



December 13, 2017

Mr. Scott Maloni  
Poseidon Water  
Electronic Delivery

RE: **Errata for Appendix T – Poseidon HBDF Diffuser APF 2016.03.01**

Dear Scott:

Per the comments of Dr. Peter Raimondi (Appendix F1 of the California State Lands Commission Supplemental Environmental Impact Report dated October 2017), we have revised Table 4 of the Huntington Desalination Facility: Diffuser Discharge Analysis Report (MBC 2015) prepared for Poseidon Resources (Surfside), LLC and revised in March 2016 to present the Standard Error (Std Err) and 95% Confidence Interval (CI) for CIQ Goby. Revisions were carried out using methods and adjusting the  $P_m$  values from the 2015 Tenera memorandum on approach for area of production foregone (APF) calculations at Huntington Beach, California. The revised table is presented below as Table 1. The  $P_m$  values were scaled up from those presented in the Tenera (2015) report for a 106 million gallons per day intake to a diffuser shearing impact on 180 million gallons per day in the same general area as the intake. This scaling factor was 1.698113. These revisions increase the total diffuser-related APF from 23.43 acres to 28.56 acres.

Please let me know if I can answer any questions or be of further service.

Sincerely,

HDR

Eric Miller, MS  
Environmental Project Manager

**Table 1.** The calculated area of production foregone (in acres) resulting from operation of a multiport diffuser for the stand-alone facility assuming 180 million gallons per day (MGD) of discharge induced turbulent water volume. Pm-23% refers to the proportional mortality associated with 23% of the receiving waters entrained by the discharge. SWA represents the source water area (acres) that could have produced the larvae subject to entrainment. APF represents the Area of Production Foregone (acres) derived by multiplying the Pm-23% by the SWA.

Taxa	Habitat	P <sub>m</sub>	SWA	APF
CIQ goby	Estuarine	0.251%	3,397.78	8.54
Std Err				1.55
Mean + 95% CI				11.09
Black Croaker	Coastal	0.024%	60,589.03	14.40
California halibut	Coastal	0.031%	20,123.04	25.98
combtooth blennies	Coastal	0.078%	83,791.00	15.696
Diamond Turbot	Coastal	0.097%	54,321.20	52.579
Queenfish	Coastal	0.088%	100,615.20	88.845
cancer crab megalops	Coastal	0.391%	110,291.80	430.762
Spotfin Croaker	Coastal	0.048%	37,277.10	17.724
White Croaker	Coastal	0.119%	82,911.31	98.555
Mean				93.07
Std Err				49.66
Mean + 95% CI				174.74
10:1 Scaling				17.47433
<b>Total APF</b>				<b>28.56</b>