

Berths 118 and 119 [Kinder Morgan] Wharf Repair Project

Draft Mitigation Monitoring and Reporting Program

*Document considered draft until considered by the Board of Harbor
Commissioners*

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Mitigation/Lease Measure	Timing and Methods	Responsible Party
MM-BIO-1 Protect Marine Mammals. Although it is expected that marine mammals will voluntarily move away from the area at the commencement of the vibratory or “soft start” of pile driving activities, as a precautionary measure, pile driving activities occurring as part of the pile installation will include establishment of a safety zone, by a qualified marine mammal professional, and the area surrounding the operations (including the safety zones) will be monitored for marine mammals by a qualified marine mammal observer. ⁱ	Timing: Throughout pile driving operations. Methods: Tenant shall include this measure in the contract specifications for construction. LAHD shall monitor implementation of mitigation measures during construction.	Implementation: Tenant. Monitoring and Reporting: EMD and tenant.

ⁱ Marine mammal professional qualifications shall be identified based on criteria established by LAHD. The marine mammal professional shall develop site specific pile driving safety zone requirements, which shall follow NOAA Fisheries Technical Guidance Assessing the Effects of Anthropogenic Sound on Marine Mammal Hearing (NOAA Fisheries 2016) in consultation with the Acoustic Threshold White Paper prepared for this purpose by LAHD (LAHD 2017b). Final pile driving safety zone requirements developed by the selected marine mammal professional shall be submitted to LAHD Construction and Environmental Management Divisions.