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Ecology Does the Invasive Species map show populations before or after eradication efforts? The Vegetation Community map seems out of date. • Let's show areas adjacent to the watershed for ecological maps.

urrent Land Use & Recent Developments

The Current Land Use map does not include recent developments in the

It would be useful to compare historical with current land use in the watershed
 Are more recent aerial imagery data available?

Imperviousness? • Can we generate finer sub-basins to present the % impervious data within the watershed? • Are more recent % impervious data available?







## Percent of watershed comprised of each land use class for past, current, and planned land use.

Land Use Classes	Past (1986)	Current (2007)	Planned
Low Density Residential	25.03	29.87	42.82
High Density Residential	3.51	3.90	5.73
Commercial & Institutional	2.24	4.09	5.38
Industrial & Transportation	4.19	19.55	23.05
Parks - Recreation	0.58	1.65	1.78
Open - Recreation	1.03	1.05	1.50
Agriculture	19.16	8.53	0.18
Open	36.52	29.71	18.02
Water	1.53	1.53	1.54
Transitional	6.21	0.12	0.00































## Watershed-wide Reconnaissance

Objectives –

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- ✓ Facilitate communication
- ✓ Develop understanding of the variety of impacts to stream channels throughout the watershed – NOT to collect detailed information at only a few sites
- ✓ Map the distribution of impacts

## Stream Reach Characterization Objectives – Develop understanding of the extent, magnitude, and range of instream erosion and sedimentation impacts Identify high value aquatic resources Identify candidate reaches for management measures





































## Linkage to WMP Development

### WMP Objectives

- ✓ Maintain stable stream banks to protect aquatic habitat and priority tree species
- Design and construct restoration projects to minimize impacts to streambanks and riparian areas.

### **Targeting of Management**

✓ Instream measures must be coupled with upland controls and policy





# **Why important now? 9 Context for 9 Context for 9 Context for 1 Cont**









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### **Goal #1 Indicators**

- Nutrient and sediment loading (to streams and Agua Hedionda Lagoon)
- Aquatic habitat condition
- Stream stability
- Peak Flows
- Flood elevation

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### Goal # 2 Objectives

- Maintain stable stream banks to protect aquatic habitat and priority tree species.
- Maintain instream habitat to support native aquatic life.
  - Maintain and protect lagoon habitat.



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### **Goal #2 Indicators**

- Stream stability.
- Peak flow.
- Aquatic habitat condition.
- Aquatic biodiversity.
- Lagoon habitat quality.

# **BOORT #3**• Use a balanced approach to restore watershed functions, including hydrology, water quality, and habitat.















