

**Pima County Regional Flood Control District**  
**Water Resources Division**

Onsite Vegetation Characterization Checklist of Requirements

The following sampling method may be used to determine plant replacement ratios for the purpose of mitigating regulated riparian habitat disturbance (excerpted from TECH-116):

- ✓ **Plot sampling.** Plot sampling (also called quadrat sampling) is used to define plant community characteristics, including cover type, frequency, and density. The plot sampling method approved for use by the District is found in Section 3.0 of TECH-116 and provides a method for determining plant replacement ratios for the purpose of mitigation.

A report shall be submitted to the District that contains at a minimum the following information:

1. Aerial photograph at an appropriate scale with the following items clearly labeled:
  - Project area;
  - Regulated riparian habitat boundaries (2005 Riparian Classification Maps);
  - Sampling entities;
  - Plot locations, numerically labeled, to identify the plot relative to the data.
2. Description of assumptions and reasoning for sample entities design and sample design.
3. Summary table with all species listed (see TECH-116, Appendix F for example).
4. Summary table with species densities per plot; mean densities per species per entity (for tree and shrub species only); and extrapolated values for trees and shrubs for the area of interest (e.g. disturbance area or 1 acre). See TECH-116, Appendix F for an example summary table.
5. Field data forms.
6. Representative photographs of each sample entity.
7. Other supporting data and evidence as appropriate.

The onsite vegetation characterization survey shall be included with the first submittal of the Floodplain Use Permit (FPUP), tentative plat or development plan.

**Onsite vegetation characterization submittals are subject to District review and approval.**