

PROJECT NAME: Beach Sediment Analysis  
 CLIENT: HDR, Inc.  
 SAMPLE ID: GISP-T3  
 LOCATION: Galveston Island State Park

| GALVESTON ISLAND STATE PARK  |                                              |               |               |               |               |               |
|------------------------------|----------------------------------------------|---------------|---------------|---------------|---------------|---------------|
| Transect 3                   |                                              |               |               |               |               |               |
| 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           | 0.0           | 0.0           | 0.1           | 0.0           |
| 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          | 99.8          |
| #35                          | 100.0                                        | 100.0         | 100.0         | 99.7          | 99.5          | 99.2          |
| #60                          | 99.8                                         | 99.9          | 99.8          | 99.2          | 98.5          | 98.5          |
| #70                          | 99.1                                         | 99.7          | 99.3          | 98.7          | 97.3          | 98.0          |
| #80                          | 95.6                                         | 98.1          | 96.8          | 97.5          | 94.1          | 96.7          |
| #100                         | 79.1                                         | 85.4          | 86.1          | 92.2          | 82.3          | 92.6          |
| #120                         | 45.5                                         | 52.7          | 60.8          | 73.6          | 59.0          | 77.8          |
| #170                         | 1.4                                          | 2.4           | 2.6           | 3.7           | 3.3           | 5.3           |
| #200                         | 0.5                                          | 1.4           | 1.3           | 1.3           | 1.5           | 1.6           |
| STATISTICS (EXCLUDING SHELL) |                                              |               |               |               |               |               |
| MEDIAN GRAIN SIZE (mm)       | 0.128                                        | 0.123         | 0.117         | 0.111         | 0.118         | 0.109         |
| MEAN GRAIN SIZE (mm)         | 0.128                                        | 0.123         | 0.120         | 0.114         | 0.122         | 0.112         |
| SORTING ( $\sigma$ )         | 0.325                                        | 0.305         | 0.316         | 0.284         | 0.349         | 0.288         |
| Munsell Color                | Very Pale Brown                              | Grayish Brown | Grayish Brown | Grayish Brown | Grayish Brown | Grayish Brown |



