

From: Peter MacLaggan
To: [Neill, Ben@Waterboards](mailto:Neill.Ben@Waterboards)
Subject: CDP Mitigation Calculation
Date: Friday, September 14, 2018 9:42:36 AM

Ben,

Included below is my revised mitigation calculation. The reason we had different numbers is that I forgot to apply the 1% mitigation credit to the entrainment APF. I noted that the SAP applied the 1% credit to the calculated mitigation acreage after scaling for out-of-kind mitigation. This is not correct, the section M.2.e(1)(a) of the Ocean Plan says the 1% credit is to be applied to the APF. The application of the habitat scaling factor comes after the calculation of the final APF that includes the 1% credit.

Peter

Alternative 21 Mitigation Calculation

Type of Impact Measured	Impacted Area (Acres)	Impacted Habitat	Impacted Area By Habitat Type (Acres)	One Percent Mitigation Credit (Acres)	Mitigation Ratio	Required Mitigation (Acres)	Mitigation Area Habitat Type
			A	B	C	(A-B)xC	
Entrainment	131.70	Estuarine	59.40	(0.59)	1.0	58.81	Estuarine
		Open Water	72.30	(0.72)	0.1	7.16	Estuarine
Brine Mixing Zone	18.51	Soft Bottom	18.20	NA	0.1	1.82	Estuarine
		Rock Jetties	0.31	NA	1.0	0.31	Estuarine
Permanent Construction	0.20	Estuarine	0.10	NA	1.0	0.20	Estuarine
Total	150.41		150.41			68.30	Estuarine

Entrainment mitigation per SAP final report dated August 24, 2018, acreage presented is after consideration of one percent mitigation credit per Ocean Plan section M.2.e.(1)(a).