

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： 相模川広域流域 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 |
| H 1 2 | | × 1.6651 | | H 7 3 | 0 | × 0.1522 | 0 |
| H 1 3 | 22,741 | × 1.6010 | 36,408 | H 7 4 | 0 | × 0.1463 | 0 |
| H 1 4 | 5,685 | × 1.5395 | 8,752 | H 7 5 | 0 | × 0.1407 | 0 |
| H 1 5 | 4,408 | × 1.4802 | 6,525 | H 7 6 | 0 | × 0.1353 | 0 |
| H 1 6 | 3,285 | × 1.4233 | 4,676 | H 7 7 | 0 | × 0.1301 | 0 |
| H 1 7 | 2,447 | × 1.3686 | 3,349 | H 7 8 | 0 | × 0.1251 | 0 |
| H 1 8 | 2,334 | × 1.3159 | 3,071 | H 7 9 | 0 | × 0.1203 | 0 |
| H 1 9 | 0 | × 1.2653 | 0 | H 8 0 | 0 | × 0.1157 | 0 |
| H 2 0 | 1,036 | × 1.2167 | 1,261 | H 8 1 | 0 | × 0.1112 | 0 |
| H 2 1 | 0 | × 1.1699 | 0 | H 8 2 | 0 | × 0.1069 | 0 |
| H 2 2 | 104 | × 1.1249 | 117 | H 8 3 | 0 | × 0.1028 | 0 |
| H 2 3 | 229 | × 1.0816 | 248 | H 8 4 | 0 | × 0.0989 | 0 |
| H 2 4 | 2,412 | × 1.0400 | 2,508 | H 8 5 | 0 | × 0.0951 | 0 |
| H 2 5 | 0 | × 1.0000 | 0 | H 8 6 | 0 | × 0.0914 | 0 |
| H 2 6 | 2,680 | × 0.9615 | 2,577 | H 8 7 | 0 | × 0.0879 | 0 |
| H 2 7 | 0 | × 0.9246 | 0 | H 8 8 | 0 | × 0.0845 | 0 |
| H 2 8 | 0 | × 0.8890 | 0 | H 8 9 | 0 | × 0.0813 | 0 |
| H 2 9 | 0 | × 0.8548 | 0 | H 9 0 | 0 | × 0.0781 | 0 |
| H 3 0 | 958 | × 0.8219 | 787 | H 9 1 | 0 | × 0.0751 | 0 |
| H 3 1 | 0 | × 0.7903 | 0 | H 9 2 | 0 | × 0.0722 | 0 |
| H 3 2 | 229 | × 0.7599 | 174 | | | | |
| H 3 3 | 1,436 | × 0.7307 | 1,049 | | | | |
| H 3 4 | 0 | × 0.7026 | 0 | | | | |
| H 3 5 | 0 | × 0.6756 | 0 | | | | |
| H 3 6 | 0 | × 0.6496 | 0 | | | | |
| H 3 7 | 92 | × 0.6246 | 57 | | | | |
| H 3 8 | 5,132 | × 0.6006 | 3,082 | | | | |
| H 3 9 | 0 | × 0.5775 | 0 | | | | |
| H 4 0 | 0 | × 0.5553 | 0 | | | | |
| H 4 1 | 0 | × 0.5339 | 0 | | | | |
| H 4 2 | 0 | × 0.5134 | 0 | | | | |
| H 4 3 | 0 | × 0.4936 | 0 | | | | |
| H 4 4 | 0 | × 0.4746 | 0 | | | | |
| H 4 5 | 0 | × 0.4564 | 0 | | | | |
| H 4 6 | 0 | × 0.4388 | 0 | | | | |
| H 4 7 | 0 | × 0.4220 | 0 | | | | |
| H 4 8 | 0 | × 0.4057 | 0 | | | | |
| H 4 9 | 0 | × 0.3901 | 0 | | | | |
| H 5 0 | 0 | × 0.3751 | 0 | | | | |
| H 5 1 | 0 | × 0.3607 | 0 | | | | |
| H 5 2 | 92 | × 0.3468 | 32 | | | | |
| H 5 3 | 1,412 | × 0.3335 | 471 | | | | |
| H 5 4 | 0 | × 0.3207 | 0 | | | | |
| H 5 5 | 0 | × 0.3083 | 0 | | | | |
| H 5 6 | 0 | × 0.2965 | 0 | | | | |
| H 5 7 | 0 | × 0.2851 | 0 | | | | |
| H 5 8 | 0 | × 0.2741 | 0 | | | | |
| H 5 9 | 0 | × 0.2636 | 0 | | | | |
| H 6 0 | 0 | × 0.2534 | 0 | | | | |
| H 6 1 | 0 | × 0.2437 | 0 | | | | |
| H 6 2 | 0 | × 0.2343 | 0 | | | | |
| H 6 3 | 0 | × 0.2253 | 0 | | | | |
| H 6 4 | 0 | × 0.2166 | 0 | | | | |
| H 6 5 | 0 | × 0.2083 | 0 | | | | |
| H 6 6 | 0 | × 0.2003 | 0 | | | | |
| H 6 7 | 0 | × 0.1926 | 0 | | | | |
| H 6 8 | 470 | × 0.1852 | 87 | | | | |
| H 6 9 | 0 | × 0.1780 | 0 | | | | |
| H 7 0 | 0 | × 0.1712 | 0 | | | | |
| H 7 1 | 0 | × 0.1646 | 0 | | | | |
| H 7 2 | 0 | × 0.1583 | 0 | | | | |
| | | | | 合 計 | | | 75,231 |
| | | | | C = | 75,231 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/㎡/sec) 3,520,000
出典:「ダム年鑑2012」
- 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) 79.74
出典:気象統計情報(気象庁)
- A: 事業対象区域面積(ha) 13.32 ~ 13.32
- 360: 単位合わせのための調整値
- Y: 評価期間 80

| 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 |
|------|--------|----------|--------|-------|-------|
| 2000 | 1.6651 | | | | |
| 2001 | 1.6010 | 13.32 | 0.89 | 69 | 110 |
| 2002 | 1.5395 | 13.32 | 1.78 | 138 | 212 |
| 2003 | 1.4802 | 13.32 | 2.66 | 208 | 308 |
| 2004 | 1.4233 | 13.32 | 3.55 | 277 | 394 |
| 2005 | 1.3686 | 13.32 | 4.44 | 346 | 474 |
| 2006 | 1.3159 | 13.32 | 5.33 | 415 | 546 |
| 2007 | 1.2653 | 13.32 | 6.22 | 485 | 614 |
| 2008 | 1.2167 | 13.32 | 7.10 | 554 | 674 |
| 2009 | 1.1699 | 13.32 | 7.99 | 623 | 729 |
| 2010 | 1.1249 | 13.32 | 8.88 | 692 | 778 |
| 2011 | 1.0816 | 13.32 | 9.77 | 762 | 824 |
| 2012 | 1.0400 | 13.32 | 10.66 | 831 | 864 |
| 2013 | 1.0000 | 13.32 | 11.54 | 900 | 900 |
| 2014 | 0.9615 | 13.32 | 12.43 | 969 | 932 |
| 2015 | 0.9246 | 13.32 | 13.32 | 1,039 | 961 |
| 2016 | 0.8890 | 13.32 | 13.32 | 1,039 | 924 |
| 2017 | 0.8548 | 13.32 | 13.32 | 1,039 | 888 |
| 2018 | 0.8219 | 13.32 | 13.32 | 1,039 | 854 |
| 2019 | 0.7903 | 13.32 | 13.32 | 1,039 | 821 |
| 2020 | 0.7599 | 13.32 | 13.32 | 1,039 | 790 |
| 2021 | 0.7307 | 13.32 | 13.32 | 1,039 | 759 |
| 2022 | 0.7026 | 13.32 | 13.32 | 1,039 | 730 |
| 2023 | 0.6756 | 13.32 | 13.32 | 1,039 | 702 |
| 2024 | 0.6496 | 13.32 | 13.32 | 1,039 | 675 |
| 2025 | 0.6246 | 13.32 | 13.32 | 1,039 | 649 |
| 2026 | 0.6006 | 13.32 | 13.32 | 1,039 | 624 |
| 2027 | 0.5775 | 13.32 | 13.32 | 1,039 | 600 |
| 2028 | 0.5553 | 13.32 | 13.32 | 1,039 | 577 |
| 2029 | 0.5339 | 13.32 | 13.32 | 1,039 | 555 |
| 2030 | 0.5134 | 13.32 | 13.32 | 1,039 | 533 |
| 2031 | 0.4936 | 13.32 | 13.32 | 1,039 | 513 |
| 2032 | 0.4746 | 13.32 | 13.32 | 1,039 | 493 |
| 2033 | 0.4564 | 13.32 | 13.32 | 1,039 | 474 |
| 2034 | 0.4388 | 13.32 | 13.32 | 1,039 | 456 |
| 2035 | 0.4220 | 13.32 | 13.32 | 1,039 | 438 |
| 2036 | 0.4057 | 13.32 | 13.32 | 1,039 | 422 |
| 2037 | 0.3901 | 13.32 | 13.32 | 1,039 | 405 |
| 2038 | 0.3751 | 13.32 | 13.32 | 1,039 | 390 |
| 2039 | 0.3607 | 13.32 | 13.32 | 1,039 | 375 |
| 2040 | 0.3468 | 13.32 | 13.32 | 1,039 | 360 |
| 2041 | 0.3335 | 13.32 | 13.32 | 1,039 | 347 |
| 2042 | 0.3207 | 13.32 | 13.32 | 1,039 | 333 |
| 2043 | 0.3083 | 13.32 | 13.32 | 1,039 | 320 |
| 2044 | 0.2965 | 13.32 | 13.32 | 1,039 | 308 |
| 2045 | 0.2851 | 13.32 | 13.32 | 1,039 | 296 |
| 2046 | 0.2741 | 13.32 | 13.32 | 1,039 | 285 |
| 2047 | 0.2636 | 13.32 | 13.32 | 1,039 | 274 |
| 2048 | 0.2534 | 13.32 | 13.32 | 1,039 | 263 |
| 2049 | 0.2437 | 13.32 | 13.32 | 1,039 | 253 |
| 2050 | 0.2343 | 13.32 | 13.32 | 1,039 | 243 |
| 2051 | 0.2253 | 13.32 | 13.32 | 1,039 | 234 |
| 2052 | 0.2166 | 13.32 | 13.32 | 1,039 | 225 |
| 2053 | 0.2083 | 13.32 | 13.32 | 1,039 | 216 |
| 2054 | 0.2003 | 13.32 | 13.32 | 1,039 | 208 |
| 2055 | 0.1926 | 13.32 | 13.32 | 1,039 | 200 |
| 2056 | 0.1852 | 13.32 | 13.32 | 1,039 | 192 |
| 2057 | 0.1780 | 13.32 | 13.32 | 1,039 | 185 |
| 2058 | 0.1712 | 13.32 | 13.32 | 1,039 | 178 |
| 2059 | 0.1646 | 13.32 | 13.32 | 1,039 | 171 |
| 2060 | 0.1583 | 13.32 | 13.32 | 1,039 | 164 |
| 2061 | 0.1522 | 13.32 | 13.32 | 1,039 | 158 |
| 2062 | 0.1463 | 13.32 | 13.32 | 1,039 | 152 |

| | | | | | |
|------|--------|-------|-------|-------|--------|
| 2063 | 0.1407 | 13.32 | 13.32 | 1,039 | 146 |
| 2064 | 0.1353 | 13.32 | 13.32 | 1,039 | 141 |
| 2065 | 0.1301 | 13.32 | 13.32 | 1,039 | 135 |
| 2066 | 0.1251 | 13.32 | 13.32 | 1,039 | 130 |
| 2067 | 0.1203 | 13.32 | 13.32 | 1,039 | 125 |
| 2068 | 0.1157 | 13.32 | 13.32 | 1,039 | 120 |
| 2069 | 0.1112 | 13.32 | 13.32 | 1,039 | 116 |
| 2070 | 0.1069 | 13.32 | 13.32 | 1,039 | 111 |
| 2071 | 0.1028 | 13.32 | 13.32 | 1,039 | 107 |
| 2072 | 0.0989 | 13.32 | 13.32 | 1,039 | 103 |
| 2073 | 0.0951 | 13.32 | 13.32 | 1,039 | 99 |
| 2074 | 0.0914 | 13.32 | 13.32 | 1,039 | 95 |
| 2075 | 0.0879 | 13.32 | 13.32 | 1,039 | 91 |
| 2076 | 0.0845 | 13.32 | 13.32 | 1,039 | 88 |
| 2077 | 0.0813 | 13.32 | 13.32 | 1,039 | 84 |
| 2078 | 0.0781 | 13.32 | 13.32 | 1,039 | 81 |
| 2079 | 0.0751 | 13.32 | 13.32 | 1,039 | 78 |
| 2080 | 0.0722 | 13.32 | 13.32 | 1,039 | 75 |
| 合計 | | | | | 31,457 |

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

| | | |
|--------|--|---------------|
| A: | 事業対象区域面積 (ha) | 13.32 ~ 13.32 |
| P: | 年間平均降雨量 (mm/年) 出典: 気象統計情報 (気象庁) | 1,727 |
| 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2012」 | 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 |

| 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 |
|-------|--------|----------|--------|-----|-------|
| 2.000 | 1.6651 | | | | |
| 2.001 | 1.6010 | 13.32 | 0.89 | 25 | 40 |
| 2.002 | 1.5395 | 13.32 | 1.78 | 50 | 77 |
| 2.003 | 1.4802 | 13.32 | 2.66 | 76 | 112 |
| 2.004 | 1.4233 | 13.32 | 3.55 | 101 | 144 |
| 2.005 | 1.3686 | 13.32 | 4.44 | 126 | 172 |
| 2.006 | 1.3159 | 13.32 | 5.33 | 151 | 199 |
| 2.007 | 1.2653 | 13.32 | 6.22 | 177 | 224 |
| 2.008 | 1.2167 | 13.32 | 7.10 | 202 | 246 |
| 2.009 | 1.1699 | 13.32 | 7.99 | 227 | 266 |
| 2.010 | 1.1249 | 13.32 | 8.88 | 252 | 283 |
| 2.011 | 1.0816 | 13.32 | 9.77 | 278 | 301 |
| 2.012 | 1.0400 | 13.32 | 10.66 | 303 | 315 |
| 2.013 | 1.0000 | 13.32 | 11.54 | 328 | 328 |
| 2.014 | 0.9615 | 13.32 | 12.43 | 353 | 339 |
| 2.015 | 0.9246 | 13.32 | 13.32 | 378 | 349 |
| 2.016 | 0.8890 | 13.32 | 13.32 | 378 | 336 |
| 2.017 | 0.8548 | 13.32 | 13.32 | 378 | 323 |
| 2.018 | 0.8219 | 13.32 | 13.32 | 378 | 311 |
| 2.019 | 0.7903 | 13.32 | 13.32 | 378 | 299 |
| 2.020 | 0.7599 | 13.32 | 13.32 | 378 | 287 |
| 2.021 | 0.7307 | 13.32 | 13.32 | 378 | 276 |
| 2.022 | 0.7026 | 13.32 | 13.32 | 378 | 266 |
| 2.023 | 0.6756 | 13.32 | 13.32 | 378 | 255 |
| 2.024 | 0.6496 | 13.32 | 13.32 | 378 | 246 |
| 2.025 | 0.6246 | 13.32 | 13.32 | 378 | 236 |
| 2.026 | 0.6006 | 13.32 | 13.32 | 378 | 227 |
| 2.027 | 0.5775 | 13.32 | 13.32 | 378 | 218 |
| 2.028 | 0.5553 | 13.32 | 13.32 | 378 | 210 |
| 2.029 | 0.5339 | 13.32 | 13.32 | 378 | 202 |
| 2.030 | 0.5134 | 13.32 | 13.32 | 378 | 194 |
| 2.031 | 0.4936 | 13.32 | 13.32 | 378 | 187 |
| 2.032 | 0.4746 | 13.32 | 13.32 | 378 | 179 |
| 2.033 | 0.4564 | 13.32 | 13.32 | 378 | 173 |
| 2.034 | 0.4388 | 13.32 | 13.32 | 378 | 166 |
| 2.035 | 0.4220 | 13.32 | 13.32 | 378 | 160 |
| 2.036 | 0.4057 | 13.32 | 13.32 | 378 | 153 |
| 2.037 | 0.3901 | 13.32 | 13.32 | 378 | 147 |
| 2.038 | 0.3751 | 13.32 | 13.32 | 378 | 142 |
| 2.039 | 0.3607 | 13.32 | 13.32 | 378 | 136 |
| 2.040 | 0.3468 | 13.32 | 13.32 | 378 | 131 |
| 2.041 | 0.3335 | 13.32 | 13.32 | 378 | 126 |
| 2.042 | 0.3207 | 13.32 | 13.32 | 378 | 121 |
| 2.043 | 0.3083 | 13.32 | 13.32 | 378 | 117 |
| 2.044 | 0.2965 | 13.32 | 13.32 | 378 | 112 |
| 2.045 | 0.2851 | 13.32 | 13.32 | 378 | 108 |
| 2.046 | 0.2741 | 13.32 | 13.32 | 378 | 104 |
| 2.047 | 0.2636 | 13.32 | 13.32 | 378 | 100 |
| 2.048 | 0.2534 | 13.32 | 13.32 | 378 | 96 |
| 2.049 | 0.2437 | 13.32 | 13.32 | 378 | 92 |
| 2.050 | 0.2343 | 13.32 | 13.32 | 378 | 89 |
| 2.051 | 0.2253 | 13.32 | 13.32 | 378 | 85 |
| 2.052 | 0.2166 | 13.32 | 13.32 | 378 | 82 |
| 2.053 | 0.2083 | 13.32 | 13.32 | 378 | 79 |
| 2.054 | 0.2003 | 13.32 | 13.32 | 378 | 76 |
| 2.055 | 0.1926 | 13.32 | 13.32 | 378 | 73 |
| 2.056 | 0.1852 | 13.32 | 13.32 | 378 | 70 |
| 2.057 | 0.1780 | 13.32 | 13.32 | 378 | 67 |
| 2.058 | 0.1712 | 13.32 | 13.32 | 378 | 65 |

| | | | | | |
|-------|--------|-------|-------|-----|--------|
| 2.059 | 0.1646 | 13.32 | 13.32 | 378 | 62 |
| 2.060 | 0.1583 | 13.32 | 13.32 | 378 | 60 |
| 2.061 | 0.1522 | 13.32 | 13.32 | 378 | 58 |
| 2.062 | 0.1463 | 13.32 | 13.32 | 378 | 55 |
| 2.063 | 0.1407 | 13.32 | 13.32 | 378 | 53 |
| 2.064 | 0.1353 | 13.32 | 13.32 | 378 | 51 |
| 2.065 | 0.1301 | 13.32 | 13.32 | 378 | 49 |
| 2.066 | 0.1251 | 13.32 | 13.32 | 378 | 47 |
| 2.067 | 0.1203 | 13.32 | 13.32 | 378 | 45 |
| 2.068 | 0.1157 | 13.32 | 13.32 | 378 | 44 |
| 2.069 | 0.1112 | 13.32 | 13.32 | 378 | 42 |
| 2.070 | 0.1069 | 13.32 | 13.32 | 378 | 40 |
| 2.071 | 0.1028 | 13.32 | 13.32 | 378 | 39 |
| 2.072 | 0.0989 | 13.32 | 13.32 | 378 | 37 |
| 2.073 | 0.0951 | 13.32 | 13.32 | 378 | 36 |
| 2.074 | 0.0914 | 13.32 | 13.32 | 378 | 35 |
| 2.075 | 0.0879 | 13.32 | 13.32 | 378 | 33 |
| 2.076 | 0.0845 | 13.32 | 13.32 | 378 | 32 |
| 2.077 | 0.0813 | 13.32 | 13.32 | 378 | 31 |
| 2.078 | 0.0781 | 13.32 | 13.32 | 378 | 30 |
| 2.079 | 0.0751 | 13.32 | 13.32 | 378 | 28 |
| 2.080 | 0.0722 | 13.32 | 13.32 | 378 | 27 |
| 合計 | | | | | 11,451 |

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

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

- Qx: 全貯留量のうち生活用水使用相当量 51.90 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 75.76 億
- A: 事業対象区域面積(ha) 13.32 ~ 13.32
- P: 年間平均降雨量(mm/年) 1,727
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給水原価(円/m3) 106.29
出典:「地方公営企業年鑑(平成23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) 83.92
- Y: 評価期間 80
- 10: 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 | 事業効果面積 | 効果額 | 現在価値化 |
|------|--------|----------|--------|-----|-------|
| 2000 | 1.6651 | | | | |
| 2001 | 1.6010 | 13.32 | 0.89 | 64 | 102 |
| 2002 | 1.5395 | 13.32 | 1.78 | 129 | 199 |
| 2003 | 1.4802 | 13.32 | 2.66 | 193 | 286 |
| 2004 | 1.4233 | 13.32 | 3.55 | 257 | 366 |
| 2005 | 1.3686 | 13.32 | 4.44 | 322 | 441 |
| 2006 | 1.3159 | 13.32 | 5.33 | 386 | 508 |
| 2007 | 1.2653 | 13.32 | 6.22 | 450 | 569 |
| 2008 | 1.2167 | 13.32 | 7.10 | 515 | 627 |
| 2009 | 1.1699 | 13.32 | 7.99 | 579 | 677 |
| 2010 | 1.1249 | 13.32 | 8.88 | 643 | 723 |
| 2011 | 1.0816 | 13.32 | 9.77 | 708 | 766 |
| 2012 | 1.0400 | 13.32 | 10.66 | 772 | 803 |
| 2013 | 1.0000 | 13.32 | 11.54 | 836 | 836 |
| 2014 | 0.9615 | 13.32 | 12.43 | 901 | 866 |
| 2015 | 0.9246 | 13.32 | 13.32 | 965 | 892 |
| 2016 | 0.8890 | 13.32 | 13.32 | 965 | 858 |
| 2017 | 0.8548 | 13.32 | 13.32 | 965 | 825 |
| 2018 | 0.8219 | 13.32 | 13.32 | 965 | 793 |
| 2019 | 0.7903 | 13.32 | 13.32 | 965 | 763 |
| 2020 | 0.7599 | 13.32 | 13.32 | 965 | 733 |
| 2021 | 0.7307 | 13.32 | 13.32 | 965 | 705 |
| 2022 | 0.7026 | 13.32 | 13.32 | 965 | 678 |
| 2023 | 0.6756 | 13.32 | 13.32 | 965 | 652 |
| 2024 | 0.6496 | 13.32 | 13.32 | 965 | 627 |
| 2025 | 0.6246 | 13.32 | 13.32 | 965 | 603 |
| 2026 | 0.6006 | 13.32 | 13.32 | 965 | 580 |
| 2027 | 0.5775 | 13.32 | 13.32 | 965 | 557 |
| 2028 | 0.5553 | 13.32 | 13.32 | 965 | 536 |
| 2029 | 0.5339 | 13.32 | 13.32 | 965 | 515 |
| 2030 | 0.5134 | 13.32 | 13.32 | 965 | 495 |
| 2031 | 0.4936 | 13.32 | 13.32 | 965 | 476 |
| 2032 | 0.4746 | 13.32 | 13.32 | 965 | 458 |
| 2033 | 0.4564 | 13.32 | 13.32 | 965 | 440 |
| 2034 | 0.4388 | 13.32 | 13.32 | 965 | 423 |
| 2035 | 0.4220 | 13.32 | 13.32 | 965 | 407 |
| 2036 | 0.4057 | 13.32 | 13.32 | 965 | 392 |
| 2037 | 0.3901 | 13.32 | 13.32 | 965 | 376 |
| 2038 | 0.3751 | 13.32 | 13.32 | 965 | 362 |
| 2039 | 0.3607 | 13.32 | 13.32 | 965 | 348 |
| 2040 | 0.3468 | 13.32 | 13.32 | 965 | 335 |
| 2041 | 0.3335 | 13.32 | 13.32 | 965 | 322 |
| 2042 | 0.3207 | 13.32 | 13.32 | 965 | 309 |
| 2043 | 0.3083 | 13.32 | 13.32 | 965 | 298 |
| 2044 | 0.2965 | 13.32 | 13.32 | 965 | 286 |
| 2045 | 0.2851 | 13.32 | 13.32 | 965 | 275 |
| 2046 | 0.2741 | 13.32 | 13.32 | 965 | 265 |
| 2047 | 0.2636 | 13.32 | 13.32 | 965 | 254 |
| 2048 | 0.2534 | 13.32 | 13.32 | 965 | 245 |
| 2049 | 0.2437 | 13.32 | 13.32 | 965 | 235 |
| 2050 | 0.2343 | 13.32 | 13.32 | 965 | 226 |

| | | | | | |
|------|--------|-------|-------|-----|--------|
| 2051 | 0.2253 | 13.32 | 13.32 | 965 | 217 |
| 2052 | 0.2166 | 13.32 | 13.32 | 965 | 209 |
| 2053 | 0.2083 | 13.32 | 13.32 | 965 | 201 |
| 2054 | 0.2003 | 13.32 | 13.32 | 965 | 193 |
| 2055 | 0.1926 | 13.32 | 13.32 | 965 | 186 |
| 2056 | 0.1852 | 13.32 | 13.32 | 965 | 179 |
| 2057 | 0.1780 | 13.32 | 13.32 | 965 | 172 |
| 2058 | 0.1712 | 13.32 | 13.32 | 965 | 165 |
| 2059 | 0.1646 | 13.32 | 13.32 | 965 | 159 |
| 2060 | 0.1583 | 13.32 | 13.32 | 965 | 153 |
| 2061 | 0.1522 | 13.32 | 13.32 | 965 | 147 |
| 2062 | 0.1463 | 13.32 | 13.32 | 965 | 141 |
| 2063 | 0.1407 | 13.32 | 13.32 | 965 | 136 |
| 2064 | 0.1353 | 13.32 | 13.32 | 965 | 131 |
| 2065 | 0.1301 | 13.32 | 13.32 | 965 | 126 |
| 2066 | 0.1251 | 13.32 | 13.32 | 965 | 121 |
| 2067 | 0.1203 | 13.32 | 13.32 | 965 | 116 |
| 2068 | 0.1157 | 13.32 | 13.32 | 965 | 112 |
| 2069 | 0.1112 | 13.32 | 13.32 | 965 | 107 |
| 2070 | 0.1069 | 13.32 | 13.32 | 965 | 103 |
| 2071 | 0.1028 | 13.32 | 13.32 | 965 | 99 |
| 2072 | 0.0989 | 13.32 | 13.32 | 965 | 95 |
| 2073 | 0.0951 | 13.32 | 13.32 | 965 | 92 |
| 2074 | 0.0914 | 13.32 | 13.32 | 965 | 88 |
| 2075 | 0.0879 | 13.32 | 13.32 | 965 | 85 |
| 2076 | 0.0845 | 13.32 | 13.32 | 965 | 82 |
| 2077 | 0.0813 | 13.32 | 13.32 | 965 | 78 |
| 2078 | 0.0781 | 13.32 | 13.32 | 965 | 75 |
| 2079 | 0.0751 | 13.32 | 13.32 | 965 | 72 |
| 2080 | 0.0722 | 13.32 | 13.32 | 965 | 70 |
| 合計 | | | | | 29,223 |

| | | | | | |
|------|--------|-------|-------|-------|--------|
| 2067 | 0.1203 | 13.32 | 13.32 | 1,395 | 168 |
| 2068 | 0.1157 | 13.32 | 13.32 | 1,395 | 161 |
| 2069 | 0.1112 | 13.32 | 13.32 | 1,395 | 155 |
| 2070 | 0.1069 | 13.32 | 13.32 | 1,395 | 149 |
| 2071 | 0.1028 | 13.32 | 13.32 | 1,395 | 143 |
| 2072 | 0.0989 | 13.32 | 13.32 | 1,395 | 138 |
| 2073 | 0.0951 | 13.32 | 13.32 | 1,395 | 133 |
| 2074 | 0.0914 | 13.32 | 13.32 | 1,395 | 128 |
| 2075 | 0.0879 | 13.32 | 13.32 | 1,395 | 123 |
| 2076 | 0.0845 | 13.32 | 13.32 | 1,395 | 118 |
| 2077 | 0.0813 | 13.32 | 13.32 | 1,395 | 113 |
| 2078 | 0.0781 | 13.32 | 13.32 | 1,395 | 109 |
| 2079 | 0.0751 | 13.32 | 13.32 | 1,395 | 105 |
| 2080 | 0.0722 | 13.32 | 13.32 | 1,395 | 101 |
| 合計 | | | | | 42,243 |

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

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

- 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 ~ 29.30
- A: 事業対象区域面積(ha) 13.32 ~ 13.32
- R: 流域内崩壊率 0.0169
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 0.8677
出典:気象統計情報(気象庁)
- H: 平均崩壊深(m) 1.5
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 |
|------|--------|----------|--------|-----|-------|
| 2000 | 1.6651 | | | | |
| 2001 | 1.6010 | 13.32 | 0.00 | 0 | 0 |
| 2002 | 1.5395 | 13.32 | 0.00 | 0 | 0 |
| 2003 | 1.4802 | 13.32 | 0.00 | 0 | 0 |
| 2004 | 1.4233 | 13.32 | 0.00 | 0 | 0 |
| 2005 | 1.3686 | 13.32 | 0.00 | 0 | 0 |
| 2006 | 1.3159 | 13.32 | 0.00 | 0 | 0 |
| 2007 | 1.2653 | 13.32 | 0.00 | 0 | 0 |
| 2008 | 1.2167 | 13.32 | 0.00 | 0 | 0 |
| 2009 | 1.1699 | 13.32 | 0.00 | 0 | 0 |
| 2010 | 1.1249 | 13.32 | 0.00 | 0 | 0 |
| 2011 | 1.0816 | 13.32 | 29.30 | 164 | 177 |
| 2012 | 1.0400 | 13.32 | 29.30 | 164 | 171 |
| 2013 | 1.0000 | 13.32 | 29.30 | 164 | 164 |
| 2014 | 0.9615 | 13.32 | 29.30 | 164 | 158 |
| 2015 | 0.9246 | 13.32 | 29.30 | 164 | 152 |
| 2016 | 0.8890 | 13.32 | 29.30 | 164 | 146 |
| 2017 | 0.8548 | 13.32 | 29.30 | 164 | 140 |
| 2018 | 0.8219 | 13.32 | 29.30 | 164 | 135 |
| 2019 | 0.7903 | 13.32 | 29.30 | 164 | 130 |
| 2020 | 0.7599 | 13.32 | 29.30 | 164 | 125 |
| 2021 | 0.7307 | 13.32 | 29.30 | 164 | 120 |
| 2022 | 0.7026 | 13.32 | 29.30 | 164 | 115 |
| 2023 | 0.6756 | 13.32 | 29.30 | 164 | 111 |
| 2024 | 0.6496 | 13.32 | 29.30 | 164 | 107 |
| 2025 | 0.6246 | 13.32 | 29.30 | 164 | 102 |
| 2026 | 0.6006 | 13.32 | 29.30 | 164 | 98 |
| 2027 | 0.5775 | 13.32 | 29.30 | 164 | 95 |
| 2028 | 0.5553 | 13.32 | 29.30 | 164 | 91 |
| 2029 | 0.5339 | 13.32 | 29.30 | 164 | 88 |
| 2030 | 0.5134 | 13.32 | 29.30 | 164 | 84 |
| 2031 | 0.4936 | 13.32 | 29.30 | 164 | 81 |
| 2032 | 0.4746 | 13.32 | 29.30 | 164 | 78 |
| 2033 | 0.4564 | 13.32 | 29.30 | 164 | 75 |
| 2034 | 0.4388 | 13.32 | 29.30 | 164 | 72 |
| 2035 | 0.4220 | 13.32 | 29.30 | 164 | 69 |
| 2036 | 0.4057 | 13.32 | 29.30 | 164 | 67 |
| 2037 | 0.3901 | 13.32 | 29.30 | 164 | 64 |
| 2038 | 0.3751 | 13.32 | 29.30 | 164 | 62 |
| 2039 | 0.3607 | 13.32 | 29.30 | 164 | 59 |
| 2040 | 0.3468 | 13.32 | 29.30 | 164 | 57 |
| 2041 | 0.3335 | 13.32 | 29.30 | 164 | 55 |
| 2042 | 0.3207 | 13.32 | 29.30 | 164 | 53 |
| 2043 | 0.3083 | 13.32 | 29.30 | 164 | 51 |
| 2044 | 0.2965 | 13.32 | 29.30 | 164 | 49 |
| 2045 | 0.2851 | 13.32 | 29.30 | 164 | 47 |
| 2046 | 0.2741 | 13.32 | 29.30 | 164 | 45 |
| 2047 | 0.2636 | 13.32 | 29.30 | 164 | 43 |
| 2048 | 0.2534 | 13.32 | 29.30 | 164 | 42 |
| 2049 | 0.2437 | 13.32 | 29.30 | 164 | 40 |
| 2050 | 0.2343 | 13.32 | 29.30 | 164 | 38 |
| 2051 | 0.2253 | 13.32 | 29.30 | 164 | 37 |
| 2052 | 0.2166 | 13.32 | 29.30 | 164 | 36 |
| 2053 | 0.2083 | 13.32 | 29.30 | 164 | 34 |
| 2054 | 0.2003 | 13.32 | 29.30 | 164 | 33 |
| 2055 | 0.1926 | 13.32 | 29.30 | 164 | 32 |
| 2056 | 0.1852 | 13.32 | 29.30 | 164 | 30 |
| 2057 | 0.1780 | 13.32 | 29.30 | 164 | 29 |
| 2058 | 0.1712 | 13.32 | 29.30 | 164 | 28 |

| | | | | | |
|------|--------|-------|-------|-----|-------|
| 2059 | 0.1646 | 13.32 | 29.30 | 164 | 27 |
| 2060 | 0.1583 | 13.32 | 29.30 | 164 | 26 |
| 2061 | 0.1522 | 13.32 | 29.30 | 164 | 25 |
| 2062 | 0.1463 | 13.32 | 29.30 | 164 | 24 |
| 2063 | 0.1407 | 13.32 | 29.30 | 164 | 23 |
| 2064 | 0.1353 | 13.32 | 29.30 | 164 | 22 |
| 2065 | 0.1301 | 13.32 | 29.30 | 164 | 21 |
| 2066 | 0.1251 | 13.32 | 29.30 | 164 | 21 |
| 2067 | 0.1203 | 13.32 | 29.30 | 164 | 20 |
| 2068 | 0.1157 | 13.32 | 29.30 | 164 | 19 |
| 2069 | 0.1112 | 13.32 | 29.30 | 164 | 18 |
| 2070 | 0.1069 | 13.32 | 29.30 | 164 | 18 |
| 2071 | 0.1028 | 13.32 | 29.30 | 164 | 17 |
| 2072 | 0.0989 | 13.32 | 29.30 | 164 | 16 |
| 2073 | 0.0951 | 13.32 | 29.30 | 164 | 16 |
| 2074 | 0.0914 | 13.32 | 29.30 | 164 | 15 |
| 2075 | 0.0879 | 13.32 | 29.30 | 164 | 14 |
| 2076 | 0.0845 | 13.32 | 29.30 | 164 | 14 |
| 2077 | 0.0813 | 13.32 | 29.30 | 164 | 13 |
| 2078 | 0.0781 | 13.32 | 29.30 | 164 | 13 |
| 2079 | 0.0751 | 13.32 | 29.30 | 164 | 12 |
| 2080 | 0.0722 | 13.32 | 29.30 | 164 | 12 |
| 合計 | | | | | 4,321 |

$$B = \sum_{t=1}^Y \frac{V2 - V1}{Y \times (1+i)^t} \times D \times BEF \times (1 + R) \times 0.5 \times \frac{44}{12} \times U$$

- U: 二酸化炭素に関する原単位(円/CO2-ton) 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)
- V1: 事業を実施しない場合の評価最終年の当該森林の見込蓄積量(m3) スギ 89
(事業を実施する場合の評価最終年の当該森林の見込蓄積量の1/2を想定) ヒノキ 2,003
前生広葉樹等 72
0
0
0
- V2: 事業を実施する場合の評価最終年の当該森林の見込蓄積量(m3) スギ 178
出典:人工林分密度管理図((一社)日本森林技術協会)、 ヒノキ 4,005
森林農地整備センター収穫予測表((独)森林総合研究所)等 前生広葉樹等 144
0
0
0
- Y: 評価期間 80
- D: 容積密度(t/m3) スギ 0.314
出典:「日本国温室効果ガスインベントリ報告書」(2012年4月)(国立環境 ヒノキ 0.407
研究所温室効果ガスインベントリオフィス編) 前生広葉樹等 0.624
0
0
0
- BEF: バイオマス拡大係数(地上部バイオマス量/幹バイオマス量) 樹齢20年越 スギ 1.23
出典:「日本国温室効果ガスインベントリ報告書」(2012年4月)(国立環境 樹齢20年越 ヒノキ 1.24
研究所温室効果ガスインベントリオフィス編) 樹齢20年越 前生広葉樹等 1.26
樹齢20年越 0
樹齢20年越 0
樹齢20年越 0
- R: 地上部に対する地下部の比率(地下部バイオマス量/地上部バイオマス量) スギ 0.25
出典:「日本国温室効果ガスインベントリ報告書」(2012年4月)(国立環境 ヒノキ 0.26
研究所温室効果ガスインベントリオフィス編) 前生広葉樹等 0.26
0
0
0
- 0.5: 植物中の炭素含有率
- 44/12: 炭素から二酸化炭素への換算係数

| 年度 | 社会的割引率 | スギ | | ヒノキ | | 前生広葉樹等 | | | | | | | |
|------|--------|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|
| | | 事業効果蓄積 | 効果額 | 事業効果蓄積 | 効果額 | 事業効果蓄積 | 効果額 | 事業効果蓄積 | 効果額 | 事業効果蓄積 | 効果額 | 事業効果蓄積 | 効果額 |
| 2000 | 1.6651 | | | | | | | | | | | | |
| 2001 | 1.6010 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2002 | 1.5395 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2003 | 1.4802 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2004 | 1.4233 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2005 | 1.3686 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2006 | 1.3159 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2007 | 1.2653 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2008 | 1.2167 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2009 | 1.1699 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2010 | 1.1249 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2011 | 1.0816 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2012 | 1.0400 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2013 | 1.0000 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2014 | 0.9615 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2015 | 0.9246 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2016 | 0.8890 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2017 | 0.8548 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2018 | 0.8219 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2019 | 0.7903 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2020 | 0.7599 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2021 | 0.7307 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2022 | 0.7026 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2023 | 0.6756 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2024 | 0.6496 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2025 | 0.6246 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2026 | 0.6006 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2027 | 0.5775 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2028 | 0.5553 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2029 | 0.5339 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2030 | 0.5134 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2031 | 0.4936 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2032 | 0.4746 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |
| 2033 | 0.4564 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | |

| | | | | | | | | | | | | | | |
|------|--------|------|---|-------|-----|------|----|--|--|--|--|--|--|--|
| 2034 | 0.4388 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2035 | 0.4220 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2036 | 0.4057 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2037 | 0.3901 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2038 | 0.3751 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2039 | 0.3607 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2040 | 0.3468 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2041 | 0.3335 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2042 | 0.3207 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2043 | 0.3083 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2044 | 0.2965 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2045 | 0.2851 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2046 | 0.2741 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2047 | 0.2636 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2048 | 0.2534 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2049 | 0.2437 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2050 | 0.2343 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2051 | 0.2253 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2052 | 0.2166 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2053 | 0.2083 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2054 | 0.2003 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2055 | 0.1926 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2056 | 0.1852 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2057 | 0.1780 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2058 | 0.1712 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2059 | 0.1646 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2060 | 0.1583 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2061 | 0.1522 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2062 | 0.1463 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2063 | 0.1407 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2064 | 0.1353 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2065 | 0.1301 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2066 | 0.1251 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2067 | 0.1203 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2068 | 0.1157 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2069 | 0.1112 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2070 | 0.1069 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2071 | 0.1028 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2072 | 0.0989 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2073 | 0.0951 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2074 | 0.0914 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2075 | 0.0879 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2076 | 0.0845 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2077 | 0.0813 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2078 | 0.0781 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2079 | 0.0751 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 2080 | 0.0722 | 1.11 | 6 | 25.03 | 176 | 0.90 | 10 | | | | | | | |
| 合計 | | | | | | | | | | | | | | |

| 年度 | 社会の割引率 | 合計 | |
|------|--------|-----|-------|
| | | 効果額 | 現在価値化 |
| 2000 | 1.6651 | | |
| 2001 | 1.6010 | 192 | 307 |
| 2002 | 1.5395 | 192 | 296 |
| 2003 | 1.4802 | 192 | 284 |
| 2004 | 1.4233 | 192 | 273 |
| 2005 | 1.3686 | 192 | 263 |
| 2006 | 1.3159 | 192 | 253 |
| 2007 | 1.2653 | 192 | 243 |
| 2008 | 1.2167 | 192 | 234 |
| 2009 | 1.1699 | 192 | 225 |
| 2010 | 1.1249 | 192 | 216 |
| 2011 | 1.0816 | 192 | 208 |
| 2012 | 1.0400 | 192 | 200 |
| 2013 | 1.0000 | 192 | 192 |
| 2014 | 0.9615 | 192 | 185 |
| 2015 | 0.9246 | 192 | 178 |
| 2016 | 0.8890 | 192 | 171 |
| 2017 | 0.8548 | 192 | 164 |
| 2018 | 0.8219 | 192 | 158 |
| 2019 | 0.7903 | 192 | 152 |
| 2020 | 0.7599 | 192 | 146 |
| 2021 | 0.7307 | 192 | 140 |
| 2022 | 0.7026 | 192 | 135 |
| 2023 | 0.6756 | 192 | 130 |
| 2024 | 0.6496 | 192 | 125 |
| 2025 | 0.6246 | 192 | 120 |
| 2026 | 0.6006 | 192 | 115 |
| 2027 | 0.5775 | 192 | 111 |
| 2028 | 0.5553 | 192 | 107 |
| 2029 | 0.5339 | 192 | 103 |
| 2030 | 0.5134 | 192 | 99 |
| 2031 | 0.4936 | 192 | 95 |
| 2032 | 0.4746 | 192 | 91 |
| 2033 | 0.4564 | 192 | 88 |
| 2034 | 0.4388 | 192 | 84 |
| 2035 | 0.4220 | 192 | 81 |
| 2036 | 0.4057 | 192 | 78 |
| 2037 | 0.3901 | 192 | 75 |
| 2038 | 0.3751 | 192 | 72 |

| | | | |
|------|--------|-----|-------|
| 2039 | 0.3607 | 192 | 69 |
| 2040 | 0.3468 | 192 | 67 |
| 2041 | 0.3335 | 192 | 64 |
| 2042 | 0.3207 | 192 | 62 |
| 2043 | 0.3083 | 192 | 59 |
| 2044 | 0.2965 | 192 | 57 |
| 2045 | 0.2851 | 192 | 55 |
| 2046 | 0.2741 | 192 | 53 |
| 2047 | 0.2636 | 192 | 51 |
| 2048 | 0.2534 | 192 | 49 |
| 2049 | 0.2437 | 192 | 47 |
| 2050 | 0.2343 | 192 | 45 |
| 2051 | 0.2253 | 192 | 43 |
| 2052 | 0.2166 | 192 | 42 |
| 2053 | 0.2083 | 192 | 40 |
| 2054 | 0.2003 | 192 | 38 |
| 2055 | 0.1926 | 192 | 37 |
| 2056 | 0.1852 | 192 | 36 |
| 2057 | 0.1780 | 192 | 34 |
| 2058 | 0.1712 | 192 | 33 |
| 2059 | 0.1646 | 192 | 32 |
| 2060 | 0.1583 | 192 | 30 |
| 2061 | 0.1522 | 192 | 29 |
| 2062 | 0.1463 | 192 | 28 |
| 2063 | 0.1407 | 192 | 27 |
| 2064 | 0.1353 | 192 | 26 |
| 2065 | 0.1301 | 192 | 25 |
| 2066 | 0.1251 | 192 | 24 |
| 2067 | 0.1203 | 192 | 23 |
| 2068 | 0.1157 | 192 | 22 |
| 2069 | 0.1112 | 192 | 21 |
| 2070 | 0.1069 | 192 | 21 |
| 2071 | 0.1028 | 192 | 20 |
| 2072 | 0.0989 | 192 | 19 |
| 2073 | 0.0951 | 192 | 18 |
| 2074 | 0.0914 | 192 | 18 |
| 2075 | 0.0879 | 192 | 17 |
| 2076 | 0.0845 | 192 | 16 |
| 2077 | 0.0813 | 192 | 16 |
| 2078 | 0.0781 | 192 | 15 |
| 2079 | 0.0751 | 192 | 14 |
| 2080 | 0.0722 | 192 | 14 |
| 合計 | | | 7.653 |

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

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

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

- 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 13.32 ~ 13.32
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) 85.31
出典:「日本国温室効果ガスインベントリ報告書」(2012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」「森林の公益的機能に関する文献要約集」「森林水文」

| | | |
|---------|-----|--|
| ①事業対象区域 | 荒地等 | |
|---------|-----|--|
- 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」「森林の公益的機能に関する文献要約集」「森林水文」

| | | |
|---------|-------|--|
| ①事業対象区域 | 整備済森林 | |
|---------|-------|--|
- 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 | | | | 効果対象面積 | 効果額 | 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 | | | |
| 2000 | 1.6651 | | | | | | | |
| 2001 | 1.6010 | 13.32 | 0.89 | 3 | 5 | | | |
| 2002 | 1.5395 | 13.32 | 1.78 | 6 | 9 | | | |
| 2003 | 1.4802 | 13.32 | 2.66 | 9 | 13 | | | |
| 2004 | 1.4233 | 13.32 | 3.55 | 13 | 19 | | | |
| 2005 | 1.3686 | 13.32 | 4.44 | 16 | 22 | | | |
| 2006 | 1.3159 | 13.32 | 5.33 | 19 | 25 | | | |
| 2007 | 1.2653 | 13.32 | 6.22 | 22 | 28 | | | |
| 2008 | 1.2167 | 13.32 | 7.10 | 25 | 30 | | | |
| 2009 | 1.1699 | 13.32 | 7.99 | 28 | 33 | | | |
| 2010 | 1.1249 | 13.32 | 8.88 | 31 | 35 | | | |
| 2011 | 1.0816 | 13.32 | 9.77 | 34 | 37 | | | |
| 2012 | 1.0400 | 13.32 | 10.66 | 38 | 40 | | | |
| 2013 | 1.0000 | 13.32 | 11.54 | 41 | 41 | | | |
| 2014 | 0.9615 | 13.32 | 12.43 | 44 | 42 | | | |
| 2015 | 0.9246 | 13.32 | 13.32 | 47 | 43 | | | |
| 2016 | 0.8890 | 13.32 | 13.32 | 47 | 42 | | | |
| 2017 | 0.8548 | 13.32 | 13.32 | 47 | 40 | | | |
| 2018 | 0.8219 | 13.32 | 13.32 | 47 | 39 | | | |
| 2019 | 0.7903 | 13.32 | 13.32 | 47 | 37 | | | |
| 2020 | 0.7599 | 13.32 | 13.32 | 47 | 36 | | | |
| 2021 | 0.7307 | 13.32 | 13.32 | 47 | 34 | | | |
| 2022 | 0.7026 | 13.32 | 13.32 | 47 | 33 | | | |
| 2023 | 0.6756 | 13.32 | 13.32 | 47 | 32 | | | |
| 2024 | 0.6496 | 13.32 | 13.32 | 47 | 31 | | | |
| 2025 | 0.6246 | 13.32 | 13.32 | 47 | 29 | | | |
| 2026 | 0.6006 | 13.32 | 13.32 | 47 | 28 | | | |
| 2027 | 0.5775 | 13.32 | 13.32 | 47 | 27 | | | |
| 2028 | 0.5553 | 13.32 | 13.32 | 47 | 26 | | | |
| 2029 | 0.5339 | 13.32 | 13.32 | 47 | 25 | | | |
| 2030 | 0.5134 | 13.32 | 13.32 | 47 | 24 | | | |
| 2031 | 0.4936 | 13.32 | 13.32 | 47 | 23 | | | |
| 2032 | 0.4746 | 13.32 | 13.32 | 47 | 22 | | | |
| 2033 | 0.4564 | 13.32 | 13.32 | 47 | 21 | | | |
| 2034 | 0.4388 | 13.32 | 13.32 | 47 | 21 | | | |
| 2035 | 0.4220 | 13.32 | 13.32 | 47 | 20 | | | |
| 2036 | 0.4057 | 13.32 | 13.32 | 47 | 19 | | | |
| 2037 | 0.3901 | 13.32 | 13.32 | 47 | 18 | | | |
| 2038 | 0.3751 | 13.32 | 13.32 | 47 | 18 | | | |
| 2039 | 0.3607 | 13.32 | 13.32 | 47 | 17 | | | |

| | | | | | | | | |
|------|--------|-------|-------|----|-------|--|--|---|
| 2040 | 0.3468 | 13.32 | 13.32 | 47 | 16 | | | |
| 2041 | 0.3335 | 13.32 | 13.32 | 47 | 16 | | | |
| 2042 | 0.3207 | 13.32 | 13.32 | 47 | 15 | | | |
| 2043 | 0.3083 | 13.32 | 13.32 | 47 | 14 | | | |
| 2044 | 0.2965 | 13.32 | 13.32 | 47 | 14 | | | |
| 2045 | 0.2851 | 13.32 | 13.32 | 47 | 13 | | | |
| 2046 | 0.2741 | 13.32 | 13.32 | 47 | 13 | | | |
| 2047 | 0.2636 | 13.32 | 13.32 | 47 | 12 | | | |
| 2048 | 0.2534 | 13.32 | 13.32 | 47 | 12 | | | |
| 2049 | 0.2437 | 13.32 | 13.32 | 47 | 11 | | | |
| 2050 | 0.2343 | 13.32 | 13.32 | 47 | 11 | | | |
| 2051 | 0.2253 | 13.32 | 13.32 | 47 | 11 | | | |
| 2052 | 0.2166 | 13.32 | 13.32 | 47 | 10 | | | |
| 2053 | 0.2083 | 13.32 | 13.32 | 47 | 10 | | | |
| 2054 | 0.2003 | 13.32 | 13.32 | 47 | 9 | | | |
| 2055 | 0.1926 | 13.32 | 13.32 | 47 | 9 | | | |
| 2056 | 0.1852 | 13.32 | 13.32 | 47 | 9 | | | |
| 2057 | 0.1780 | 13.32 | 13.32 | 47 | 8 | | | |
| 2058 | 0.1712 | 13.32 | 13.32 | 47 | 8 | | | |
| 2059 | 0.1646 | 13.32 | 13.32 | 47 | 8 | | | |
| 2060 | 0.1583 | 13.32 | 13.32 | 47 | 7 | | | |
| 2061 | 0.1522 | 13.32 | 13.32 | 47 | 7 | | | |
| 2062 | 0.1463 | 13.32 | 13.32 | 47 | 7 | | | |
| 2063 | 0.1407 | 13.32 | 13.32 | 47 | 7 | | | |
| 2064 | 0.1353 | 13.32 | 13.32 | 47 | 6 | | | |
| 2065 | 0.1301 | 13.32 | 13.32 | 47 | 6 | | | |
| 2066 | 0.1251 | 13.32 | 13.32 | 47 | 6 | | | |
| 2067 | 0.1203 | 13.32 | 13.32 | 47 | 6 | | | |
| 2068 | 0.1157 | 13.32 | 13.32 | 47 | 5 | | | |
| 2069 | 0.1112 | 13.32 | 13.32 | 47 | 5 | | | |
| 2070 | 0.1069 | 13.32 | 13.32 | 47 | 5 | | | |
| 2071 | 0.1028 | 13.32 | 13.32 | 47 | 5 | | | |
| 2072 | 0.0989 | 13.32 | 13.32 | 47 | 5 | | | |
| 2073 | 0.0951 | 13.32 | 13.32 | 47 | 4 | | | |
| 2074 | 0.0914 | 13.32 | 13.32 | 47 | 4 | | | |
| 2075 | 0.0879 | 13.32 | 13.32 | 47 | 4 | | | |
| 2076 | 0.0845 | 13.32 | 13.32 | 47 | 4 | | | |
| 2077 | 0.0813 | 13.32 | 13.32 | 47 | 4 | | | |
| 2078 | 0.0781 | 13.32 | 13.32 | 47 | 4 | | | |
| 2079 | 0.0751 | 13.32 | 13.32 | 47 | 4 | | | |
| 2080 | 0.0722 | 13.32 | 13.32 | 47 | 3 | | | |
| 合計 | | | | | 1,421 | | | 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)
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

スギ 0.00 ~ 142.08
ヒノキ 0.00 ~ 3,003.90
前生広葉樹等 0.00 ~ 144.10
0
0
0

@: 人工林 主伐材 木材市場価格(円/m3)
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24年3月末現

スギ 1,898
ヒノキ 7,260
前生広葉樹等 0
0
0
0

| 年度 | 社会的割引率 | スギ | | ヒノキ | | 前生広葉樹等 | | 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 | 事業効果材積 | 効果額 | | | | |
| 2000 | 1.6651 | | | | | | | | | | |
| 2001 | 1.6010 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2002 | 1.5395 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2003 | 1.4802 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2004 | 1.4233 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2005 | 1.3686 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2006 | 1.3159 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2007 | 1.2653 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2008 | 1.2167 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2009 | 1.1699 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2010 | 1.1249 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2011 | 1.0816 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2012 | 1.0400 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2013 | 1.0000 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2014 | 0.9615 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2015 | 0.9246 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2016 | 0.8890 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2017 | 0.8548 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2018 | 0.8219 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2019 | 0.7903 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2020 | 0.7599 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2021 | 0.7307 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2022 | 0.7026 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2023 | 0.6756 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2024 | 0.6496 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2025 | 0.6246 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2026 | 0.6006 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2027 | 0.5775 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2028 | 0.5553 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2029 | 0.5339 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2030 | 0.5134 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2031 | 0.4936 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2032 | 0.4746 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2033 | 0.4564 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2034 | 0.4388 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2035 | 0.4220 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2036 | 0.4057 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2037 | 0.3901 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2038 | 0.3751 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2039 | 0.3607 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2040 | 0.3468 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2041 | 0.3335 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2042 | 0.3207 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2043 | 0.3083 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2044 | 0.2965 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2045 | 0.2851 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2046 | 0.2741 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2047 | 0.2636 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2048 | 0.2534 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2049 | 0.2437 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2050 | 0.2343 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2051 | 0.2253 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2052 | 0.2166 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2053 | 0.2083 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2054 | 0.2003 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2055 | 0.1926 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2056 | 0.1852 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2057 | 0.1780 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2058 | 0.1712 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2059 | 0.1646 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |

| | | | | | | | | | | | |
|------|--------|--------|-----|----------|--------|--------|---|--|--|--|--|
| 2060 | 0.1583 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2061 | 0.1522 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2062 | 0.1463 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2063 | 0.1407 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2064 | 0.1353 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2065 | 0.1301 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2066 | 0.1251 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2067 | 0.1203 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2068 | 0.1157 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2069 | 0.1112 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2070 | 0.1069 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2071 | 0.1028 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2072 | 0.0989 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2073 | 0.0951 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2074 | 0.0914 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2075 | 0.0879 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2076 | 0.0845 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2077 | 0.0813 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2078 | 0.0781 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2079 | 0.0751 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | | | | |
| 2080 | 0.0722 | 142.08 | 270 | 3,003.90 | 21,808 | 144.10 | 0 | | | | |
| 合計 | | | | | | | | | | | |

| | | 合計 | | | |
|------|--------|--------|-----|-----|-------|
| 年度 | 社会的割引率 | 事業効果材積 | 効果額 | 効果額 | 現在価値化 |
| 2000 | 1.6651 | | | | |
| 2001 | 1.6010 | | | 0 | 0 |
| 2002 | 1.5395 | | | 0 | 0 |
| 2003 | 1.4802 | | | 0 | 0 |
| 2004 | 1.4233 | | | 0 | 0 |
| 2005 | 1.3686 | | | 0 | 0 |
| 2006 | 1.3159 | | | 0 | 0 |
| 2007 | 1.2653 | | | 0 | 0 |
| 2008 | 1.2167 | | | 0 | 0 |
| 2009 | 1.1699 | | | 0 | 0 |
| 2010 | 1.1249 | | | 0 | 0 |
| 2011 | 1.0816 | | | 0 | 0 |
| 2012 | 1.0400 | | | 0 | 0 |
| 2013 | 1.0000 | | | 0 | 0 |
| 2014 | 0.9615 | | | 0 | 0 |
| 2015 | 0.9246 | | | 0 | 0 |
| 2016 | 0.8890 | | | 0 | 0 |
| 2017 | 0.8548 | | | 0 | 0 |
| 2018 | 0.8219 | | | 0 | 0 |
| 2019 | 0.7903 | | | 0 | 0 |
| 2020 | 0.7599 | | | 0 | 0 |
| 2021 | 0.7307 | | | 0 | 0 |
| 2022 | 0.7026 | | | 0 | 0 |
| 2023 | 0.6756 | | | 0 | 0 |
| 2024 | 0.6496 | | | 0 | 0 |
| 2025 | 0.6246 | | | 0 | 0 |
| 2026 | 0.6006 | | | 0 | 0 |
| 2027 | 0.5775 | | | 0 | 0 |
| 2028 | 0.5553 | | | 0 | 0 |
| 2029 | 0.5339 | | | 0 | 0 |
| 2030 | 0.5134 | | | 0 | 0 |
| 2031 | 0.4936 | | | 0 | 0 |
| 2032 | 0.4746 | | | 0 | 0 |
| 2033 | 0.4564 | | | 0 | 0 |
| 2034 | 0.4388 | | | 0 | 0 |
| 2035 | 0.4220 | | | 0 | 0 |
| 2036 | 0.4057 | | | 0 | 0 |
| 2037 | 0.3901 | | | 0 | 0 |
| 2038 | 0.3751 | | | 0 | 0 |
| 2039 | 0.3607 | | | 0 | 0 |
| 2040 | 0.3468 | | | 0 | 0 |
| 2041 | 0.3335 | | | 0 | 0 |
| 2042 | 0.3207 | | | 0 | 0 |
| 2043 | 0.3083 | | | 0 | 0 |
| 2044 | 0.2965 | | | 0 | 0 |
| 2045 | 0.2851 | | | 0 | 0 |
| 2046 | 0.2741 | | | 0 | 0 |
| 2047 | 0.2636 | | | 0 | 0 |
| 2048 | 0.2534 | | | 0 | 0 |
| 2049 | 0.2437 | | | 0 | 0 |
| 2050 | 0.2343 | | | 0 | 0 |
| 2051 | 0.2253 | | | 0 | 0 |
| 2052 | 0.2166 | | | 0 | 0 |
| 2053 | 0.2083 | | | 0 | 0 |
| 2054 | 0.2003 | | | 0 | 0 |
| 2055 | 0.1926 | | | 0 | 0 |
| 2056 | 0.1852 | | | 0 | 0 |
| 2057 | 0.1780 | | | 0 | 0 |
| 2058 | 0.1712 | | | 0 | 0 |
| 2059 | 0.1646 | | | 0 | 0 |
| 2060 | 0.1583 | | | 0 | 0 |
| 2061 | 0.1522 | | | 0 | 0 |
| 2062 | 0.1463 | | | 0 | 0 |
| 2063 | 0.1407 | | | 0 | 0 |
| 2064 | 0.1353 | | | 0 | 0 |

| | | | | | |
|------|--------|--|--|--------|-------|
| 2065 | 0.1301 | | | 0 | 0 |
| 2066 | 0.1251 | | | 0 | 0 |
| 2067 | 0.1203 | | | 0 | 0 |
| 2068 | 0.1157 | | | 0 | 0 |
| 2069 | 0.1112 | | | 0 | 0 |
| 2070 | 0.1069 | | | 0 | 0 |
| 2071 | 0.1028 | | | 0 | 0 |
| 2072 | 0.0989 | | | 0 | 0 |
| 2073 | 0.0951 | | | 0 | 0 |
| 2074 | 0.0914 | | | 0 | 0 |
| 2075 | 0.0879 | | | 0 | 0 |
| 2076 | 0.0845 | | | 0 | 0 |
| 2077 | 0.0813 | | | 0 | 0 |
| 2078 | 0.0781 | | | 0 | 0 |
| 2079 | 0.0751 | | | 0 | 0 |
| 2080 | 0.0722 | | | 22,078 | 1,594 |
| 合計 | | | | | 1,594 |