

# Mission Bay: Wreck to Recreation

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City of San Diego Storm Water Division  
May 12, 2011 – Signs of the Tides



# Mission Bay



## Mission Bay: Storm Drain Pipes & Sewer Mains

SANGIS.DRAIN\_CONVEYANCE  
SANGIS.S\_MAIN  
SANGIS.HYD\_STREAMS\_SG





**Mission Bay  
Low-Flow  
Diversion Structures:  
Interceptor  
Pump Stations,  
Storm Pump  
Stations and  
Storm Drain  
Diversion Boxes  
(Indicated by  
yellow dots)**

SANGIS.DRAIN\_CONVEYANCE  
SANGIS.HYD\_STREAMS\_SG



# Bacterial Source Identification

*(Clean Beaches Initiative)*



# Bacteria:

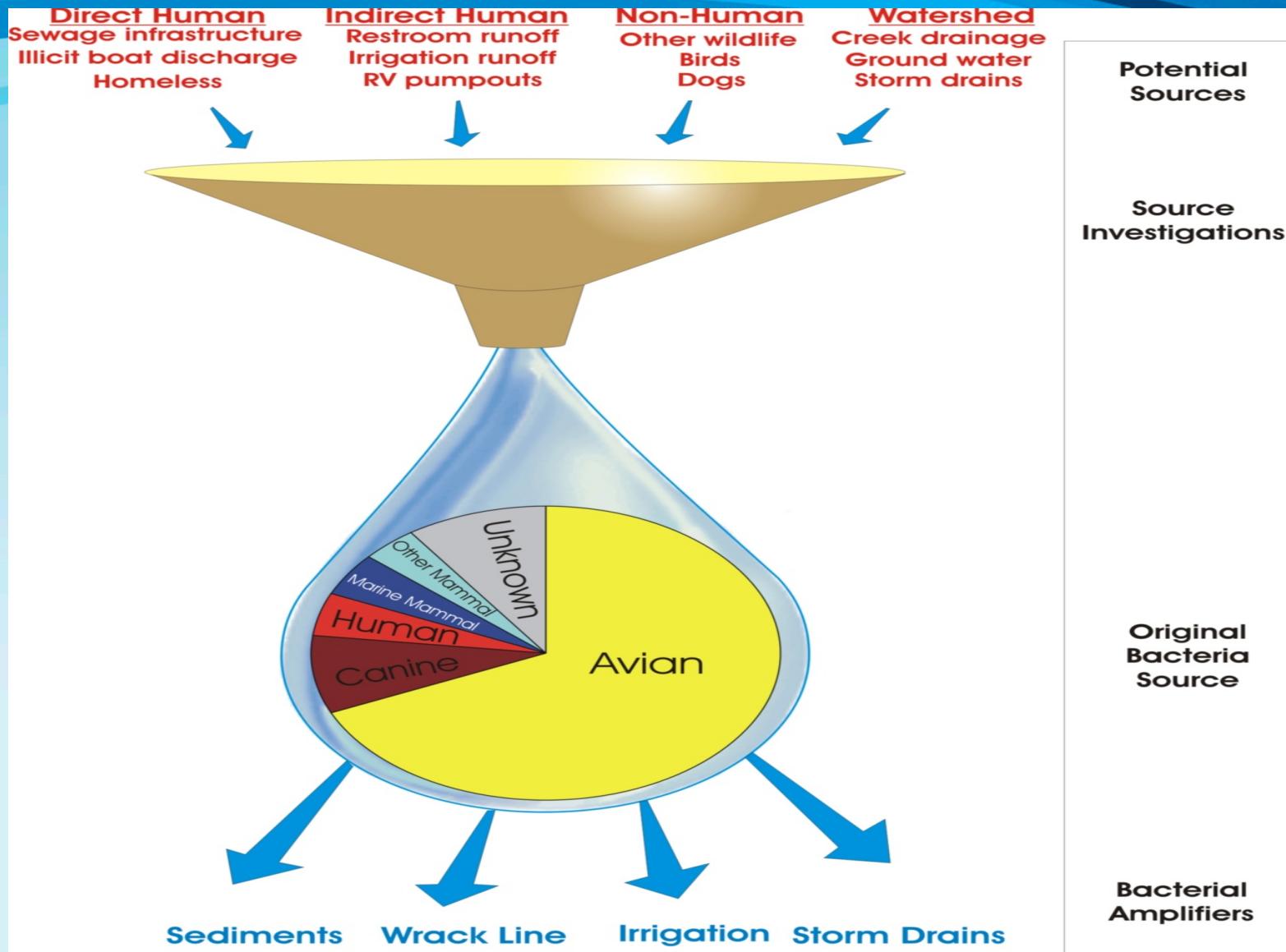
## Potential Sources



- Over-irrigation
- Boats – Illegal Discharges
- Birds
- Infrastructure Failures – Restrooms
- Homeless Encampments
- Storm Drains



# Samples and Sources



# Contaminant Dispersion Study



# Human Pathogenic Viruses & Epidemiology Study



# Computerized Irrigation



# Tecolote Creek



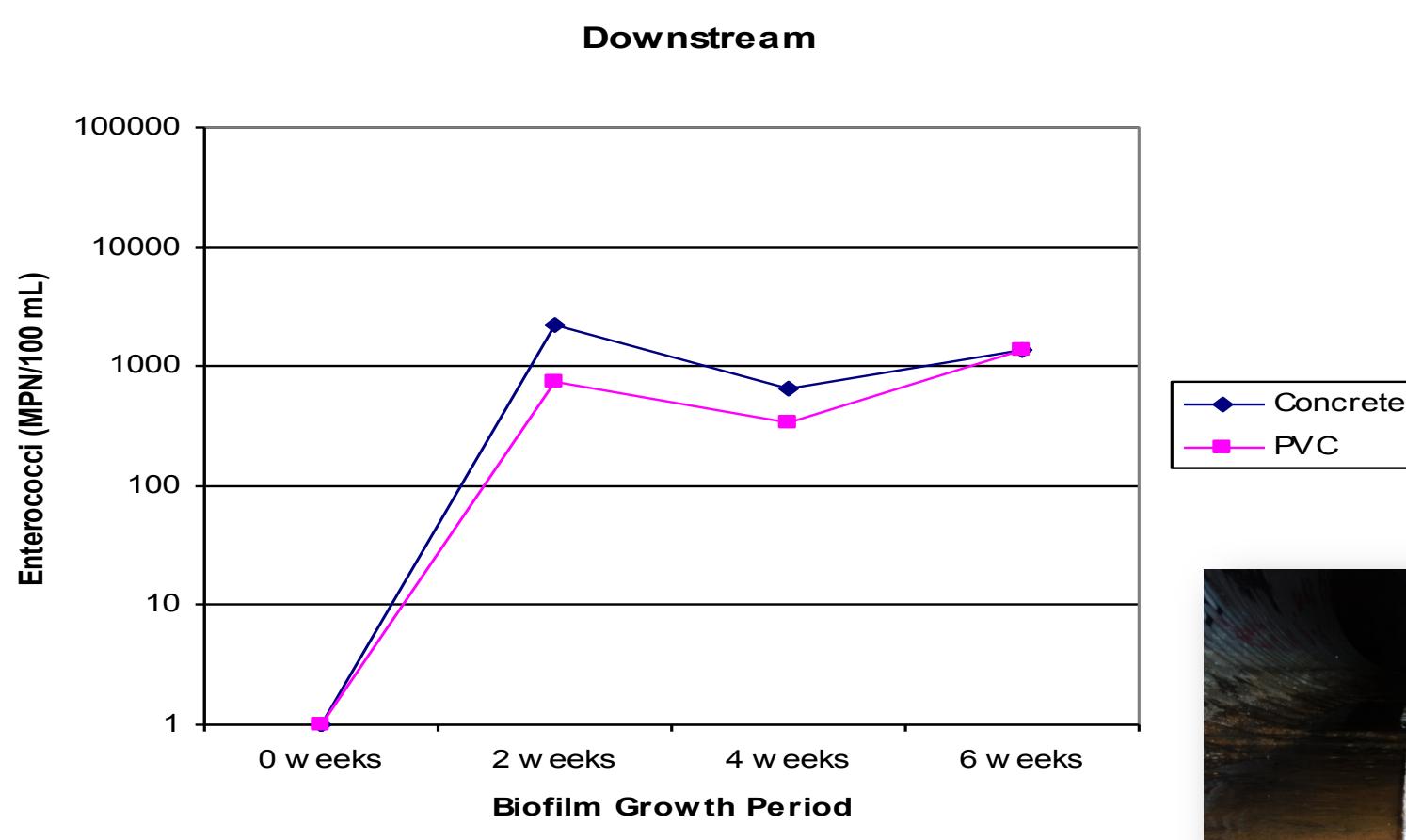
- Section 303(d) listed for fecal coliforms and enterococci throughout the watershed for beneficial uses REC-1 (potential) and REC-2
- Tecolote Creek is part of Bacteria I TMDL
- Unknown sources of bacteria
- Potential for significant environmental sources



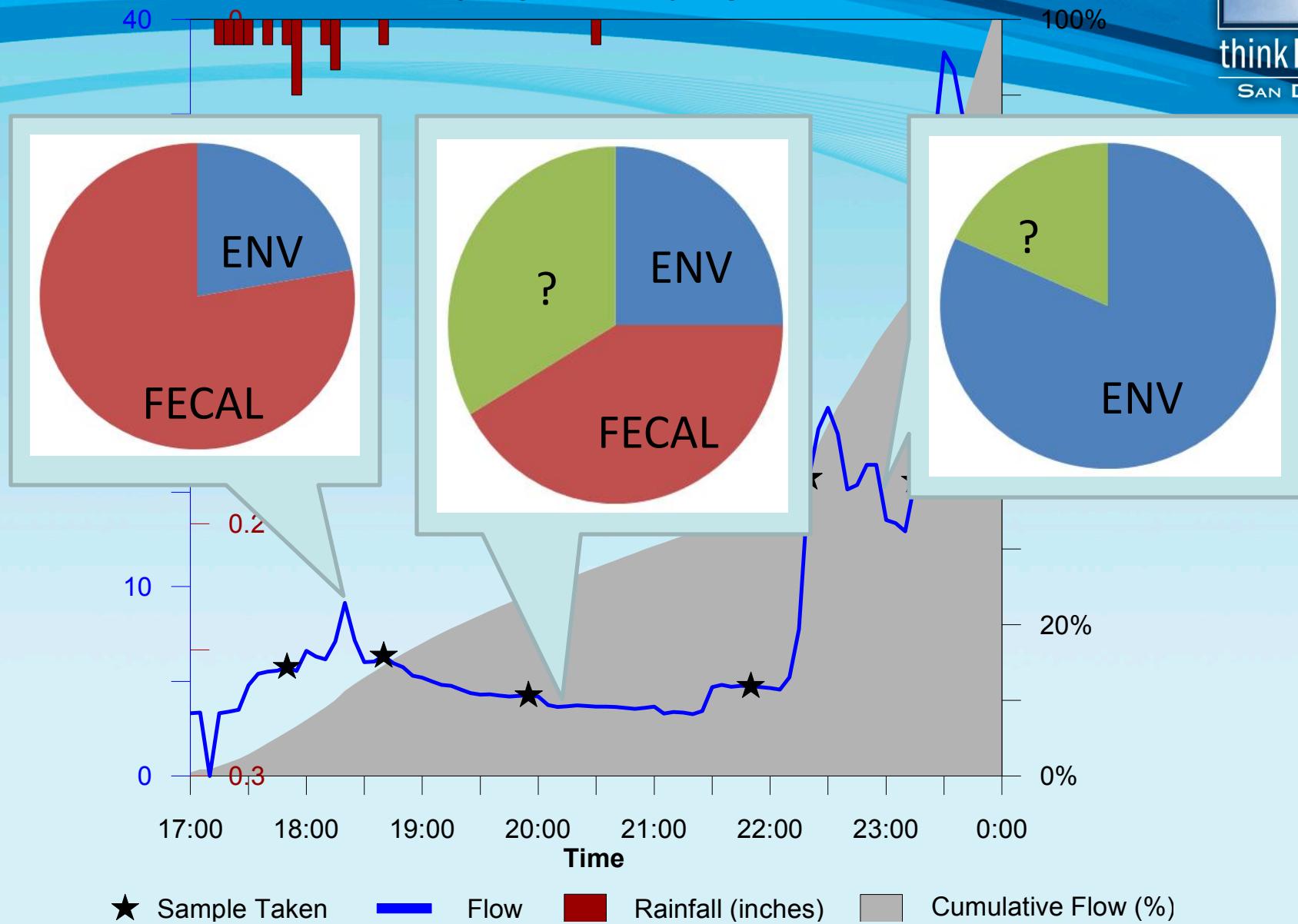
# *Tecolote Creek Bacteria (Dry Weather ) Source ID:*



# Bio-Films



# Tecolote Creek Bacterial Source ID: Species Composition during Storms



# Questions



think **BLUE**  
SAN DIEGO