

# Coastal Rail Resiliency Study Map

## Areas of Immediate Concern

- Address imminent threats to avoid rail service interruptions
- Identify and address seaward areas most vulnerable to beach erosion and wave impacts
- Identify and address inland areas most vulnerable to slope failure
- Potential solutions need to be in place or substantially underway by fall 2024 ahead of next storm season

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

\*The inland slope experienced a failure in late January 2024 within a portion of Area 3, resulting in a passenger rail shutdown for approximately two months

\*Short and medium solutions have yet to be determined

