The result of the evaluation over 46 samples throughout the project area is shown in the table below, please also refer to *USGS\_SD\_2017\_Fall\_Lidar\_Relative\_Accuracy\_Flightline\_Overlap.shp*.

|  |  |  |  |
| --- | --- | --- | --- |
| **RMS\_DZ (m)** | **Max\_DZ (m)** | **Min\_DZ (m)** | **Area (sq m)** |
| 0.0471 | -0.0208 | -0.0713 | 767 |
| 0.0471 | -0.0105 | -0.0726 | 622 |
| 0.0101 | 0.0242 | -0.0234 | 303 |
| 0.0151 | 0.0347 | -0.0525 | 870 |
| 0.0144 | 0.001 | -0.0317 | 771 |
| 0.0238 | -0.0021 | -0.0416 | 417 |
| 0.0352 | -0.0088 | -0.055 | 624 |
| 0.0118 | 0.0312 | -0.0296 | 498 |
| 0.0204 | 0.0015 | -0.0412 | 468 |
| 0.0176 | 0.0458 | -0.0453 | 658 |
| 0.0129 | 0.0393 | -0.0164 | 621 |
| 0.0135 | 0.0438 | -0.0224 | 443 |
| 0.0183 | 0.0019 | -0.0419 | 546 |
| 0.0159 | 0.0052 | -0.0347 | 711 |
| 0.0245 | 0.044 | 0.0089 | 537 |
| 0.0073 | 0.018 | -0.0205 | 499 |
| 0.016 | 0.0448 | -0.0131 | 677 |
| 0.0161 | 0.0377 | -0.0982 | 1112 |
| 0.017 | 0.0554 | -0.0575 | 759 |
| 0.0181 | 0.0449 | -0.0212 | 860 |
| 0.035 | 0.0892 | -0.0191 | 738 |
| 0.0154 | 0.0465 | -0.0223 | 999 |
| 0.0366 | 0.0684 | -0.0029 | 1139 |
| 0.0178 | 0.0533 | -0.0316 | 1273 |
| 0.0128 | 0.0332 | -0.0438 | 1060 |
| 0.0151 | 0.0523 | -0.057 | 859 |
| 0.0143 | 0.0368 | -0.0143 | 884 |
| 0.0249 | 0.0705 | -0.0135 | 877 |
| 0.0116 | 0.0344 | -0.0497 | 1018 |
| 0.0175 | 0.095 | -0.0606 | 500 |
| 0.0168 | 0.0487 | -0.071 | 612 |
| 0.0111 | 0.0405 | -0.0399 | 903 |
| 0.0297 | 0.0768 | -0.0204 | 715 |
| 0.021 | 0.0103 | -0.0685 | 466 |
| 0.0103 | 0.029 | -0.0178 | 581 |
| 0.0095 | 0.0295 | -0.0321 | 623 |
| 0.0101 | 0.0279 | -0.0292 | 468 |
| 0.0239 | 0.0753 | -0.0208 | 635 |
| 0.0164 | 0.0125 | -0.0465 | 548 |
| 0.0252 | 0.0508 | -0.0369 | 464 |
| 0.0376 | 0.0657 | 0.004 | 727 |
| 0.0163 | 0.0521 | -0.0158 | 549 |
| 0.0112 | 0.0148 | -0.0345 | 477 |
| 0.034 | -0.0052 | -0.0675 | 600 |
| 0.0108 | 0.0271 | -0.0363 | 851 |
| 0.0229 | -0.0025 | -0.0395 | 511 |

Table 4: Relative Accuracy, Overlap Consistency