

Estero de Miraflores
Sedimentation

RESERVOIR SEDIMENTATION
DATA SUMMARY

Englehart Pond

71-23

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER Englehart			2. RIVER Marsh Creek			3. STATE California								
	4. SEC. 3 TWP. 1S RANGE 1E			5. NEAREST TOWN Near Brentwood			6. COUNTY Contra Costa								
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV.								
RESERVOIR	10. STORAGE ALLOCATION	11. ELEVATION TOP OF POOL	12. SURFACE AREA ACRES	13. STORAGE ACRE- FEET	14. ACCUMULATED ACRE- FEET	15. DATE STORAGE BEGAN									
	a. FLOOD CONTROL					1945									
	b. POWER														
	c. WATER SUPPLY		0.26	1.34	1.34	16. DATE NORMAL OPER. BEGAN									
	d. IRRIGATION														
	e. CONSERVATION														
	f. INACTIVE					1945									
17. LENGTH OF RESERVOIR			MILES			17. AV. WIDTH OF RESERVOIR			MILES						
WATERSHED	18. TOTAL DRAINAGE AREA			.033			22. MEAN ANNUAL PRECIPITATION			19 INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA			.033			23. MEAN ANNUAL RUNOFF			INCHES					
	20. LENGTH		MILES		20. AV. WIDTH		MILES		24. MEAN ANNUAL RUNOFF			AC.-FT.			
	21. MAX. ELEV.			MIN. ELEV.			25. CLIMATIC CLASSIFICATION						Semi-arid		
	26. DATE OF SURVEY		27. PERIOD YEARS		28. ACCL. YEARS		29. TYPE OF SURVEY		30. NO. OF RANGES OR CONTOUR INT.		31. SURFACE AREA ACRES		32. CAPACITY ACRE- FEET		33. C/W RATIO AC.-FT. PER SQ. MI.
1945		-		-		-		-		0.26		1.34		40.6	
1/6/53		7		7		Range Detailed		2		0.26		1.32		40.0	
SURVEY DATA	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW ACRE- FEET				36. WATER INFL. TO DATE AG.-FT.						
					a. MEAN ANNUAL		b. MAX. ANNUAL		c. PERIOD TOTAL		d. MEAN ANNUAL		e. TOTAL TO DATE		
	26. DATE OF SURVEY		37. PERIOD SEDIMENT DEPOSITS ACRE- FEET			38. TOTAL SED. DEPOSITS TO DATE ACRE- FEET.									
			a. PERIOD TOTAL		b. AV. ANNUAL		c. PER SQ. MI.-YEAR		d. TOTAL TO DATE		e. AV. ANNUAL		f. PER SQ. MI.-YEAR		
	1/6/53		0.0203		0.0029		0.088		0.0203		0.0029		0.088		
	26. DATE OF SURVEY		39. AV. DRY WGT. LBS. PER CU. FT.		40. SED. DEP. TONS PER SQ. MI.-YR.		41. STORAGE LOSS PCT.		42. SED. INFLOW PPM						
			a. PERIOD		b. TOTAL TO DATE		a. AV. ANNUAL		b. TOT. TO DATE		a. PERIOD		b. TOT. TO DATE		
	1/6/53		60*		115		115		0.22		1.53		-		

*Estimated

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION													
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION													

26. DATE OF SURVEY	44. REACH DESIGNATION PERCENT OF TOTAL ORIGINAL LENGTH OF RESERVOIR														
	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	-105	-110	-115	-120	-125
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION														

45. RANGE IN RESERVOIR OPERATION							
WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW AC.-FT.	WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW AC.-FT.

46. ELEVATION-AREA-CAPACITY DATA								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY

47. REMARKS AND REFERENCES

Ref: Marsh Creek and Kellogg Creek Watershed Program, 1954, unpublished

48. AGENCY SUPPLYING DATA SCS, Portland, Oregon 49. DATE Nov. 15, 1954