# **Data dictionary for lidar-derived beach morphology**

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| ****Attribute**** | ****Detailed Description**** |
| ****State**** | State number defining a state or a region within a state. See Table 1 for numbering. |
| ****Segment**** | Segment numbers are sequential and start at 1 for each state number. The segments run parallel to the coast and define the angle of rotation for each portion of coastline needed to make the shore-parallel lidar grids. |
| ****Profile**** | Profile numbers are sequential and start at 1 for each segment number. Each profile is a cross-shore transect that is a single shore-normal row in the lidar grid. |
| ****Feature\_type**** | A two letter text code that notates which feature is described by the data in that entry. DC- dune crest, DT- dune toe, SL-shoreline. |

Combining these 3 numbers (state, segment, profile) gives the user a unique identifier for a cross-shore transect location. These numbers define consistent transects for each field activity number (FAN) so that features (feature\_type, DC, DT, SL) can be compared through time (i.e., calculations of shoreline change).

## Table 1

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| **State Number** | **State Description** | **Segment Range** |
| 1 | Texas | 1-48 |
| 2 | Western Louisiana | 1-90 |
| 3 | Louisiana Chandeleur Islands | 1-15 |
| 4 | Mississippi Barrier Islands | 1-28 |
| 5 | Alabama | 1-23 |
| 6 | Florida Panhandle | 1-82 |
| 7 | Florida West Coast | 1-112 |
| 8 | Florida East Coast | 1-121 |
| 9 | Georgia | 1-83 |
| 10 | South Carolina | 1-149 |
| 11 | North Carolina | 1-26 |
| 12 | Virginia | 1-88 |
| 13 | Maryland | 1-15 |
| 14 | Delaware | 1-16 |
| 15 | New Jersey | 1-7 |
| 16 | New York | 1-48 |
| 17 | Western Rhode Island | 1-46 |
| 18 | Eastern Rhode Island | 1-66 |
| 19 | Western Massachusetts | 1-90 |
| 20 | Massachusetts Martha’s Vineyard | 1-18 |
| 21 | Massachusetts Nantucket | 1-21 |
| 22 | Massachusetts Outer Cape | 1-45 |
| 23 | Massachusetts South Shore | 1-178 |
| 24 | Massachusetts North Shore | 1-89 |
| 25 | New Hampshire | 1-49 |
| 26 | Maine | 1-40 |
| 27 | Washington | 1-291 |
| 28 | Oregon | 1-563 |
| 29 | California- Northern | 1-584 |
| 30 | California- Central | 1-785 |
| 31 | California- Southern | 1-476 |
| 32 | Hawaii | 1-9 |
| 33 | Puerto Rico (main island) | 1-228 |
| 34 | Culebra | 1-51 |
| 35 | Vieques | 1-58 |