tables\_output

David

2/3/2022

Tables for results printing

#knitr::opts\_chunk$set(echo = F)  
options(kableExtra.auto\_format = FALSE)  
library(kableExtra)

## Warning: package 'kableExtra' was built under R version 4.1.2

library(knitr)

## Warning: package 'knitr' was built under R version 4.1.2

# STcon  
#Scenario A1 STcon   
Table\_result<- read.table("Table\_Results/All streams\_STcon\_A1.txt", sep = ",")  
  
knitr::kable(Table\_result, caption = "STcon Scenario A1")%>%  
 kable\_styling(bootstrap\_options = "striped",full\_width = F, position="left")

## Warning in kable\_styling(., bootstrap\_options = "striped", full\_width = F, :  
## Please specify format in kable. kableExtra can customize either HTML or LaTeX  
## outputs. See https://haozhu233.github.io/kableExtra/ for details.

STcon Scenario A1

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Riera | Codi\_HOBO | Latitud | Longitud | ID | DtoU | NonW\_Dir\_con | NonW\_Dir\_Ocl | NonW\_Dir\_Acl | NonW\_Dir\_Bet |
| C | MECCR9 | 41653218 | 2072647 | C | 1 | 1.060 | 0.088 | 0.105 | 0.000 |
| C | MECCR8 | 41653537 | 2068792 | C | 2 | 1.134 | 0.105 | 0.116 | 6.854 |
| C | MECCP7 | 41653692 | 2069290 | C | 3 | 1.068 | 0.100 | 0.125 | 12.566 |
| C | MECCR6 | 41654248 | 2068320 | C | 4 | 0.971 | 0.081 | 0.134 | 16.291 |
| C | MECCP5 | 41654308 | 2068417 | C | 5 | 0.997 | 0.093 | 0.141 | 18.711 |
| C | CA7 | 41653000 | 2065000 | C | 6 | 0.853 | 0.059 | 0.147 | 19.670 |
| C | CA6 | 41653000 | 2065001 | C | 7 | 0.872 | 0.065 | 0.144 | 20.469 |
| C | CA5 | 41653000 | 2066000 | C | 8 | 0.801 | 0.053 | 0.145 | 20.176 |
| C | CA12 | 41652000 | 2062000 | C | 9 | 0.984 | 0.065 | 0.145 | 18.812 |
| C | CA11 | 41652000 | 2062001 | C | 10 | 1.111 | 0.081 | 0.138 | 17.566 |
| C | CA4 | 41652000 | 2061000 | C | 11 | 0.839 | 0.047 | 0.131 | 15.047 |
| C | CA15 | 41651000 | 2059998 | C | 12 | 1.103 | 0.075 | 0.120 | 11.977 |
| C | CA14 | 41651000 | 2060001 | C | 13 | 0.585 | 0.027 | 0.112 | 7.777 |
| C | CA3 | 41651000 | 2060002 | C | 14 | 1.488 | 0.071 | 0.098 | 4.248 |
| C | CA2 | 41651000 | 2060000 | C | 15 | 0.000 | 0.057 | 0.092 | 0.000 |
| M | MECMP2 | 41694288 | 1988722 | M | 1 | 0.621 | 0.153 | 0.267 | 0.000 |
| M | MECMR3 | 41694558 | 1987920 | M | 2 | 1.359 | 0.285 | 0.398 | 0.926 |
| M | MU4 | 41695000 | 1986001 | M | 3 | 1.654 | 0.306 | 0.482 | 2.180 |
| M | MU8 | 41696000 | 1985002 | M | 4 | 1.495 | 0.250 | 0.458 | 2.084 |
| M | MU9 | 41696000 | 1984999 | M | 5 | 0.000 | 0.199 | 0.362 | 0.000 |
| R | MECRP12 | 41630738 | 1935417 | R | 1 | 1.395 | 0.595 | 0.601 | 0.000 |
| R | MECRP10 | 41630940 | 1935158 | R | 2 | 0.909 | 0.312 | 0.809 | 0.625 |
| R | MECRP6 | 41631823 | 1933943 | R | 3 | 0.000 | 0.185 | 0.541 | 0.000 |
| SA | MECSP11 | 41620913 | 1913022 | SA | 1 | 1.109 | 0.156 | 0.157 | 0.000 |
| SA | MECSR10 | 41620702 | 1912897 | SA | 2 | 0.967 | 0.111 | 0.178 | 4.066 |
| SA | MECSP9 | 41620672 | 1912892 | SA | 3 | 1.286 | 0.157 | 0.210 | 6.891 |
| SA | MECSR8 | 41620255 | 1912333 | SA | 4 | 1.124 | 0.109 | 0.233 | 9.307 |
| SA | MECSP7 | 41619988 | 1912018 | SA | 5 | 1.730 | 0.157 | 0.262 | 10.742 |
| SA | MECSP5 | 41620465 | 1909950 | SA | 6 | 1.745 | 0.148 | 0.269 | 12.295 |
| SA | MECSR4 | 41620477 | 1909908 | SA | 7 | 1.678 | 0.131 | 0.259 | 12.018 |
| SA | MECSP3 | 41619435 | 1908955 | SA | 8 | 1.661 | 0.123 | 0.237 | 9.938 |
| SA | MECSP2 | 41619562 | 1908800 | SA | 9 | 1.495 | 0.111 | 0.210 | 5.967 |
| SA | MECSR1 | 41620058 | 1908955 | SA | 10 | 0.000 | 0.044 | 0.181 | 0.000 |
| SC | MECSCP1 | 41695615 | 1892313 | SC | 1 | 0.398 | 0.070 | 0.109 | 0.000 |
| SC | MECSCR2 | 41695703 | 1892218 | SC | 2 | 0.403 | 0.060 | 0.118 | 1.365 |
| SC | MECSCP3 | 41695902 | 1892112 | SC | 3 | 0.384 | 0.065 | 0.121 | 2.377 |
| SC | MECSCR4 | 41696380 | 1891908 | SC | 4 | 0.368 | 0.065 | 0.126 | 2.564 |
| SC | MECSCR5 | 41696653 | 1891595 | SC | 5 | 0.239 | 0.028 | 0.123 | 2.453 |
| SC | MECSCP6 | 41696293 | 1890620 | SC | 6 | 0.331 | 0.038 | 0.121 | 2.314 |
| SC | MECSCR7 | 41696412 | 1889827 | SC | 7 | 0.361 | 0.032 | 0.119 | 2.334 |
| SC | MECSCP10 | 41696925 | 1885465 | SC | 8 | 0.385 | 0.028 | 0.117 | 2.180 |
| SC | MECSCR11 | 41697135 | 1884803 | SC | 9 | 0.708 | 0.048 | 0.115 | 1.910 |
| SC | MECSCP12 | 41697392 | 1883818 | SC | 10 | 0.704 | 0.048 | 0.113 | 1.375 |
| SC | MECSCP13 | 41698053 | 1883010 | SC | 11 | 0.000 | 0.057 | 0.108 | 0.000 |
| T | MECTP8 | 41737200 | 1984032 | T | 1 | 0.935 | 0.111 | 0.124 | 0.000 |
| T | MECTP9 | 41737260 | 1983757 | T | 2 | 0.886 | 0.110 | 0.136 | 4.371 |
| T | MECTR7 | 41737260 | 1983756 | T | 3 | 0.781 | 0.087 | 0.147 | 7.125 |
| T | MECTR10 | 41738010 | 1983185 | T | 4 | 0.705 | 0.063 | 0.155 | 8.666 |
| T | MECTR6 | 41738338 | 1982688 | T | 5 | 0.813 | 0.083 | 0.161 | 9.971 |
| T | MECTP5 | 41738338 | 1982689 | T | 6 | 0.769 | 0.070 | 0.166 | 10.625 |
| T | MECTR4 | 41739000 | 1982445 | T | 7 | 0.724 | 0.061 | 0.165 | 10.404 |
| T | MECTP3 | 41739375 | 1982355 | T | 8 | 0.787 | 0.064 | 0.159 | 9.424 |
| T | MECTR2 | 41739627 | 1982025 | T | 9 | 0.719 | 0.046 | 0.150 | 7.693 |
| T | MECTP14 | 41739728 | 1981542 | T | 10 | 1.569 | 0.094 | 0.141 | 5.941 |
| T | MECTP12 | 41740022 | 1981257 | T | 11 | 1.488 | 0.090 | 0.131 | 3.914 |
| T | MECTR11 | 41740147 | 1981228 | T | 12 | 0.000 | 0.080 | 0.121 | 0.000 |
| VH | MECHP1 | 41676100 | 2016936 | VH | 1 | 0.871 | 0.143 | 0.143 | 0.000 |
| VH | MECHP2 | 41676370 | 2018400 | VH | 2 | 0.725 | 0.115 | 0.157 | 2.873 |
| VH | MECHR3 | 41676912 | 2020270 | VH | 3 | 0.550 | 0.059 | 0.168 | 4.125 |
| VH | MECHR4 | 41678042 | 2023948 | VH | 4 | 1.434 | 0.136 | 0.206 | 5.203 |
| VH | MECHR5 | 41678685 | 2027173 | VH | 5 | 1.820 | 0.163 | 0.235 | 8.203 |
| VH | MECHR6 | 41677357 | 2029443 | VH | 6 | 1.787 | 0.149 | 0.245 | 10.539 |
| VH | MECHP7 | 41677352 | 2029427 | VH | 7 | 1.737 | 0.136 | 0.241 | 10.887 |
| VH | MECHR8 | 41676292 | 2031330 | VH | 8 | 1.654 | 0.123 | 0.226 | 9.246 |
| VH | MECHP9 | 41675630 | 2031887 | VH | 9 | 1.491 | 0.111 | 0.204 | 5.617 |
| VH | MECHP10 | 41673252 | 2034440 | VH | 10 | 0.000 | 0.099 | 0.180 | 0.000 |

#Scenario A2 STcon   
Table\_result<- read.table("Table\_Results/All streams\_STcon\_A2.txt", sep = ",")  
  
knitr::kable(Table\_result, caption = "STcon Scenario A2")%>%  
 kable\_styling(bootstrap\_options = "striped",full\_width = F, position="left")

## Warning in kable\_styling(., bootstrap\_options = "striped", full\_width = F, :  
## Please specify format in kable. kableExtra can customize either HTML or LaTeX  
## outputs. See https://haozhu233.github.io/kableExtra/ for details.

STcon Scenario A2

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Riera | Codi\_HOBO | Latitud | Longitud | ID | DtoU | WEIG\_Dir\_con | WEIG\_Dir\_Ocl | WEIG\_Dir\_Acl | WEIG\_Dir\_Bet |
| C | MECCR9 | 41653218 | 2072647 | C | 1 | 7213.981 | 0.000 | 0.017 | 0.000 |
| C | MECCR8 | 41653537 | 2068792 | C | 2 | 6010.757 | 0.002 | 0.002 | 6.854 |
| C | MECCP7 | 41653692 | 2069290 | C | 3 | 6937.903 | 0.003 | 0.002 | 12.566 |
| C | MECCR6 | 41654248 | 2068320 | C | 4 | 5497.867 | 0.001 | 0.002 | 16.291 |
| C | MECCP5 | 41654308 | 2068417 | C | 5 | 7248.325 | 0.002 | 0.001 | 18.711 |
| C | CA7 | 41653000 | 2065000 | C | 6 | 2711.856 | 0.000 | 0.001 | 19.670 |
| C | CA6 | 41653000 | 2065001 | C | 7 | 3489.551 | 0.002 | 0.023 | 20.469 |
| C | CA5 | 41653000 | 2066000 | C | 8 | 4184.358 | 0.001 | 0.022 | 20.176 |
| C | CA12 | 41652000 | 2062000 | C | 9 | 1306.509 | 0.004 | 0.014 | 18.812 |
| C | CA11 | 41652000 | 2062001 | C | 10 | 1764.918 | 0.006 | 0.005 | 17.566 |
| C | CA4 | 41652000 | 2061000 | C | 11 | 951.108 | 0.002 | 0.004 | 15.047 |
| C | CA15 | 41651000 | 2059998 | C | 12 | 2.173 | 0.073 | 0.031 | 11.977 |
| C | CA14 | 41651000 | 2060001 | C | 13 | 0.686 | 0.027 | 0.031 | 7.777 |
| C | CA3 | 41651000 | 2060002 | C | 14 | 0.206 | 0.071 | 0.046 | 4.248 |
| C | CA2 | 41651000 | 2060000 | C | 15 | 0.000 | 0.057 | 0.046 | 0.000 |
| M | MECMP2 | 41694288 | 1988722 | M | 1 | 2119.278 | 0.001 | 0.115 | 0.000 |
| M | MECMR3 | 41694558 | 1987920 | M | 2 | 900.313 | 0.000 | 0.020 | 0.926 |
| M | MU4 | 41695000 | 1986001 | M | 3 | 192.892 | 0.001 | 0.001 | 2.180 |
| M | MU8 | 41696000 | 1985002 | M | 4 | 0.299 | 0.222 | 0.002 | 2.084 |
| M | MU9 | 41696000 | 1984999 | M | 5 | 0.000 | 0.199 | 0.002 | 0.000 |
| R | MECRP12 | 41630738 | 1935417 | R | 1 | 546.707 | 0.003 | 0.008 | 0.000 |
| R | MECRP10 | 41630940 | 1935158 | R | 2 | 654.032 | 0.001 | 0.008 | 0.625 |
| R | MECRP6 | 41631823 | 1933943 | R | 3 | 0.000 | 0.185 | 0.125 | 0.000 |
| SA | MECSP11 | 41620913 | 1913022 | SA | 1 | 2471.088 | 0.011 | 0.012 | 0.000 |
| SA | MECSR10 | 41620702 | 1912897 | SA | 2 | 1722.488 | 0.002 | 0.012 | 4.066 |
| SA | MECSP9 | 41620672 | 1912892 | SA | 3 | 2210.639 | 0.005 | 0.004 | 6.891 |
| SA | MECSR8 | 41620255 | 1912333 | SA | 4 | 1230.438 | 0.000 | 0.004 | 9.307 |
| SA | MECSP7 | 41619988 | 1912018 | SA | 5 | 631.299 | 0.001 | 0.003 | 10.742 |
| SA | MECSP5 | 41620465 | 1909950 | SA | 6 | 212.827 | 0.004 | 0.001 | 12.295 |
| SA | MECSR4 | 41620477 | 1909908 | SA | 7 | 233.698 | 0.002 | 0.001 | 12.018 |
| SA | MECSP3 | 41619435 | 1908955 | SA | 8 | 54.731 | 0.009 | 0.001 | 9.938 |
| SA | MECSP2 | 41619562 | 1908800 | SA | 9 | 51.813 | 0.015 | 0.001 | 5.967 |
| SA | MECSR1 | 41620058 | 1908955 | SA | 10 | 0.000 | 0.044 | 0.001 | 0.000 |
| SC | MECSCP1 | 41695615 | 1892313 | SC | 1 | 5058.735 | 0.012 | 0.052 | 0.000 |
| SC | MECSCR2 | 41695703 | 1892218 | SC | 2 | 4950.650 | 0.003 | 0.040 | 1.365 |
| SC | MECSCP3 | 41695902 | 1892112 | SC | 3 | 5696.913 | 0.005 | 0.041 | 2.377 |
| SC | MECSCR4 | 41696380 | 1891908 | SC | 4 | 6105.401 | 0.008 | 0.021 | 2.564 |
| SC | MECSCR5 | 41696653 | 1891595 | SC | 5 | 4879.349 | 0.001 | 0.040 | 2.453 |
| SC | MECSCP6 | 41696293 | 1890620 | SC | 6 | 4772.144 | 0.002 | 0.055 | 2.314 |
| SC | MECSCR7 | 41696412 | 1889827 | SC | 7 | 4725.623 | 0.000 | 0.056 | 2.334 |
| SC | MECSCP10 | 41696925 | 1885465 | SC | 8 | 1174.453 | 0.000 | 0.063 | 2.180 |
| SC | MECSCR11 | 41697135 | 1884803 | SC | 9 | 866.639 | 0.002 | 0.051 | 1.910 |
| SC | MECSCP12 | 41697392 | 1883818 | SC | 10 | 592.205 | 0.004 | 0.047 | 1.375 |
| SC | MECSCP13 | 41698053 | 1883010 | SC | 11 | 0.000 | 0.057 | 0.048 | 0.000 |
| T | MECTP8 | 41737200 | 1984032 | T | 1 | 2431.017 | 0.005 | 0.018 | 0.000 |
| T | MECTP9 | 41737260 | 1983757 | T | 2 | 2520.025 | 0.022 | 0.021 | 4.371 |
| T | MECTR7 | 41737260 | 1983756 | T | 3 | 2349.973 | 0.003 | 0.022 | 7.125 |
| T | MECTR10 | 41738010 | 1983185 | T | 4 | 1295.734 | 0.001 | 0.025 | 8.666 |
| T | MECTR6 | 41738338 | 1982688 | T | 5 | 1269.684 | 0.022 | 0.044 | 9.971 |
| T | MECTP5 | 41738338 | 1982689 | T | 6 | 1289.064 | 0.003 | 0.038 | 10.625 |
| T | MECTR4 | 41739000 | 1982445 | T | 7 | 849.834 | 0.004 | 0.030 | 10.404 |
| T | MECTP3 | 41739375 | 1982355 | T | 8 | 733.138 | 0.006 | 0.031 | 9.424 |
| T | MECTR2 | 41739627 | 1982025 | T | 9 | 460.972 | 0.002 | 0.032 | 7.693 |
| T | MECTP14 | 41739728 | 1981542 | T | 10 | 82.816 | 0.010 | 0.010 | 5.941 |
| T | MECTP12 | 41740022 | 1981257 | T | 11 | 13.246 | 0.044 | 0.012 | 3.914 |
| T | MECTR11 | 41740147 | 1981228 | T | 12 | 0.000 | 0.080 | 0.011 | 0.000 |
| VH | MECHP1 | 41676100 | 2016936 | VH | 1 | 13414.321 | 0.002 | 0.002 | 0.000 |
| VH | MECHP2 | 41676370 | 2018400 | VH | 2 | 11492.366 | 0.002 | 0.003 | 2.873 |
| VH | MECHR3 | 41676912 | 2020270 | VH | 3 | 7008.231 | 0.000 | 0.020 | 4.125 |
| VH | MECHR4 | 41678042 | 2023948 | VH | 4 | 2367.448 | 0.000 | 0.019 | 5.203 |
| VH | MECHR5 | 41678685 | 2027173 | VH | 5 | 836.711 | 0.000 | 0.001 | 8.203 |
| VH | MECHR6 | 41677357 | 2029443 | VH | 6 | 471.649 | 0.001 | 0.001 | 10.539 |
| VH | MECHP7 | 41677352 | 2029427 | VH | 7 | 592.389 | 0.001 | 0.001 | 10.887 |
| VH | MECHR8 | 41676292 | 2031330 | VH | 8 | 353.149 | 0.002 | 0.001 | 9.246 |
| VH | MECHP9 | 41675630 | 2031887 | VH | 9 | 354.005 | 0.003 | 0.001 | 5.617 |
| VH | MECHP10 | 41673252 | 2034440 | VH | 10 | 0.000 | 0.099 | 0.000 | 0.000 |

#Scenario B1 STcon   
Table\_result<- read.table("Table\_Results/All streams\_STcon\_B1.txt", sep = ",")  
  
knitr::kable(Table\_result, caption = "STcon Scenario B1")%>%  
 kable\_styling(bootstrap\_options = "striped",full\_width = F, position="left")

## Warning in kable\_styling(., bootstrap\_options = "striped", full\_width = F, :  
## Please specify format in kable. kableExtra can customize either HTML or LaTeX  
## outputs. See https://haozhu233.github.io/kableExtra/ for details.

STcon Scenario B1

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Riera | Codi\_HOBO | Latitud | Longitud | ID | DtoU | Un\_NonW\_con | Un\_NonW\_Ocl | Un\_NonW\_Acl | Un\_NonW\_Bet |
| C | MECCR9 | 41653218 | 2072647 | C | 1 | 9.188 | 0.444 | 0.460 | 0 |
| C | MECCR8 | 41653537 | 2068792 | C | 2 | 10.783 | 0.473 | 0.473 | 0 |
| C | MECCP7 | 41653692 | 2069290 | C | 3 | 10.783 | 0.473 | 0.473 | 0 |
| C | MECCR6 | 41654248 | 2068320 | C | 4 | 9.352 | 0.446 | 0.461 | 0 |
| C | MECCP5 | 41654308 | 2068417 | C | 5 | 10.783 | 0.473 | 0.473 | 0 |
| C | CA7 | 41653000 | 2065000 | C | 6 | 7.227 | 0.401 | 0.431 | 0 |
| C | CA6 | 41653000 | 2065001 | C | 7 | 8.629 | 0.433 | 0.454 | 0 |
| C | CA5 | 41653000 | 2066000 | C | 8 | 7.275 | 0.403 | 0.433 | 0 |
| C | CA12 | 41652000 | 2062000 | C | 9 | 8.676 | 0.425 | 0.443 | 0 |
| C | CA11 | 41652000 | 2062001 | C | 10 | 10.783 | 0.473 | 0.473 | 0 |
| C | CA4 | 41652000 | 2061000 | C | 11 | 7.416 | 0.405 | 0.434 | 0 |
| C | CA15 | 41651000 | 2059998 | C | 12 | 10.783 | 0.473 | 0.473 | 0 |
| C | CA14 | 41651000 | 2060001 | C | 13 | 4.959 | 0.331 | 0.373 | 0 |
| C | CA3 | 41651000 | 2060002 | C | 14 | 10.783 | 0.473 | 0.473 | 0 |
| C | CA2 | 41651000 | 2060000 | C | 15 | 9.584 | 0.448 | 0.458 | 0 |
| M | MECMP2 | 41694288 | 1988722 | M | 1 | 1.586 | 0.367 | 0.482 | 0 |
| M | MECMR3 | 41694558 | 1987920 | M | 2 | 2.656 | 0.546 | 0.588 | 0 |
| M | MU4 | 41695000 | 1986001 | M | 3 | 3.195 | 0.635 | 0.636 | 0 |
| M | MU8 | 41696000 | 1985002 | M | 4 | 3.199 | 0.636 | 0.636 | 0 |
| M | MU9 | 41696000 | 1984999 | M | 5 | 3.195 | 0.635 | 0.636 | 0 |
| R | MECRP12 | 41630738 | 1935417 | R | 1 | 1.176 | 0.673 | 0.678 | 0 |
| R | MECRP10 | 41630940 | 1935158 | R | 2 | 1.074 | 0.537 | 0.661 | 0 |
| R | MECRP6 | 41631823 | 1933943 | R | 3 | 1.000 | 0.501 | 0.649 | 0 |
| SA | MECSP11 | 41620913 | 1913022 | SA | 1 | 7.586 | 0.552 | 0.552 | 0 |
| SA | MECSR10 | 41620702 | 1912897 | SA | 2 | 5.148 | 0.440 | 0.478 | 0 |
| SA | MECSP9 | 41620672 | 1912892 | SA | 3 | 7.600 | 0.552 | 0.553 | 0 |
| SA | MECSR8 | 41620255 | 1912333 | SA | 4 | 5.172 | 0.439 | 0.476 | 0 |
| SA | MECSP7 | 41619988 | 1912018 | SA | 5 | 7.389 | 0.542 | 0.545 | 0 |
| SA | MECSP5 | 41620465 | 1909950 | SA | 6 | 7.586 | 0.552 | 0.552 | 0 |
| SA | MECSR4 | 41620477 | 1909908 | SA | 7 | 7.391 | 0.543 | 0.546 | 0 |
| SA | MECSP3 | 41619435 | 1908955 | SA | 8 | 7.605 | 0.553 | 0.553 | 0 |
| SA | MECSP2 | 41619562 | 1908800 | SA | 9 | 7.605 | 0.553 | 0.553 | 0 |
| SA | MECSR1 | 41620058 | 1908955 | SA | 10 | 3.758 | 0.356 | 0.412 | 0 |
| SC | MECSCP1 | 41695615 | 1892313 | SC | 1 | 2.824 | 0.178 | 0.217 | 0 |
| SC | MECSCR2 | 41695703 | 1892218 | SC | 2 | 3.330 | 0.184 | 0.233 | 0 |
| SC | MECSCP3 | 41695902 | 1892112 | SC | 3 | 3.326 | 0.192 | 0.232 | 0 |
| SC | MECSCR4 | 41696380 | 1891908 | SC | 4 | 2.713 | 0.180 | 0.218 | 0 |
| SC | MECSCR5 | 41696653 | 1891595 | SC | 5 | 1.891 | 0.131 | 0.201 | 0 |
| SC | MECSCP6 | 41696293 | 1890620 | SC | 6 | 2.242 | 0.138 | 0.200 | 0 |
| SC | MECSCR7 | 41696412 | 1889827 | SC | 7 | 2.205 | 0.146 | 0.213 | 0 |
| SC | MECSCP10 | 41696925 | 1885465 | SC | 8 | 1.977 | 0.135 | 0.205 | 0 |
| SC | MECSCR11 | 41697135 | 1884803 | SC | 9 | 3.203 | 0.180 | 0.230 | 0 |
| SC | MECSCP12 | 41697392 | 1883818 | SC | 10 | 3.375 | 0.186 | 0.233 | 0 |
| SC | MECSCP13 | 41698053 | 1883010 | SC | 11 | 3.699 | 0.204 | 0.237 | 0 |
| T | MECTP8 | 41737200 | 1984032 | T | 1 | 6.992 | 0.435 | 0.448 | 0 |
| T | MECTP9 | 41737260 | 1983757 | T | 2 | 7.266 | 0.443 | 0.452 | 0 |
| T | MECTR7 | 41737260 | 1983756 | T | 3 | 6.172 | 0.411 | 0.436 | 0 |
| T | MECTR10 | 41738010 | 1983185 | T | 4 | 4.633 | 0.364 | 0.410 | 0 |
| T | MECTR6 | 41738338 | 1982688 | T | 5 | 5.959 | 0.403 | 0.428 | 0 |
| T | MECTP5 | 41738338 | 1982689 | T | 6 | 5.738 | 0.399 | 0.433 | 0 |
| T | MECTR4 | 41739000 | 1982445 | T | 7 | 5.170 | 0.379 | 0.418 | 0 |
| T | MECTP3 | 41739375 | 1982355 | T | 8 | 5.785 | 0.400 | 0.433 | 0 |
| T | MECTR2 | 41739627 | 1982025 | T | 9 | 4.273 | 0.338 | 0.386 | 0 |
| T | MECTP14 | 41739728 | 1981542 | T | 10 | 7.377 | 0.449 | 0.453 | 0 |
| T | MECTP12 | 41740022 | 1981257 | T | 11 | 7.588 | 0.455 | 0.456 | 0 |
| T | MECTR11 | 41740147 | 1981228 | T | 12 | 7.430 | 0.450 | 0.453 | 0 |
| VH | MECHP1 | 41676100 | 2016936 | VH | 1 | 7.877 | 0.587 | 0.588 | 0 |
| VH | MECHP2 | 41676370 | 2018400 | VH | 2 | 6.670 | 0.533 | 0.551 | 0 |
| VH | MECHR3 | 41676912 | 2020270 | VH | 3 | 2.914 | 0.309 | 0.376 | 0 |
| VH | MECHR4 | 41678042 | 2023948 | VH | 4 | 6.371 | 0.514 | 0.536 | 0 |
| VH | MECHR5 | 41678685 | 2027173 | VH | 5 | 7.877 | 0.587 | 0.588 | 0 |
| VH | MECHR6 | 41677357 | 2029443 | VH | 6 | 7.877 | 0.587 | 0.588 | 0 |
| VH | MECHP7 | 41677352 | 2029427 | VH | 7 | 7.877 | 0.587 | 0.588 | 0 |
| VH | MECHR8 | 41676292 | 2031330 | VH | 8 | 7.877 | 0.587 | 0.588 | 0 |
| VH | MECHP9 | 41675630 | 2031887 | VH | 9 | 7.877 | 0.587 | 0.588 | 0 |
| VH | MECHP10 | 41673252 | 2034440 | VH | 10 | 7.877 | 0.587 | 0.588 | 0 |

#Scenario B2 STcon   
Table\_result<- read.table("Table\_Results/All streams\_STcon\_B2.txt", sep = ",")  
  
knitr::kable(Table\_result, caption = "STcon Scenario B2")%>%  
 kable\_styling(bootstrap\_options = "striped",full\_width = F, position="left")

## Warning in kable\_styling(., bootstrap\_options = "striped", full\_width = F, :  
## Please specify format in kable. kableExtra can customize either HTML or LaTeX  
## outputs. See https://haozhu233.github.io/kableExtra/ for details.

STcon Scenario B2

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Riera | Codi\_HOBO | Latitud | Longitud | ID | DtoU | Un\_WEIG\_con | Un\_WEIG\_Ocl | Un\_WEIG\_Acl | Un\_WEIG\_Bet |
| C | MECCR9 | 41653218 | 2072647 | C | 1 | 51615.124 | 0.000 | 0.017 | 0.000 |
| C | MECCR8 | 41653537 | 2068792 | C | 2 | 23668.678 | 0.000 | 0.001 | 0.000 |
| C | MECCP7 | 41653692 | 2069290 | C | 3 | 25395.887 | 0.000 | 0.001 | 0.000 |
| C | MECCR6 | 41654248 | 2068320 | C | 4 | 30102.221 | 0.000 | 0.015 | 0.000 |
| C | MECCP5 | 41654308 | 2068417 | C | 5 | 23197.812 | 0.000 | 0.001 | 0.000 |
| C | CA7 | 41653000 | 2065000 | C | 6 | 30680.507 | 0.000 | 0.030 | 0.000 |
| C | CA6 | 41653000 | 2065001 | C | 7 | 24473.075 | 0.000 | 0.021 | 0.275 |
| C | CA5 | 41653000 | 2066000 | C | 8 | 32278.074 | 0.000 | 0.030 | 0.000 |
| C | CA12 | 41652000 | 2062000 | C | 9 | 24927.377 | 0.000 | 0.018 | 0.256 |
| C | CA11 | 41652000 | 2062001 | C | 10 | 16010.404 | 0.000 | 0.001 | 0.000 |
| C | CA4 | 41652000 | 2061000 | C | 11 | 33239.710 | 0.000 | 0.029 | 0.000 |
| C | CA15 | 41651000 | 2059998 | C | 12 | 19374.492 | 0.000 | 0.001 | 0.000 |
| C | CA14 | 41651000 | 2060001 | C | 13 | 49195.910 | 0.000 | 0.043 | 0.354 |
| C | CA3 | 41651000 | 2060002 | C | 14 | 19361.088 | 0.000 | 0.001 | 0.000 |
| C | CA2 | 41651000 | 2060000 | C | 15 | 26256.900 | 0.000 | 0.010 | 0.599 |
| M | MECMP2 | 41694288 | 1988722 | M | 1 | 7376.719 | 0.000 | 0.115 | 0.000 |
| M | MECMR3 | 41694558 | 1987920 | M | 2 | 3099.793 | 0.000 | 0.043 | 0.000 |
| M | MU4 | 41695000 | 1986001 | M | 3 | 2602.470 | 0.001 | 0.002 | 0.000 |
| M | MU8 | 41696000 | 1985002 | M | 4 | 3613.095 | 0.001 | 0.001 | 0.000 |
| M | MU9 | 41696000 | 1984999 | M | 5 | 3627.228 | 0.001 | 0.002 | 0.000 |
| R | MECRP12 | 41630738 | 1935417 | R | 1 | 1062.486 | 0.087 | 0.092 | 0.000 |
| R | MECRP10 | 41630940 | 1935158 | R | 2 | 1034.854 | 0.002 | 0.126 | 0.000 |
| R | MECRP6 | 41631823 | 1933943 | R | 3 | 1811.221 | 0.002 | 0.149 | 0.000 |
| SA | MECSP11 | 41620913 | 1913022 | SA | 1 | 4870.557 | 0.000 | 0.001 | 0.000 |
| SA | MECSR10 | 41620702 | 1912897 | SA | 2 | 10075.901 | 0.000 | 0.038 | 0.000 |
| SA | MECSP9 | 41620672 | 1912892 | SA | 3 | 4424.981 | 0.001 | 0.001 | 0.000 |
| SA | MECSR8 | 41620255 | 1912333 | SA | 4 | 8894.981 | 0.000 | 0.037 | 0.000 |
| SA | MECSP7 | 41619988 | 1912018 | SA | 5 | 4379.376 | 0.001 | 0.004 | 0.000 |
| SA | MECSP5 | 41620465 | 1909950 | SA | 6 | 4198.548 | 0.001 | 0.001 | 0.000 |
| SA | MECSR4 | 41620477 | 1909908 | SA | 7 | 4628.551 | 0.001 | 0.004 | 0.000 |
| SA | MECSP3 | 41619435 | 1908955 | SA | 8 | 5310.938 | 0.000 | 0.000 | 0.000 |
| SA | MECSP2 | 41619562 | 1908800 | SA | 9 | 5397.759 | 0.000 | 0.000 | 0.000 |
| SA | MECSR1 | 41620058 | 1908955 | SA | 10 | 13818.415 | 0.000 | 0.056 | 0.000 |
| SC | MECSCP1 | 41695615 | 1892313 | SC | 1 | 29052.290 | 0.003 | 0.043 | 0.000 |
| SC | MECSCR2 | 41695703 | 1892218 | SC | 2 | 25639.160 | 0.000 | 0.048 | 0.000 |
| SC | MECSCP3 | 41695902 | 1892112 | SC | 3 | 25328.622 | 0.003 | 0.043 | 0.000 |
| SC | MECSCR4 | 41696380 | 1891908 | SC | 4 | 26797.834 | 0.014 | 0.052 | 0.000 |
| SC | MECSCR5 | 41696653 | 1891595 | SC | 5 | 29471.738 | 0.000 | 0.071 | 0.000 |
| SC | MECSCP6 | 41696293 | 1890620 | SC | 6 | 26367.170 | 0.000 | 0.062 | 0.000 |
| SC | MECSCR7 | 41696412 | 1889827 | SC | 7 | 27461.317 | 0.000 | 0.067 | 0.000 |
| SC | MECSCP10 | 41696925 | 1885465 | SC | 8 | 39567.081 | 0.000 | 0.070 | 0.000 |
| SC | MECSCR11 | 41697135 | 1884803 | SC | 9 | 36679.789 | 0.000 | 0.051 | 0.000 |
| SC | MECSCP12 | 41697392 | 1883818 | SC | 10 | 40976.703 | 0.000 | 0.047 | 0.000 |
| SC | MECSCP13 | 41698053 | 1883010 | SC | 11 | 44452.268 | 0.000 | 0.034 | 0.000 |
| T | MECTP8 | 41737200 | 1984032 | T | 1 | 10283.100 | 0.001 | 0.014 | 0.000 |
| T | MECTP9 | 41737260 | 1983757 | T | 2 | 8570.957 | 0.001 | 0.010 | 0.000 |
| T | MECTR7 | 41737260 | 1983756 | T | 3 | 11121.817 | 0.000 | 0.026 | 0.000 |
| T | MECTR10 | 41738010 | 1983185 | T | 4 | 10608.242 | 0.000 | 0.047 | 0.000 |
| T | MECTR6 | 41738338 | 1982688 | T | 5 | 7142.481 | 0.001 | 0.026 | 0.000 |
| T | MECTP5 | 41738338 | 1982689 | T | 6 | 7621.786 | 0.000 | 0.035 | 0.000 |
| T | MECTR4 | 41739000 | 1982445 | T | 7 | 8448.621 | 0.000 | 0.039 | 0.000 |
| T | MECTP3 | 41739375 | 1982355 | T | 8 | 8019.553 | 0.000 | 0.034 | 0.000 |
| T | MECTR2 | 41739627 | 1982025 | T | 9 | 11146.404 | 0.000 | 0.048 | 0.000 |
| T | MECTP14 | 41739728 | 1981542 | T | 10 | 7670.579 | 0.001 | 0.005 | 0.000 |
| T | MECTP12 | 41740022 | 1981257 | T | 11 | 8680.150 | 0.001 | 0.002 | 0.000 |
| T | MECTR11 | 41740147 | 1981228 | T | 12 | 9539.312 | 0.001 | 0.004 | 0.000 |
| VH | MECHP1 | 41676100 | 2016936 | VH | 1 | 13559.994 | 0.000 | 0.000 | 0.000 |
| VH | MECHP2 | 41676370 | 2018400 | VH | 2 | 23943.062 | 0.000 | 0.019 | 0.000 |
| VH | MECHR3 | 41676912 | 2020270 | VH | 3 | 50805.534 | 0.000 | 0.067 | 0.000 |
| VH | MECHR4 | 41678042 | 2023948 | VH | 4 | 19947.181 | 0.000 | 0.023 | 0.000 |
| VH | MECHR5 | 41678685 | 2027173 | VH | 5 | 12084.685 | 0.000 | 0.001 | 0.000 |
| VH | MECHR6 | 41677357 | 2029443 | VH | 6 | 13876.737 | 0.000 | 0.001 | 0.000 |
| VH | MECHP7 | 41677352 | 2029427 | VH | 7 | 13856.667 | 0.000 | 0.001 | 0.000 |
| VH | MECHR8 | 41676292 | 2031330 | VH | 8 | 16518.288 | 0.000 | 0.001 | 0.000 |
| VH | MECHP9 | 41675630 | 2031887 | VH | 9 | 17541.278 | 0.000 | 0.001 | 0.000 |
| VH | MECHP10 | 41673252 | 2034440 | VH | 10 | 23072.297 | 0.000 | 0.001 | 0.000 |

#STconmat  
#C  
Table\_result<- read.table("Table\_Results/\_C\_stream\_STconmat.txt", sep = ",")  
knitr::kable(Table\_result, caption = "C stream STconmat")%>%  
 kable\_styling(bootstrap\_options = "striped",full\_width = F, position="left")

## Warning in kable\_styling(., bootstrap\_options = "striped", full\_width = F, :  
## Please specify format in kable. kableExtra can customize either HTML or LaTeX  
## outputs. See https://haozhu233.github.io/kableExtra/ for details.

C stream STconmat

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Scenario | Riera | Codi\_HOBO | Latitud | Longitud | X1 | X2 | X3 | X4 | X5 | X6 | X7 | X8 | X9 | X10 | X11 | X12 | X13 | X14 | X15 |
| Scenario A1 | C | MECCR9 | 41653218 | 2072647 | 0.730 | 1.490 | 1.490 | 1.490 | 1.447 | 1.447 | 1.045 | 1.045 | 1.041 | 0.906 | 0.906 | 0.816 | 0.816 | 0.621 | 0.621 |
| Scenario A1 | C | MECCR8 | 41653537 | 2068792 | 0.000 | 0.992 | 1.986 | 1.986 | 1.545 | 1.545 | 1.049 | 1.049 | 1.045 | 0.906 | 0.906 | 0.816 | 0.816 | 0.621 | 0.621 |
| Scenario A1 | C | MECCP7 | 41653692 | 2069290 | 0.000 | 0.000 | 0.992 | 1.986 | 1.545 | 1.545 | 1.049 | 1.049 | 1.045 | 0.906 | 0.906 | 0.816 | 0.816 | 0.621 | 0.621 |
| Scenario A1 | C | MECCR6 | 41654248 | 2068320 | 0.000 | 0.000 | 0.000 | 0.748 | 1.545 | 1.545 | 1.049 | 1.049 | 1.045 | 0.906 | 0.906 | 0.816 | 0.816 | 0.621 | 0.621 |
| Scenario A1 | C | MECCP5 | 41654308 | 2068417 | 0.000 | 0.000 | 0.000 | 0.000 | 0.992 | 1.986 | 1.104 | 1.104 | 1.100 | 0.910 | 0.910 | 0.816 | 0.816 | 0.621 | 0.621 |
| Scenario A1 | C | CA7 | 41653000 | 2065000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.539 | 1.104 | 1.104 | 1.100 | 0.910 | 0.910 | 0.816 | 0.816 | 0.621 | 0.621 |
| Scenario A1 | C | CA6 | 41653000 | 2065001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.674 | 1.365 | 1.104 | 0.914 | 0.914 | 0.820 | 0.820 | 0.625 | 0.625 |
| Scenario A1 | C | CA5 | 41653000 | 2066000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.543 | 1.111 | 0.922 | 0.922 | 0.828 | 0.828 | 0.633 | 0.633 |
| Scenario A1 | C | CA12 | 41652000 | 2062000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.658 | 1.457 | 1.453 | 1.023 | 1.023 | 0.645 | 0.645 |
| Scenario A1 | C | CA11 | 41652000 | 2062001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.992 | 1.986 | 1.131 | 1.131 | 0.713 | 0.713 |
| Scenario A1 | C | CA4 | 41652000 | 2061000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.512 | 1.131 | 1.131 | 0.713 | 0.713 |
| Scenario A1 | C | CA15 | 41651000 | 2059998 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.992 | 1.986 | 0.717 | 0.717 |
| Scenario A1 | C | CA14 | 41651000 | 2060001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.322 | 0.717 | 0.717 |
| Scenario A1 | C | CA3 | 41651000 | 2060002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.992 | 1.986 |
| Scenario A1 | C | CA2 | 41651000 | 2060000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Scenario A2 | C | MECCR9 | 41653218 | 2072647 | 974.599 | 1551.048 | 1359.430 | 1783.504 | 1920.464 | 3363.357 | 6132.731 | 5332.150 | 8629.666 | 9928.533 | 10850.523 | 12937.302 | 12934.326 | 15190.022 | 15192.353 |
| Scenario A2 | C | MECCR8 | 41653537 | 2068792 | 0.000 | 2.037 | 105.637 | 172.848 | 514.248 | 2297.153 | 4006.078 | 2974.781 | 7310.564 | 8178.525 | 9328.915 | 11490.853 | 11487.234 | 13094.214 | 13096.965 |
| Scenario A2 | C | MECCP7 | 41653692 | 2069290 | 0.000 | 0.000 | 4.367 | 226.449 | 640.861 | 2606.423 | 4545.567 | 3517.611 | 7856.507 | 8789.374 | 9938.262 | 12145.525 | 12141.907 | 13840.551 | 13843.300 |
| Scenario A2 | C | MECCR6 | 41654248 | 2068320 | 0.000 | 0.000 | 0.000 | 25.618 | 43.239 | 1344.604 | 2927.429 | 2174.899 | 5561.529 | 6397.808 | 7304.450 | 9243.949 | 9241.058 | 10809.758 | 10812.014 |
| Scenario A2 | C | MECCP5 | 41654308 | 2068417 | 0.000 | 0.000 | 0.000 | 0.000 | 14.292 | 741.048 | 3647.141 | 2740.176 | 6823.435 | 7985.101 | 9096.825 | 11356.437 | 11352.931 | 12941.151 | 12943.815 |
| Scenario A2 | C | CA7 | 41653000 | 2065000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.445 | 0.556 | 555.664 | 1768.281 | 2306.782 | 3008.579 | 4385.372 | 4383.105 | 5328.634 | 5330.472 |
| Scenario A2 | C | CA6 | 41653000 | 2065001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 314.139 | 450.526 | 2171.629 | 2710.171 | 3534.462 | 5072.250 | 5069.628 | 6015.202 | 6017.276 |
| Scenario A2 | C | CA5 | 41653000 | 2066000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1819.965 | 2278.177 | 2980.497 | 3686.830 | 5108.116 | 5105.818 | 6216.457 | 6218.323 |
| Scenario A2 | C | CA12 | 41652000 | 2062000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.270 | 0.413 | 416.797 | 1798.153 | 1795.997 | 2557.202 | 2559.250 |
| Scenario A2 | C | CA11 | 41652000 | 2062001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 3.910 | 202.742 | 2177.099 | 2174.489 | 3014.428 | 3016.841 |
| Scenario A2 | C | CA4 | 41652000 | 2061000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 611.043 | 771.130 | 769.975 | 1301.045 | 1302.347 |
| Scenario A2 | C | CA15 | 41651000 | 2059998 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.012 | 0.608 | 5.380 | 2.690 |
| Scenario A2 | C | CA14 | 41651000 | 2060001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.639 | 0.710 | 0.710 |
| Scenario A2 | C | CA3 | 41651000 | 2060002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.008 | 0.405 |
| Scenario A2 | C | CA2 | 41651000 | 2060000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Scenario B1 | C | MECCR9 | 41653218 | 2072647 | 0.000 | 1.488 | 1.488 | 1.445 | 1.488 | 1.086 | 1.348 | 1.094 | 1.262 | 1.488 | 1.129 | 1.488 | 0.715 | 1.488 | 1.320 |
| Scenario B1 | C | MECCR8 | 41653537 | 2068792 | 0.000 | 0.000 | 1.984 | 1.543 | 1.984 | 1.102 | 1.363 | 1.109 | 1.453 | 1.984 | 1.129 | 1.984 | 0.715 | 1.984 | 1.695 |
| Scenario B1 | C | MECCP7 | 41653692 | 2069290 | 0.000 | 0.000 | 0.000 | 1.543 | 1.984 | 1.102 | 1.363 | 1.109 | 1.453 | 1.984 | 1.129 | 1.984 | 0.715 | 1.984 | 1.695 |
| Scenario B1 | C | MECCR6 | 41654248 | 2068320 | 0.000 | 0.000 | 0.000 | 0.000 | 1.543 | 1.047 | 1.309 | 1.055 | 1.309 | 1.543 | 1.129 | 1.543 | 0.711 | 1.543 | 1.395 |
| Scenario B1 | C | MECCP5 | 41654308 | 2068417 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.102 | 1.363 | 1.109 | 1.453 | 1.984 | 1.129 | 1.984 | 0.715 | 1.984 | 1.695 |
| Scenario B1 | C | CA7 | 41653000 | 2065000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.102 | 1.098 | 0.914 | 1.102 | 0.910 | 1.102 | 0.691 | 1.102 | 0.949 |
| Scenario B1 | C | CA6 | 41653000 | 2065001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.102 | 1.152 | 1.363 | 1.117 | 1.363 | 0.703 | 1.363 | 1.199 |
| Scenario B1 | C | CA5 | 41653000 | 2066000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.922 | 1.109 | 0.918 | 1.109 | 0.703 | 1.109 | 0.957 |
| Scenario B1 | C | CA12 | 41652000 | 2062000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.453 | 1.023 | 1.453 | 0.648 | 1.453 | 1.402 |
| Scenario B1 | C | CA11 | 41652000 | 2062001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.129 | 1.984 | 0.715 | 1.984 | 1.695 |
| Scenario B1 | C | CA4 | 41652000 | 2061000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.129 | 0.711 | 1.129 | 1.074 |
| Scenario B1 | C | CA15 | 41651000 | 2059998 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.715 | 1.984 | 1.695 |
| Scenario B1 | C | CA14 | 41651000 | 2060001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.715 | 0.699 |
| Scenario B1 | C | CA3 | 41651000 | 2060002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.695 |
| Scenario B1 | C | CA2 | 41651000 | 2060000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Scenario B2 | C | MECCR9 | 41653218 | 2072647 | 0.000 | 2524.891 | 2212.964 | 3075.307 | 2851.262 | 7763.663 | 5960.925 | 6702.531 | 9180.140 | 6994.342 | 11431.474 | 8382.409 | 17317.653 | 8379.837 | 10322.173 |
| Scenario B2 | C | MECCR8 | 41653537 | 2068792 | 0.000 | 0.000 | 107.573 | 515.045 | 176.830 | 3832.827 | 2929.963 | 2825.403 | 4765.808 | 1436.070 | 7752.896 | 1887.732 | 12341.449 | 1886.939 | 4267.952 |
| Scenario B2 | C | MECCP7 | 41653692 | 2069290 | 0.000 | 0.000 | 0.000 | 674.761 | 220.368 | 4348.848 | 3324.535 | 3340.976 | 5121.712 | 1543.329 | 8259.300 | 1995.282 | 13044.806 | 1994.490 | 4511.163 |
| Scenario B2 | C | MECCR6 | 41654248 | 2068320 | 0.000 | 0.000 | 0.000 | 0.000 | 68.835 | 3724.157 | 2887.953 | 2747.565 | 5463.269 | 4047.753 | 7474.947 | 5391.431 | 12077.214 | 5389.183 | 6583.501 |
| Scenario B2 | C | MECCP5 | 41654308 | 2068417 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 3661.650 | 2799.118 | 2731.051 | 4667.054 | 1406.315 | 7582.710 | 1865.650 | 12197.160 | 1864.882 | 4218.044 |
| Scenario B2 | C | CA7 | 41653000 | 2065000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.001 | 1992.188 | 3698.383 | 3163.799 | 4836.596 | 5391.230 | 7375.983 | 5387.514 | 6127.729 |
| Scenario B2 | C | CA6 | 41653000 | 2065001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 999.780 | 3021.128 | 2419.884 | 4069.303 | 4123.045 | 7320.458 | 4120.203 | 4916.914 |
| Scenario B2 | C | CA5 | 41653000 | 2066000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 4793.110 | 4096.372 | 5945.536 | 6286.912 | 8596.153 | 6283.141 | 7152.183 |
| Scenario B2 | C | CA12 | 41652000 | 2062000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.684 | 1071.094 | 1531.533 | 3148.452 | 1529.085 | 1632.504 |
| Scenario B2 | C | CA11 | 41652000 | 2062001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1899.163 | 461.743 | 3016.071 | 461.005 | 1043.333 |
| Scenario B2 | C | CA4 | 41652000 | 2061000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1381.897 | 1911.547 | 1379.136 | 1450.121 |
| Scenario B2 | C | CA15 | 41651000 | 2059998 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 5.934 | 6.984 | 0.933 |
| Scenario B2 | C | CA14 | 41651000 | 2060001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.349 | 1.363 |
| Scenario B2 | C | CA3 | 41651000 | 2060002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 2.191 |
| Scenario B2 | C | CA2 | 41651000 | 2060000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

#M  
Table\_result<- read.table("Table\_Results/\_M\_stream\_STconmat.txt", sep = ",")  
knitr::kable(Table\_result, caption = "M stream STconmat ")%>%  
 kable\_styling(bootstrap\_options = "striped",full\_width = F, position="left")

## Warning in kable\_styling(., bootstrap\_options = "striped", full\_width = F, :  
## Please specify format in kable. kableExtra can customize either HTML or LaTeX  
## outputs. See https://haozhu233.github.io/kableExtra/ for details.

M stream STconmat

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Scenario | Riera | Codi\_HOBO | Latitud | Longitud | X1 | X2 | X3 | X4 | X5 |
| Scenario A1 | M | MECMP2 | 41694288 | 1988722 | 0.402 | 0.850 | 0.617 | 0.617 | 0.617 |
| Scenario A1 | M | MECMR3 | 41694558 | 1987920 | 0.000 | 0.748 | 1.570 | 1.562 | 1.562 |
| Scenario A1 | M | MU4 | 41695000 | 1986001 | 0.000 | 0.000 | 0.992 | 1.986 | 1.986 |
| Scenario A1 | M | MU8 | 41696000 | 1985002 | 0.000 | 0.000 | 0.000 | 0.998 | 1.994 |
| Scenario A1 | M | MU9 | 41696000 | 1984999 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Scenario A2 | M | MECMP2 | 41694288 | 1988722 | 484.268 | 556.164 | 2436.864 | 3548.361 | 3550.722 |
| Scenario A2 | M | MECMR3 | 41694558 | 1987920 | 0.000 | 419.234 | 724.621 | 1220.739 | 1221.748 |
| Scenario A2 | M | MU4 | 41695000 | 1986001 | 0.000 | 0.000 | 5.523 | 286.362 | 286.792 |
| Scenario A2 | M | MU8 | 41696000 | 1985002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.598 |
| Scenario A2 | M | MU9 | 41696000 | 1984999 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Scenario B1 | M | MECMP2 | 41694288 | 1988722 | 0.000 | 0.617 | 0.848 | 0.848 | 0.848 |
| Scenario B1 | M | MECMR3 | 41694558 | 1987920 | 0.000 | 0.000 | 1.562 | 1.570 | 1.562 |
| Scenario B1 | M | MU4 | 41695000 | 1986001 | 0.000 | 0.000 | 0.000 | 1.984 | 1.984 |
| Scenario B1 | M | MU8 | 41696000 | 1985002 | 0.000 | 0.000 | 0.000 | 0.000 | 1.984 |
| Scenario B1 | M | MU9 | 41696000 | 1984999 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Scenario B2 | M | MECMP2 | 41694288 | 1988722 | 0.000 | 1215.793 | 3457.535 | 5034.577 | 5037.927 |
| Scenario B2 | M | MECMR3 | 41694558 | 1987920 | 0.000 | 0.000 | 1153.854 | 1884.516 | 1908.981 |
| Scenario B2 | M | MU4 | 41695000 | 1986001 | 0.000 | 0.000 | 0.000 | 291.609 | 292.046 |
| Scenario B2 | M | MU8 | 41696000 | 1985002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.619 |
| Scenario B2 | M | MU9 | 41696000 | 1984999 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

#R  
Table\_result<- read.table("Table\_Results/\_R\_stream\_STconmat.txt", sep = ",")  
knitr::kable(Table\_result, caption = "R stream STconmat")%>%  
 kable\_styling(bootstrap\_options = "striped",full\_width = F, position="left")

## Warning in kable\_styling(., bootstrap\_options = "striped", full\_width = F, :  
## Please specify format in kable. kableExtra can customize either HTML or LaTeX  
## outputs. See https://haozhu233.github.io/kableExtra/ for details.

R stream STconmat

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Scenario | Riera | Codi\_HOBO | Latitud | Longitud | X1 | X2 | X3 |
| Scenario A1 | R | MECRP12 | 41630738 | 1935417 | 0.975 | 1.965 | 1.250 |
| Scenario A1 | R | MECRP10 | 41630940 | 1935158 | 0.000 | 0.572 | 1.250 |
| Scenario A1 | R | MECRP6 | 41631823 | 1933943 | 0.000 | 0.000 | 0.000 |
| Scenario A2 | R | MECRP12 | 41630738 | 1935417 | 5.132 | 69.028 | 1562.167 |
| Scenario A2 | R | MECRP10 | 41630940 | 1935158 | 0.000 | 560.305 | 745.118 |
| Scenario A2 | R | MECRP6 | 41631823 | 1933943 | 0.000 | 0.000 | 0.000 |
| Scenario B1 | R | MECRP12 | 41630738 | 1935417 | 0.000 | 1.250 | 1.102 |
| Scenario B1 | R | MECRP10 | 41630940 | 1935158 | 0.000 | 0.000 | 0.898 |
| Scenario B1 | R | MECRP6 | 41631823 | 1933943 | 0.000 | 0.000 | 0.000 |
| Scenario B2 | R | MECRP12 | 41630738 | 1935417 | 0.000 | 284.835 | 1831.703 |
| Scenario B2 | R | MECRP10 | 41630940 | 1935158 | 0.000 | 0.000 | 1777.722 |
| Scenario B2 | R | MECRP6 | 41631823 | 1933943 | 0.000 | 0.000 | 0.000 |

#SA  
Table\_result<- read.table("Table\_Results/\_SA\_stream\_STconmat.txt", sep = ",")  
knitr::kable(Table\_result, caption = "SA stream STconmat")%>%  
 kable\_styling(bootstrap\_options = "striped",full\_width = F, position="left")

## Warning in kable\_styling(., bootstrap\_options = "striped", full\_width = F, :  
## Please specify format in kable. kableExtra can customize either HTML or LaTeX  
## outputs. See https://haozhu233.github.io/kableExtra/ for details.

SA stream STconmat

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Scenario | Riera | Codi\_HOBO | Latitud | Longitud | X1 | X2 | X3 | X4 | X5 | X6 | X7 | X8 | X9 | X10 |
| Scenario A1 | SA | MECSP11 | 41620913 | 1913022 | 0.992 | 1.986 | 1.242 | 1.242 | 0.965 | 0.953 | 0.953 | 0.926 | 0.926 | 0.926 |
| Scenario A1 | SA | MECSR10 | 41620702 | 1912897 | 0.000 | 0.588 | 1.242 | 1.242 | 0.965 | 0.953 | 0.953 | 0.926 | 0.926 | 0.926 |
| Scenario A1 | SA | MECSP9 | 41620672 | 1912892 | 0.000 | 0.000 | 0.996 | 1.992 | 1.258 | 1.246 | 1.238 | 1.191 | 1.191 | 1.191 |
| Scenario A1 | SA | MECSR8 | 41620255 | 1912333 | 0.000 | 0.000 | 0.000 | 0.562 | 1.258 | 1.246 | 1.238 | 1.191 | 1.191 | 1.191 |
| Scenario A1 | SA | MECSP7 | 41619988 | 1912018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.955 | 1.934 | 1.926 | 1.859 | 1.859 | 1.859 |
| Scenario A1 | SA | MECSP5 | 41620465 | 1909950 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.992 | 1.986 | 1.918 | 1.918 | 1.918 |
| Scenario A1 | SA | MECSR4 | 41620477 | 1909908 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.941 | 1.926 | 1.926 | 1.926 |
| Scenario A1 | SA | MECSP3 | 41619435 | 1908955 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.998 | 1.994 | 1.994 |
| Scenario A1 | SA | MECSP2 | 41619562 | 1908800 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.998 | 1.994 |
| Scenario A1 | SA | MECSR1 | 41620058 | 1908955 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Scenario A2 | SA | MECSP11 | 41620913 | 1913022 | 0.958 | 49.672 | 238.850 | 831.029 | 1531.530 | 3515.598 | 3560.759 | 5006.747 | 5128.989 | 4808.507 |
| Scenario A2 | SA | MECSR10 | 41620702 | 1912897 | 0.000 | 11.465 | 15.183 | 359.266 | 848.008 | 2245.103 | 2276.194 | 3246.174 | 3334.009 | 3131.436 |
| Scenario A2 | SA | MECSP9 | 41620672 | 1912892 | 0.000 | 0.000 | 1.362 | 138.936 | 954.631 | 2567.941 | 2624.746 | 3796.296 | 3900.356 | 3665.512 |
| Scenario A2 | SA | MECSR8 | 41620255 | 1912333 | 0.000 | 0.000 | 0.000 | 152.430 | 203.563 | 1204.528 | 1243.253 | 1921.361 | 1990.023 | 1870.309 |
| Scenario A2 | SA | MECSP7 | 41619988 | 1912018 | 0.000 | 0.000 | 0.000 | 0.000 | 66.322 | 472.543 | 497.485 | 900.929 | 939.586 | 886.826 |
| Scenario A2 | SA | MECSP5 | 41620465 | 1909950 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.171 | 8.847 | 378.165 | 386.101 | 283.873 |
| Scenario A2 | SA | MECSR4 | 41620477 | 1909908 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 49.643 | 318.821 | 324.441 | 235.048 |
| Scenario A2 | SA | MECSP3 | 41619435 | 1908955 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 39.960 | 124.235 |
| Scenario A2 | SA | MECSP2 | 41619562 | 1908800 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 103.626 |
| Scenario A2 | SA | MECSR1 | 41620058 | 1908955 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Scenario B1 | SA | MECSP11 | 41620913 | 1913022 | 0.000 | 1.242 | 1.984 | 1.250 | 1.926 | 1.984 | 1.918 | 1.984 | 1.984 | 0.887 |
| Scenario B1 | SA | MECSR10 | 41620702 | 1912897 | 0.000 | 0.000 | 1.242 | 0.965 | 1.184 | 1.242 | 1.211 | 1.242 | 1.242 | 0.727 |
| Scenario B1 | SA | MECSP9 | 41620672 | 1912892 | 0.000 | 0.000 | 0.000 | 1.258 | 1.934 | 1.984 | 1.926 | 1.992 | 1.992 | 0.887 |
| Scenario B1 | SA | MECSR8 | 41620255 | 1912333 | 0.000 | 0.000 | 0.000 | 0.000 | 1.246 | 1.250 | 1.211 | 1.258 | 1.258 | 0.648 |
| Scenario B1 | SA | MECSP7 | 41619988 | 1912018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.926 | 1.867 | 1.934 | 1.934 | 0.828 |
| Scenario B1 | SA | MECSP5 | 41620465 | 1909950 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.918 | 1.984 | 1.984 | 0.887 |
| Scenario B1 | SA | MECSR4 | 41620477 | 1909908 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.926 | 1.926 | 0.879 |
| Scenario B1 | SA | MECSP3 | 41619435 | 1908955 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.992 | 0.887 |
| Scenario B1 | SA | MECSP2 | 41619562 | 1908800 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.887 |
| Scenario B1 | SA | MECSR1 | 41620058 | 1908955 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Scenario B2 | SA | MECSP11 | 41620913 | 1913022 | 0.000 | 214.399 | 56.477 | 826.191 | 353.553 | 640.302 | 836.453 | 892.492 | 914.283 | 4962.730 |
| Scenario B2 | SA | MECSR10 | 41620702 | 1912897 | 0.000 | 0.000 | 26.588 | 808.770 | 1049.726 | 2584.640 | 2704.736 | 3619.799 | 3717.744 | 5345.441 |
| Scenario B2 | SA | MECSP9 | 41620672 | 1912892 | 0.000 | 0.000 | 0.000 | 599.875 | 279.626 | 608.288 | 774.458 | 822.128 | 844.663 | 4758.162 |
| Scenario B2 | SA | MECSR8 | 41620255 | 1912333 | 0.000 | 0.000 | 0.000 | 0.000 | 359.542 | 2074.516 | 2197.334 | 2989.991 | 3096.842 | 4766.314 |
| Scenario B2 | SA | MECSP7 | 41619988 | 1912018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 549.642 | 675.159 | 784.209 | 817.859 | 3820.175 |
| Scenario B2 | SA | MECSP5 | 41620465 | 1909950 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 11.620 | 295.372 | 301.570 | 1283.728 |
| Scenario B2 | SA | MECSR4 | 41620477 | 1909908 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 365.707 | 372.153 | 1250.471 |
| Scenario B2 | SA | MECSP3 | 41619435 | 1908955 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 39.920 | 743.950 |
| Scenario B2 | SA | MECSP2 | 41619562 | 1908800 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 620.541 |
| Scenario B2 | SA | MECSR1 | 41620058 | 1908955 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

#SC  
Table\_result<- read.table("Table\_Results/\_SC\_stream\_STconmat.txt", sep = ",")  
knitr::kable(Table\_result, caption = "SC stream STconmat")%>%  
 kable\_styling(bootstrap\_options = "striped",full\_width = F, position="left")

## Warning in kable\_styling(., bootstrap\_options = "striped", full\_width = F, :  
## Please specify format in kable. kableExtra can customize either HTML or LaTeX  
## outputs. See https://haozhu233.github.io/kableExtra/ for details.

SC stream STconmat

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Scenario | Riera | Codi\_HOBO | Latitud | Longitud | X1 | X2 | X3 | X4 | X5 | X6 | X7 | X8 | X9 | X10 | X11 |
| Scenario A1 | SC | MECSCP1 | 41695615 | 1892313 | 0.545 | 1.129 | 0.645 | 0.582 | 0.395 | 0.293 | 0.176 | 0.172 | 0.156 | 0.156 | 0.156 |
| Scenario A1 | SC | MECSCR2 | 41695703 | 1892218 | 0.000 | 0.443 | 0.934 | 0.855 | 0.547 | 0.344 | 0.219 | 0.211 | 0.164 | 0.164 | 0.164 |
| Scenario A1 | SC | MECSCP3 | 41695902 | 1892112 | 0.000 | 0.000 | 0.547 | 1.117 | 0.547 | 0.344 | 0.219 | 0.211 | 0.164 | 0.164 | 0.164 |
| Scenario A1 | SC | MECSCR4 | 41696380 | 1891908 | 0.000 | 0.000 | 0.000 | 0.525 | 1.168 | 0.344 | 0.219 | 0.211 | 0.164 | 0.164 | 0.164 |
| Scenario A1 | SC | MECSCR5 | 41696653 | 1891595 | 0.000 | 0.000 | 0.000 | 0.000 | 0.193 | 0.445 | 0.250 | 0.234 | 0.188 | 0.188 | 0.188 |
| Scenario A1 | SC | MECSCP6 | 41696293 | 1890620 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.244 | 0.633 | 0.359 | 0.254 | 0.254 | 0.254 |
| Scenario A1 | SC | MECSCR7 | 41696412 | 1889827 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.520 | 0.363 | 0.363 | 0.363 |
| Scenario A1 | SC | MECSCP10 | 41696925 | 1885465 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.176 | 0.457 | 0.457 | 0.457 |
| Scenario A1 | SC | MECSCR11 | 41697135 | 1884803 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.404 | 0.887 | 0.840 |
| Scenario A1 | SC | MECSCP12 | 41697392 | 1883818 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.455 | 0.957 |
| Scenario A1 | SC | MECSCP13 | 41698053 | 1883010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Scenario A2 | SC | MECSCP1 | 41695615 | 1892313 | 56.148 | 70.514 | 343.542 | 897.376 | 1521.456 | 2365.129 | 3661.005 | 9801.896 | 10879.836 | 12323.315 | 13655.607 |
| Scenario A2 | SC | MECSCR2 | 41695703 | 1892218 | 0.000 | 119.781 | 140.391 | 515.984 | 1102.776 | 1964.943 | 3157.323 | 8736.506 | 9932.663 | 11269.089 | 12498.863 |
| Scenario A2 | SC | MECSCP3 | 41695902 | 1892112 | 0.000 | 0.000 | 228.389 | 285.435 | 968.736 | 1920.749 | 3178.942 | 9178.931 | 10429.298 | 11856.736 | 13159.557 |
| Scenario A2 | SC | MECSCR4 | 41696380 | 1891908 | 0.000 | 0.000 | 0.000 | 171.972 | 219.670 | 1640.395 | 2878.786 | 8989.268 | 10234.657 | 11678.609 | 12969.022 |
| Scenario A2 | SC | MECSCR5 | 41696653 | 1891595 | 0.000 | 0.000 | 0.000 | 0.000 | 805.894 | 850.147 | 1773.198 | 6183.969 | 7149.535 | 8202.634 | 9133.324 |
| Scenario A2 | SC | MECSCP6 | 41696293 | 1890620 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 546.593 | 595.771 | 5136.792 | 6371.252 | 7468.881 | 8466.862 |
| Scenario A2 | SC | MECSCR7 | 41696412 | 1889827 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 3242.577 | 3462.181 | 4714.902 | 5655.543 | 6513.241 |
| Scenario A2 | SC | MECSCP10 | 41696925 | 1885465 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 534.447 | 564.832 | 1392.279 | 2197.276 |
| Scenario A2 | SC | MECSCR11 | 41697135 | 1884803 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 564.658 | 652.936 | 1376.991 |
| Scenario A2 | SC | MECSCP12 | 41697392 | 1883818 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 542.353 | 640.221 |
| Scenario A2 | SC | MECSCP13 | 41698053 | 1883010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Scenario B1 | SC | MECSCP1 | 41695615 | 1892313 | 0.000 | 0.645 | 0.816 | 0.605 | 0.355 | 0.328 | 0.438 | 0.328 | 0.609 | 0.637 | 0.887 |
| Scenario B1 | SC | MECSCR2 | 41695703 | 1892218 | 0.000 | 0.000 | 0.855 | 0.609 | 0.418 | 0.531 | 0.477 | 0.457 | 0.812 | 0.922 | 0.934 |
| Scenario B1 | SC | MECSCP3 | 41695902 | 1892112 | 0.000 | 0.000 | 0.000 | 0.547 | 0.445 | 0.520 | 0.473 | 0.457 | 0.785 | 0.871 | 0.883 |
| Scenario B1 | SC | MECSCR4 | 41696380 | 1891908 | 0.000 | 0.000 | 0.000 | 0.000 | 0.344 | 0.488 | 0.457 | 0.340 | 0.594 | 0.613 | 0.828 |
| Scenario B1 | SC | MECSCR5 | 41696653 | 1891595 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.250 | 0.371 | 0.297 | 0.410 | 0.445 | 0.445 |
| Scenario B1 | SC | MECSCP6 | 41696293 | 1890620 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.359 | 0.340 | 0.531 | 0.535 | 0.602 |
| Scenario B1 | SC | MECSCR7 | 41696412 | 1889827 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.363 | 0.480 | 0.473 | 0.520 |
| Scenario B1 | SC | MECSCP10 | 41696925 | 1885465 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.457 | 0.457 | 0.457 |
| Scenario B1 | SC | MECSCR11 | 41697135 | 1884803 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.840 | 0.887 |
| Scenario B1 | SC | MECSCP12 | 41697392 | 1883818 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.957 |
| Scenario B1 | SC | MECSCP13 | 41698053 | 1883010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Scenario B2 | SC | MECSCP1 | 41695615 | 1892313 | 0.000 | 182.861 | 440.582 | 1252.742 | 2110.614 | 3094.615 | 4172.934 | 11830.907 | 11062.413 | 12316.535 | 11484.234 |
| Scenario B2 | SC | MECSCR2 | 41695703 | 1892218 | 0.000 | 0.000 | 275.585 | 1075.016 | 1835.888 | 2579.113 | 3898.675 | 10848.922 | 9522.612 | 9960.442 | 10947.178 |
| Scenario B2 | SC | MECSCP3 | 41695902 | 1892112 | 0.000 | 0.000 | 0.000 | 779.567 | 1450.966 | 2351.531 | 3668.221 | 10631.692 | 9528.823 | 10181.256 | 11201.333 |
| Scenario B2 | SC | MECSCR4 | 41696380 | 1891908 | 0.000 | 0.000 | 0.000 | 0.000 | 698.920 | 2004.479 | 3290.157 | 10903.813 | 10416.073 | 11742.305 | 11289.097 |
| Scenario B2 | SC | MECSCR5 | 41696653 | 1891595 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1836.706 | 2958.815 | 10584.655 | 11051.458 | 12432.117 | 13842.694 |
| Scenario B2 | SC | MECSCP6 | 41696293 | 1890620 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1338.136 | 8758.109 | 8899.089 | 10407.986 | 11331.865 |
| Scenario B2 | SC | MECSCR7 | 41696412 | 1889827 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 7313.813 | 7916.991 | 9539.269 | 10690.151 |
| Scenario B2 | SC | MECSCP10 | 41696925 | 1885465 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1097.922 | 2706.318 | 4271.074 |
| Scenario B2 | SC | MECSCR11 | 41697135 | 1884803 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1258.552 | 2405.407 |
| Scenario B2 | SC | MECSCP12 | 41697392 | 1883818 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1180.535 |
| Scenario B2 | SC | MECSCP13 | 41698053 | 1883010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

#T  
Table\_result<- read.table("Table\_Results/\_T\_stream\_STconmat.txt", sep = ",")  
knitr::kable(Table\_result, caption = "T stream STconmat")%>%  
 kable\_styling(bootstrap\_options = "striped",full\_width = F, position="left")

## Warning in kable\_styling(., bootstrap\_options = "striped", full\_width = F, :  
## Please specify format in kable. kableExtra can customize either HTML or LaTeX  
## outputs. See https://haozhu233.github.io/kableExtra/ for details.

T stream STconmat

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Scenario | Riera | Codi\_HOBO | Latitud | Longitud | X1 | X2 | X3 | X4 | X5 | X6 | X7 | X8 | X9 | X10 | X11 | X12 |
| Scenario A1 | TRUE | MECTP8 | 41737200 | 1984032 | 0.822 | 1.676 | 1.617 | 1.348 | 0.832 | 0.785 | 0.785 | 0.766 | 0.766 | 0.617 | 0.613 | 0.613 |
| Scenario A1 | TRUE | MECTP9 | 41737260 | 1983757 | 0.000 | 0.865 | 1.773 | 1.348 | 0.832 | 0.785 | 0.785 | 0.766 | 0.766 | 0.617 | 0.613 | 0.613 |
| Scenario A1 | TRUE | MECTR7 | 41737260 | 1983756 | 0.000 | 0.000 | 0.674 | 1.375 | 0.832 | 0.785 | 0.785 | 0.766 | 0.766 | 0.617 | 0.613 | 0.613 |
| Scenario A1 | TRUE | MECTR10 | 41738010 | 1983185 | 0.000 | 0.000 | 0.000 | 0.375 | 0.879 | 0.828 | 0.824 | 0.805 | 0.805 | 0.617 | 0.613 | 0.613 |
| Scenario A1 | TRUE | MECTR6 | 41738338 | 1982688 | 0.000 | 0.000 | 0.000 | 0.000 | 0.631 | 1.395 | 0.953 | 0.832 | 0.828 | 0.629 | 0.625 | 0.625 |
| Scenario A1 | TRUE | MECTP5 | 41738338 | 1982689 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.521 | 1.176 | 0.867 | 0.863 | 0.656 | 0.652 | 0.652 |
| Scenario A1 | TRUE | MECTR4 | 41739000 | 1982445 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.445 | 1.066 | 0.879 | 0.656 | 0.652 | 0.652 |
| Scenario A1 | TRUE | MECTP3 | 41739375 | 1982355 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.535 | 1.195 | 0.742 | 0.734 | 0.734 |
| Scenario A1 | TRUE | MECTR2 | 41739627 | 1982025 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.375 | 0.852 | 0.824 | 0.824 |
| Scenario A1 | TRUE | MECTP14 | 41739728 | 1981542 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.932 | 1.895 | 1.887 |
| Scenario A1 | TRUE | MECTP12 | 41740022 | 1981257 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.992 | 1.986 |
| Scenario A1 | TRUE | MECTR11 | 41740147 | 1981228 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Scenario A2 | TRUE | MECTP8 | 41737200 | 1984032 | 45.079 | 91.697 | 106.910 | 727.902 | 1911.040 | 1984.475 | 2705.289 | 3144.464 | 3605.755 | 4536.638 | 5074.044 | 5215.083 |
| Scenario A2 | TRUE | MECTP9 | 41737260 | 1983757 | 0.000 | 0.111 | 0.287 | 631.891 | 1721.583 | 1784.803 | 2563.122 | 3029.122 | 3501.274 | 4401.751 | 4957.990 | 5107.902 |
| Scenario A2 | TRUE | MECTR7 | 41737260 | 1983756 | 0.000 | 0.000 | 292.729 | 420.499 | 1418.477 | 1481.807 | 2128.395 | 2523.059 | 2916.377 | 3740.346 | 4215.061 | 4342.545 |
| Scenario A2 | TRUE | MECTR10 | 41738010 | 1983185 | 0.000 | 0.000 | 0.000 | 332.630 | 383.804 | 410.443 | 857.476 | 1136.373 | 1415.577 | 2092.102 | 2462.252 | 2560.382 |
| Scenario A2 | TRUE | MECTR6 | 41738338 | 1982688 | 0.000 | 0.000 | 0.000 | 0.000 | 0.301 | 0.438 | 589.219 | 1028.741 | 1374.207 | 2030.914 | 2499.076 | 2628.873 |
| Scenario A2 | TRUE | MECTP5 | 41738338 | 1982689 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 289.380 | 370.957 | 875.399 | 1170.172 | 1790.173 | 2203.630 | 2318.030 |
| Scenario A2 | TRUE | MECTR4 | 41739000 | 1982445 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 179.266 | 219.639 | 557.160 | 1088.776 | 1476.510 | 1575.651 |
| Scenario A2 | TRUE | MECTP3 | 41739375 | 1982355 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 166.248 | 215.069 | 820.546 | 1188.819 | 1274.275 |
| Scenario A2 | TRUE | MECTR2 | 41739627 | 1982025 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 282.383 | 323.439 | 587.333 | 647.186 |
| Scenario A2 | TRUE | MECTP14 | 41739728 | 1981542 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 20.793 | 97.568 | 128.446 |
| Scenario A2 | TRUE | MECTP12 | 41740022 | 1981257 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.501 | 25.990 |
| Scenario A2 | TRUE | MECTR11 | 41740147 | 1981228 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Scenario B1 | TRUE | MECTP8 | 41737200 | 1984032 | 0.000 | 1.617 | 1.359 | 0.855 | 1.152 | 1.152 | 0.969 | 1.168 | 0.852 | 1.578 | 1.676 | 1.605 |
| Scenario B1 | TRUE | MECTP9 | 41737260 | 1983757 | 0.000 | 0.000 | 1.348 | 0.879 | 1.262 | 1.176 | 1.055 | 1.195 | 0.852 | 1.676 | 1.770 | 1.703 |
| Scenario B1 | TRUE | MECTR7 | 41737260 | 1983756 | 0.000 | 0.000 | 0.000 | 0.832 | 0.930 | 1.094 | 0.852 | 1.098 | 0.852 | 1.293 | 1.375 | 1.312 |
| Scenario B1 | TRUE | MECTR10 | 41738010 | 1983185 | 0.000 | 0.000 | 0.000 | 0.000 | 0.828 | 0.875 | 0.844 | 0.875 | 0.648 | 0.875 | 0.879 | 0.875 |
| Scenario B1 | TRUE | MECTR6 | 41738338 | 1982688 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.953 | 1.016 | 0.965 | 0.664 | 1.391 | 1.387 | 1.371 |
| Scenario B1 | TRUE | MECTP5 | 41738338 | 1982689 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.867 | 1.125 | 0.770 | 1.141 | 1.176 | 1.148 |
| Scenario B1 | TRUE | MECTR4 | 41739000 | 1982445 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.879 | 0.672 | 1.062 | 1.066 | 1.059 |
| Scenario B1 | TRUE | MECTP3 | 41739375 | 1982355 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.742 | 1.152 | 1.195 | 1.176 |
| Scenario B1 | TRUE | MECTR2 | 41739627 | 1982025 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.824 | 0.852 | 0.820 |
| Scenario B1 | TRUE | MECTP14 | 41739728 | 1981542 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.887 | 1.875 |
| Scenario B1 | TRUE | MECTP12 | 41740022 | 1981257 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.914 |
| Scenario B1 | TRUE | MECTR11 | 41740147 | 1981228 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Scenario B2 | TRUE | MECTP8 | 41737200 | 1984032 | 0.000 | 151.070 | 217.131 | 1432.456 | 1681.963 | 1681.234 | 2688.416 | 2584.447 | 3860.409 | 2029.220 | 1915.521 | 2226.182 |
| Scenario B2 | TRUE | MECTP9 | 41737260 | 1983757 | 0.000 | 0.000 | 0.779 | 1132.982 | 1300.527 | 1417.291 | 2272.845 | 2325.367 | 3595.221 | 1604.994 | 1488.707 | 1763.103 |
| Scenario B2 | TRUE | MECTR7 | 41737260 | 1983756 | 0.000 | 0.000 | 0.000 | 1172.021 | 1753.386 | 1528.614 | 2670.494 | 2547.833 | 3594.498 | 2746.979 | 2811.010 | 3111.883 |
| Scenario B2 | TRUE | MECTR10 | 41738010 | 1983185 | 0.000 | 0.000 | 0.000 | 0.000 | 742.486 | 716.359 | 1523.758 | 1924.533 | 2803.168 | 2863.756 | 3347.226 | 3490.813 |
| Scenario B2 | TRUE | MECTR6 | 41738338 | 1982688 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.134 | 760.283 | 1224.023 | 2021.392 | 1334.239 | 1644.469 | 1762.570 |
| Scenario B2 | TRUE | MECTP5 | 41738338 | 1982689 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 854.910 | 1067.331 | 1884.396 | 1740.192 | 2064.608 | 2229.014 |
| Scenario B2 | TRUE | MECTR4 | 41739000 | 1982445 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 463.230 | 1047.107 | 1201.595 | 1617.917 | 1738.312 |
| Scenario B2 | TRUE | MECTP3 | 41739375 | 1982355 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 549.836 | 846.513 | 1167.910 | 1275.876 |
| Scenario B2 | TRUE | MECTR2 | 41739627 | 1982025 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 617.002 | 1058.616 | 1193.261 |
| Scenario B2 | TRUE | MECTP14 | 41739728 | 1981542 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 120.440 | 159.534 |
| Scenario B2 | TRUE | MECTP12 | 41740022 | 1981257 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 34.586 |
| Scenario B2 | TRUE | MECTR11 | 41740147 | 1981228 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

#VH  
Table\_result<- read.table("Table\_Results/\_VH\_stream\_STconmat.txt", sep = ",")  
knitr::kable(Table\_result, caption = "VH stream STconmat")%>%  
 kable\_styling(bootstrap\_options = "striped",full\_width = F, position="left")

## Warning in kable\_styling(., bootstrap\_options = "striped", full\_width = F, :  
## Please specify format in kable. kableExtra can customize either HTML or LaTeX  
## outputs. See https://haozhu233.github.io/kableExtra/ for details.

VH stream STconmat

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Scenario | Riera | Codi\_HOBO | Latitud | Longitud | X1 | X2 | X3 | X4 | X5 | X6 | X7 | X8 | X9 | X10 |
| Scenario A1 | VH | MECHP1 | 41676100 | 2016936 | 0.992 | 1.986 | 1.619 | 0.654 | 0.576 | 0.576 | 0.576 | 0.576 | 0.576 | 0.576 |
| Scenario A1 | VH | MECHP2 | 41676370 | 2018400 | 0.000 | 0.797 | 1.619 | 0.654 | 0.576 | 0.576 | 0.576 | 0.576 | 0.576 | 0.576 |
| Scenario A1 | VH | MECHR3 | 41676912 | 2020270 | 0.000 | 0.000 | 0.293 | 0.654 | 0.576 | 0.576 | 0.576 | 0.576 | 0.576 | 0.576 |
| Scenario A1 | VH | MECHR4 | 41678042 | 2023948 | 0.000 | 0.000 | 0.000 | 0.770 | 1.545 | 1.545 | 1.545 | 1.545 | 1.545 | 1.545 |
| Scenario A1 | VH | MECHR5 | 41678685 | 2027173 | 0.000 | 0.000 | 0.000 | 0.000 | 0.992 | 1.986 | 1.986 | 1.986 | 1.986 | 1.986 |
| Scenario A1 | VH | MECHR6 | 41677357 | 2029443 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.992 | 1.986 | 1.986 | 1.986 | 1.986 |
| Scenario A1 | VH | MECHP7 | 41677352 | 2029427 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.992 | 1.986 | 1.986 | 1.986 |
| Scenario A1 | VH | MECHR8 | 41676292 | 2031330 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.992 | 1.986 | 1.986 |
| Scenario A1 | VH | MECHP9 | 41675630 | 2031887 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.994 | 1.990 |
| Scenario A1 | VH | MECHP10 | 41673252 | 2034440 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Scenario A2 | VH | MECHP1 | 41676100 | 2016936 | 5.815 | 301.518 | 1828.994 | 10196.283 | 15538.484 | 18499.025 | 18474.861 | 21185.242 | 22013.952 | 26099.032 |
| Scenario A2 | VH | MECHP2 | 41676370 | 2018400 | 0.000 | 365.056 | 680.296 | 7056.352 | 11687.189 | 14281.035 | 14259.935 | 16655.254 | 17398.545 | 21047.637 |
| Scenario A2 | VH | MECHR3 | 41676912 | 2020270 | 0.000 | 0.000 | 2577.640 | 2829.392 | 5742.013 | 7399.048 | 7385.978 | 8924.634 | 9416.218 | 11790.929 |
| Scenario A2 | VH | MECHR4 | 41678042 | 2023948 | 0.000 | 0.000 | 0.000 | 738.623 | 1246.666 | 2099.287 | 2093.504 | 2876.090 | 3145.526 | 4372.443 |
| Scenario A2 | VH | MECHR5 | 41678685 | 2027173 | 0.000 | 0.000 | 0.000 | 0.000 | 10.273 | 532.662 | 530.382 | 971.493 | 1137.736 | 1837.720 |
| Scenario A2 | VH | MECHR6 | 41677357 | 2029443 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.065 | 3.395 | 438.860 | 606.119 | 1309.804 |
| Scenario A2 | VH | MECHP7 | 41677352 | 2029427 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 8.509 | 441.192 | 608.187 | 1311.668 |
| Scenario A2 | VH | MECHR8 | 41676292 | 2031330 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 3.380 | 175.228 | 880.840 |
| Scenario A2 | VH | MECHP9 | 41675630 | 2031887 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 6.814 | 701.195 |
| Scenario A2 | VH | MECHP10 | 41673252 | 2034440 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Scenario B1 | VH | MECHP1 | 41676100 | 2016936 | 0.000 | 1.617 | 0.652 | 1.543 | 1.984 | 1.984 | 1.984 | 1.984 | 1.984 | 1.984 |
| Scenario B1 | VH | MECHP2 | 41676370 | 2018400 | 0.000 | 0.000 | 0.652 | 1.332 | 1.617 | 1.617 | 1.617 | 1.617 | 1.617 | 1.617 |
| Scenario B1 | VH | MECHR3 | 41676912 | 2020270 | 0.000 | 0.000 | 0.000 | 0.574 | 0.652 | 0.652 | 0.652 | 0.652 | 0.652 | 0.652 |
| Scenario B1 | VH | MECHR4 | 41678042 | 2023948 | 0.000 | 0.000 | 0.000 | 0.000 | 1.543 | 1.543 | 1.543 | 1.543 | 1.543 | 1.543 |
| Scenario B1 | VH | MECHR5 | 41678685 | 2027173 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.984 | 1.984 | 1.984 | 1.984 | 1.984 |
| Scenario B1 | VH | MECHR6 | 41677357 | 2029443 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.984 | 1.984 | 1.984 | 1.984 |
| Scenario B1 | VH | MECHP7 | 41677352 | 2029427 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.984 | 1.984 | 1.984 |
| Scenario B1 | VH | MECHR8 | 41676292 | 2031330 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.984 | 1.984 |
| Scenario B1 | VH | MECHP9 | 41675630 | 2031887 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.984 |
| Scenario B1 | VH | MECHP10 | 41673252 | 2034440 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Scenario B2 | VH | MECHP1 | 41676100 | 2016936 | 0.000 | 799.007 | 4821.466 | 4391.152 | 2177.656 | 2592.564 | 2589.178 | 2969.027 | 3085.167 | 3657.675 |
| Scenario B2 | VH | MECHP2 | 41676370 | 2018400 | 0.000 | 0.000 | 2735.635 | 4597.097 | 4869.810 | 5950.612 | 5941.820 | 6939.900 | 7249.614 | 8770.115 |
| Scenario B2 | VH | MECHR3 | 41676912 | 2020270 | 0.000 | 0.000 | 0.000 | 5676.820 | 10014.072 | 12903.939 | 12881.145 | 15564.562 | 16421.884 | 20563.380 |
| Scenario B2 | VH | MECHR4 | 41678042 | 2023948 | 0.000 | 0.000 | 0.000 | 0.000 | 1984.647 | 3341.987 | 3332.780 | 4578.629 | 5007.560 | 6960.766 |
| Scenario B2 | VH | MECHR5 | 41678685 | 2027173 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 542.421 | 540.100 | 989.293 | 1158.582 | 1871.391 |
| Scenario B2 | VH | MECHR6 | 41677357 | 2029443 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 3.457 | 446.901 | 617.224 | 1333.802 |
| Scenario B2 | VH | MECHP7 | 41677352 | 2029427 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 449.275 | 619.330 | 1335.700 |
| Scenario B2 | VH | MECHR8 | 41676292 | 2031330 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 178.438 | 896.979 |
| Scenario B2 | VH | MECHP9 | 41675630 | 2031887 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 719.594 |
| Scenario B2 | VH | MECHP10 | 41673252 | 2034440 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |