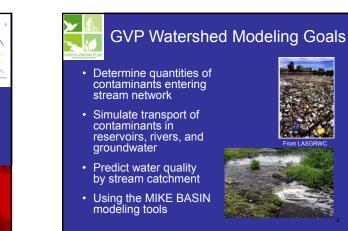
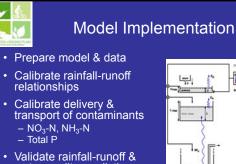


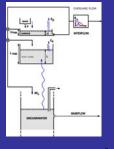
Regional Water Quality Control Board 11 August 2009

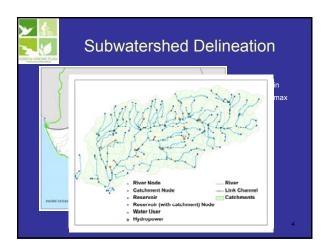






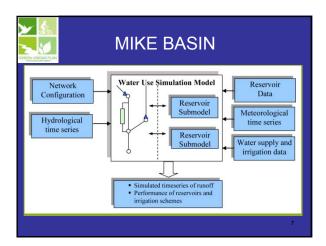
Validate rainfall-runoff & water quality predictions
Generate final results

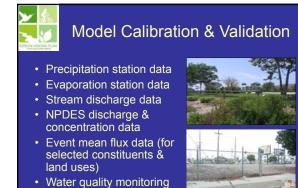








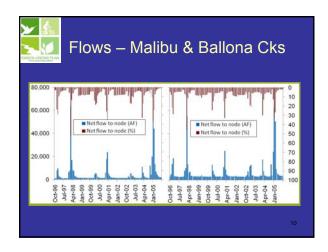




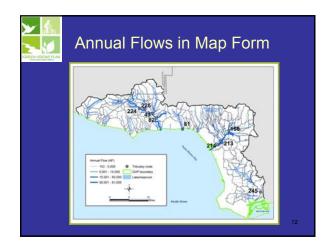
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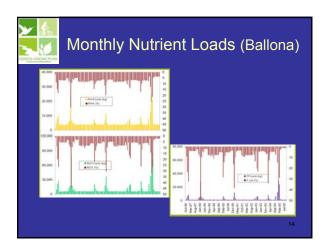




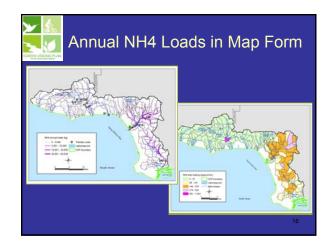
FIOWS	s – Ma	jor Tribı	utaries	
VERONS PLAN		,		
Reach name	Node ID	Annual Q [AF]	Ocean Q (%)	Area (%
Upper Ballona Creek	N156	48,132	29.8	13.6
Sepulveda Channel	N213	13,278	8.2	9.4
Ballona Creek	N214	78,115	48.4	40.7
Potrero Canyon Creek	N224	22,599	14.0	12,0
Medea Creek	N225	10,328	6.4	7.9
Dominguez Channel	N245	12,770	7.9	22.0
Las Virgenes Creek	N49	9,914	6.1	7.7
Topanga Canyon	N81	9,508	5.9	6.3
Malibu Creek	N82	60,977	37.8	31.0

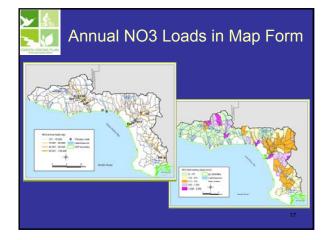


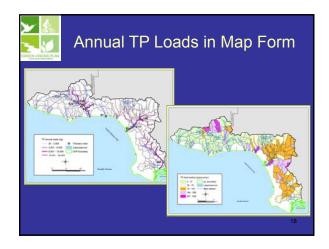
	Runoff Re				
VISIONS PLAN					
al-Read Reads					
Present Factor Langer	Table 9 General calibration performance (Aqua Terra C	onsolution to			
Name of Concession, Name of Street, or other		% difference be			
Decision and local division of the Decision for watching to the Decision of the standard sectors and the Decision of the Standard sectors and the Decision of the Standard sectors and Decision of the Standard sectors a		Very good	Goal	Fair	Bar
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	Tand of the highest 10% down Tand of the lowest XFG down		42.00		879.30
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-	Summer flow volume (months 7-0)		34.21		45.36
-			1281,288		113.78
	Water flow volume (seconds 1-2) Sectors flow volume (seconds 1-6)		242.29		796.55
	Even Gradeed Charteel	_	Front Statistics		Assessment
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	Name in 1971 Second States		10,00		Per .
	Volume and Cold		14.37		100
	Waters and - Wined	100	411		Visi pad
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Nh.	itric	ents ·	N A	aior	Trih	uta	rice	
h. Laster	illie	ins.	- IVI	ajui		ulai	162	
VISIONS PLAN								
Reach Name	Node ID	NH4(kg)	NH4 % to ocean	NO3 (kg)	NO3 % to ocean	TP (kg)	TP % to ocean	Are (%
Upper Ballona Creek	N156	27,165	30.3	38,244	11.7	10,692	13.7	13/
Sepulveda Channel	N213	6,801	7.6	16,014	4.9	4,474	5.7	9.4
Ballona Creek	N214	56,897	63.6	107,501	32.8	29,234	37.5	40.
Triunfo Creek	N224	0.0	0.0	34,538	10,5	7,139	9.1	12/
Medea Creek	N225	0.0	0.0	64,979	19.8	13,377	17.1	7.5
Dominguez Channel	N245	25,991	29.0	72,099	22.0	19,029	24.4	22
Las Virgenes Creek	N49	0	0.0	21,164	6.5	4,373	5.6	7.7
Topanga Canyon	N81	0	0.0	10,988	3.4	2,312	3.0	6.3
Malibu Creek	N82	6,640	7.4	136,877	41.8	27,467	35.2	31.





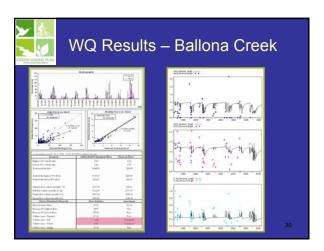




## Water Quality Results

## Table 11 Summary of modeled and observed water quality at selected sites

Sites		NH4 [mg/l]	NO3 [mg/l]	Total P [mg/l]
	Modeled	0.69	1.17	0.30
501 Ballona Creek	Observed	0.38	0.84	0.31
	Error (%)	81.6	39.3	-3.2
S02 Malibu Creek	Modeled	0.23	4.47	0.91
	Observed	0.11	3.10	0.62
	Error (%)	109.1	44.2	46.8





- Santa Monica Bay – 145 streams & tributaries
- Calleguas Creek – 145 tributaries (subwatersheds)
- Los Angeles River - 171 tributaries (from 1,783 at outset)
- San Gabriel River – 216 tributaries
- Santa Clara River
   146 tributaries

