

**Table 1:** Description of riparian restoration units on the Sacramento River where soil cores were sampled and vegetation response was studied. RM stands for river mile, and L and R refer to left and right bank (looking downstream) respectively.

site	location	size	year planted	last maintenance	number of soil cores
Princeton	RM 164L	14.8 ha	1993	1995	21
River	RM 190R	14.2 ha	1991	1993	26
Sam	RM 190R	29.5 ha	1992	1994	32
Vista	RM 216L	56.6 ha	1993, 1994	1995, 1996	27

**Table 2.** Partial list of physical and biotic parameters that should be assessed (independent variables that may be used in statistical analyses and modeling). Landscape parameters can be calculated for study sites from GIS coverages.

Site-Specific Parameters	Landscape Parameters
- soil stratigraphy	- distance to remnant riparian habitat
- soil moisture	- distance to source populations (for particular species of interest)
- soil nutrients	- surrounding land use
- water table depth	- previous land use
- stage-discharge relationship	- habitat area
- flood frequency	- habitat shape
- elevation	- index of habitat connectivity
- slope	- distance to tributary confluence
- age (time since planting, or time since deposition or scouring)	
- species present (including abundance measures)	
- canopy cover	
- weather (including temperature and rainfall)	