広葉樹等 0
 出典:「山林素地及び山元立木価格調((一財)日本不動産研究所)」(平成25年3月末現
 0
 0
 0
 0

| 年度 | 社会的割引率 | アカエゾマツ | | 前生広葉樹等 | | 事業効果蓄積 | 効果額 | 事業効果材積 | 効果額 | 事業効果材積 | 効果額 |
|------|--------|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|
| | | 事業効果材積 | 効果額 | 事業効果材積 | 効果額 | | | | | | |
| 2003 | 1.5395 | | | | | | | | | | |
| 2004 | 1.4802 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2005 | 1.4233 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2006 | 1.3686 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2007 | 1.3159 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2008 | 1.2653 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2009 | 1.2167 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2010 | 1.1699 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2011 | 1.1249 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2012 | 1.0816 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2013 | 1.0400 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2014 | 1.0000 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2015 | 0.9615 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2016 | 0.9246 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2017 | 0.8890 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2018 | 0.8548 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2019 | 0.8219 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2020 | 0.7903 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2021 | 0.7599 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2022 | 0.7307 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2023 | 0.7026 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2024 | 0.6756 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2025 | 0.6496 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2026 | 0.6246 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2027 | 0.6006 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2028 | 0.5775 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2029 | 0.5553 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2030 | 0.5339 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2031 | 0.5134 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2032 | 0.4936 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2033 | 0.4746 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2034 | 0.4564 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2035 | 0.4388 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2036 | 0.4220 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2037 | 0.4057 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2038 | 0.3901 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2039 | 0.3751 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2040 | 0.3607 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2041 | 0.3468 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2042 | 0.3335 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2043 | 0.3207 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2044 | 0.3083 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2045 | 0.2965 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2046 | 0.2851 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2047 | 0.2741 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2048 | 0.2636 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2049 | 0.2534 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2050 | 0.2437 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2051 | 0.2343 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2052 | 0.2253 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2053 | 0.2166 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2054 | 0.2083 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2055 | 0.2003 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2056 | 0.1926 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2057 | 0.1852 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2058 | 0.1780 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2059 | 0.1712 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2060 | 0.1646 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2061 | 0.1583 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2062 | 0.1522 | 0.00 | 0 | 0.00 | 0 | | | | | | |

| | | | | | | | | | | | |
|------|--------|----------|--------|----------|---|--|--|--|--|--|--|
| 2063 | 0.1463 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2064 | 0.1407 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2065 | 0.1353 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2066 | 0.1301 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2067 | 0.1251 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2068 | 0.1203 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2069 | 0.1157 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2070 | 0.1112 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2071 | 0.1069 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2072 | 0.1028 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2073 | 0.0989 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2074 | 0.0951 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2075 | 0.0914 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2076 | 0.0879 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2077 | 0.0845 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2078 | 0.0813 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2079 | 0.0781 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2080 | 0.0751 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2081 | 0.0722 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2082 | 0.0695 | 0.00 | 0 | 0.00 | 0 | | | | | | |
| 2083 | 0.0668 | 8,327.50 | 30,862 | 1,834.00 | 0 | | | | | | |
| 合計 | | | | | | | | | | | |

| 年度 | 社会的割引率 | 事業効果材積 | 効果額 | 合計 | |
|------|--------|--------|-----|-----|-------|
| | | | | 効果額 | 現在価値化 |
| 2003 | 1.5395 | | | | |
| 2004 | 1.4802 | | | 0 | 0 |
| 2005 | 1.4233 | | | 0 | 0 |
| 2006 | 1.3686 | | | 0 | 0 |
| 2007 | 1.3159 | | | 0 | 0 |
| 2008 | 1.2653 | | | 0 | 0 |
| 2009 | 1.2167 | | | 0 | 0 |
| 2010 | 1.1699 | | | 0 | 0 |
| 2011 | 1.1249 | | | 0 | 0 |
| 2012 | 1.0816 | | | 0 | 0 |
| 2013 | 1.0400 | | | 0 | 0 |
| 2014 | 1.0000 | | | 0 | 0 |
| 2015 | 0.9615 | | | 0 | 0 |
| 2016 | 0.9246 | | | 0 | 0 |
| 2017 | 0.8890 | | | 0 | 0 |
| 2018 | 0.8548 | | | 0 | 0 |
| 2019 | 0.8219 | | | 0 | 0 |
| 2020 | 0.7903 | | | 0 | 0 |
| 2021 | 0.7599 | | | 0 | 0 |
| 2022 | 0.7307 | | | 0 | 0 |
| 2023 | 0.7026 | | | 0 | 0 |
| 2024 | 0.6756 | | | 0 | 0 |
| 2025 | 0.6496 | | | 0 | 0 |
| 2026 | 0.6246 | | | 0 | 0 |
| 2027 | 0.6006 | | | 0 | 0 |
| 2028 | 0.5775 | | | 0 | 0 |
| 2029 | 0.5553 | | | 0 | 0 |
| 2030 | 0.5339 | | | 0 | 0 |
| 2031 | 0.5134 | | | 0 | 0 |
| 2032 | 0.4936 | | | 0 | 0 |
| 2033 | 0.4746 | | | 0 | 0 |
| 2034 | 0.4564 | | | 0 | 0 |
| 2035 | 0.4388 | | | 0 | 0 |
| 2036 | 0.4220 | | | 0 | 0 |
| 2037 | 0.4057 | | | 0 | 0 |
| 2038 | 0.3901 | | | 0 | 0 |
| 2039 | 0.3751 | | | 0 | 0 |
| 2040 | 0.3607 | | | 0 | 0 |
| 2041 | 0.3468 | | | 0 | 0 |
| 2042 | 0.3335 | | | 0 | 0 |
| 2043 | 0.3207 | | | 0 | 0 |
| 2044 | 0.3083 | | | 0 | 0 |
| 2045 | 0.2965 | | | 0 | 0 |
| 2046 | 0.2851 | | | 0 | 0 |
| 2047 | 0.2741 | | | 0 | 0 |
| 2048 | 0.2636 | | | 0 | 0 |
| 2049 | 0.2534 | | | 0 | 0 |
| 2050 | 0.2437 | | | 0 | 0 |
| 2051 | 0.2343 | | | 0 | 0 |
| 2052 | 0.2253 | | | 0 | 0 |
| 2053 | 0.2166 | | | 0 | 0 |
| 2054 | 0.2083 | | | 0 | 0 |
| 2055 | 0.2003 | | | 0 | 0 |
| 2056 | 0.1926 | | | 0 | 0 |
| 2057 | 0.1852 | | | 0 | 0 |
| 2058 | 0.1780 | | | 0 | 0 |
| 2059 | 0.1712 | | | 0 | 0 |
| 2060 | 0.1646 | | | 0 | 0 |
| 2061 | 0.1583 | | | 0 | 0 |
| 2062 | 0.1522 | | | 0 | 0 |
| 2063 | 0.1463 | | | 0 | 0 |
| 2064 | 0.1407 | | | 0 | 0 |
| 2065 | 0.1353 | | | 0 | 0 |
| 2066 | 0.1301 | | | 0 | 0 |
| 2067 | 0.1251 | | | 0 | 0 |

| | | | | | |
|------|--------|--|--|--------|-------|
| 2068 | 0.1203 | | | 0 | 0 |
| 2069 | 0.1157 | | | 0 | 0 |
| 2070 | 0.1112 | | | 0 | 0 |
| 2071 | 0.1069 | | | 0 | 0 |
| 2072 | 0.1028 | | | 0 | 0 |
| 2073 | 0.0989 | | | 0 | 0 |
| 2074 | 0.0951 | | | 0 | 0 |
| 2075 | 0.0914 | | | 0 | 0 |
| 2076 | 0.0879 | | | 0 | 0 |
| 2077 | 0.0845 | | | 0 | 0 |
| 2078 | 0.0813 | | | 0 | 0 |
| 2079 | 0.0781 | | | 0 | 0 |
| 2080 | 0.0751 | | | 0 | 0 |
| 2081 | 0.0722 | | | 0 | 0 |
| 2082 | 0.0695 | | | 0 | 0 |
| 2083 | 0.0668 | | | 30,862 | 2,062 |
| 合計 | | | | | 2,062 |