

(別添)

公共事業の事業評価書(林野公共事業の期中の評価)(平成25年5月15日公表)の一部修正 正誤表

| 正 | 誤 | | | | | | | | | | | | | | | | |
|--|--|---------|--------------------------|------------------|---------|------------------|--------|--------------------------|--|-----|---------|--------|------------------|---------|------------------|--------|--------------------------|
| <p>地区別評価結果</p> <p>1 独立行政法人事業 水源林造成事業 (22)四万十川流域50年以上経過分(評価書)</p> | <p>地区別評価結果</p> <p>1 独立行政法人事業 水源林造成事業 (22)四万十川流域50年以上経過分(評価書)</p> | | | | | | | | | | | | | | | | |
| 整理番号 22-1 | 整理番号 22-1 | | | | | | | | | | | | | | | | |
| 期中の評価個表 | 期中の評価個表 | | | | | | | | | | | | | | | | |
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| <p>事業の概要・目的</p> <p>当事業は、温暖で降水量が多く、台風の常襲地帯である四万十川広域流域内の高知県四万十市外7市町の民間による造林が困難な奥地水源地域において水源を涵養するため、独立行政法人森林総合研究所が分取造林契約の当事者となつて、急速かつ計画的に森林の造成を行うことを目的としている。</p> <p>具体的には、水源涵養保安林及び同予定地のうち、無立木地、散生地、粗悪林相地等において、独立行政法人森林総合研究所が造林地所有者、造林者と分取造林契約を締結し、新植・下刈・除伐・保育間伐など森林整備のための費用負担及び健全な森林の育成に向け事業実行に関する技術指導を行い、水源林を造成するものである。</p> <p>・主な事業内容：契約件数 53件、事業対象区域面積 2,474ha ・総事業費： 9,240,832千円</p> | <p>事業の概要・目的</p> <p>当事業は、温暖で降水量が多く、台風の常襲地帯である四万十川広域流域内の高知県四万十市外7市町の民間による造林が困難な奥地水源地域において水源を涵養するため、独立行政法人森林総合研究所が分取造林契約の当事者となつて、急速かつ計画的に森林の造成を行うことを目的としている。</p> <p>具体的には、水源涵養保安林及び同予定地のうち、無立木地、散生地、粗悪林相地等において、独立行政法人森林総合研究所が造林地所有者、造林者と分取造林契約を締結し、新植・下刈・除伐・保育間伐など森林整備のための費用負担及び健全な森林の育成に向け事業実行に関する技術指導を行い、水源林を造成するものである。</p> <p>・主な事業内容：契約件数 53件、事業対象区域面積 2,474ha ・総事業費： 9,240,832千円</p> | | | | | | | | | | | | | | | | |
| <p>① 費用対効果分析の算定基礎となった要因の変化等</p> <p>当事業の費用対効果分析における主な効果は、水源涵養便益であり、植栽や保育により森林を造成し、洪水防止、流域貯水、水質浄化に寄与する効果である。また、山地保全便益については、森林を造成し土砂流出や山腹崩壊等の防止に寄与する効果である。</p> <p>現時点における50年経過分の造林地の費用対効果分析の結果は以下のとおりである。</p> <p style="text-align: right;"> 総便益 (B) 55,885,602千円 総費用 (C) 26,518,924千円 分析結果 (B/C) 2.11 </p> | <p>① 費用対効果分析の算定基礎となった要因の変化等</p> <p>当事業の費用対効果分析における主な効果は、水源涵養便益であり、植栽や保育により森林を造成し、洪水防止、流域貯水、水質浄化に寄与する効果である。また、山地保全便益については、森林を造成し土砂流出や山腹崩壊等の防止に寄与する効果である。</p> <p>現時点における50年経過分の造林地の費用対効果分析の結果は以下のとおりである。</p> <p style="text-align: right;"> 総便益 (B) 55,975,596千円 総費用 (C) 26,518,924千円 分析結果 (B/C) 2.11 </p> | | | | | | | | | | | | | | | | |
| <p>② 森林・林業情勢、農山漁村の状況その他の社会経済情勢の変化</p> <p>当該流域が属する愛媛県及び高知県における私有林の未立木地面積は、昭和45年の13,175haから一貫して減少傾向にあるが、平成19年には10,028haとなつており、引き続き森林造成が必要である。</p> <p>また、これらの県における私有林の不在村者所有森林面積は、昭和45年の105,493haから平成17年の188,460haと増加傾向にあり、林業就業者は、昭和45年の13,267人から平成22年の4,567人と減少し、平成22年の65歳以上の割合は22%と高齢化も進行している。さらに、木材生産額は、昭和55年の24,847百万円から平成22年の4,765百万円と減少している。これらのことから、地域の森林の管理水準の低下が危惧される。</p> <p>こうした中、水源林造成事業については、水源涵養機能等の向上を図りながら、その実施を通じ、地域の雇用にも貢献してきたところ。また、事業地が主伐期を迎える中、今後は、地域の木材供給に貢献できるよう取り組むこととしている。</p> | <p>② 森林・林業情勢、農山漁村の状況その他の社会経済情勢の変化</p> <p>当該流域が属する愛媛県及び高知県における私有林の未立木地面積は、昭和45年の13,175haから一貫して減少傾向にあるが、平成19年には10,028haとなつており、引き続き森林造成が必要である。</p> <p>また、これらの県における私有林の不在村者所有森林面積は、昭和45年の105,493haから平成17年の188,460haと増加傾向にあり、林業就業者は、昭和45年の13,267人から平成22年の4,567人と減少し、平成22年の65歳以上の割合は22%と高齢化も進行している。さらに、木材生産額は、昭和55年の24,847百万円から平成22年の4,765百万円と減少している。これらのことから、地域の森林の管理水準の低下が危惧される。</p> <p>こうした中、水源林造成事業については、水源涵養機能等の向上を図りながら、その実施を通じ、地域の雇用にも貢献してきたところ。また、事業地が主伐期を迎える中、今後は、地域の木材供給に貢献できるよう取り組むこととしている。</p> | | | | | | | | | | | | | | | | |
| <p>③ 事業の進捗状況</p> <p>50年経過分の造林地の植栽木の生育状況(注1)は、ヒノキ49年生で樹高15m、胸高直径22cm、1ha当たり材積312m³となつており、概ね順調な生育状況である。</p> <p>なお、風害等によって広葉樹林化した林分の占める割合は、植栽面積の7%である。</p> <p>(注1) 林齢別の生育状況を林齢別面積で加重平均したもの。</p> | <p>③ 事業の進捗状況</p> <p>50年経過分の造林地の植栽木の生育状況(注1)は、ヒノキ49年生で樹高15m、胸高直径22cm、1ha当たり材積312m³となつており、概ね順調な生育状況である。</p> <p>なお、風害等によって広葉樹林化した林分の占める割合は、植栽面積の7%である。</p> <p>(注1) 林齢別の生育状況を林齢別面積で加重平均したもの。</p> | | | | | | | | | | | | | | | | |

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| ⑥ 事業コスト削減等の可能性 | 費用対効果分析の結果から効率性は確保されているが、さらに、間伐の実施に当たっては、契約相手方(造林地所有者、造林者)の理解を得るなかで間伐木の選木及び間伐手法を工夫(列状間伐や間伐率を最大限に適用した強度な間伐等)することによりコスト削減に努めることとしている。 | | | | | | | | | | | | | | | | | | | | | | | | |
| ⑦ 代替案の実現可能性 | 該当なし。 | | | | | | | | | | | | | | | | | | | | | | | | |
| 第三者委員会の意見 | 費用対効果分析結果、森林・林業情勢、植栽木等の生育状況、事業コスト削減の取組等、事業の公益性を総合的に検討した結果、水源林としての機能を十分発揮していることから、事業を継続することが適当と考える。 | | | | | | | | | | | | | | | | | | | | | | | | |
| 評価結果及び事業の実施方針 | <ul style="list-style-type: none"> ・必要性：温暖で降水量が多く、台風の常襲地帯である本流域の奥地条件不利地域等において健全な森林の育成に向けた取り組みが計画的に行われてきており、引き続き水源林造成事業による事業の必要性が認められる。 ・効率性：費用対効果分析結果の他、間伐の実施に当たっては、契約相手方(造林地所有者、造林者)の理解を得るなかで間伐木の選木及び間伐手法を工夫(列状間伐や間伐率を最大限に適用した強度な間伐等)することによりコスト削減に努めており、事業の効率性が認められる。 ・有効性：植栽地は順調な生育を示しており、水源涵養などの水土保持機能を着実に発揮している上、地域雇用への貢献や木材供給といった効果もあり、事業の有効性が認められる。 <p>事業の実施方針：継続が妥当</p> | | | | | | | | | | | | | | | | | | | | | | | | |

(別添)

公共事業の事業評価書(林野公共事業の期中の評価)(平成25年5月15日公表)の一部修正 正誤表

| 正 | | 誤 | | | | | | |
|---|---|---|----|---------|---|------------|------------|--|
| 地区別評価結果 | | 地区別評価結果 | | | | | | |
| 1 独立行政法人事業 水源林造成事業 (22)四万十川流域50年以上経過分(評価書) | | 1 独立行政法人事業 水源林造成事業 (22)四万十川流域50年以上経過分(評価書) | | | | | | |
| 様式1 便益集計表 (森林整備事業) 事業名：水源林造成事業 施行箇所：四万十川広域流域 50年経過契約地 (単位：千円) | | 様式1 便益集計表 (森林整備事業) 事業名：水源林造成事業 施行箇所：四万十川広域流域 50年経過契約地 (単位：千円) | | | | | | |
| 大区分 | 中区分 | 評価額 | 備考 | 大区分 | 中区分 | 評価額 | 備考 | |
| 水源涵養便益 | 洪水防止便益 | 14,868,821 | | 水源涵養便益 | 洪水防止便益 | 14,868,821 | | |
| | 流域貯水便益 | 5,738,058 | | | 水源涵養便益 | 流域貯水便益 | 5,738,058 | |
| | 水質浄化便益 | 13,734,515 | | | | 水質浄化便益 | 13,612,451 | |
| 山地保全便益 | 土砂流出防止便益 | 16,954,299 | | 山地保全便益 | 土砂流出防止便益 | 16,954,299 | | |
| | 土砂崩壊防止便益 | 253,944 | | | 土砂崩壊防止便益 | 253,944 | | |
| 環境保全便益 | 炭素固定便益 | 3,928,590 | | 環境保全便益 | 炭素固定便益 | 3,928,590 | | |
| 木材生産等便益 | 木材生産確保・増進便益 | 407,575 | | 木材生産等便益 | 木材生産確保・増進便益 | 619,633 | | |
| 総便益 (B) | | 55,885,602 | | 総便益 (B) | | 55,975,596 | | |
| 総費用 (C) | | 26,518,924 | 千円 | 総費用 (C) | | 26,518,924 | 千円 | |
| 費用便益比 | $B \div C = \frac{55,885,602}{26,518,924} = 2.11$ | | | 費用便益比 | $B \div C = \frac{55,975,596}{26,518,924} = 2.11$ | | | |

(別添)

公共事業の事業評価書(林野公共事業の期中の評価)(平成25年5月15日公表)の一部修正 正誤表

正

地区別評価結果

1 独立行政法人事業
水源林造成事業
(22)四万十川流域50年以上経過分(参考資料)
水源涵養便益 水質浄化便益

水源涵養便益
水質浄化便益
事業効果区域

13,734,515

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

$$u = \frac{Ux \times Qx + Uy \times Qy}{Qx + Qy}$$

Qx: 全貯留量のうち生活用水使用相当量 155.00 億

Qy: 全貯留量 - Qx 1,707.30 億

A: 事業対象区域面積 (ha) 1,204.43

P: 年間平均降雨量 (mm/年) 2.187
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」(近藤ら、1987)

D2: 事業実施後、7年経過後の貯留率 0.56
出典: 「森林の間伐と水収支」(近藤ら、1987)

Ux: 単位当たりの上水道給水原価 (円/m³) 176.35
出典: 「日本の水資源」

Uy: 単位当たりの雨水浄化費 (円/m³) 68.60
出典: 「地球環境・人間生活にかかわ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 (U x と U y を用いて Q x と Q y で比例配分して算出) 77.57

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 | 事業効果区域 | 事業効果面積 | 効果額 | 現在価値化 |
|------|--------|----------|----------|---------|---------|
| 1961 | 7.3910 | | | | |
| 1962 | 7.1067 | 1,204.43 | 80.30 | 6.812 | 49.411 |
| 1963 | 6.8333 | 1,204.43 | 160.59 | 13.623 | 83.090 |
| 1964 | 6.5705 | 1,204.43 | 240.89 | 20.435 | 134.268 |
| 1965 | 6.3178 | 1,204.43 | 321.18 | 27.247 | 172.141 |
| 1966 | 6.0749 | 1,204.43 | 401.48 | 34.059 | 206.996 |
| 1967 | 5.8412 | 1,204.43 | 481.77 | 40.870 | 238.730 |
| 1968 | 5.6165 | 1,204.43 | 562.07 | 47.682 | 267.806 |
| 1969 | 5.4005 | 1,204.43 | 642.36 | 54.494 | 294.295 |
| 1970 | 5.1928 | 1,204.43 | 722.66 | 61.305 | 318.345 |
| 1971 | 4.9931 | 1,204.43 | 802.95 | 68.117 | 340.115 |
| 1972 | 4.8010 | 1,204.43 | 883.25 | 74.929 | 359.234 |
| 1973 | 4.6164 | 1,204.43 | 963.54 | 81.740 | 377.345 |
| 1974 | 4.4388 | 1,204.43 | 1,043.84 | 88.552 | 393.085 |
| 1975 | 4.2681 | 1,204.43 | 1,124.13 | 95.364 | 407.023 |
| 1976 | 4.1039 | 1,204.43 | 1,204.43 | 102.175 | 419.316 |
| 1977 | 3.9461 | 1,204.43 | 1,204.43 | 102.175 | 403.193 |
| 1978 | 3.7943 | 1,204.43 | 1,204.43 | 102.175 | 387.683 |
| 1979 | 3.6484 | 1,204.43 | 1,204.43 | 102.175 | 372.775 |
| 1980 | 3.5081 | 1,204.43 | 1,204.43 | 102.175 | 358.440 |
| 1981 | 3.3731 | 1,204.43 | 1,204.43 | 102.175 | 344.646 |
| 1982 | 3.2434 | 1,204.43 | 1,204.43 | 102.175 | 331.394 |
| 1983 | 3.1187 | 1,204.43 | 1,204.43 | 102.175 | 318.653 |
| 1984 | 2.9987 | 1,204.43 | 1,204.43 | 102.175 | 306.392 |
| 1985 | 2.8834 | 1,204.43 | 1,204.43 | 102.175 | 294.611 |
| 1986 | 2.7725 | 1,204.43 | 1,204.43 | 102.175 | 283.280 |
| 1987 | 2.6658 | 1,204.43 | 1,204.43 | 102.175 | 272.378 |
| 1988 | 2.5633 | 1,204.43 | 1,204.43 | 102.175 | 261.905 |
| 1989 | 2.4647 | 1,204.43 | 1,204.43 | 102.175 | 251.831 |
| 1990 | 2.3699 | 1,204.43 | 1,204.43 | 102.175 | 242.145 |
| 1991 | 2.2788 | 1,204.43 | 1,204.43 | 102.175 | 232.836 |
| 1992 | 2.1911 | 1,204.43 | 1,204.43 | 102.175 | 223.876 |
| 1993 | 2.1069 | 1,204.43 | 1,204.43 | 102.175 | 215.222 |
| 1994 | 2.0258 | 1,204.43 | 1,204.43 | 102.175 | 206.866 |
| 1995 | 1.9479 | 1,204.43 | 1,204.43 | 102.175 | 199.027 |

誤

地区別評価結果

1 独立行政法人事業
水源林造成事業
(22)四万十川流域50年以上経過分(参考資料)
水源涵養便益 水質浄化便益

水源涵養便益
水質浄化便益
事業効果区域

13,612,451

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

$$u = \frac{Ux \times Qx + Uy \times Qy}{Qx + Qy}$$

Qx: 全貯留量のうち生活用水使用相当量 155.00 億

Qy: 全貯留量 - Qx 1,862.30 億

A: 事業対象区域面積 (ha) 1,204.43

P: 年間平均降雨量 (mm/年) 2.187
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」(近藤ら、1987)

D2: 事業実施後、7年経過後の貯留率 0.56
出典: 「森林の間伐と水収支」(近藤ら、1987)

Ux: 単位当たりの上水道給水原価 (円/m³) 176.35
出典: 「日本の水資源」

Uy: 単位当たりの雨水浄化費 (円/m³) 68.60
出典: 「地球環境・人間生活にかかわ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 (U x と U y を用いて Q x と Q y で比例配分して算出) 76.88

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 | 事業効果区域 | 事業効果面積 | 効果額 | 現在価値化 |
|------|--------|----------|----------|---------|---------|
| 1961 | 7.3910 | | | | |
| 1962 | 7.1067 | 1,204.43 | 80.30 | 6.751 | 47.977 |
| 1963 | 6.8333 | 1,204.43 | 160.59 | 13.502 | 92.263 |
| 1964 | 6.5705 | 1,204.43 | 240.89 | 20.253 | 133.072 |
| 1965 | 6.3178 | 1,204.43 | 321.18 | 27.005 | 170.612 |
| 1966 | 6.0749 | 1,204.43 | 401.48 | 32.756 | 205.081 |
| 1967 | 5.8412 | 1,204.43 | 481.77 | 40.507 | 236.609 |
| 1968 | 5.6165 | 1,204.43 | 562.07 | 47.258 | 265.425 |
| 1969 | 5.4005 | 1,204.43 | 642.36 | 54.009 | 291.676 |
| 1970 | 5.1928 | 1,204.43 | 722.66 | 60.760 | 315.515 |
| 1971 | 4.9931 | 1,204.43 | 802.95 | 67.512 | 337.094 |
| 1972 | 4.8010 | 1,204.43 | 883.25 | 74.263 | 356.537 |
| 1973 | 4.6164 | 1,204.43 | 963.54 | 81.014 | 373.993 |
| 1974 | 4.4388 | 1,204.43 | 1,043.84 | 87.765 | 389.571 |
| 1975 | 4.2681 | 1,204.43 | 1,124.13 | 94.516 | 403.404 |
| 1976 | 4.1039 | 1,204.43 | 1,204.43 | 101.267 | 415.590 |
| 1977 | 3.9461 | 1,204.43 | 1,204.43 | 101.267 | 399.610 |
| 1978 | 3.7943 | 1,204.43 | 1,204.43 | 101.267 | 384.237 |
| 1979 | 3.6484 | 1,204.43 | 1,204.43 | 101.267 | 369.463 |
| 1980 | 3.5081 | 1,204.43 | 1,204.43 | 101.267 | 355.255 |
| 1981 | 3.3731 | 1,204.43 | 1,204.43 | 101.267 | 341.584 |
| 1982 | 3.2434 | 1,204.43 | 1,204.43 | 101.267 | 328.449 |
| 1983 | 3.1187 | 1,204.43 | 1,204.43 | 101.267 | 315.821 |
| 1984 | 2.9987 | 1,204.43 | 1,204.43 | 101.267 | 303.669 |
| 1985 | 2.8834 | 1,204.43 | 1,204.43 | 101.267 | 291.993 |
| 1986 | 2.7725 | 1,204.43 | 1,204.43 | 101.267 | 280.763 |
| 1987 | 2.6658 | 1,204.43 | 1,204.43 | 101.267 | 269.958 |
| 1988 | 2.5633 | 1,204.43 | 1,204.43 | 101.267 | 259.578 |
| 1989 | 2.4647 | 1,204.43 | 1,204.43 | 101.267 | 249.593 |
| 1990 | 2.3699 | 1,204.43 | 1,204.43 | 101.267 | 239.993 |
| 1991 | 2.2788 | 1,204.43 | 1,204.43 | 101.267 | 230.767 |
| 1992 | 2.1911 | 1,204.43 | 1,204.43 | 101.267 | 221.888 |
| 1993 | 2.1069 | 1,204.43 | 1,204.43 | 101.267 | 213.349 |
| 1994 | 2.0258 | 1,204.43 | 1,204.43 | 101.267 | 205.147 |
| 1995 | 1.9479 | 1,204.43 | 1,204.43 | 101.267 | 197.258 |

(別添)

公共事業の事業評価書(林野公共事業の期中の評価)(平成25年5月15日公表)の一部修正 正誤表

正

地区別評価結果

- 1 独立行政法人事業
- 水源林造成事業
- (22)四万十川流域50年以上経過分(参考資料)
- 水源涵養便益 水質浄化便益

| | | | | | |
|------|--------|----------|----------|---------|------------|
| 1996 | 1.8730 | 1.204.43 | 1.204.43 | 102.175 | 181.374 |
| 1997 | 1.8009 | 1.204.43 | 1.204.43 | 102.175 | 184.007 |
| 1998 | 1.7317 | 1.204.43 | 1.204.43 | 102.175 | 178.936 |
| 1999 | 1.6651 | 1.204.43 | 1.204.43 | 102.175 | 170.132 |
| 2000 | 1.6010 | 1.204.43 | 1.204.43 | 102.175 | 163.582 |
| 2001 | 1.5395 | 1.204.43 | 1.204.43 | 102.175 | 157.298 |
| 2002 | 1.4802 | 1.204.43 | 1.204.43 | 102.175 | 151.239 |
| 2003 | 1.4233 | 1.204.43 | 1.204.43 | 102.175 | 145.426 |
| 2004 | 1.3686 | 1.204.43 | 1.204.43 | 102.175 | 139.837 |
| 2005 | 1.3159 | 1.204.43 | 1.204.43 | 102.175 | 134.452 |
| 2006 | 1.2653 | 1.204.43 | 1.204.43 | 102.175 | 129.282 |
| 2007 | 1.2167 | 1.204.43 | 1.204.43 | 102.175 | 124.316 |
| 2008 | 1.1699 | 1.204.43 | 1.204.43 | 102.175 | 119.535 |
| 2009 | 1.1249 | 1.204.43 | 1.204.43 | 102.175 | 114.937 |
| 2010 | 1.0816 | 1.204.43 | 1.204.43 | 102.175 | 110.512 |
| 2011 | 1.0400 | 1.204.43 | 1.204.43 | 102.175 | 106.262 |
| 2012 | 1.0000 | 1.204.43 | 1.204.43 | 102.175 | 102.175 |
| 2013 | 0.9615 | 1.204.43 | 1.204.43 | 102.175 | 98.241 |
| 2014 | 0.9246 | 1.204.43 | 1.204.43 | 102.175 | 94.471 |
| 2015 | 0.8890 | 1.204.43 | 1.204.43 | 102.175 | 90.834 |
| 2016 | 0.8548 | 1.204.43 | 1.204.43 | 102.175 | 87.333 |
| 2017 | 0.8219 | 1.204.43 | 1.204.43 | 102.175 | 83.974 |
| 2018 | 0.7903 | 1.204.43 | 1.204.43 | 102.175 | 80.749 |
| 2019 | 0.7599 | 1.204.43 | 1.204.43 | 102.175 | 77.643 |
| 2020 | 0.7307 | 1.204.43 | 1.204.43 | 102.175 | 74.659 |
| 2021 | 0.7026 | 1.204.43 | 1.204.43 | 102.175 | 71.788 |
| 2022 | 0.6756 | 1.204.43 | 1.204.43 | 102.175 | 69.029 |
| 2023 | 0.6496 | 1.204.43 | 1.204.43 | 102.175 | 66.379 |
| 2024 | 0.6246 | 1.204.43 | 1.204.43 | 102.175 | 63.819 |
| 2025 | 0.6006 | 1.204.43 | 1.204.43 | 102.175 | 61.366 |
| 2026 | 0.5775 | 1.204.43 | 1.204.43 | 102.175 | 59.006 |
| 2027 | 0.5553 | 1.204.43 | 1.204.43 | 102.175 | 56.738 |
| 2028 | 0.5339 | 1.204.43 | 1.204.43 | 102.175 | 54.551 |
| 2029 | 0.5134 | 1.204.43 | 1.204.43 | 102.175 | 52.457 |
| 2030 | 0.4936 | 1.204.43 | 1.204.43 | 102.175 | 50.434 |
| 2031 | 0.4746 | 1.204.43 | 1.204.43 | 102.175 | 48.492 |
| 2032 | 0.4564 | 1.204.43 | 1.204.43 | 102.175 | 46.633 |
| 2033 | 0.4388 | 1.204.43 | 1.204.43 | 102.175 | 44.834 |
| 2034 | 0.4220 | 1.204.43 | 1.204.43 | 102.175 | 43.118 |
| 2035 | 0.4057 | 1.204.43 | 1.204.43 | 102.175 | 41.452 |
| 2036 | 0.3901 | 1.204.43 | 1.204.43 | 102.175 | 39.858 |
| 2037 | 0.3751 | 1.204.43 | 1.204.43 | 102.175 | 38.326 |
| 2038 | 0.3607 | 1.204.43 | 1.204.43 | 102.175 | 36.855 |
| 2039 | 0.3468 | 1.204.43 | 1.204.43 | 102.175 | 35.434 |
| 2040 | 0.3335 | 1.204.43 | 1.204.43 | 102.175 | 34.075 |
| 2041 | 0.3207 | 1.204.43 | 1.204.43 | 102.175 | 32.768 |
| 合計 | | | | | 18,734.619 |

誤

地区別評価結果

- 1 独立行政法人事業
- 水源林造成事業
- (22)四万十川流域50年以上経過分(参考資料)
- 水源涵養便益 水質浄化便益

| | | | | | |
|------|--------|----------|----------|---------|------------|
| 1996 | 1.8730 | 1.204.43 | 1.204.43 | 101.267 | 189.673 |
| 1997 | 1.8009 | 1.204.43 | 1.204.43 | 101.267 | 192.372 |
| 1998 | 1.7317 | 1.204.43 | 1.204.43 | 101.267 | 179.969 |
| 1999 | 1.6651 | 1.204.43 | 1.204.43 | 101.267 | 168.620 |
| 2000 | 1.6010 | 1.204.43 | 1.204.43 | 101.267 | 162.128 |
| 2001 | 1.5395 | 1.204.43 | 1.204.43 | 101.267 | 155.901 |
| 2002 | 1.4802 | 1.204.43 | 1.204.43 | 101.267 | 149.885 |
| 2003 | 1.4233 | 1.204.43 | 1.204.43 | 101.267 | 144.133 |
| 2004 | 1.3686 | 1.204.43 | 1.204.43 | 101.267 | 138.594 |
| 2005 | 1.3159 | 1.204.43 | 1.204.43 | 101.267 | 133.257 |
| 2006 | 1.2653 | 1.204.43 | 1.204.43 | 101.267 | 128.133 |
| 2007 | 1.2167 | 1.204.43 | 1.204.43 | 101.267 | 123.212 |
| 2008 | 1.1699 | 1.204.43 | 1.204.43 | 101.267 | 118.472 |
| 2009 | 1.1249 | 1.204.43 | 1.204.43 | 101.267 | 113.916 |
| 2010 | 1.0816 | 1.204.43 | 1.204.43 | 101.267 | 109.530 |
| 2011 | 1.0400 | 1.204.43 | 1.204.43 | 101.267 | 105.318 |
| 2012 | 1.0000 | 1.204.43 | 1.204.43 | 101.267 | 101.267 |
| 2013 | 0.9615 | 1.204.43 | 1.204.43 | 101.267 | 97.368 |
| 2014 | 0.9246 | 1.204.43 | 1.204.43 | 101.267 | 93.631 |
| 2015 | 0.8890 | 1.204.43 | 1.204.43 | 101.267 | 90.026 |
| 2016 | 0.8548 | 1.204.43 | 1.204.43 | 101.267 | 86.563 |
| 2017 | 0.8219 | 1.204.43 | 1.204.43 | 101.267 | 83.231 |
| 2018 | 0.7903 | 1.204.43 | 1.204.43 | 101.267 | 80.031 |
| 2019 | 0.7599 | 1.204.43 | 1.204.43 | 101.267 | 76.953 |
| 2020 | 0.7307 | 1.204.43 | 1.204.43 | 101.267 | 73.996 |
| 2021 | 0.7026 | 1.204.43 | 1.204.43 | 101.267 | 71.150 |
| 2022 | 0.6756 | 1.204.43 | 1.204.43 | 101.267 | 68.416 |
| 2023 | 0.6496 | 1.204.43 | 1.204.43 | 101.267 | 65.783 |
| 2024 | 0.6246 | 1.204.43 | 1.204.43 | 101.267 | 63.251 |
| 2025 | 0.6006 | 1.204.43 | 1.204.43 | 101.267 | 60.821 |
| 2026 | 0.5775 | 1.204.43 | 1.204.43 | 101.267 | 58.482 |
| 2027 | 0.5553 | 1.204.43 | 1.204.43 | 101.267 | 56.234 |
| 2028 | 0.5339 | 1.204.43 | 1.204.43 | 101.267 | 54.066 |
| 2029 | 0.5134 | 1.204.43 | 1.204.43 | 101.267 | 51.990 |
| 2030 | 0.4936 | 1.204.43 | 1.204.43 | 101.267 | 49.985 |
| 2031 | 0.4746 | 1.204.43 | 1.204.43 | 101.267 | 48.051 |
| 2032 | 0.4564 | 1.204.43 | 1.204.43 | 101.267 | 46.218 |
| 2033 | 0.4388 | 1.204.43 | 1.204.43 | 101.267 | 44.436 |
| 2034 | 0.4220 | 1.204.43 | 1.204.43 | 101.267 | 42.735 |
| 2035 | 0.4057 | 1.204.43 | 1.204.43 | 101.267 | 41.084 |
| 2036 | 0.3901 | 1.204.43 | 1.204.43 | 101.267 | 39.504 |
| 2037 | 0.3751 | 1.204.43 | 1.204.43 | 101.267 | 37.985 |
| 2038 | 0.3607 | 1.204.43 | 1.204.43 | 101.267 | 36.527 |
| 2039 | 0.3468 | 1.204.43 | 1.204.43 | 101.267 | 35.119 |
| 2040 | 0.3335 | 1.204.43 | 1.204.43 | 101.267 | 33.773 |
| 2041 | 0.3207 | 1.204.43 | 1.204.43 | 101.267 | 32.476 |
| 合計 | | | | | 18,612.451 |

(別添)

公共事業の事業評価書(林野公共事業の期中の評価)(平成25年5月15日公表)の一部修正 正誤表

正

地区別評価結果

1 独立行政法人事業
水源林造成事業
(22)四万十川流域50年以上経過分(参考資料)
環境保全便益 炭素固定便益 樹木固定分

| 環境保全便益 炭素固定便益 樹木固定分 | | 3,357,863 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|--|----------|--------|--------|-------|--------|-----|-----|--|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|------|--------|--|--|--|--|--|--|--|--|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|
| $B = \sum_{t=1}^Y \frac{V2-V1}{Y \times (1+I)^t} \times D \times BEF \times (1+R) \times 0.5 \times \frac{44}{12} \times U$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| U: | 二酸化炭素に関する原単位(円/CO2-ton) 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) 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) | 6,046 | 0.407 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V1: | スギ ヒノキ マツ 広葉樹 0 | 65,172 133,533 18,191 7,834 0 | 0.407 1.23 1.23 1.32 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) 出典:人工林分密度管理図(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 ヒノキ マツ 広葉樹 0 0 | 130,345 267,066 38,382 15,667 0 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y: | 評価期間 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D: | 容積密度(t/m3) 出典:「日本国温室効果ガスインベントリ報告書(2011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) | スギ ヒノキ マツ 広葉樹 0 | 0.314 0.458 0.547 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) 出典:「日本国温室効果ガスインベントリ報告書(2011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) | スギ ヒノキ マツ 広葉樹 0 | 1.23 1.24 1.23 1.32 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) 出典:「日本国温室効果ガスインベントリ報告書(2011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) | スギ ヒノキ マツ 広葉樹 0 | 0.25 0.26 0.26 0.26 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th rowspan="2">年度</th> <th rowspan="2">社会的割引率</th> <th colspan="2">スギ</th> <th colspan="2">ヒノキ</th> <th colspan="2">マツ</th> <th colspan="2">広葉樹</th> <th rowspan="2">事業効果蓄積</th> <th rowspan="2">効果額</th> <th rowspan="2">事業効果蓄積</th> <th rowspan="2">効果額</th> </tr> <tr> <th>事業効果蓄積</th> <th>効果額</th> <th>事業効果蓄積</th> <th>効果額</th> <th>事業効果蓄積</th> <th>効果額</th> <th>事業効果蓄積</th> <th>効果額</th> </tr> </thead> <tbody> <tr><td>1961</td><td>7.3910</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>1962</td><td>7.1061</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1963</td><td>6.8333</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1964</td><td>6.5705</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1965</td><td>6.3178</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1966</td><td>6.0748</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1967</td><td>5.8412</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1968</td><td>5.6165</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1969</td><td>5.4005</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1970</td><td>5.1928</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1971</td><td>4.9931</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1972</td><td>4.8010</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1973</td><td>4.6164</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1974</td><td>4.4388</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1975</td><td>4.2681</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1976</td><td>4.1039</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1977</td><td>3.9461</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1978</td><td>3.7943</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1979</td><td>3.6484</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1980</td><td>3.5081</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> </tbody> </table> | | | | 年度 | 社会的割引率 | スギ | | ヒノキ | | マツ | | 広葉樹 | | 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 | 1961 | 7.3910 | | | | | | | | | | | | | 1962 | 7.1061 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1963 | 6.8333 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1964 | 6.5705 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1965 | 6.3178 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1966 | 6.0748 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1967 | 5.8412 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1968 | 5.6165 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1969 | 5.4005 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1970 | 5.1928 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1971 | 4.9931 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1972 | 4.8010 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1973 | 4.6164 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1974 | 4.4388 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1975 | 4.2681 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1976 | 4.1039 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1977 | 3.9461 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1978 | 3.7943 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1979 | 3.6484 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1980 | 3.5081 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | |
| 年度 | 社会的割引率 | スギ | | | | ヒノキ | | マツ | | 広葉樹 | | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1961 | 7.3910 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1962 | 7.1061 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1963 | 6.8333 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1964 | 6.5705 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1965 | 6.3178 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1966 | 6.0748 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1967 | 5.8412 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1968 | 5.6165 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1969 | 5.4005 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1970 | 5.1928 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1971 | 4.9931 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1972 | 4.8010 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1973 | 4.6164 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1974 | 4.4388 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1975 | 4.2681 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1976 | 4.1039 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1977 | 3.9461 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1978 | 3.7943 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1979 | 3.6484 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1980 | 3.5081 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

誤

地区別評価結果

1 独立行政法人事業
水源林造成事業
(22)四万十川流域50年以上経過分(参考資料)
環境保全便益 炭素固定便益 樹木固定分

| 環境保全便益 炭素固定便益 樹木固定分 | | 3,357,863 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|----------------------------------|------------------------------------|----------|--------|--------|-------|--------|-----|-----|--|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|------|--------|--|--|--|--|--|--|--|--|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|------|--------|--------|-------|----------|--------|--------|-------|-------|-----|--|--|--|--|
| $B = \sum_{t=1}^Y \frac{V2-V1}{Y \times (1+I)^t} \times D \times BEF \times (1+R) \times 0.5 \times \frac{44}{12} \times U$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| U: | 二酸化炭素に関する原単位(円/CO2-ton) 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) 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) | 6,046 | 0.407 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V1: | スギ ヒノキ マツ 広葉樹 0 | 266 180 147 91 0 | 0.407 1.23 1.23 1.32 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) 出典:人工林分密度管理図(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 ヒノキ マツ 広葉樹 0 0 | 531 360 294 181 0 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y: | 評価期間 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D: | 容積密度(t/m3) 出典:「日本国温室効果ガスインベントリ報告書(2011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) | スギ ヒノキ マツ 広葉樹 0 | 0.314 0.458 0.547 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) 出典:「日本国温室効果ガスインベントリ報告書(2011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) | スギ ヒノキ マツ 広葉樹 0 | 1.23 1.24 1.23 1.32 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) 出典:「日本国温室効果ガスインベントリ報告書(2011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) | スギ ヒノキ マツ 広葉樹 0 | 0.25 0.26 0.26 0.26 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th rowspan="2">年度</th> <th rowspan="2">社会的割引率</th> <th colspan="2">スギ</th> <th colspan="2">ヒノキ</th> <th colspan="2">マツ</th> <th colspan="2">広葉樹</th> <th rowspan="2">事業効果蓄積</th> <th rowspan="2">効果額</th> <th rowspan="2">事業効果蓄積</th> <th rowspan="2">効果額</th> </tr> <tr> <th>事業効果蓄積</th> <th>効果額</th> <th>事業効果蓄積</th> <th>効果額</th> <th>事業効果蓄積</th> <th>効果額</th> <th>事業効果蓄積</th> <th>効果額</th> </tr> </thead> <tbody> <tr><td>1961</td><td>7.3910</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>1962</td><td>7.1061</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1963</td><td>6.8333</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1964</td><td>6.5705</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1965</td><td>6.3178</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1966</td><td>6.0748</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1967</td><td>5.8412</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1968</td><td>5.6165</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1969</td><td>5.4005</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1970</td><td>5.1928</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1971</td><td>4.9931</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1972</td><td>4.8010</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1973</td><td>4.6164</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1974</td><td>4.4388</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1975</td><td>4.2681</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1976</td><td>4.1039</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1977</td><td>3.9461</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1978</td><td>3.7943</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1979</td><td>3.6484</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> <tr><td>1980</td><td>3.5081</td><td>814.65</td><td>4,358</td><td>1,669.16</td><td>11,768</td><td>239.89</td><td>1,888</td><td>97.92</td><td>983</td><td></td><td></td><td></td><td></td></tr> </tbody> </table> | | | | 年度 | 社会的割引率 | スギ | | ヒノキ | | マツ | | 広葉樹 | | 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 | 1961 | 7.3910 | | | | | | | | | | | | | 1962 | 7.1061 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1963 | 6.8333 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1964 | 6.5705 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1965 | 6.3178 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1966 | 6.0748 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1967 | 5.8412 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1968 | 5.6165 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1969 | 5.4005 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1970 | 5.1928 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1971 | 4.9931 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1972 | 4.8010 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1973 | 4.6164 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1974 | 4.4388 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1975 | 4.2681 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1976 | 4.1039 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1977 | 3.9461 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1978 | 3.7943 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1979 | 3.6484 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | 1980 | 3.5081 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | |
| 年度 | 社会的割引率 | スギ | | | | ヒノキ | | マツ | | 広葉樹 | | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1961 | 7.3910 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1962 | 7.1061 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1963 | 6.8333 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1964 | 6.5705 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1965 | 6.3178 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1966 | 6.0748 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1967 | 5.8412 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1968 | 5.6165 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1969 | 5.4005 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1970 | 5.1928 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1971 | 4.9931 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1972 | 4.8010 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1973 | 4.6164 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1974 | 4.4388 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1975 | 4.2681 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1976 | 4.1039 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1977 | 3.9461 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1978 | 3.7943 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1979 | 3.6484 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1980 | 3.5081 | 814.65 | 4,358 | 1,669.16 | 11,768 | 239.89 | 1,888 | 97.92 | 983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

(別添)

公共事業の事業評価書(林野公共事業の期中の評価)(平成25年5月15日公表)の一部修正 正誤表

正

地区別評価結果

1 独立行政法人事業
水源林造成事業
(22)四万十川流域50年以上経過分(参考資料)
環境保全便益 炭素固定便益 樹木固定分

Table with 11 columns (Year, 1-10, Total) and 41 rows (1981-2041). Data values are consistent across columns for each year.

Summary table with 4 columns: Year, Social Benefit, Effectiveness, Current Value. Rows for years 1981-1970.

誤

地区別評価結果

1 独立行政法人事業
水源林造成事業
(22)四万十川流域50年以上経過分(参考資料)
環境保全便益 炭素固定便益 樹木固定分

Table with 11 columns (Year, 1-10, Total) and 41 rows (1981-2041). Data values are consistent across columns for each year.

Summary table with 4 columns: Year, Social Benefit, Effectiveness, Current Value. Rows for years 1981-1970.

(別添)

公共事業の事業評価書(林野公共事業の期中の評価)(平成25年5月15日公表)の一部修正 正誤表

正

地区別評価結果

1 独立行政法人事業
水源林造成事業

(22)四万十川流域50年以上経過分(参考資料)
環境保全便益 炭素固定便益 樹木固定分

| | | | |
|------|--------|--------|-----------|
| 1971 | 4,9931 | 18,997 | 94,854 |
| 1972 | 4,8010 | 18,997 | 91,205 |
| 1973 | 4,6164 | 18,997 | 87,693 |
| 1974 | 4,4388 | 18,997 | 84,324 |
| 1975 | 4,2681 | 18,997 | 81,081 |
| 1976 | 4,1039 | 18,997 | 77,962 |
| 1977 | 3,9461 | 18,997 | 74,864 |
| 1978 | 3,7943 | 18,997 | 72,080 |
| 1979 | 3,6484 | 18,997 | 69,309 |
| 1980 | 3,5081 | 18,997 | 66,643 |
| 1981 | 3,3731 | 18,997 | 64,079 |
| 1982 | 3,2434 | 18,997 | 61,615 |
| 1983 | 3,1187 | 18,997 | 59,240 |
| 1984 | 2,9987 | 18,997 | 56,966 |
| 1985 | 2,8834 | 18,997 | 54,776 |
| 1986 | 2,7725 | 18,997 | 52,669 |
| 1987 | 2,6658 | 18,997 | 50,642 |
| 1988 | 2,5633 | 18,997 | 48,695 |
| 1989 | 2,4647 | 18,997 | 46,822 |
| 1990 | 2,3699 | 18,997 | 45,021 |
| 1991 | 2,2788 | 18,997 | 43,290 |
| 1992 | 2,1911 | 18,997 | 41,624 |
| 1993 | 2,1068 | 18,997 | 40,023 |
| 1994 | 2,0256 | 18,997 | 38,484 |
| 1995 | 1,9476 | 18,997 | 37,004 |
| 1996 | 1,8730 | 18,997 | 35,581 |
| 1997 | 1,8009 | 18,997 | 34,212 |
| 1998 | 1,7317 | 18,997 | 32,897 |
| 1999 | 1,6651 | 18,997 | 31,632 |
| 2000 | 1,6010 | 18,997 | 30,414 |
| 2001 | 1,5395 | 18,997 | 29,246 |
| 2002 | 1,4802 | 18,997 | 28,119 |
| 2003 | 1,4233 | 18,997 | 27,038 |
| 2004 | 1,3686 | 18,997 | 25,999 |
| 2005 | 1,3159 | 18,997 | 24,998 |
| 2006 | 1,2653 | 18,997 | 24,037 |
| 2007 | 1,2167 | 18,997 | 23,114 |
| 2008 | 1,1699 | 18,997 | 22,225 |
| 2009 | 1,1249 | 18,997 | 21,370 |
| 2010 | 1,0816 | 18,997 | 20,547 |
| 2011 | 1,0400 | 18,997 | 19,757 |
| 2012 | 1,0000 | 18,997 | 18,997 |
| 2013 | 0,9615 | 18,997 | 18,266 |
| 2014 | 0,9246 | 18,997 | 17,565 |
| 2015 | 0,8890 | 18,997 | 16,888 |
| 2016 | 0,8546 | 18,997 | 16,236 |
| 2017 | 0,8219 | 18,997 | 15,614 |
| 2018 | 0,7903 | 18,997 | 15,013 |
| 2019 | 0,7599 | 18,997 | 14,436 |
| 2020 | 0,7307 | 18,997 | 13,881 |
| 2021 | 0,7026 | 18,997 | 13,347 |
| 2022 | 0,6756 | 18,997 | 12,834 |
| 2023 | 0,6496 | 18,997 | 12,340 |
| 2024 | 0,6246 | 18,997 | 11,866 |
| 2025 | 0,6006 | 18,997 | 11,410 |
| 2026 | 0,5775 | 18,997 | 10,971 |
| 2027 | 0,5553 | 18,997 | 10,549 |
| 2028 | 0,5339 | 18,997 | 10,142 |
| 2029 | 0,5134 | 18,997 | 9,753 |
| 2030 | 0,4936 | 18,997 | 9,377 |
| 2031 | 0,4746 | 18,997 | 9,016 |
| 2032 | 0,4564 | 18,997 | 8,670 |
| 2033 | 0,4388 | 18,997 | 8,338 |
| 2034 | 0,4220 | 18,997 | 8,017 |
| 2035 | 0,4057 | 18,997 | 7,707 |
| 2036 | 0,3901 | 18,997 | 7,411 |
| 2037 | 0,3751 | 18,997 | 7,128 |
| 2038 | 0,3607 | 18,997 | 6,852 |
| 2039 | 0,3468 | 18,997 | 6,588 |
| 2040 | 0,3335 | 18,997 | 6,335 |
| 2041 | 0,3207 | 18,997 | 6,092 |
| 合計 | | | 3,357,863 |

誤

地区別評価結果

1 独立行政法人事業
水源林造成事業

(22)四万十川流域50年以上経過分(参考資料)
環境保全便益 炭素固定便益 樹木固定分

| | | | |
|------|--------|--------|-----------|
| 1971 | 4,9931 | 18,997 | 94,854 |
| 1972 | 4,8010 | 18,997 | 91,205 |
| 1973 | 4,6164 | 18,997 | 87,693 |
| 1974 | 4,4388 | 18,997 | 84,324 |
| 1975 | 4,2681 | 18,997 | 81,081 |
| 1976 | 4,1039 | 18,997 | 77,962 |
| 1977 | 3,9461 | 18,997 | 74,864 |
| 1978 | 3,7943 | 18,997 | 72,080 |
| 1979 | 3,6484 | 18,997 | 69,309 |
| 1980 | 3,5081 | 18,997 | 66,643 |
| 1981 | 3,3731 | 18,997 | 64,079 |
| 1982 | 3,2434 | 18,997 | 61,615 |
| 1983 | 3,1187 | 18,997 | 59,240 |
| 1984 | 2,9987 | 18,997 | 56,966 |
| 1985 | 2,8834 | 18,997 | 54,776 |
| 1986 | 2,7725 | 18,997 | 52,669 |
| 1987 | 2,6658 | 18,997 | 50,642 |
| 1988 | 2,5633 | 18,997 | 48,695 |
| 1989 | 2,4647 | 18,997 | 46,822 |
| 1990 | 2,3699 | 18,997 | 45,021 |
| 1991 | 2,2788 | 18,997 | 43,290 |
| 1992 | 2,1911 | 18,997 | 41,624 |
| 1993 | 2,1068 | 18,997 | 40,023 |
| 1994 | 2,0256 | 18,997 | 38,484 |
| 1995 | 1,9476 | 18,997 | 37,004 |
| 1996 | 1,8730 | 18,997 | 35,581 |
| 1997 | 1,8009 | 18,997 | 34,212 |
| 1998 | 1,7317 | 18,997 | 32,897 |
| 1999 | 1,6651 | 18,997 | 31,632 |
| 2000 | 1,6010 | 18,997 | 30,414 |
| 2001 | 1,5395 | 18,997 | 29,246 |
| 2002 | 1,4802 | 18,997 | 28,119 |
| 2003 | 1,4233 | 18,997 | 27,038 |
| 2004 | 1,3686 | 18,997 | 25,999 |
| 2005 | 1,3159 | 18,997 | 24,998 |
| 2006 | 1,2653 | 18,997 | 24,037 |
| 2007 | 1,2167 | 18,997 | 23,114 |
| 2008 | 1,1699 | 18,997 | 22,225 |
| 2009 | 1,1249 | 18,997 | 21,370 |
| 2010 | 1,0816 | 18,997 | 20,547 |
| 2011 | 1,0400 | 18,997 | 19,757 |
| 2012 | 1,0000 | 18,997 | 18,997 |
| 2013 | 0,9615 | 18,997 | 18,266 |
| 2014 | 0,9246 | 18,997 | 17,565 |
| 2015 | 0,8890 | 18,997 | 16,888 |
| 2016 | 0,8546 | 18,997 | 16,236 |
| 2017 | 0,8219 | 18,997 | 15,614 |
| 2018 | 0,7903 | 18,997 | 15,013 |
| 2019 | 0,7599 | 18,997 | 14,436 |
| 2020 | 0,7307 | 18,997 | 13,881 |
| 2021 | 0,7026 | 18,997 | 13,347 |
| 2022 | 0,6756 | 18,997 | 12,834 |
| 2023 | 0,6496 | 18,997 | 12,340 |
| 2024 | 0,6246 | 18,997 | 11,866 |
| 2025 | 0,6006 | 18,997 | 11,410 |
| 2026 | 0,5775 | 18,997 | 10,971 |
| 2027 | 0,5553 | 18,997 | 10,549 |
| 2028 | 0,5339 | 18,997 | 10,142 |
| 2029 | 0,5134 | 18,997 | 9,753 |
| 2030 | 0,4936 | 18,997 | 9,377 |
| 2031 | 0,4746 | 18,997 | 9,016 |
| 2032 | 0,4564 | 18,997 | 8,670 |
| 2033 | 0,4388 | 18,997 | 8,338 |
| 2034 | 0,4220 | 18,997 | 8,017 |
| 2035 | 0,4057 | 18,997 | 7,707 |
| 2036 | 0,3901 | 18,997 | 7,411 |
| 2037 | 0,3751 | 18,997 | 7,128 |
| 2038 | 0,3607 | 18,997 | 6,852 |
| 2039 | 0,3468 | 18,997 | 6,588 |
| 2040 | 0,3335 | 18,997 | 6,335 |
| 2041 | 0,3207 | 18,997 | 6,092 |
| 合計 | | | 3,357,863 |

(別添)

公共事業の事業評価書(林野公共事業の期中の評価)(平成25年5月15日公表)の一部修正 正誤表

正

地区別評価結果

1 独立行政法人事業
水源林造成事業
(22)四万十川流域50年以上経過分(参考資料)
木材生産等便益 生産確保・増進便益

木材生産等便益
生産確保・増進便益
森林整備による増進分

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

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獲予測表(独)森林総合研究所等

スギ 0.00 ~ 104,275.66
ヒノキ 0.00 ~ 200,299.50
マツ 0.00 ~ 27,826.73
広葉樹 0.00 ~ 15,667.36

◎: 人工林 主伐材 木材市場価格(円/m3)
出典:「山林業地及び山元立木価格(一財)日本不動産研究所」(平成24年3月末現在)

スギ 1,856
ヒノキ 5,162
マツ 1,580
広葉樹 0

| 年度 | 社会割引率 | スギ | ヒノキ | マツ | 広葉樹 |
|------|--------|------|------|------|------|
| 1961 | 7.3910 | | | | |
| 1962 | 7.1067 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1963 | 6.8333 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1964 | 6.5705 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1965 | 6.3178 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1966 | 6.0748 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1967 | 5.8412 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1968 | 5.6165 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1969 | 5.4005 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1970 | 5.1928 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1971 | 4.9931 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1972 | 4.8010 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1973 | 4.6164 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1974 | 4.4388 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1975 | 4.2681 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1976 | 4.1039 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1977 | 3.9461 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1978 | 3.7943 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1979 | 3.6484 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1980 | 3.5081 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1981 | 3.3731 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1982 | 3.2434 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1983 | 3.1187 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1984 | 2.9987 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1985 | 2.8834 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1986 | 2.7725 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1987 | 2.6658 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1988 | 2.5633 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1989 | 2.4647 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1990 | 2.3699 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1991 | 2.2788 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1992 | 2.1911 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1993 | 2.1068 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1994 | 2.0258 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1995 | 1.9479 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1996 | 1.8730 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1997 | 1.8009 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1998 | 1.7317 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1999 | 1.6651 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2000 | 1.6010 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2001 | 1.5395 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2002 | 1.4802 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2003 | 1.4233 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2004 | 1.3688 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2005 | 1.3159 | 0.00 | 0.00 | 0.00 | 0.00 |

誤

地区別評価結果

1 独立行政法人事業
水源林造成事業
(22)四万十川流域50年以上経過分(参考資料)
木材生産等便益 生産確保・増進便益

木材生産等便益
生産確保・増進便益
森林整備による増進分

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

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獲予測表(独)森林総合研究所等

スギ 0.00 ~ 104,275.66
ヒノキ 0.00 ~ 200,299.50
マツ 0.00 ~ 27,826.73
広葉樹 0.00 ~ 15,667.36

◎: 人工林 主伐材 木材市場価格(円/m3)
出典:「山林業地及び山元立木価格(一財)日本不動産研究所」(平成24年3月末現在)

スギ 2,951
ヒノキ 7,829
マツ 2,022
広葉樹 0

| 年度 | 社会割引率 | スギ | ヒノキ | マツ | 広葉樹 |
|------|--------|------|------|------|------|
| 1961 | 7.3910 | | | | |
| 1962 | 7.1067 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1963 | 6.8333 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1964 | 6.5705 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1965 | 6.3178 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1966 | 6.0748 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1967 | 5.8412 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1968 | 5.6165 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1969 | 5.4005 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1970 | 5.1928 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1971 | 4.9931 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1972 | 4.8010 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1973 | 4.6164 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1974 | 4.4388 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1975 | 4.2681 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1976 | 4.1039 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1977 | 3.9461 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1978 | 3.7943 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1979 | 3.6484 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1980 | 3.5081 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1981 | 3.3731 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1982 | 3.2434 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1983 | 3.1187 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1984 | 2.9987 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1985 | 2.8834 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1986 | 2.7725 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1987 | 2.6658 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1988 | 2.5633 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1989 | 2.4647 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1990 | 2.3699 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1991 | 2.2788 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1992 | 2.1911 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1993 | 2.1068 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1994 | 2.0258 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1995 | 1.9479 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1996 | 1.8730 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1997 | 1.8009 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1998 | 1.7317 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1999 | 1.6651 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2000 | 1.6010 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2001 | 1.5395 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2002 | 1.4802 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2003 | 1.4233 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2004 | 1.3688 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2005 | 1.3159 | 0.00 | 0.00 | 0.00 | 0.00 |

(別添)

公共事業の事業評価書(林野公共事業の期中の評価)(平成25年5月15日公表)の一部修正 正誤表

| 正 | | | | | 誤 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--------|--|-----------|---------|--------------------------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|----|--|--|-----------|---------|---------|--|--|--|--|--|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|------|--------|--|--|---|---|----|--|--|-----------|---------|---------|
| 地区別評価結果 | | | | | 地区別評価結果 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 独立行政法人事業 | | | | | 1 独立行政法人事業 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 水源林造成事業 | | | | | 水源林造成事業 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (22)四万十川流域50年以上経過分(参考資料) | | | | | (22)四万十川流域50年以上経過分(参考資料) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 木材生産等便益 生産確保・増進便益 | | | | | 木材生産等便益 生産確保・増進便益 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr><td>1996</td><td>1,8730</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>1997</td><td>1,8009</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>1998</td><td>1,7217</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>1999</td><td>1,6651</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>2000</td><td>1,6010</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>2001</td><td>1,5395</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>2002</td><td>1,4802</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>2003</td><td>1,4233</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>2004</td><td>1,3686</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>2005</td><td>1,3159</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>2006</td><td>1,2653</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>2007</td><td>1,2167</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>2008</td><td>1,1699</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>2009</td><td>1,1249</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>2010</td><td>1,0816</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>2011</td><td>1,0400</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>2012</td><td>1,0000</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>2013</td><td>0,9615</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>2014</td><td>0,9246</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>2015</td><td>0,8890</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>2016</td><td>0,8548</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>2017</td><td>0,8219</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>2018</td><td>0,7903</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>2019</td><td>0,7599</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>2020</td><td>0,7307</td><td></td><td></td><td>0</td><td>0</td></tr> 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| 1,2653 | | | 0 | 0 | 2007 | 1,2167 | | | 0 | 0 | 2008 | 1,1699 | | | 0 | 0 | 2009 | 1,1249 | | | 0 | 0 | 2010 | 1,0816 | | | 0 | 0 | 2011 | 1,0400 | | | 0 | 0 | 2012 | 1,0000 | | | 0 | 0 | 2013 | 0,9615 | | | 0 | 0 | 2014 | 0,9246 | | | 0 | 0 | 2015 | 0,8890 | | | 0 | 0 | 2016 | 0,8548 | | | 0 | 0 | 2017 | 0,8219 | | | 0 | 0 | 2018 | 0,7903 | | | 0 | 0 | 2019 | 0,7599 | | | 0 | 0 | 2020 | 0,7307 | | | 0 | 0 | 2021 | 0,7026 | | | 0 | 0 | 2022 | 0,6756 | | | 0 | 0 | 2023 | 0,6496 | | | 0 | 0 | 2024 | 0,6246 | | | 0 | 0 | 2025 | 0,6006 | | | 0 | 0 | 2026 | 0,5775 | | | 0 | 0 | 2027 | 0,5553 | | | 0 | 0 | 2028 | 0,5339 | | | 0 | 0 | 2029 | 0,5134 | | | 0 | 0 | 2030 | 0,4936 | | | 0 | 0 | 2031 | 0,4746 | | | 0 | 0 | 2032 | 0,4564 | | | 0 | 0 | 2033 | 0,4388 | | | 0 | 0 | 2034 | 0,4220 | | | 0 | 0 | 2035 | 0,4057 | | | 0 | 0 | 2036 | 0,3901 | | | 0 | 0 | 2037 | 0,3751 | | | 0 | 0 | 2038 | 0,3607 | | | 0 | 0 | 2039 | 0,3468 | | | 0 | 0 | 2040 | 0,3335 | | | 0 | 0 | 2041 | 0,3207 | | | 0 | 0 | 合計 | | | 1,270,892 | 407,575 | 407,575 | <table border="1"> <tr><td>1996</td><td>1,8730</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>1997</td><td>1,8009</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>1998</td><td>1,7217</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>1999</td><td>1,6651</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>2000</td><td>1,6010</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>2001</td><td>1,5395</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>2002</td><td>1,4802</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>2003</td><td>1,4233</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>2004</td><td>1,3686</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>2005</td><td>1,3159</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>2006</td><td>1,2653</td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>2007</td><td>1,2167</td><td></td><td></td><td>0</td><td>0</td></tr> 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| 合計 | | | 1,932,128 | 619,634 | 619,634 |
| 1996 | 1,8730 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1997 | 1,8009 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1998 | 1,7217 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1999 | 1,6651 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2000 | 1,6010 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2001 | 1,5395 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2002 | 1,4802 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2003 | 1,4233 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2004 | 1,3686 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2005 | 1,3159 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2006 | 1,2653 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2007 | 1,2167 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2008 | 1,1699 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2009 | 1,1249 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2010 | 1,0816 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2011 | 1,0400 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2012 | 1,0000 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2013 | 0,9615 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2014 | 0,9246 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2015 | 0,8890 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2016 | 0,8548 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2017 | 0,8219 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2018 | 0,7903 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2019 | 0,7599 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2020 | 0,7307 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2021 | 0,7026 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2022 | 0,6756 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2023 | 0,6496 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2024 | 0,6246 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2025 | 0,6006 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2026 | 0,5775 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2027 | 0,5553 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2028 | 0,5339 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2029 | 0,5134 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2030 | 0,4936 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2031 | 0,4746 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2032 | 0,4564 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2033 | 0,4388 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 2035 | 0,4057 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2036 | 0,3901 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2037 | 0,3751 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2038 | 0,3607 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2039 | 0,3468 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2040 | 0,3335 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2041 | 0,3207 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 合計 | | | 1,270,892 | 407,575 | 407,575 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1996 | 1,8730 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1997 | 1,8009 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1998 | 1,7217 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1999 | 1,6651 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2000 | 1,6010 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2001 | 1,5395 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2002 | 1,4802 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2003 | 1,4233 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2004 | 1,3686 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2005 | 1,3159 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2006 | 1,2653 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2007 | 1,2167 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2008 | 1,1699 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2009 | 1,1249 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2010 | 1,0816 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2011 | 1,0400 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2012 | 1,0000 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2013 | 0,9615 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2014 | 0,9246 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2015 | 0,8890 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2016 | 0,8548 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2017 | 0,8219 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2018 | 0,7903 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2019 | 0,7599 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2020 | 0,7307 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2021 | 0,7026 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2022 | 0,6756 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2023 | 0,6496 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2024 | 0,6246 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2025 | 0,6006 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2026 | 0,5775 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2027 | 0,5553 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2028 | 0,5339 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2029 | 0,5134 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2030 | 0,4936 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2031 | 0,4746 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2032 | 0,4564 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2033 | 0,4388 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 2035 | 0,4057 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2036 | 0,3901 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2037 | 0,3751 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2038 | 0,3607 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2039 | 0,3468 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2040 | 0,3335 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2041 | 0,3207 | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 合計 | | | 1,932,128 | 619,634 | 619,634 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |