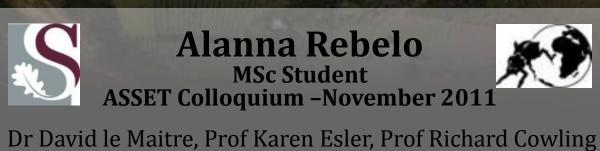
Are we destroying our insurance policy? A case-study of the Kromme River



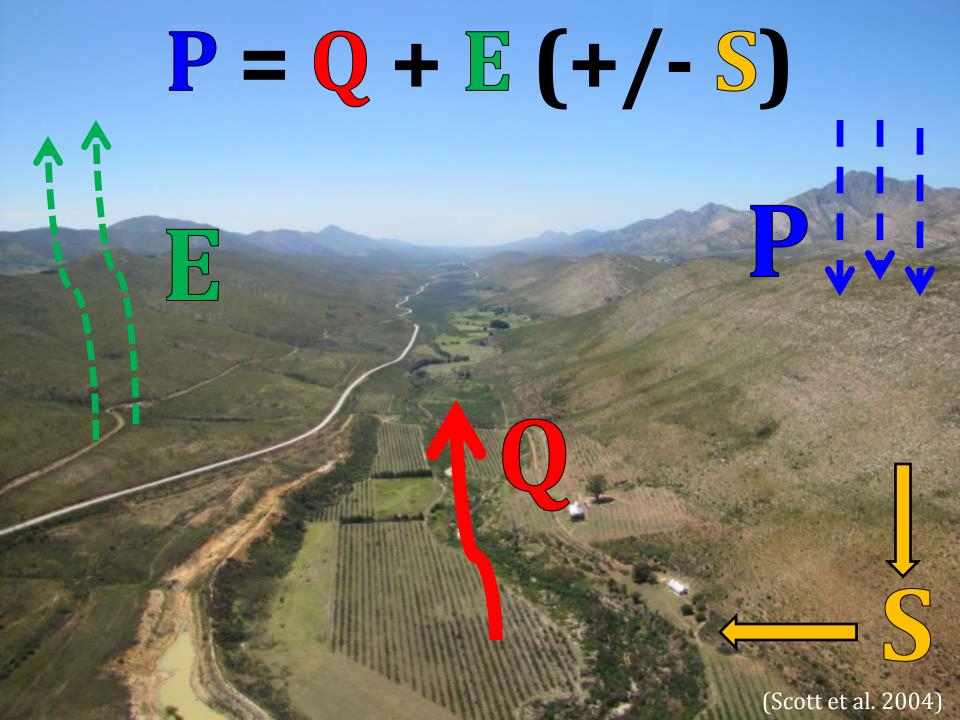








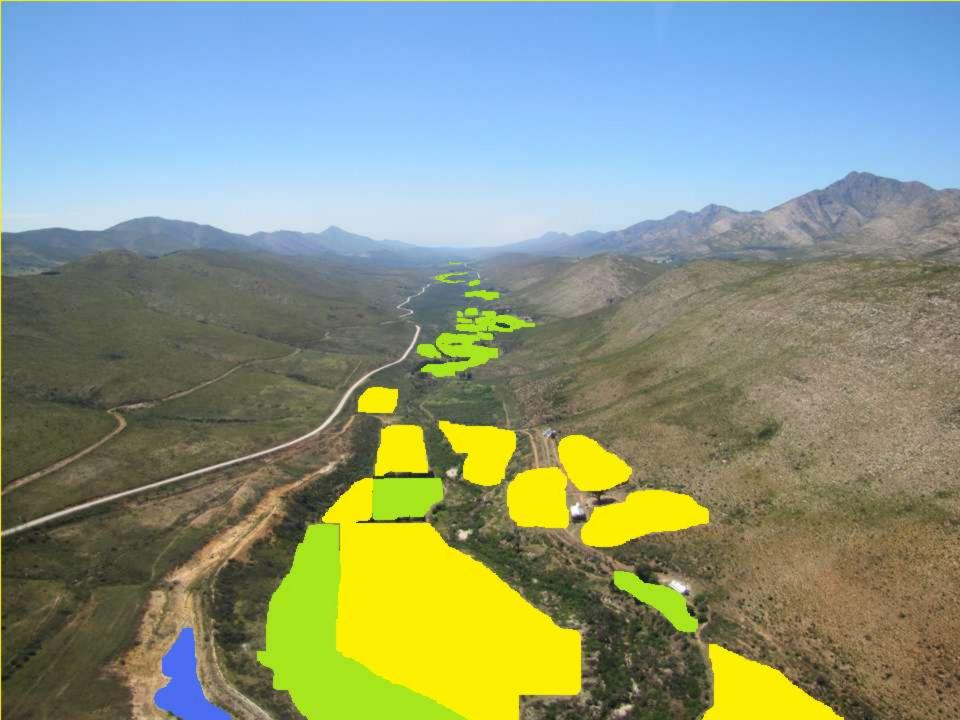


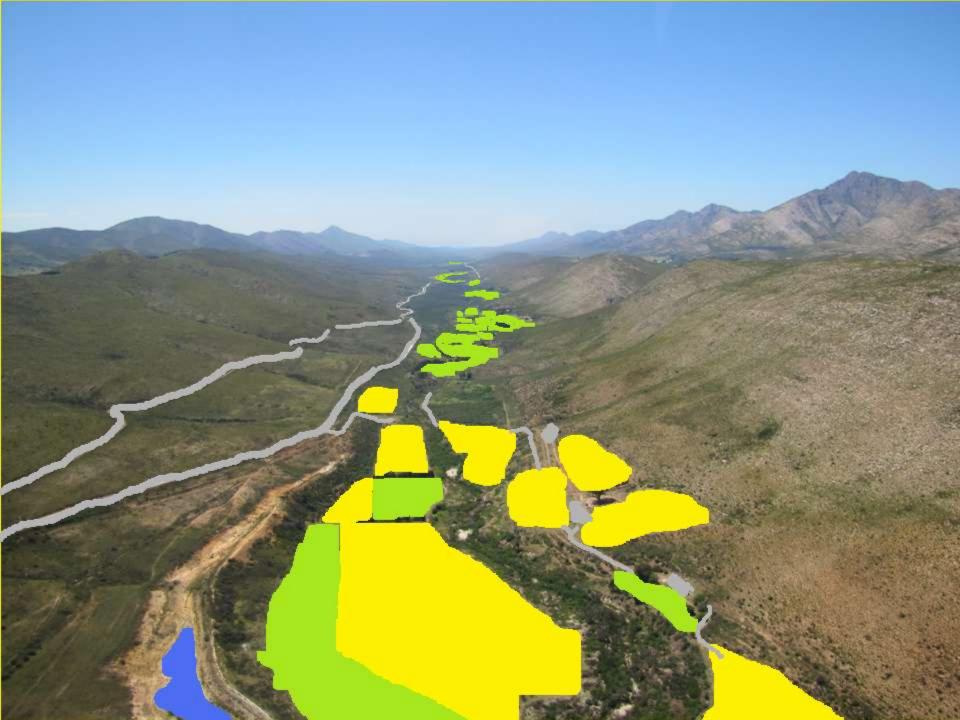






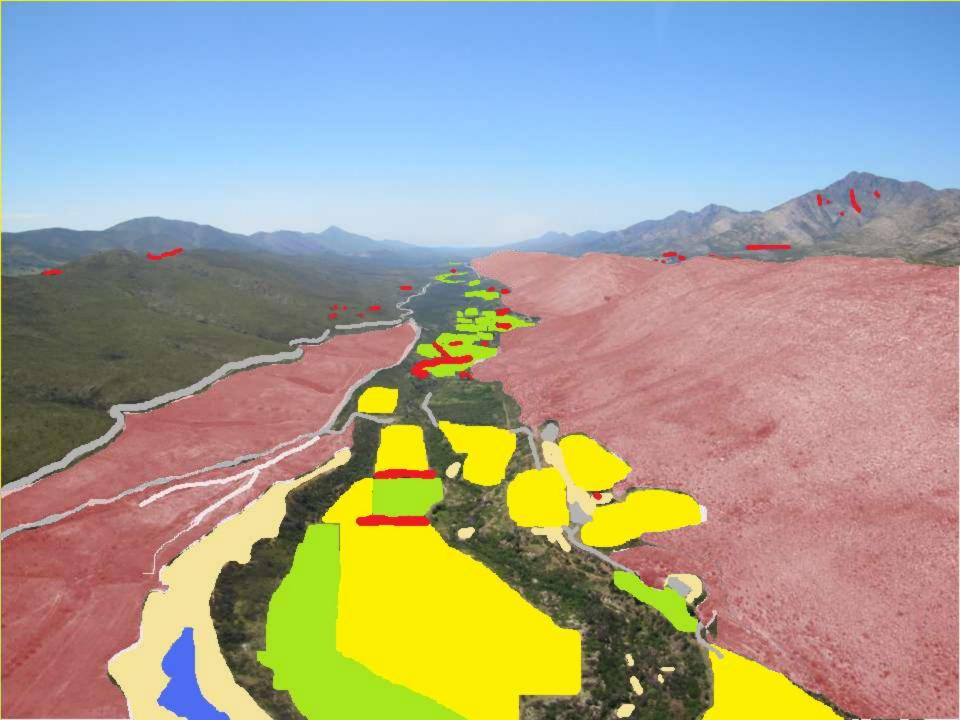


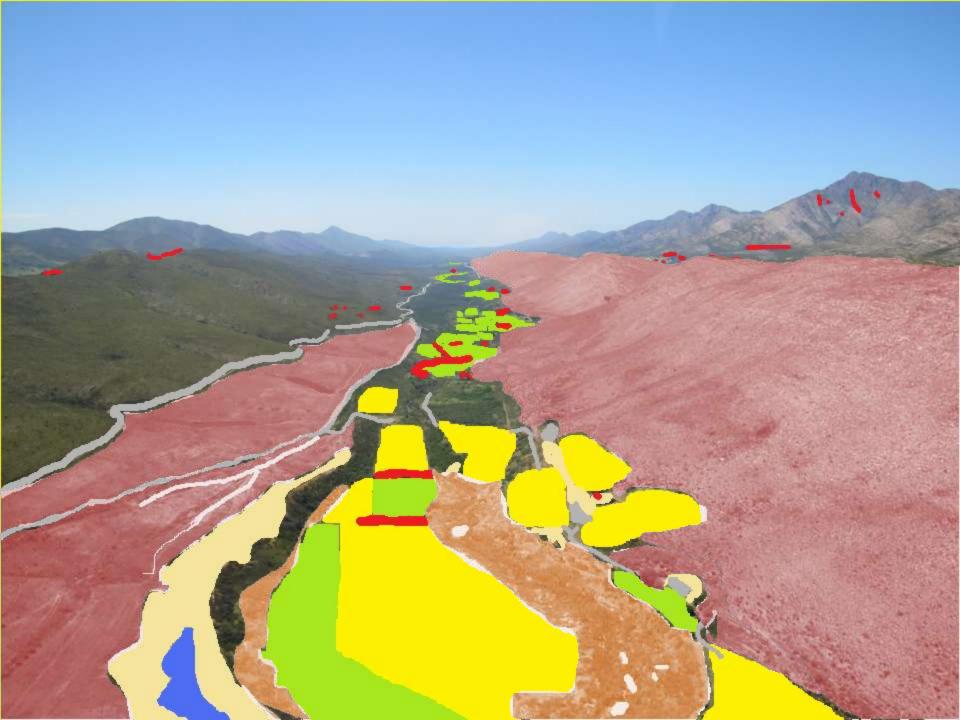












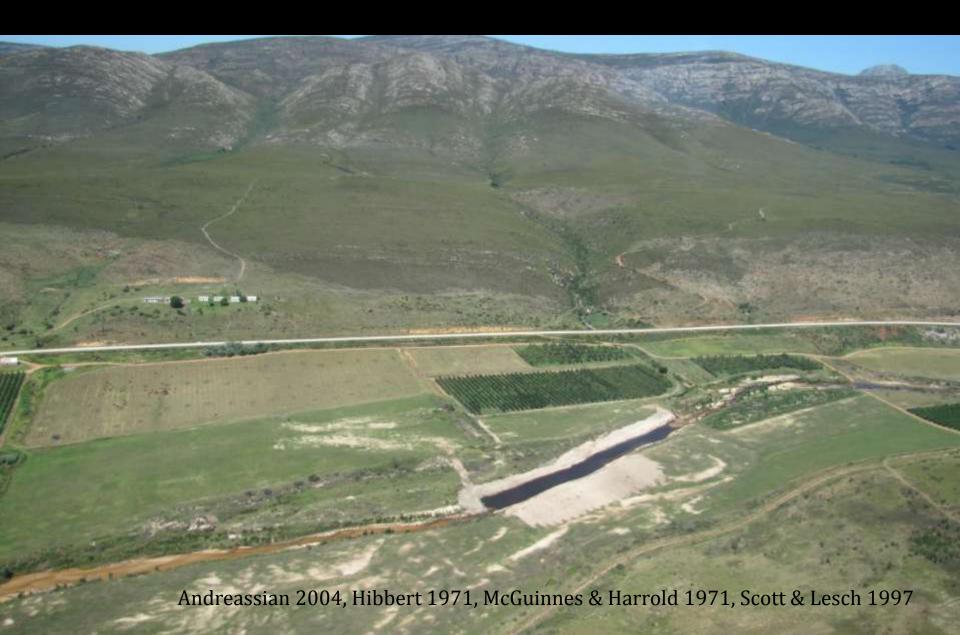
Riverflow



River channel structure



Baseflow



Extreme events -floods



Impact of aliens: Yield



Research Questions:

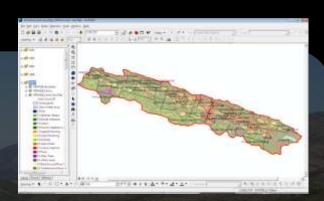
- 1. Geomorphology?
- 2. Riverflow?
- 3. Extreme events?
- 4. Baseflow?
- 5. Water Quality?

Ecosystem Goods and Services

1. Mapping Land-use

2. Social Study

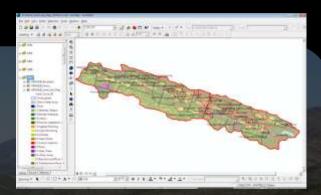
1. Mapping Land-use



2. Social Study

1. Mapping Land-use

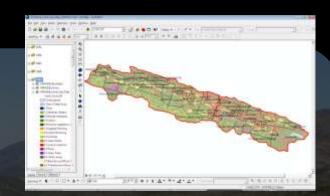
2. Social Study



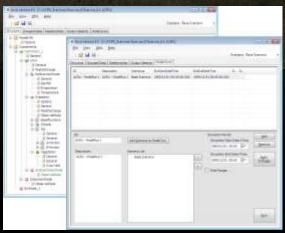


1. Mapping Land-use

2. Social Study

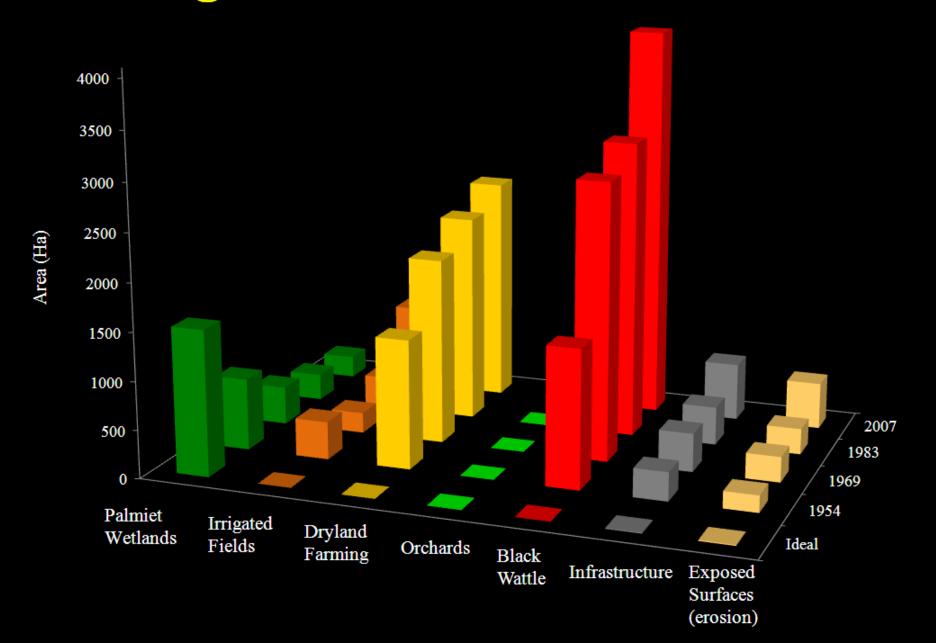


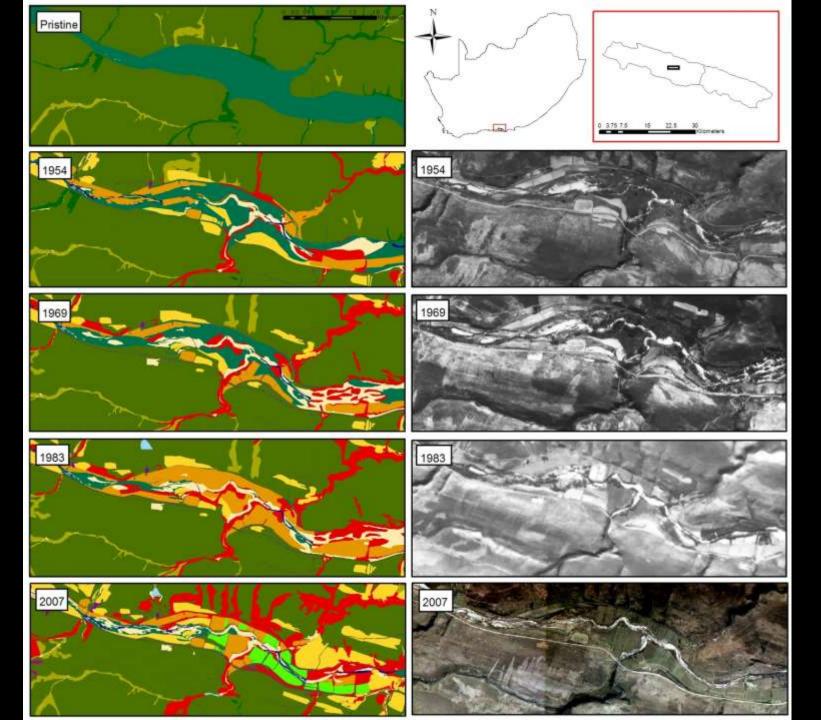


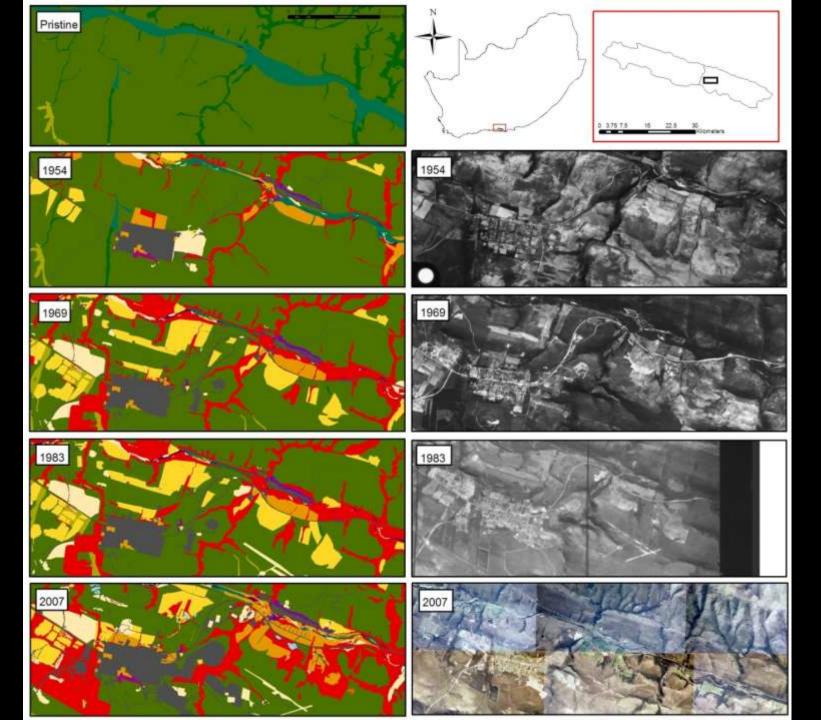


Results

Change in Land-use: 1954 - 2007



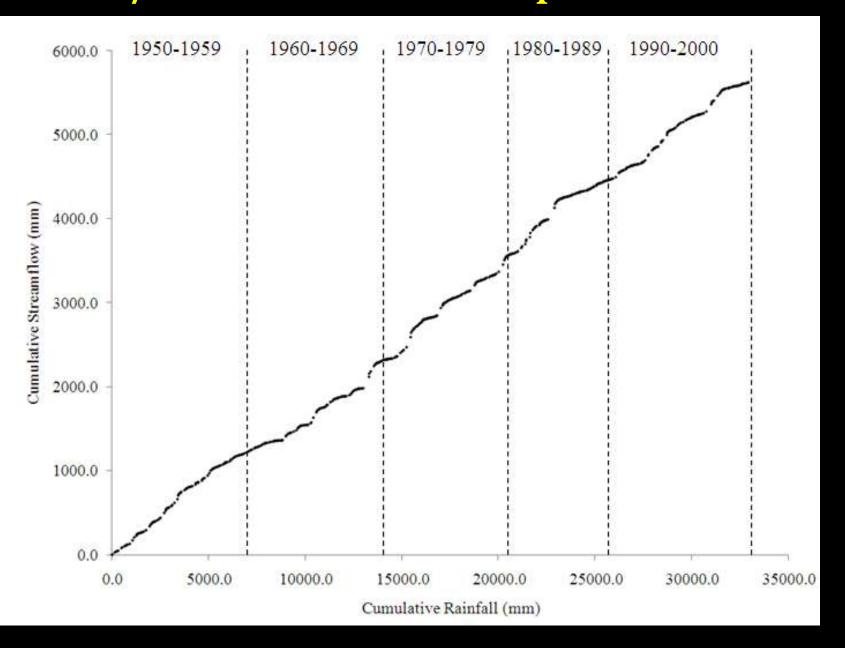


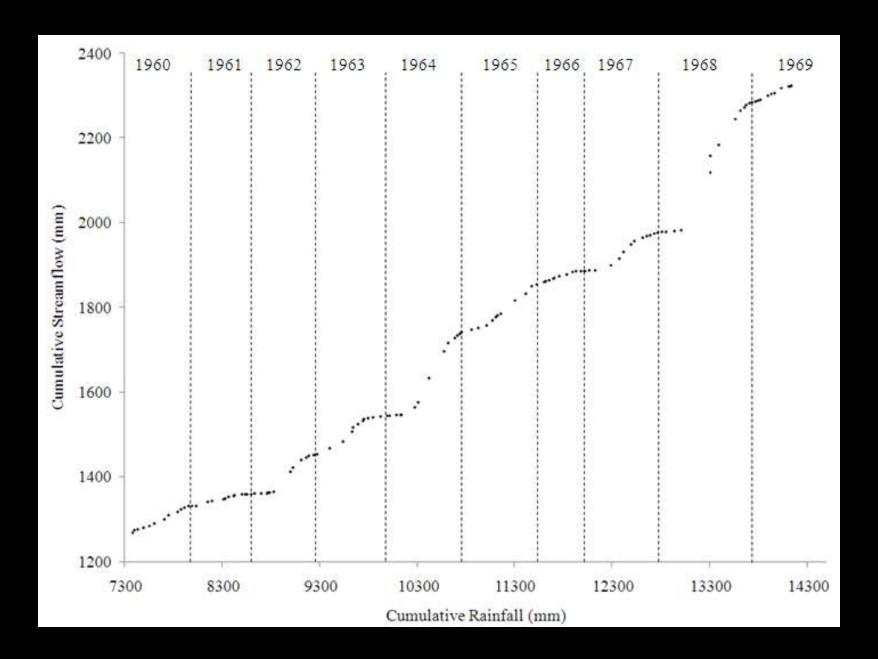


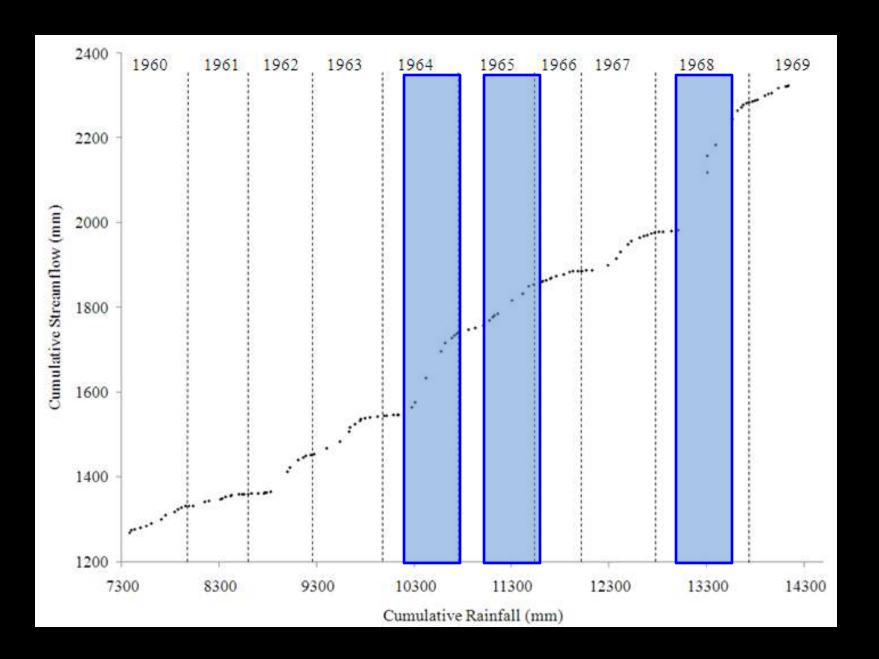
Question 1:

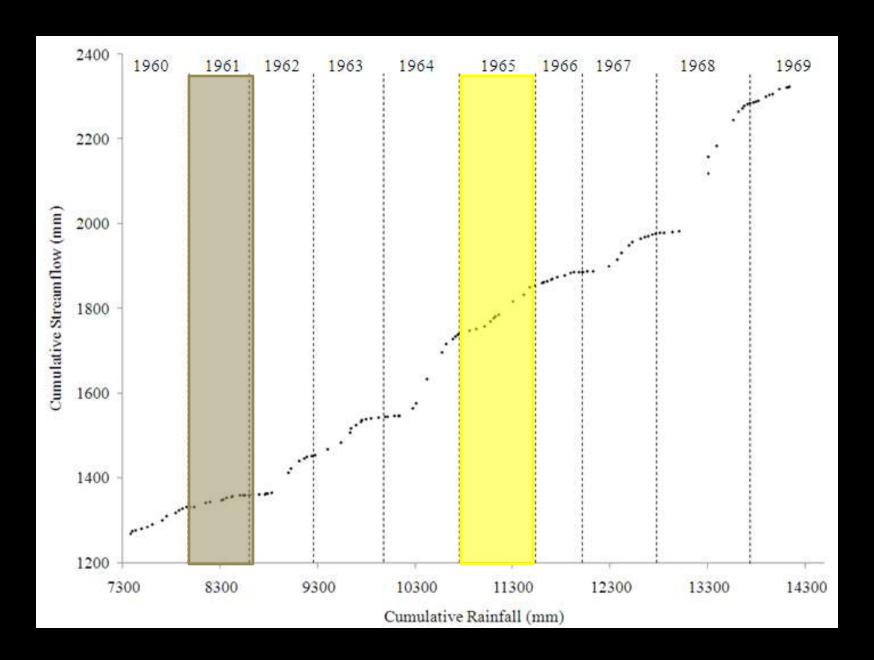
Riverflow?

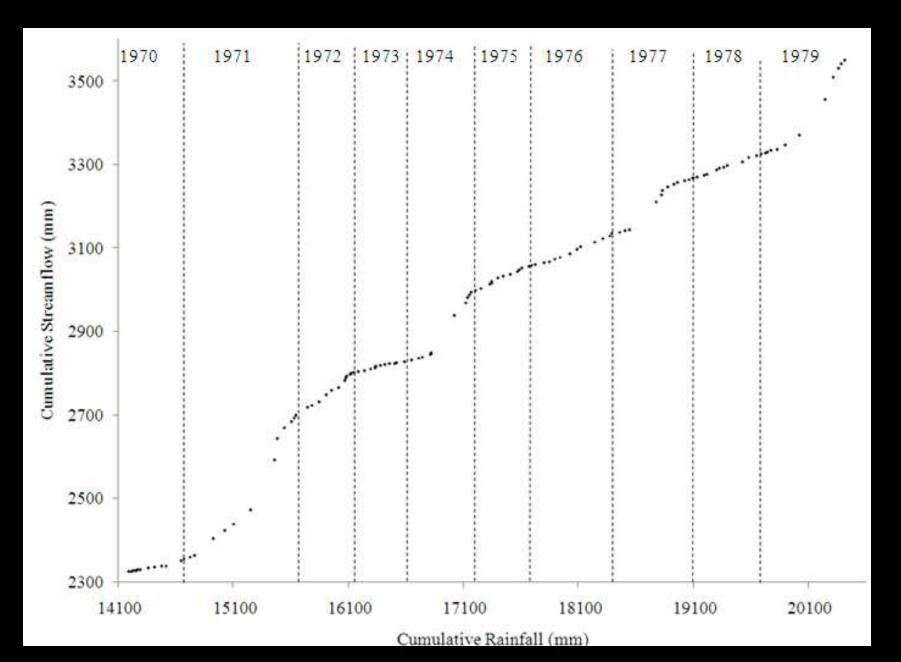
Rainfall/River relationship: 1950-2000



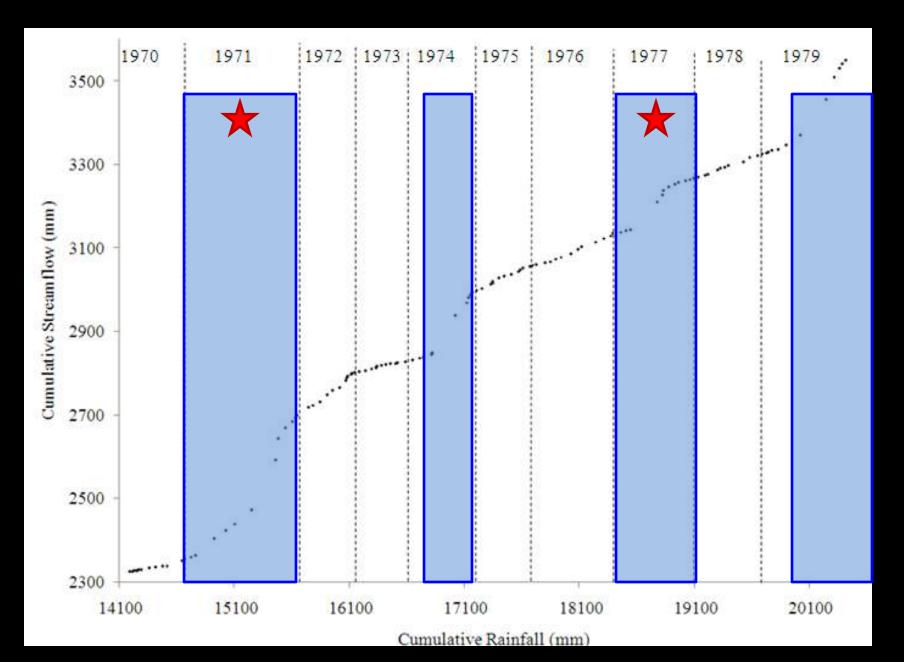




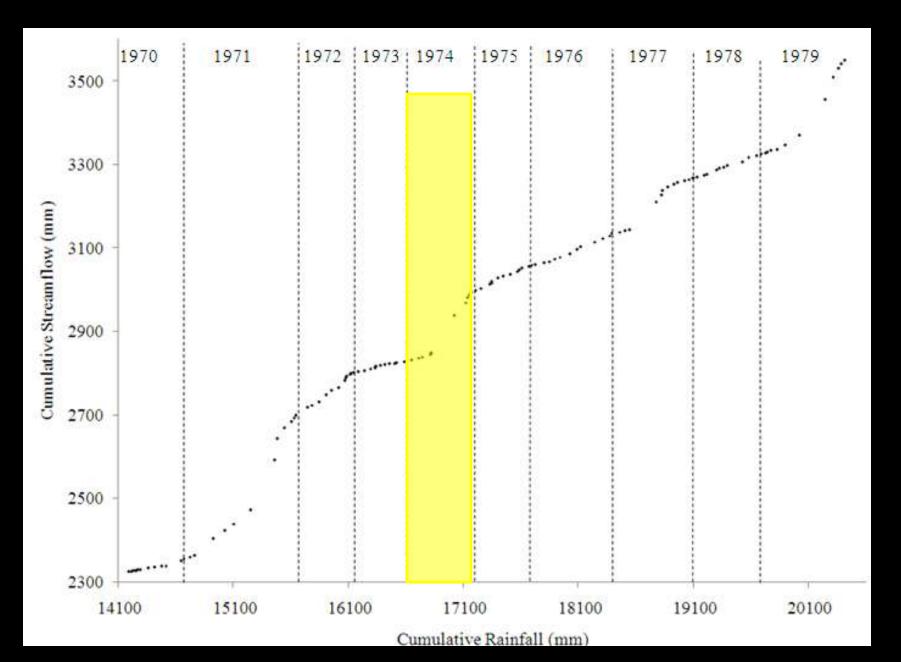




1970s



1970s



Problems with the ACRU Model

	Black Wattle		Palmiet	
	Et Potential	Et Actual	Et Potential	Et Actual
ACRU	1162.11	402.72	-91.73	1741.47
Literature	_	1380	-	1060

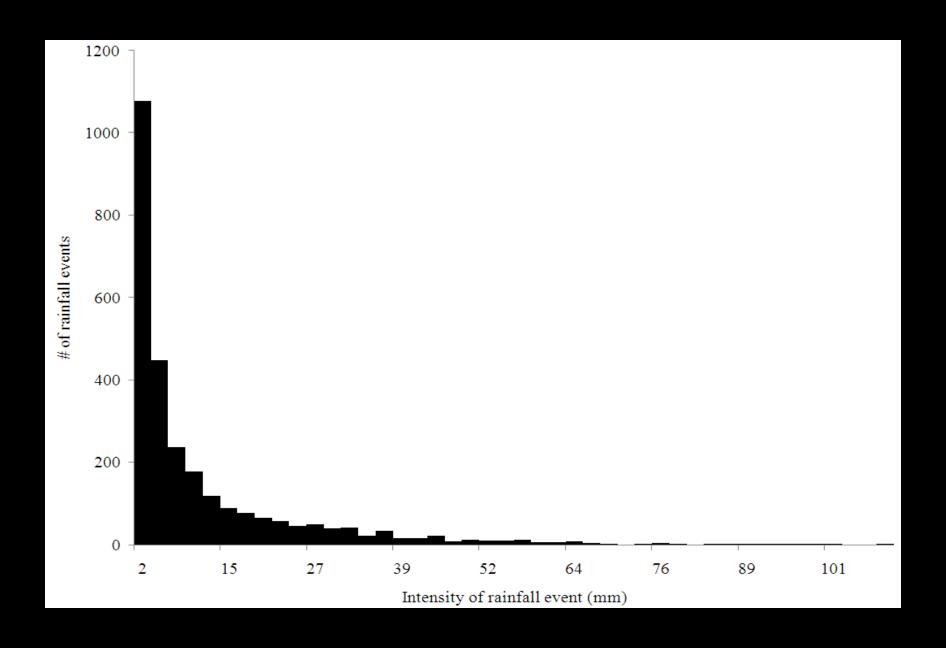




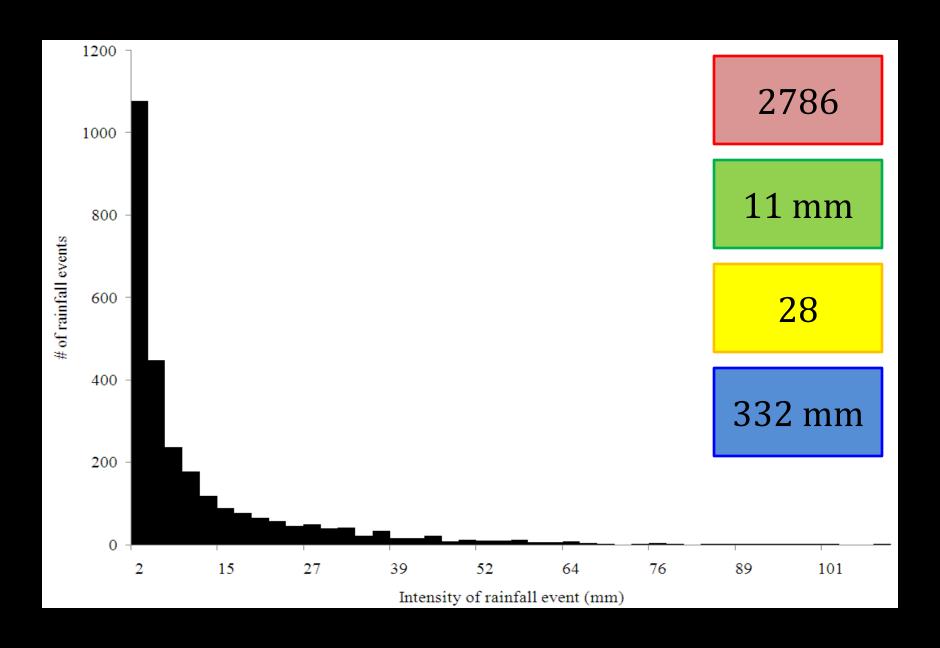
Question 2:

Extreme events?

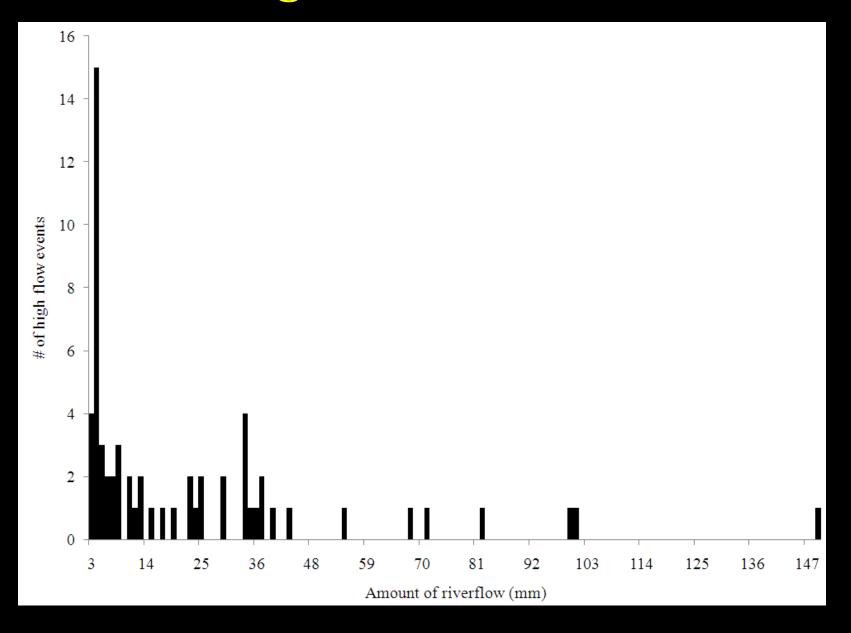
Heavy Rainfall Events



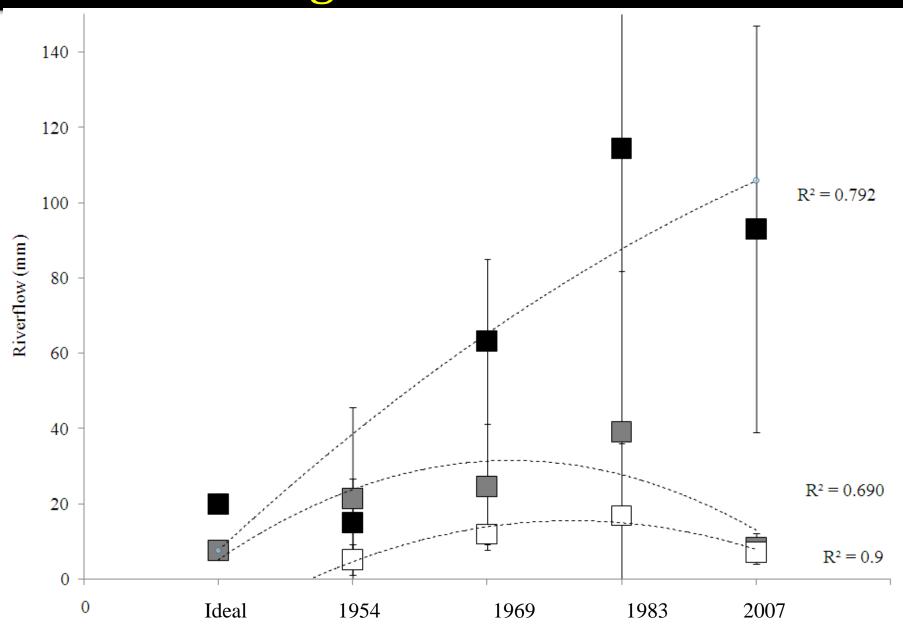
Heavy Rainfall Events



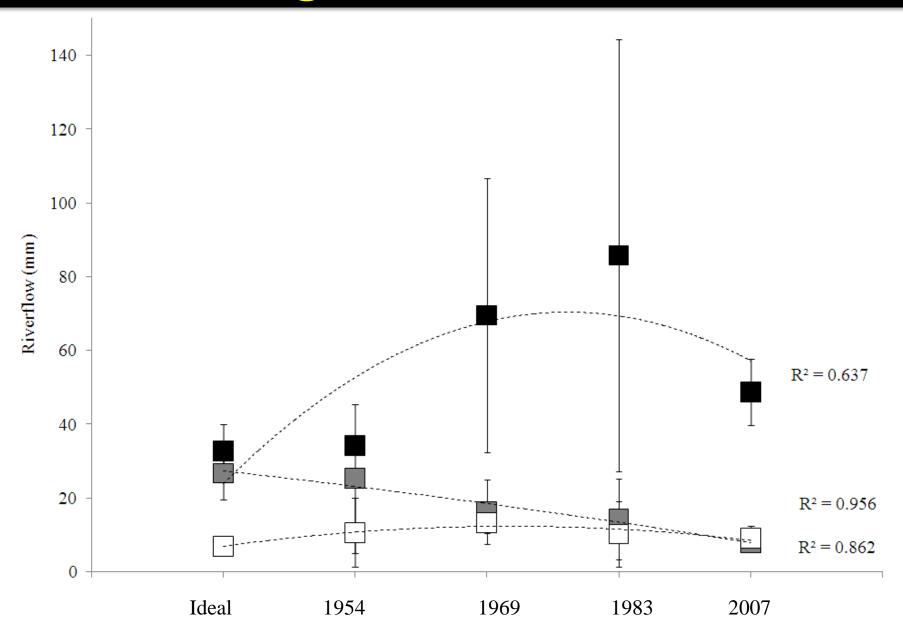
High Flow Events



High Flow Events



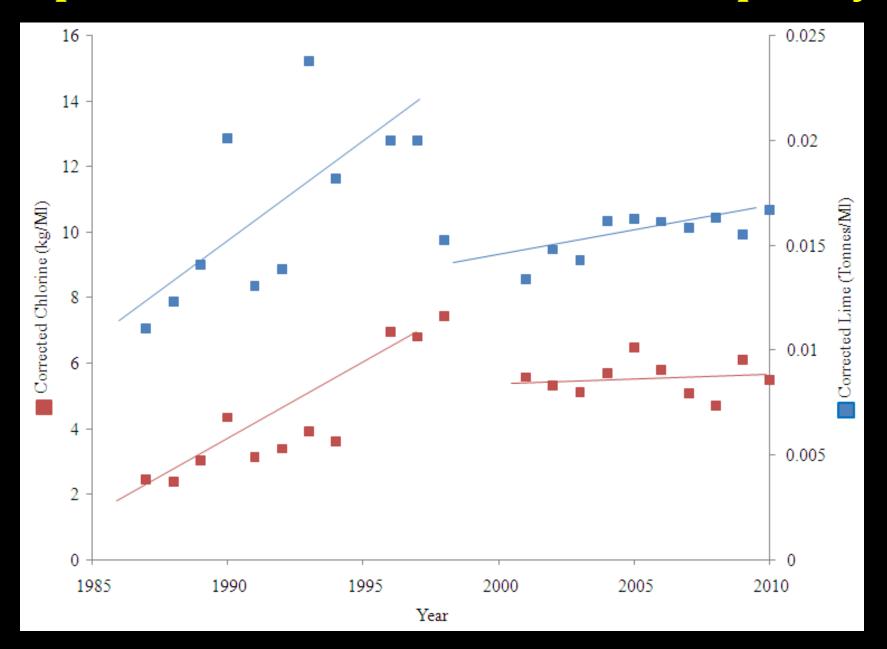
High Flow Events

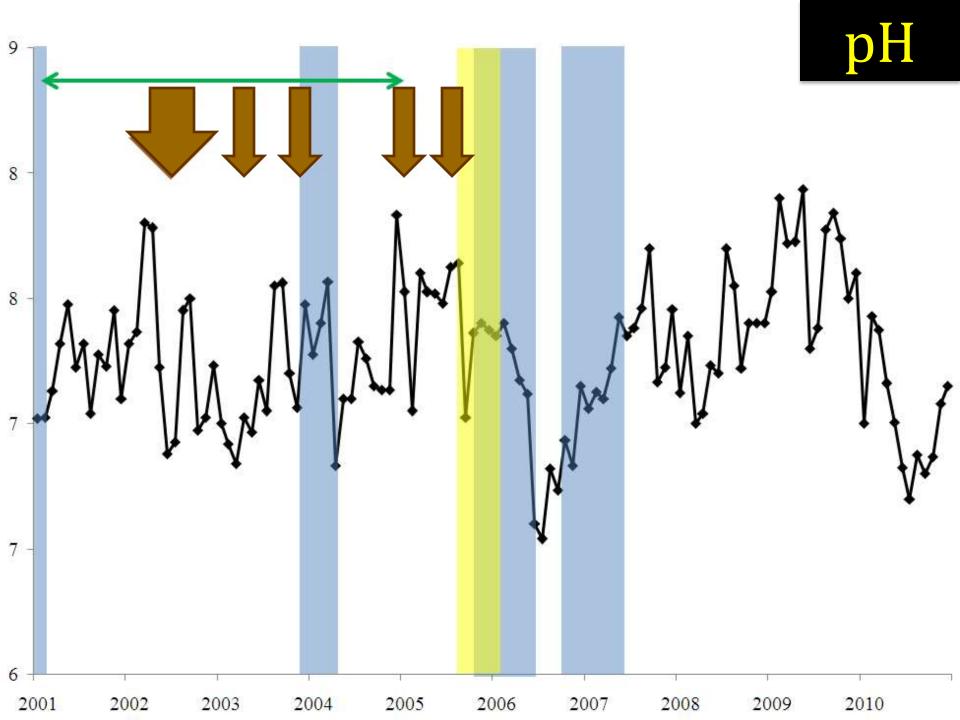


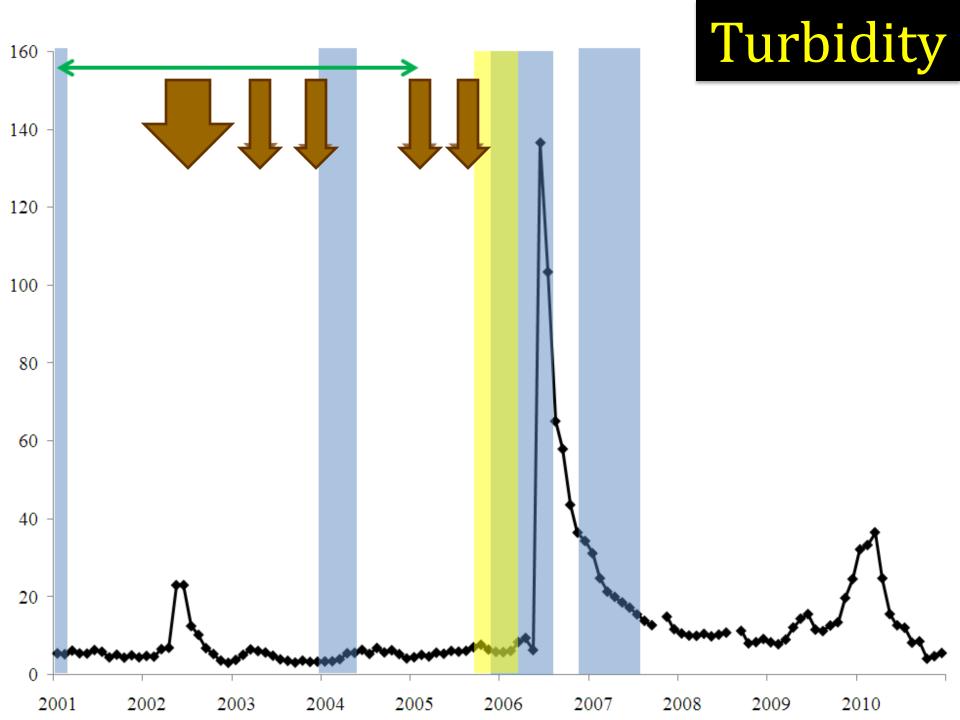
Question 3:

Water Quality?

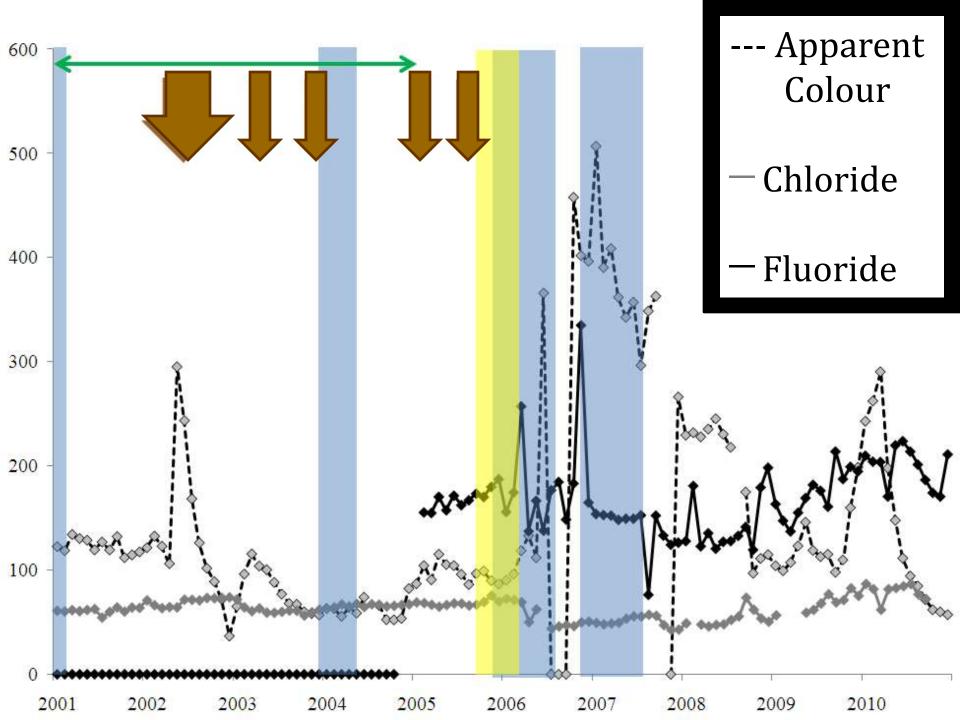
Impacts of restoration on water quality











Payments for Ecosystem Services



Networking & Communication



Any Questions?

