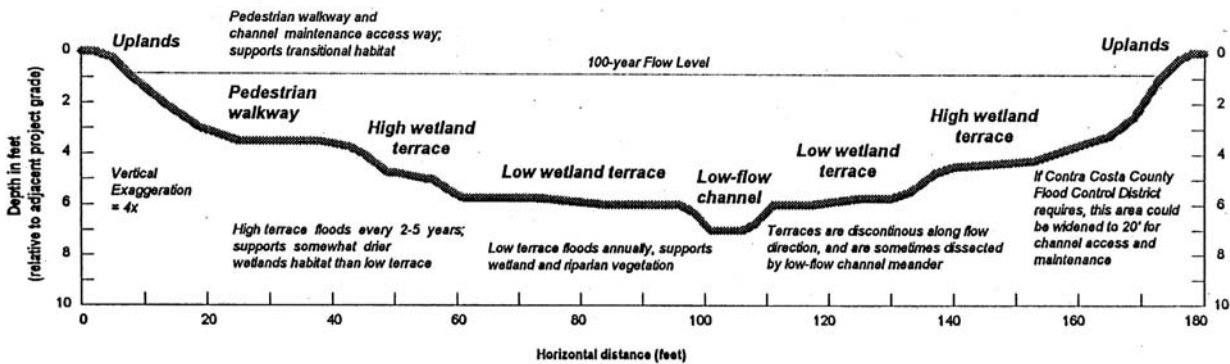


Stream Restoration



Four small coastal streams converge at a 104-acre site planned to be the commercial hub of the growing community of Hercules. The original plans to construct a concrete-lined trapezoidal channel along the southern edge of the site proved infeasible, due to prior industrial

uses and other environmental and public-safety concerns. Balance Hydrologics staff, working closely with planners and biologists in both the public and private sectors, designed a naturalized floodway through the northern sector which meets both conveyance and habitat needs, and also provides for additional stormwater quality control through the use of best management practices. Models used include HEC-2, and proprietary water-quality and sedimentation codes developed by Balance staff.



Refugio Creek corridor habitat zones. Terrace levels intended to support different vegetation and habitat types; shown schematically.