

PROJECT NAME: Beach Sediment Analysis  
 CLIENT: HDR, Inc.  
 SAMPLE ID: MIN-T6  
 LOCATION: Mustang Island North

| MUSTANG ISLAND NORTH         |                                              |            |            |           |        |            |
|------------------------------|----------------------------------------------|------------|------------|-----------|--------|------------|
| Transect 6                   |                                              |            |            |           |        |            |
| ASTM MESH                    | PERCENT SHELL BY WEIGHT (BASED ON #10 SIEVE) |            |            |           |        |            |
|                              | Toe of Dune                                  | Mid Berm   | Swash Zone | First Bar | Trough | Second Bar |
| RETAINED BY #10              | 0.0                                          | 0.0        | 0.1        | 0.0       | 0.1    | 0.1        |
| ASTM MESH                    | % FINER BY WEIGHT AFTER REMOVING SHELL       |            |            |           |        |            |
|                              | Toe of Dune                                  | Mid Berm   | Swash Zone | First Bar | Trough | Second Bar |
| #10                          | 100.0                                        | 100.0      | 100.0      | 100.0     | 100.0  | 100.0      |
| #18                          | 100.0                                        | 100.0      | 100.0      | 100.0     | 99.9   | 99.9       |
| #35                          | 99.9                                         | 99.9       | 100.0      | 99.9      | 99.7   | 99.4       |
| #60                          | 99.7                                         | 99.7       | 99.1       | 98.5      | 96.5   | 93.9       |
| #70                          | 98.9                                         | 98.4       | 96.8       | 96.0      | 91.8   | 89.0       |
| #80                          | 91.6                                         | 90.9       | 86.4       | 89.6      | 77.9   | 79.8       |
| #100                         | 58.7                                         | 64.2       | 65.8       | 71.4      | 49.8   | 60.6       |
| #120                         | 33.6                                         | 36.3       | 42.6       | 47.3      | 33.1   | 40.2       |
| #170                         | 2.2                                          | 1.9        | 2.9        | 3.4       | 2.7    | 2.7        |
| #200                         | 1.7                                          | 1.3        | 2.0        | 2.4       | 1.8    | 1.8        |
| STATISTICS (EXCLUDING SHELL) |                                              |            |            |           |        |            |
| MEDIAN GRAIN SIZE (mm)       | 0.140                                        | 0.136      | 0.132      | 0.127     | 0.149  | 0.136      |
| MEAN GRAIN SIZE (mm)         | 0.138                                        | 0.136      | 0.135      | 0.131     | 0.148  | 0.142      |
| SORTING ( $\sigma$ )         | 0.360                                        | 0.364      | 0.398      | 0.398     | 0.454  | 0.512      |
| Munsell Color                | Light Gray                                   | Light Gray | Gray       | Gray      | Gray   | Gray       |



