

Watershed or Sub-basin Plan

A watershed or sub-basin plan is a document that studies stormwater runoff and the potential for flooding and environmental impact of a particular watershed or sub-basin, before and after potential development, which drains into a river or other body of water. This plan has boundaries defined by the natural watershed basin or sub-basin of the area. It uses multiple layers of information pertaining to the natural and built environment to develop a comprehensive picture of the carrying capacity of the land for urban densities of development.

This is the second largest and most challenging type of plan to develop. A watershed or sub-basin plan is similar to the development of a comprehensive land use plan in its level and intensity of work. This type of plan could take 24 to 36 months.

When is a watershed or sub-basin plan appropriate?

This type of plan is commonly used to study greenfield, undeveloped, natural, or agriculturally used areas on the fringe of urban development. A watershed or sub-basin plan is used to determine the long-term future (potential) for urban densities of development and their impact on the natural environment.

Purpose or reasons to use a watershed or sub-basin plan are to:

1. Provide information regarding the impact ~~on~~ *of* the natural environment on the potential *for* future development.
2. Determine any environmental constraints and hazards for future development.
3. Provide a shared vision for area's residents/owners and local government entities.
4. Provide information regarding the area's needs, priorities, and proposed projects.
5. Provide guidance on matters of land use, development, and site layout to possible area residents or investors.
6. Determine if development proposals and land use changes are in accordance with the community's long term vision.
7. Provide implementation recommendations for coordination of development with adequate public facility's goals.
8. Provide a framework to guide an area's development efforts and track development trends and progress.
9. Provide maps showing existing information and proposed information.

Typical Process of a Watershed Plan

- Identify the study area boundary
- Identify key stakeholders
- Public meetings

- Inventory survey and data analysis
- Goals, visions, policies, and objectives
- Plan drafts
- Adoption process