Table 1b. Calculation of Per-Acre Costs - [Other Restoration Project]

Project Summary

Breuner Marsh is approximately 150 acres, bounded by San Pablo Bay is located on the northern shoreline of the City of Richmond. The project area consists of tidal saltmarsh, low quality seasonal wetlands, ruderal uplands with small remnant patches of riparian vegetation and coastal prairie.

Task	***Year***	***$Million***	***$Million in 2017***
Mobilization			
Site preparation (grubbing, invasives removal, etc.)	2015	$ 2.50	
Relocation of utilities			
Grading and earthwork	2015	$ 9.3	
Construction of structures			
Irrigation installation			
Planting Maintenance (during monitoring period)	2015	$ 0.5	
Monitoring (including reporting)	2015	$ 0.5	

ESA can do this part using the same calculator we did for San Dieguito and Ballona

Total Cost

Total Cost per Acre ($K)

ESA can do this part based on the 2017 dollars

Notes

FR EBRPD	*Total Cost Budget:	$14.2 Million	*Land Acquisition Not Included.
Preconstruction		1.4	planning, env compliance, permitting
CM, Engineering/Design (.		2.6	
Phase 1 (2014)		2.5	hazardous soil removal, site preparation, grading, portion of tidal wetland/seasonal wetland construction
Phase 2 (2015)		1.7	portion of tidal wetland/seasonal wetland construction; portion of public access – bathrooms etc.
Phase 3 (2016)		5	portion of public access improvements- boardwalk, trail construction
Monitoring and Plant Esta		1	

References