

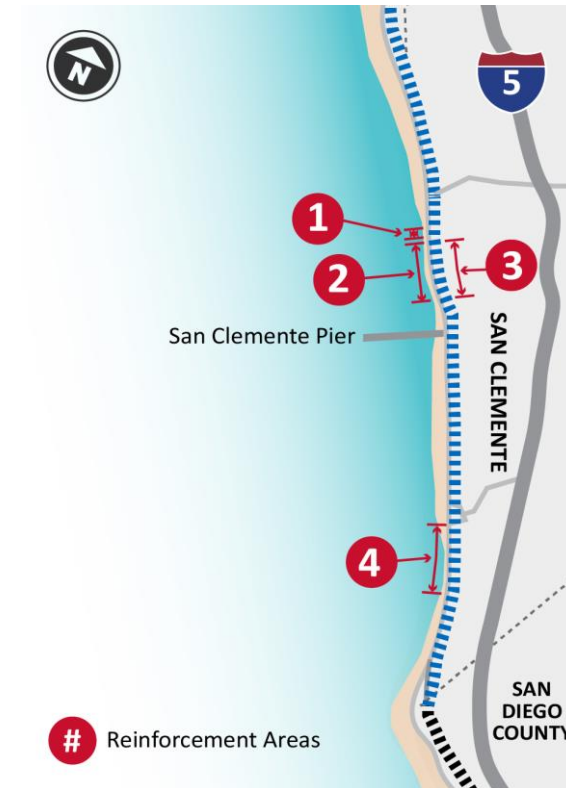
# Reinforcement Area Locations Map

- Four reinforcement areas were identified in January 2024
- Potential solutions evaluated at a conceptual level considering different materials, performance, costs, methods, and schedule

Area	Location (MP)	Challenge	Potential Solutions*
1	203.80 – 203.90	Ongoing deterioration of existing riprap protection	Armoring and sand nourishment
2	204.00 – 204.40	Erosion - no beach at high tide and direct wave attack damaging existing riprap protection	Armoring and sand nourishment
3	204.00 – 204.50	Steep bluffs with high potential for failure that could impact rail infrastructure	Catchment structure
4	206.00 - 206.67	Near San Clemente State Beach - erosion exposing areas of limited to no riprap protection	Armoring and sand nourishment

\*Range of solutions to be evaluated with Alternative Analysis (AA).

MP – Mile Post



*Preliminary concepts; assumptions are subject to change as more information becomes available.*