



U.S. Army Corps of Engineers  
Charleston District

# APPENDIX L

**CHARLESTON HARBOR POST 45  
BENEFICIAL USE OF DREDGED MATERIAL  
SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT**  
*CHARLESTON, SOUTH CAROLINA*

## **Habitat Equivalency Analysis Results**

30 September 2016

# VISUAL\_HEA HABITAT EQUIVALENCY ANALYSIS

Sitename: p45

Date: 9/28/2016 6:33:20 AM

Datafile: C:\\Visual\_HEA261\\p45.hea

Units: acre

Time units: quarter

Claim year: 2016

Amount of affected units: 32.7

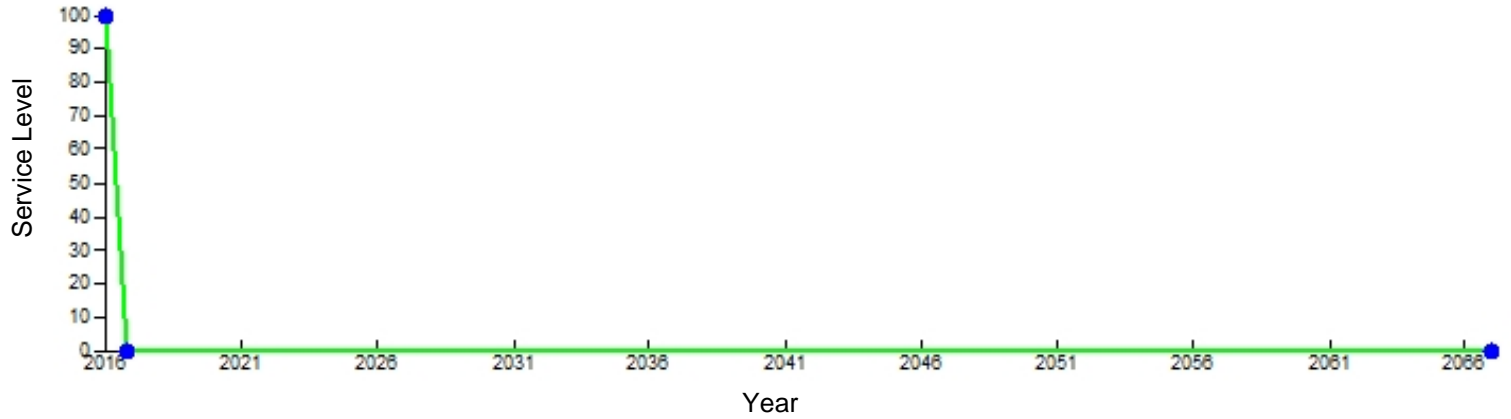
Pre-injury service level (%): 100.00%

Pre-restoration service level (%): 0.00%

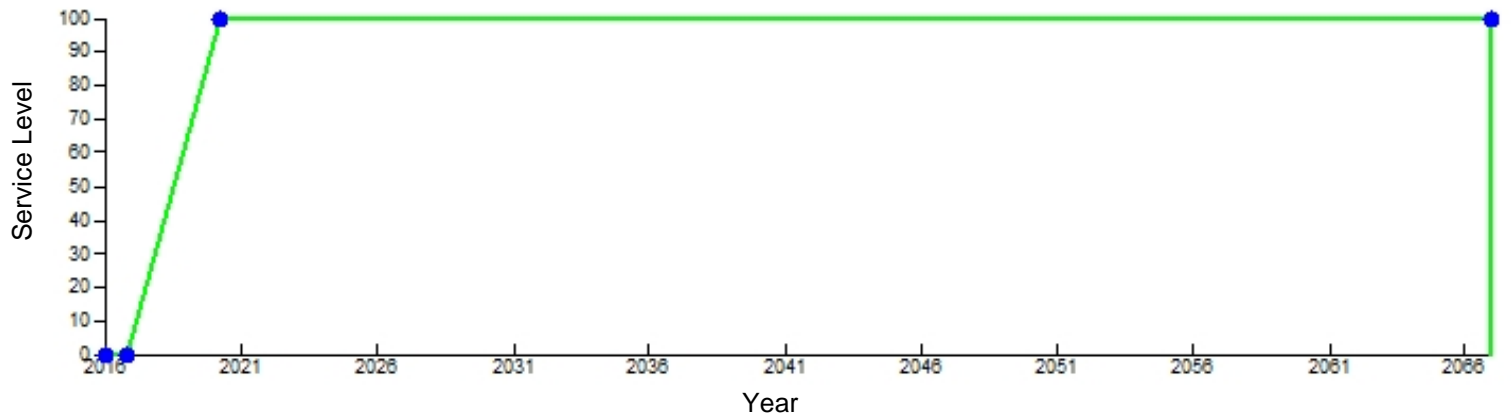
Value ratio injured/restored: 1.00

Discount rate per unit of time(%): 0.000

## Service losses at the Injury Area



## Service Gains at the Compensatory Area



## Service losses at the Injury Area

| Year    | % Services lost |         |         | Raw SUYs lost | Discount Factor | Discounted SUYs lost |
|---------|-----------------|---------|---------|---------------|-----------------|----------------------|
|         | Beginning       | End     | Mean    |               |                 |                      |
| 2016.00 | .00%            | 33.33%  | 16.67%  | 1.363         | 1.000           | 1.363                |
| 2016.25 | 33.33%          | 66.67%  | 50.00%  | 4.088         | 1.000           | 4.088                |
| 2016.50 | 66.67%          | 100.00% | 83.33%  | 6.813         | 1.000           | 6.813                |
| 2016.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2017.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2017.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2017.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2017.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2018.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2018.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2018.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2018.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2019.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2019.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2019.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2019.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2020.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2020.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2020.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2020.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2021.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2021.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2021.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2021.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2022.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2022.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2022.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2022.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2023.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2023.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2023.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2023.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2024.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2024.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2024.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2024.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2025.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2025.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2025.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2025.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2026.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2026.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2026.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2026.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2027.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2027.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2027.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2027.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2028.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2028.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2028.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |

## Service losses at the Injury Area

| Year    | % Services lost |         | Mean    | Raw SUYs lost | Discount Factor | Discounted SUYs lost |
|---------|-----------------|---------|---------|---------------|-----------------|----------------------|
|         | Beginning       | End     |         |               |                 |                      |
| 2028.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2029.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2029.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2029.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2029.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2030.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2030.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2030.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2030.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2031.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2031.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2031.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2031.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2032.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2032.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2032.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2032.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2033.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2033.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2033.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2033.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2034.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2034.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2034.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2034.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2035.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2035.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2035.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2035.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2036.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2036.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2036.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2036.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2037.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2037.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2037.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2037.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2038.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2038.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2038.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2038.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2039.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2039.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2039.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2039.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2040.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2040.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2040.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2040.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2041.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |

## Service losses at the Injury Area

| Year    | % Services lost |         | Mean    | Raw SUYs lost | Discount Factor | Discounted SUYs lost |
|---------|-----------------|---------|---------|---------------|-----------------|----------------------|
|         | Beginning       | End     |         |               |                 |                      |
| 2041.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2041.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2041.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2042.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2042.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2042.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2042.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2043.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2043.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2043.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2043.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2044.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2044.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2044.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2044.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2045.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2045.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2045.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2045.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2046.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2046.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2046.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2046.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2047.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2047.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2047.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2047.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2048.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2048.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2048.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2048.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2049.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2049.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2049.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2049.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2050.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2050.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2050.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2050.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2051.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2051.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2051.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2051.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2052.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2052.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2052.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2052.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2053.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2053.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2053.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |

## Service losses at the Injury Area

| Year    | % Services lost |         |         | Raw SUYs lost | Discount Factor | Discounted SUYs lost |
|---------|-----------------|---------|---------|---------------|-----------------|----------------------|
|         | Beginning       | End     | Mean    |               |                 |                      |
| 2053.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2054.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2054.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2054.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2054.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2055.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2055.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2055.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2055.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2056.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2056.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2056.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2056.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2057.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2057.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2057.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2057.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2058.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2058.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2058.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2058.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2059.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2059.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2059.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2059.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2060.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2060.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2060.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2060.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2061.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2061.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2061.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2061.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2062.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2062.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2062.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2062.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2063.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2063.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2063.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2063.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2064.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2064.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2064.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2064.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2065.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2065.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2065.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2065.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2066.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |

**Service losses at the Injury Area**

| Year    | Beginning | % Services lost<br>End | Mean    | Raw SUYs lost | Discount Factor | Discounted SUYs lost |
|---------|-----------|------------------------|---------|---------------|-----------------|----------------------|
| 2066.25 | 100.00%   | 100.00%                | 100.00% | 8.175         | 1.000           | 8.175                |
| 2066.50 | 100.00%   | 100.00%                | 100.00% | 8.175         | 1.000           | 8.175                |
| 2066.75 | 100.00%   | 100.00%                | 100.00% | 8.175         | 1.000           | 8.175                |
| 2067.00 | 100.00%   | 100.00%                | 100.00% | 8.175         | 1.000           | 8.175                |

**Total Discounted Service Unit Years (DSUYs) lost: 1663.613**

## Service Gains at the Compensatory Area

| Year    | % Services gained |         |         | Raw SUYs lost | Discount Factor | Discounted SUYs gained |
|---------|-------------------|---------|---------|---------------|-----------------|------------------------|
|         | Beginning         | End     | Mean    |               |                 |                        |
| 2016.00 | .00%              | .00%    | 0.00%   | 0.000         | 1.000           | 0.000                  |
| 2016.25 | .00%              | .00%    | 0.00%   | 0.000         | 1.000           | 0.000                  |
| 2016.50 | .00%              | .00%    | 0.00%   | 0.000         | 1.000           | 0.000                  |
| 2016.75 | .00%              | 7.14%   | 3.57%   | 0.292         | 1.000           | 0.292                  |
| 2017.00 | 7.14%             | 14.29%  | 10.71%  | 0.876         | 1.000           | 0.876                  |
| 2017.25 | 14.29%            | 21.43%  | 17.86%  | 1.460         | 1.000           | 1.460                  |
| 2017.50 | 21.43%            | 28.57%  | 25.00%  | 2.044         | 1.000           | 2.044                  |
| 2017.75 | 28.57%            | 35.71%  | 32.14%  | 2.628         | 1.000           | 2.628                  |
| 2018.00 | 35.71%            | 42.86%  | 39.29%  | 3.212         | 1.000           | 3.212                  |
| 2018.25 | 42.86%            | 50.00%  | 46.43%  | 3.796         | 1.000           | 3.796                  |
| 2018.50 | 50.00%            | 57.14%  | 53.57%  | 4.379         | 1.000           | 4.379                  |
| 2018.75 | 57.14%            | 64.29%  | 60.71%  | 4.963         | 1.000           | 4.963                  |
| 2019.00 | 64.29%            | 71.43%  | 67.86%  | 5.547         | 1.000           | 5.547                  |
| 2019.25 | 71.43%            | 78.57%  | 75.00%  | 6.131         | 1.000           | 6.131                  |
| 2019.50 | 78.57%            | 85.71%  | 82.14%  | 6.715         | 1.000           | 6.715                  |
| 2019.75 | 85.71%            | 92.86%  | 89.29%  | 7.299         | 1.000           | 7.299                  |
| 2020.00 | 92.86%            | 100.00% | 96.43%  | 7.883         | 1.000           | 7.883                  |
| 2020.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2020.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2020.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2021.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2021.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2021.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2021.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2022.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2022.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2022.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2022.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2023.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2023.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2023.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2023.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2024.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2024.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2024.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2024.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2025.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2025.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2025.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2025.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2026.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2026.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2026.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2026.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2027.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2027.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2027.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2027.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2028.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2028.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2028.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |



## Service Gains at the Compensatory Area

| Year    | % Services gained |         |         | Raw SUYs lost | Discount Factor | Discounted SUYs gained |
|---------|-------------------|---------|---------|---------------|-----------------|------------------------|
|         | Beginning         | End     | Mean    |               |                 |                        |
| 2028.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2029.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2029.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2029.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2029.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2030.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2030.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2030.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2030.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2031.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2031.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2031.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2031.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2032.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2032.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2032.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2032.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2033.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2033.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2033.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2033.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2034.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2034.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2034.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2034.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2035.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2035.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2035.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2035.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2036.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2036.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2036.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2036.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2037.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2037.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2037.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2037.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2038.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2038.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2038.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2038.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2039.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2039.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2039.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2039.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2040.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2040.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2040.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2040.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2041.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |

## Service Gains at the Compensatory Area

| Year    | % Services gained |         |         | Raw SUYs lost | Discount Factor | Discounted SUYs gained |
|---------|-------------------|---------|---------|---------------|-----------------|------------------------|
|         | Beginning         | End     | Mean    |               |                 |                        |
| 2041.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2041.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2041.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2042.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2042.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2042.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2042.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2043.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2043.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2043.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2043.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2044.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2044.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2044.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2044.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2045.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2045.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2045.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2045.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2046.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2046.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2046.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2046.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2047.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2047.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2047.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2047.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2048.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2048.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2048.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2048.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2049.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2049.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2049.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2049.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2050.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2050.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2050.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2050.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2051.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2051.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2051.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2051.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2052.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2052.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2052.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2052.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2053.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2053.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2053.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |

## Service Gains at the Compensatory Area

| Year    | % Services gained |         |         | Raw SUYs lost | Discount Factor | Discounted SUYs gained |
|---------|-------------------|---------|---------|---------------|-----------------|------------------------|
|         | Beginning         | End     | Mean    |               |                 |                        |
| 2053.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2054.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2054.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2054.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2054.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2055.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2055.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2055.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2055.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2056.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2056.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2056.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2056.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2057.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2057.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2057.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2057.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2058.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2058.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2058.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2058.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2059.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2059.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2059.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2059.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2060.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2060.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2060.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2060.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2061.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2061.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2061.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2061.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2062.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2062.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2062.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2062.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2063.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2063.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2063.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2063.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2064.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2064.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2064.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2064.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2065.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2065.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2065.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2065.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2066.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |

## Service Gains at the Compensatory Area

| Year    | % Services gained |         | Mean    | Raw SUYs lost | Discount Factor | Discounted SUYs gained |
|---------|-------------------|---------|---------|---------------|-----------------|------------------------|
|         | Beginning         | End     |         |               |                 |                        |
| 2066.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2066.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2066.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2067.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2067.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2067.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2067.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |

**Total Discounted Service Unit Years (DSUYs) Gained: 1618.650**

**Discounted SUYs gained per unit: 49.500**

**Replacement habitat size (acre):  $1.00 * 1663.613/49.5$  33.608**

# VISUAL\_HEA HABITAT EQUIVALENCY ANALYSIS

Sitename: p45

Date: 9/28/2016 6:35:39 AM

Datafile: C:\\Visual\_HEA261\\p45-HEA-32.7acres-3.5years.hea

Units: acre

Time units: quarter

Claim year: 2016

Amount of affected units: 32.7

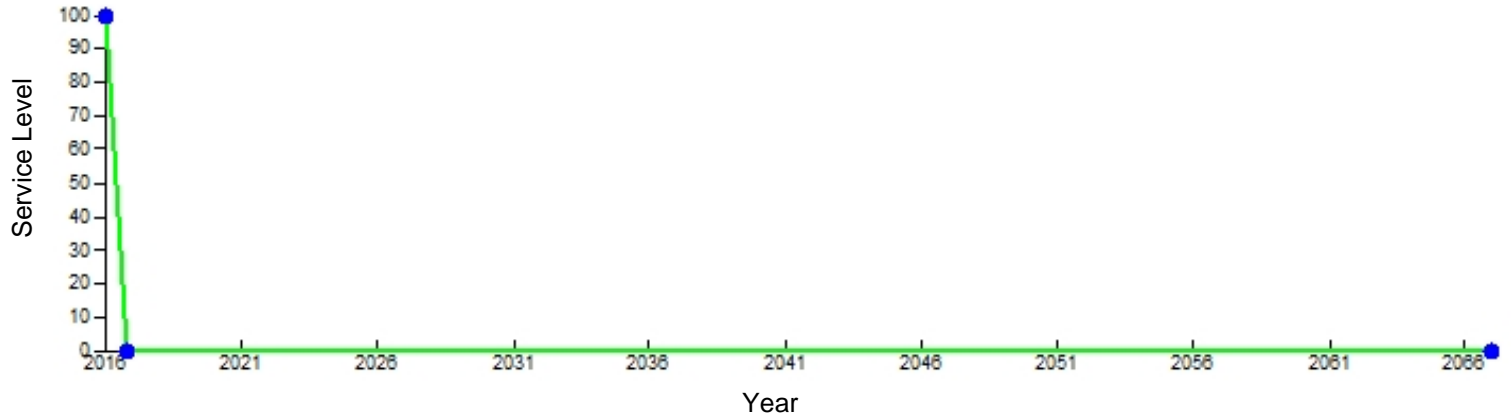
Pre-injury service level (%): 100.00%

Pre-restoration service level (%): 0.00%

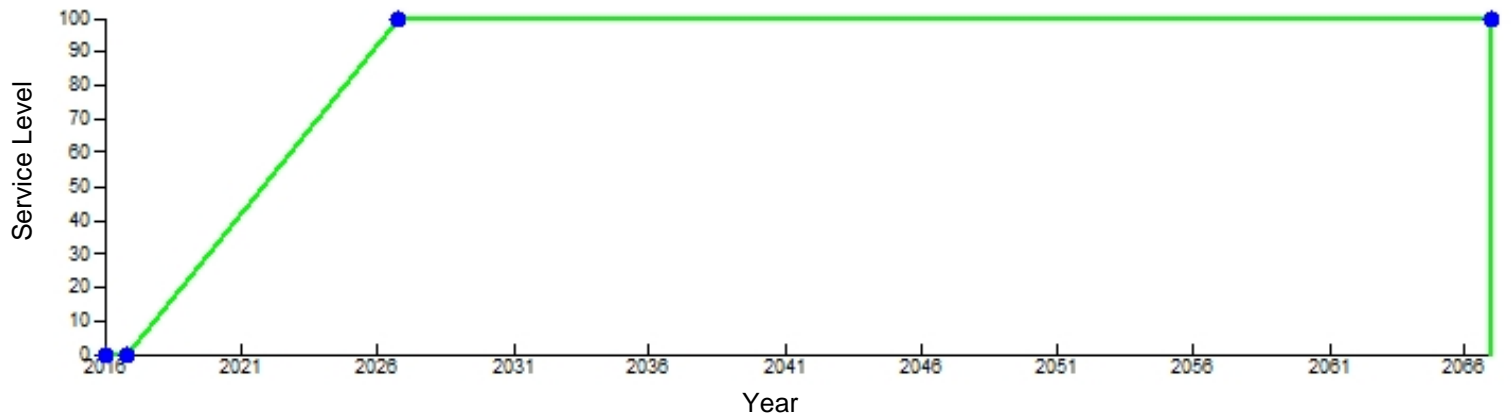
Value ratio injured/restored: 1.00

Discount rate per unit of time(%): 0.000

## Service losses at the Injury Area



## Service Gains at the Compensatory Area



## Service losses at the Injury Area

| Year    | % Services lost |         |         | Raw SUYs lost | Discount Factor | Discounted SUYs lost |
|---------|-----------------|---------|---------|---------------|-----------------|----------------------|
|         | Beginning       | End     | Mean    |               |                 |                      |
| 2016.00 | .00%            | 33.33%  | 16.67%  | 1.363         | 1.000           | 1.363                |
| 2016.25 | 33.33%          | 66.67%  | 50.00%  | 4.088         | 1.000           | 4.088                |
| 2016.50 | 66.67%          | 100.00% | 83.33%  | 6.813         | 1.000           | 6.813                |
| 2016.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2017.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2017.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2017.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2017.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2018.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2018.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2018.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2018.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2019.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2019.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2019.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2019.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2020.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2020.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2020.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2020.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2021.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2021.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2021.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2021.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2022.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2022.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2022.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2022.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2023.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2023.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2023.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2023.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2024.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2024.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2024.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2024.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2025.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2025.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2025.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2025.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2026.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2026.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2026.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2026.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2027.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2027.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2027.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2027.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2028.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2028.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2028.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |

## Service losses at the Injury Area

| Year    | % Services lost |         | Mean    | Raw SUYs lost | Discount Factor | Discounted SUYs lost |
|---------|-----------------|---------|---------|---------------|-----------------|----------------------|
|         | Beginning       | End     |         |               |                 |                      |
| 2028.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2029.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2029.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2029.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2029.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2030.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2030.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2030.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2030.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2031.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2031.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2031.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2031.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2032.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2032.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2032.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2032.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2033.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2033.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2033.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2033.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2034.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2034.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2034.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2034.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2035.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2035.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2035.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2035.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2036.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2036.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2036.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2036.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2037.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2037.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2037.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2037.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2038.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2038.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2038.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2038.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2039.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2039.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2039.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2039.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2040.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2040.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2040.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2040.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2041.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |

## Service losses at the Injury Area

| Year    | % Services lost |         | Mean    | Raw SUYs lost | Discount Factor | Discounted SUYs lost |
|---------|-----------------|---------|---------|---------------|-----------------|----------------------|
|         | Beginning       | End     |         |               |                 |                      |
| 2041.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2041.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2041.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2042.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2042.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2042.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2042.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2043.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2043.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2043.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2043.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2044.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2044.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2044.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2044.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2045.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2045.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2045.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2045.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2046.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2046.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2046.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2046.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2047.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2047.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2047.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2047.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2048.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2048.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2048.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2048.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2049.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2049.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2049.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2049.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2050.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2050.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2050.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2050.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2051.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2051.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2051.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2051.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2052.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2052.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2052.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2052.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2053.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2053.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2053.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |



## Service losses at the Injury Area

| Year    | % Services lost |         |         | Raw SUYs lost | Discount Factor | Discounted SUYs lost |
|---------|-----------------|---------|---------|---------------|-----------------|----------------------|
|         | Beginning       | End     | Mean    |               |                 |                      |
| 2053.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2054.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2054.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2054.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2054.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2055.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2055.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2055.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2055.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2056.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2056.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2056.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2056.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2057.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2057.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2057.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2057.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2058.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2058.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2058.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2058.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2059.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2059.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2059.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2059.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2060.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2060.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2060.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2060.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2061.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2061.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2061.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2061.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2062.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2062.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2062.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2062.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2063.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2063.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2063.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2063.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2064.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2064.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2064.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2064.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2065.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2065.25 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2065.50 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2065.75 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |
| 2066.00 | 100.00%         | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                |

**Service losses at the Injury Area**

| Year    | Beginning | % Services lost<br>End | Mean    | Raw SUYs lost | Discount Factor | Discounted SUYs lost |
|---------|-----------|------------------------|---------|---------------|-----------------|----------------------|
| 2066.25 | 100.00%   | 100.00%                | 100.00% | 8.175         | 1.000           | 8.175                |
| 2066.50 | 100.00%   | 100.00%                | 100.00% | 8.175         | 1.000           | 8.175                |
| 2066.75 | 100.00%   | 100.00%                | 100.00% | 8.175         | 1.000           | 8.175                |
| 2067.00 | 100.00%   | 100.00%                | 100.00% | 8.175         | 1.000           | 8.175                |

**Total Discounted Service Unit Years (DSUYs) lost: 1663.613**

## Service Gains at the Compensatory Area

| Year    | % Services gained |         |         | Raw SUYs lost | Discount Factor | Discounted SUYs gained |
|---------|-------------------|---------|---------|---------------|-----------------|------------------------|
|         | Beginning         | End     | Mean    |               |                 |                        |
| 2016.00 | .00%              | .00%    | 0.00%   | 0.000         | 1.000           | 0.000                  |
| 2016.25 | .00%              | .00%    | 0.00%   | 0.000         | 1.000           | 0.000                  |
| 2016.50 | .00%              | .00%    | 0.00%   | 0.000         | 1.000           | 0.000                  |
| 2016.75 | .00%              | 2.50%   | 1.25%   | 0.102         | 1.000           | 0.102                  |
| 2017.00 | 2.50%             | 5.00%   | 3.75%   | 0.307         | 1.000           | 0.307                  |
| 2017.25 | 5.00%             | 7.50%   | 6.25%   | 0.511         | 1.000           | 0.511                  |
| 2017.50 | 7.50%             | 10.00%  | 8.75%   | 0.715         | 1.000           | 0.715                  |
| 2017.75 | 10.00%            | 12.50%  | 11.25%  | 0.920         | 1.000           | 0.920                  |
| 2018.00 | 12.50%            | 15.00%  | 13.75%  | 1.124         | 1.000           | 1.124                  |
| 2018.25 | 15.00%            | 17.50%  | 16.25%  | 1.328         | 1.000           | 1.328                  |
| 2018.50 | 17.50%            | 20.00%  | 18.75%  | 1.533         | 1.000           | 1.533                  |
| 2018.75 | 20.00%            | 22.50%  | 21.25%  | 1.737         | 1.000           | 1.737                  |
| 2019.00 | 22.50%            | 25.00%  | 23.75%  | 1.942         | 1.000           | 1.942                  |
| 2019.25 | 25.00%            | 27.50%  | 26.25%  | 2.146         | 1.000           | 2.146                  |
| 2019.50 | 27.50%            | 30.00%  | 28.75%  | 2.350         | 1.000           | 2.350                  |
| 2019.75 | 30.00%            | 32.50%  | 31.25%  | 2.555         | 1.000           | 2.555                  |
| 2020.00 | 32.50%            | 35.00%  | 33.75%  | 2.759         | 1.000           | 2.759                  |
| 2020.25 | 35.00%            | 37.50%  | 36.25%  | 2.963         | 1.000           | 2.963                  |
| 2020.50 | 37.50%            | 40.00%  | 38.75%  | 3.168         | 1.000           | 3.168                  |
| 2020.75 | 40.00%            | 42.50%  | 41.25%  | 3.372         | 1.000           | 3.372                  |
| 2021.00 | 42.50%            | 45.00%  | 43.75%  | 3.577         | 1.000           | 3.577                  |
| 2021.25 | 45.00%            | 47.50%  | 46.25%  | 3.781         | 1.000           | 3.781                  |
| 2021.50 | 47.50%            | 50.00%  | 48.75%  | 3.985         | 1.000           | 3.985                  |
| 2021.75 | 50.00%            | 52.50%  | 51.25%  | 4.190         | 1.000           | 4.190                  |
| 2022.00 | 52.50%            | 55.00%  | 53.75%  | 4.394         | 1.000           | 4.394                  |
| 2022.25 | 55.00%            | 57.50%  | 56.25%  | 4.598         | 1.000           | 4.598                  |
| 2022.50 | 57.50%            | 60.00%  | 58.75%  | 4.803         | 1.000           | 4.803                  |
| 2022.75 | 60.00%            | 62.50%  | 61.25%  | 5.007         | 1.000           | 5.007                  |
| 2023.00 | 62.50%            | 65.00%  | 63.75%  | 5.212         | 1.000           | 5.212                  |
| 2023.25 | 65.00%            | 67.50%  | 66.25%  | 5.416         | 1.000           | 5.416                  |
| 2023.50 | 67.50%            | 70.00%  | 68.75%  | 5.620         | 1.000           | 5.620                  |
| 2023.75 | 70.00%            | 72.50%  | 71.25%  | 5.825         | 1.000           | 5.825                  |
| 2024.00 | 72.50%            | 75.00%  | 73.75%  | 6.029         | 1.000           | 6.029                  |
| 2024.25 | 75.00%            | 77.50%  | 76.25%  | 6.233         | 1.000           | 6.233                  |
| 2024.50 | 77.50%            | 80.00%  | 78.75%  | 6.438         | 1.000           | 6.438                  |
| 2024.75 | 80.00%            | 82.50%  | 81.25%  | 6.642         | 1.000           | 6.642                  |
| 2025.00 | 82.50%            | 85.00%  | 83.75%  | 6.847         | 1.000           | 6.847                  |
| 2025.25 | 85.00%            | 87.50%  | 86.25%  | 7.051         | 1.000           | 7.051                  |
| 2025.50 | 87.50%            | 90.00%  | 88.75%  | 7.255         | 1.000           | 7.255                  |
| 2025.75 | 90.00%            | 92.50%  | 91.25%  | 7.460         | 1.000           | 7.460                  |
| 2026.00 | 92.50%            | 95.00%  | 93.75%  | 7.664         | 1.000           | 7.664                  |
| 2026.25 | 95.00%            | 97.50%  | 96.25%  | 7.868         | 1.000           | 7.868                  |
| 2026.50 | 97.50%            | 100.00% | 98.75%  | 8.073         | 1.000           | 8.073                  |
| 2026.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2027.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2027.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2027.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2027.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2028.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2028.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2028.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |

## Service Gains at the Compensatory Area

| Year    | % Services gained |         |         | Raw SUYs lost | Discount Factor | Discounted SUYs gained |
|---------|-------------------|---------|---------|---------------|-----------------|------------------------|
|         | Beginning         | End     | Mean    |               |                 |                        |
| 2028.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2029.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2029.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2029.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2029.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2030.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2030.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2030.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2030.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2031.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2031.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2031.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2031.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2032.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2032.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2032.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2032.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2033.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2033.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2033.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2033.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2034.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2034.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2034.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2034.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2035.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2035.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2035.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2035.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2036.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2036.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2036.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2036.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2037.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2037.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2037.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2037.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2038.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2038.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2038.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2038.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2039.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2039.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2039.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2039.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2040.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2040.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2040.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2040.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2041.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |

## Service Gains at the Compensatory Area

| Year    | % Services gained |         |         | Raw SUYs lost | Discount Factor | Discounted SUYs gained |
|---------|-------------------|---------|---------|---------------|-----------------|------------------------|
|         | Beginning         | End     | Mean    |               |                 |                        |
| 2041.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2041.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2041.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2042.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2042.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2042.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2042.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2043.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2043.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2043.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2043.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2044.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2044.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2044.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2044.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2045.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2045.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2045.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2045.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2046.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2046.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2046.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2046.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2047.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2047.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2047.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2047.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2048.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2048.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2048.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2048.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2049.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2049.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2049.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2049.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2050.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2050.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2050.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2050.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2051.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2051.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2051.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2051.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2052.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2052.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2052.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2052.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2053.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2053.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2053.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |

## Service Gains at the Compensatory Area

| Year    | % Services gained |         |         | Raw SUYs lost | Discount Factor | Discounted SUYs gained |
|---------|-------------------|---------|---------|---------------|-----------------|------------------------|
|         | Beginning         | End     | Mean    |               |                 |                        |
| 2053.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2054.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2054.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2054.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2054.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2055.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2055.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2055.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2055.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2056.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2056.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2056.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2056.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2057.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2057.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2057.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2057.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2058.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2058.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2058.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2058.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2059.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2059.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2059.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2059.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2060.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2060.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2060.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2060.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2061.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2061.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2061.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2061.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2062.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2062.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2062.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2062.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2063.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2063.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2063.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2063.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2064.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2064.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2064.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2064.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2065.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2065.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2065.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2065.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2066.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |

## Service Gains at the Compensatory Area

| Year    | % Services gained |         | Mean    | Raw SUYs lost | Discount Factor | Discounted SUYs gained |
|---------|-------------------|---------|---------|---------------|-----------------|------------------------|
|         | Beginning         | End     |         |               |                 |                        |
| 2066.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2066.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2066.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2067.00 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2067.25 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2067.50 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |
| 2067.75 | 100.00%           | 100.00% | 100.00% | 8.175         | 1.000           | 8.175                  |

**Total Discounted Service Unit Years (DSUYs) Gained: 1512.375**

**Discounted SUYs gained per unit: 46.250**

**Replacement habitat size (acre):  $1.00 * 1663.613/46.25$  35.970**