

The elevation of LA-1 will become increasingly inundated even if the present day relative sea level rise (RSLR) remains constant in the future.

Estimated Effects of RSLR on Frequency and Duration of Inundation for Leeville, LA using observations 1987-1990 and then projecting this 4-year time period forward using present rate of sea level rise

Using “5%” LA-1 elevation of 0.78m NAVD88 (1993)

| 4-yr Time Period | RSLR rate mm/yr) | Occurrences of Inundation (over 4-years) (# of tides) | Duration of Inundation (over 4- years) (hours (percent of total time)) | Elevation Rise Above 1990 MSL (meters) |
|-------------------------|-------------------------|--|---|---|
| 1987- 1990 | 9.24 | 0 | 0 (0%) | - |
| 2027-2030 | 9.24 | 124 | 960(6%) | 0.3 |
| 2047- 2050 | 9.24 | 1127 | 19163(55%) | 0.6 |
| 2097- 2100 | 9.24 | 1334 | 33699(96%) | 1.0 |

Note: NAVD88 elevations for bench marks and for LIDAR elevations for road surface are only estimates and have significant uncertainty

