

March 20, 1969

MATILIJA DAM RESERVOIR
Silt Accumulation Data



HYD000000075

SURVEY OF *Matilija Dam*

MAP KEY *G-16*

CHIEF OF PARTY

DATE

MATILIJIA DAM

Silt Elev. in Bottom Lake
Align in F.B. 950

Ref. F.B. 950-1101-1163

Drawing # 1400-18-H-3-3

Datum Sea Level
From 955 USGS. Elev. 958.902

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE ON
CIRCLES IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DATE 5-16-67

DATE

CHECKED BY *J. E. W.*

BY

CHIEF OF PARTY

DATE

Sub Index

Pages	Location - Description
3 & 4	Silt Line # 0
5 & 6	Silt Line # 1
7 & 8	Silt Line # 2

3 & 4

Silt Line # 0

5 & 6

Silt Line # 1

7 & 8

Silt Line # 2

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DATE

CHECKED BY INDEX BY

Survey of Matilija Dam Silt Line "O" MAP KEY

CHIEF OF PARTY

DATE

Sta.	Water Level						
	1084.9						
	Bottom Lake Elev.						
	5-5-67						
	B-Abel						
2+75	10 17.7						
3~	10 14.2						
+17	10 13.1						
+25	10 15.3						
+50	10 20.7						
+75	10 19.2						
4~	10 20.4						
+25	10 19.8						
+50	10 19.3						
+75	10 18.4						
5~	10 18.4						
+25	10 18.4						
+50	10 18.7						
+59	10 29.2						
+75	10 34.7						
6~	10 51.6						

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

CHECKED BY _____ DATE _____
INDEXED BY _____

SURVEY OF

MAP KEY

PAGE NO. 5

CHIEF OF PARTY

DATE

SILT CONTROL LINE #2

Align FB. 950 P. 51

BM. 1127.11 TOP 3/4" PIPE flush with Pavement FB 1101 P. 1

F.B. 1163 P. 47

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE & CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

	water level						
Sta.	Bottom Lake Elev.						
0+17							
+40	1127.11						
+43	1127.3						
+46	1125.1						
+58	1123.8						
+61	1123.3						
+72	1117.4						
+77.5	1113.5						
+82	1111.7						
1+02	1106.7						
+32	1090.4						
A-447							

DATE

DATE

CHECKED BY

INDICATED BY

SURVEY OF *Matilija Dam Silt Line*

MAP KEY

CHIEF OF PARTY

DATE

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE ON CIRCLES IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Sta.	water Level						
	1085.0						
	Bottom Lake Elev.						
	5-5-67						
	B. Abel						
<i>1+37</i>	<i>TOP of pipe</i> <i>1088.04</i>						
<i>+55</i>	<i>1085.0</i>						
<i>+71</i>	<i>1076.5</i>						
<i>2+45</i>	<i>1020.2</i>						
<i>+90</i>	<i>1016.6</i>						
<i>3~</i>	<i>1016.3</i>						
<i>+05</i>	<i>1016.5</i>						
<i>+50</i>	<i>1016.9</i>						
<i>+85</i>	<i>1017.0</i>						
<i>4~</i>	<i>1017.0</i>						
<i>+30</i>	<i>1017.9</i>						
<i>+50</i>	<i>1018.2</i>						
<i>+85</i>	<i>1020.4</i>						
<i>+50</i>	<i>1037.2</i>						
<i>6~</i>	<i>1053.6</i>						
<i>+50</i>	<i>1085.7</i>						

A-4476+66

DATE

DATE

INDEXED BY

CHIEF OF PARTY

DATE

SILT CONTROL LINE #2

Align F.B. 950 P. 36

TBM 108804 TOP 3/4" PIPE @ Sta. 1+37 on Silt Line #1 page

TR 1087.15

TBM Set Elev. 1088.60 on 3/4" pipe on Silt Line #2 @ 1+21.8
1964 Profile in F.B. 1168 P. 50

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

STA.	Water Level						
	10750						
	Battlement Lake Elev.						
	5-9-67						
	B. Abel						
0+00							
+957	TOP 3/4" PIPE 1088.60						
1+44	1071.1						
2~	1061.1						
+61	1049.2						
+82	1032.7						
3~	1028.5						
+50	1026.7						
+94	1022.8						
+104	1021.0						
+41	1020.8						
+60	1020.3						
+98	1020.4						
A-447							

DATE

DATE

INDICED BY

CHIEF OF PARTY

DATE

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE IN RED INK. WITH DATE AND NAME OF PERSON MAKING CHANGE.

	Water Level 10 75.0						
Sta.	Bottom Lake Elev 5-9-67 B. Abel						
5~	10 20.5						
+12	10 20.6						
+74	10 21.2						
6~	10 21.3						
+78	10 20.8						
7~	10 21.1						
+24	10 22.1						
+92	10 54.2						
8~	10 67.0						
+21	10 87.5						
+57							
+67							
+70							

DATE

DATE

CHECKED BY

INDICATED BY

SURVEY OF Matilija Dam

MAP KEY G16

PAGE NO. 9

CHIEF OF PARTY G. Graham

DATE March 12th 1969

MATILIJA DAM

Silt Data Bottom Of Lake
1969 (after FEB. FLOOD.)

Align F.B. 950 at this F.B. refs.

Ref.
F.B.^s
950, 951, 952
982, 1101, 1163
Map. H-3-3a1

March 12th 1969
G.G. EF.
D.C. H.S.
G.P. M.R.
D.F. A.E.
I.O.

Project No 4118

F.S. No 5999

Bm Datum: USCGS 955 = EL: 959.414 (1943 publication).
water elev from gauging sta

Inst. Transit Berger No 31143
Level UNECO.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR
CIRCLED IN RED INK. WITH DATE AND NAME OF PERSON MAKING CHANGE.

DATE 2.24.69
DATE 4/16/69

CHECKED BY
INDEX BY

SURVEY OF MATILITA DAM

MAP KEY G-16

PAGE NO. 10

CHIEF OF PARTY E. Fernandez

DATE MARCH 1939

Sub - Index

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

PAGE

SILT CONTROL LINE No. 0	11
" " " No. 1	12-13
" " " No. 2	14-16
" " " No. 3	17-19
" " " No. 4	20-22
" " " No. 5	23-26
" " " No. 6	27-30

DATE
DATE

CHECKED BY
INITIATED BY

SURVEY OF Matilija Dam Silt Line 0

MAP KEY

PAGE NO. 11

CHIEF OF PARTY

E. Fernandez

DATE April 8th 69

Silt Control Line No "0"

NOT DONE IN MARCH 69 because of overflow

Align F.B. 1101 pg 25

Water Elev. determined from Gauging Station

Water Elev 1088.2 @ 2:00 P.M.

March -8 1969

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIP'ED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Sta	Tape Sounding	Elev Bottom Lake	Sta	Tape Sounding	Elev Bottom Lake
0+00			3+50	41.5	1046.7
+07	Edge of Water.		+75	42.6	1045.6
+25	5.7	1082.5	4~	44.4	1043.6
+50	22.4	1065.8	+25	42.6	1045.6
+75	31.5	1056.7	+50	45.5	1042.7
1~	43.1	1045.1	+75	48.0	1040.2
+25	46.2	1042.0	5~	52.0	1036.2
+50	49.9	1038.3	+25	49.9	1038.3
+75	49.6	1038.6	+50	49.3	1038.9
2~	48.2	1040.0	+75	47.6	1040.6
+25	50.7	1037.5	6~	Edge of Water.	
+50	50.0	1038.2			
+75	49.4	1038.8			
3~	48.5	1039.7			
+25	47.5	1040.7			

A-447

DATE

CHECKED BY

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

7+78⁶²

Note Ref. F.B. 950 pg 51

Rd Hd in Stump root
Ref F.B. 950 pg 51

7+43⁵

Guard post
Fd 1" steel pin per FB 950 p 51
1163 pg 9

7+26⁶¹

Fd Bolt

6+75⁷²

set 3/4" I.P. with guard post

7.6 Edge water

Red & white target No. 11

Silt Line No. 1

23° 08' - 20"

1+18¹⁰

set 5/8" square head bolt

R.P. set conc. nail in large boulder painted "Red"

set nail top slope

0+63²¹

R.P. set nail in ctr of stub (cut off) power Pole

0+40⁰⁰

9.55 Fd 3/4" I.D. I.P. flush in parmit. Per F.B 950 pg 51

* Heavy slide tore out most of Embankment & Hillside 1969.

boulder gone or covered up with slide

0+00 A-447

DATE 3.24

DATE

W

CHECKED BY

EXED BY

Silt Control Line No. 1
Align. This F.B. pg 12 & F.B. 950 pg 51

Water Elev 1095.5 @ 10 AM March 14, 1968

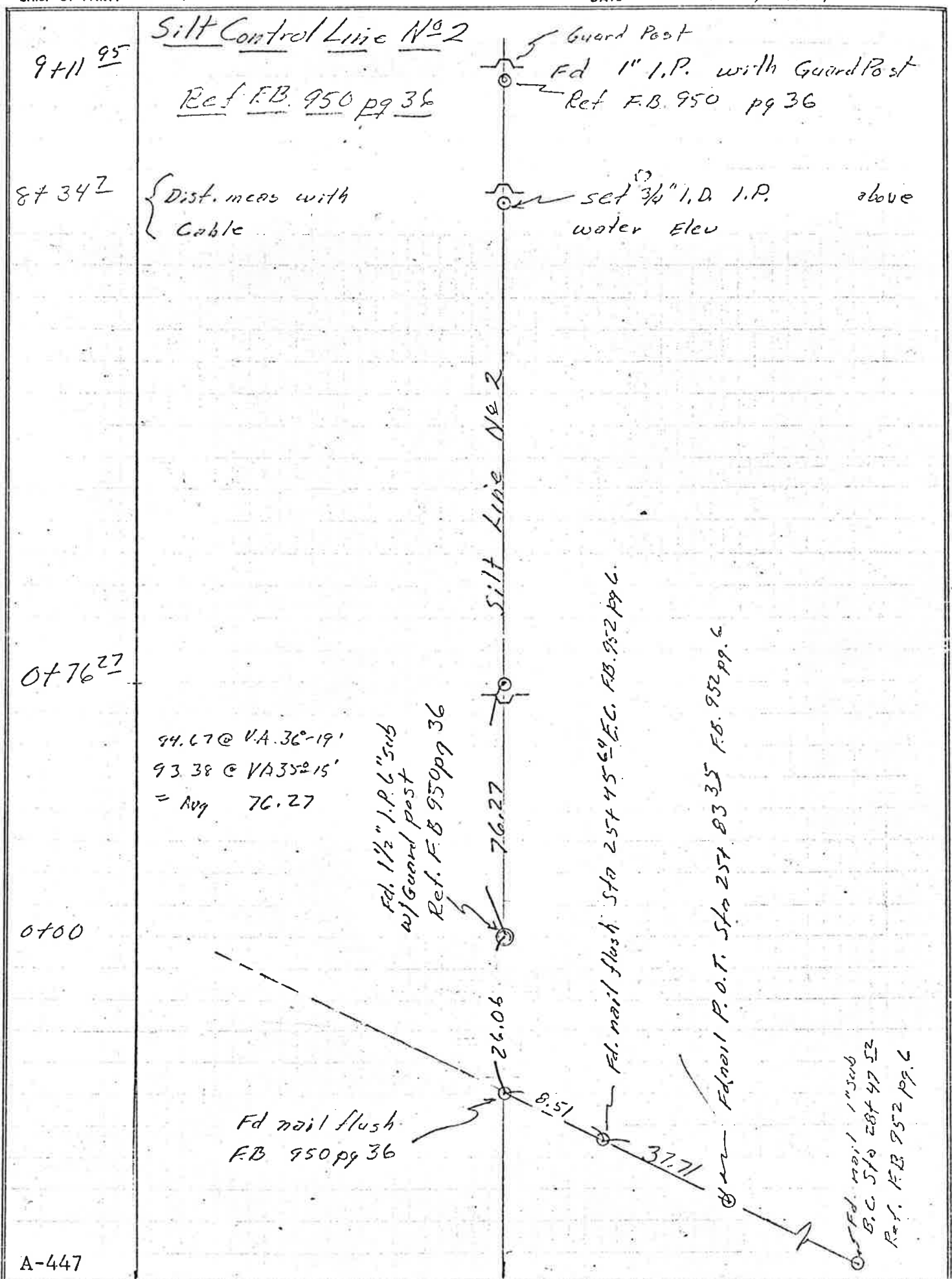
Sta	water depth	Elev Bottom Lake	Sta	water depth	Elev Bottom Lake
0+40 Pipe			3+50	64.0	1031.5
0+63 ² Nail			3+85	58.6	1036.9
1+02			4 ✓	59.2	1036.3
1+18 ¹⁰ 5/8" bolt			+30	58.3	1037.2
1+21 ² Edge water	0.0	1095.5	+50	58.2	1037.3
+32	4.9	1090.6	+85	57.5	1038.0
+55	9.8	1085.7	5 ✓	57.7	1037.8
+71	20.8	1074.7	+50	53.6	1041.9
+80	27.0	1068.5	6 ✓	41.8	1053.7
+95	34.8	1060.7	+50	9.0	1086.5
2+11	50.3	1045.2	6+68 ² Edge water	0.0	1095.5
+45	57.0	1038.5	7+26 ⁶ bolt		
2+90	57.6	1037.9	7+43 ² 1" steel pin		
3 ✓	57.4	1038.1			
+05	57.8	1037.7	7		

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DATE 3 24
DATE

CHECKED BY
XED BY

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9+11 ⁹⁵

Silt Control Line No. 2

Ref. F.B. 950 pg 36

Guard Post
 Fd 1" I.P. with Guard Post
 Ref. F.B. 950 pg 36

8+34²

{ Dist. meas with
 Cable

set ¹³ 3/4" I.D. I.P. above
 water Elev

SILT LINE No. 2

0+76²⁷

94.67 @ V.A. 36-19'
 93.38 @ VA 35-15'
 = Avg 76.27

Fd. 1 1/2" I.P. 6" sub
 w/ Guard post
 Ref. F.B. 950 pg 36

76.27

Fd. nail flush Sta 25+45.64 E.C. F.B. 952 pg 6.

Fd nail P.O.T. Sta 25+83.35 F.B. 952 pg 6.

0+00

26.06

Fd nail flush
 F.B. 950 pg 36

8.51

37.71

Fd nail 1" sub
 B.C. Sta 28+47.52
 Ref. F.B. 952 pg 6

DATE 024

DATE

CHECKED BY

ED BY

Silt Control Line No. 2
Align F.B. 950 pg 36 this F.B. pg 14

Water Elev 1095.5 @

March 17, 1969

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DATE

CHECKED BY
INDEXED BY

Sta	water Tape Sounding	Elev Bottom Lake	Sta	water Tape Sounding	Elev Bottom Lake
				W.L	1095.5
0+00			3+99	56.7	1038.8
0+32			4+04	56.7	1038.8
0+76 ²¹ P.Pe			+41	57.0	1038.5
0+80 ³ Edge water	0.0	1095.5	+60	57.8	1037.7
0+83	1.6	1093.9	+98	58.2	1037.3
0+95 ²	7.0	1088.5	5	58.5	1037.0
1+19	17.0	1078.5	+12	57.0	1038.5
1+44	21.0	1074.5	+74	56.3	1039.2
1+55 [±]			+83	55.7	1039.8
1+93	28.1	1067.4	6+00	55.1	1040.4
2	28.7	1066.8	+22	55.2	1040.2
2+28 ¹⁰	32.8	1062.7	+26	57.0	1038.5
2+61	44.8	1050.7	+78	55.0	1040.5
+82	52.9	1042.6	+87	55.0	1040.5
3	54.9	1040.6	+93	54.7	1040.8
+01	54.9	1040.6	7	55.0	1040.5
+50	55.6	1039.9			
A-447 3+99	56.0	1039.5			

Log Jam
Depth taken with 25' Rod

SURVEY OF Matilija Dam (silt line #2

MAP KEY G 16

PAGE NO. 16

CHIEF OF PARTY G. Graham

DATE March

17 169

Silt Control Line No 2
Align F.B. 950 pg. 36

Sheet 2 of 2

Water Elev.

Sta	water Tape Sounding	Elev Bottom Lake	Sta	water Tape Sounding	Elev Bottom Lake
7+24	w.l 54.8	(1095.5) 1040.7			
+34	54.8	1040.7			
+92	40.6	1054.9			
8+00	28.7	1066.8			
+21	6.6	1058.9			
+27	Edge of water	0.0			
+56	Pipe 34.2				
+57					
+60					
+67					
+70					
+73 ⁹¹					

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DATE

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ED BY

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR
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12+01.45

SFD. 1 1/4" I.P. & GUARD POST @ STA
12+01.45 FB. 950 Pg. 47

11+28

SILT CONTROL LINE No. 3
12+01.45 FB. 950 Pg. 47

MATILIJIA

LAKE

0+95.96

51+00

SET 3/4" I.P. & GUARD POST

0+00

FD. 1/2" I.P. 12" SUB STA 0+00
FB. 950 Pg. 47

118°32'30" FB. 950 Pg. 47

45.52

SRD IN P.P. # 1649247E
3' ABOVE GROUND

5/8" ϕ FLUSH MARK
PI. 43+28.23 MATILIJIA
ROAD FB. 950 Pg. 47

ROAD TO
BOAT SPIKE IN
ROCK LEDGE

A-447

CHECKED BY
INDEXED BY

DATE
DATE

3. 24

SILT CONTROL LINE NO. 3
Align. This F.B. pg. 17 & F.B. 950 pg. 47

WATER ELEVATION 1095.5 @ 11:00 AM MARCH 19, 1969

STA	TAPE SOUNDING	ELEV. BOTTOM LAKE	STA	TAPE SOUNDING	ELEV. BOTTOM LAKE
0+00			5+37	36.1	1059.4
+03			6+01	35.7	1059.8
+75			+29	35.7	1059.8
+80.5			7~	36.0	1059.5
+96	Set 3/4 I.P. (0+95.5 ⁹⁶ p 17)		+20	36.0	1059.5
1~	Edge of H ² O	0.0	+32	35.8	1059.7
1+68	38.5	1057.0	8~	35.6	1059.9
+81	38.6	1056.9	+60	36.6	1058.9
2+37	35.6	1059.9	+84	36.9	1058.6
+53	35.3	1060.2	9~	36.8	1058.7
+74	35.2	1060.3	+21	37.2	1058.3
3+47	35.5	1060.0	+54	37.3	1058.2
4+26	34.1	1061.4	+58	37.2	1058.3
4+62	34.9	1060.6	10~	35.0	1060.5
+98	36.0	1059.5	+23	31.0	1064.5

A-447

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR
CIP IN RED INK WITH DATE AND NAME OF PERSON MAKING CHANGE.

DATE
DATE

CHECKED BY
INITIALED BY

SILT CONTROL LINE No. 3
Align This FB pg. 1 F.B. 950 pg. 47

WATER ELEVATION 1095.5 @ 11:00 AM. MARCH 19, 1969

STA	TAPE	ELEV. BOTTOM	SOUNDING LAKE				
10+48	22.5	1073.0					
+80	16.4	1075.9					
+96	14.0	1081.5					
11+28 Edge H ² O	0.0	1095.5					

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CORRECTED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DATE

DATE

CHECKED BY

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NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR
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7+4629

5" x 3/4" Iron Pipe & Guard Post.
Per F.B. 950 pg. 55

MATILITA LAKE

MATILITA

SILT CONTROL LINE NO. 4
7+4629 F.B. 950 pg. 55

CREEK

DATE
DATE

CHECKED BY
CHECKED BY

0+00

5" x 3/4" Pin 12" Sub E
Metal Guard Post STA 0+00
F.B. 950 pg. 55

MATILITA ROAD

A-447

SILT CONTROL LINE No. 4

Align This F.B. pg. 20 & F.B. 950 pg. 55

BM Elev. 1141.13 Top 3/4 iron rod @ Sta 0+00 F.B. 950 pg. 56, F.B. 1101 pg.

WATER ELEVATION 1095.5 @ 11:00 AM MARCH 20, 1969

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR
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DATE

CHECKED BY
INDEXED BY

STA	TAPE SOUNDING	Ground Elevation		STA.	TAPE SOUNDING	Ground Elevation
0+00		AVERAGE GR. 1142.9		3~		1097.2
+10		1138.9		+17	Edge stream	1096.4
+12				+31		1095.3
+18.5		1130.2		+47		1094.9
+32		1129.5		+56		1094.8
+45		1129.5		+69	Edge of stream	1094.1
+72		1114.2		+83		1097.3
+83		1112.0		+88	Edge of stream	1096.4
+96.5		1113.0		+93		1095.6
1+32		1111.6		+99		1095.3
+95		1112.5		+10	Edge of stream	1096.5
+96		1106.3		+14		1097.0
2+29		1104.0		+45		1098.7
+67		1099.5		+64		1098.7
+81		1097.9		+73		1095.4
A-447						

SILT CONTROL LINE No. 4

Align this F.B. pg. 20 of F.B. 950 pg. 55

B.M. Elev. 1141.13 Top 3/4" iron rod @ Sta. 0+00 F.B. 950 pg. 56 F.B. 1101 pg. 61

WATER ELEVATION 1095.5 @ 11:00 AM MARCH 20 1969

STA	TAPE SOUNDING	Ground ELEV.	STA	TAPE SOUNDING	Ground ELEV.
5+13.75		1097.2			
+77.5	Edge of stream	1095.5			
+89		1094.9			
6+00.5	Edge of stream	1095.5			
+126		1096.0			
+129.5	Edge of Line ^{0.0}	1095.5			
+162		1085.5			
+93.5	Edge of LAKE ^{0.0}	1095.5			
7+34	Top of Shale Bank				

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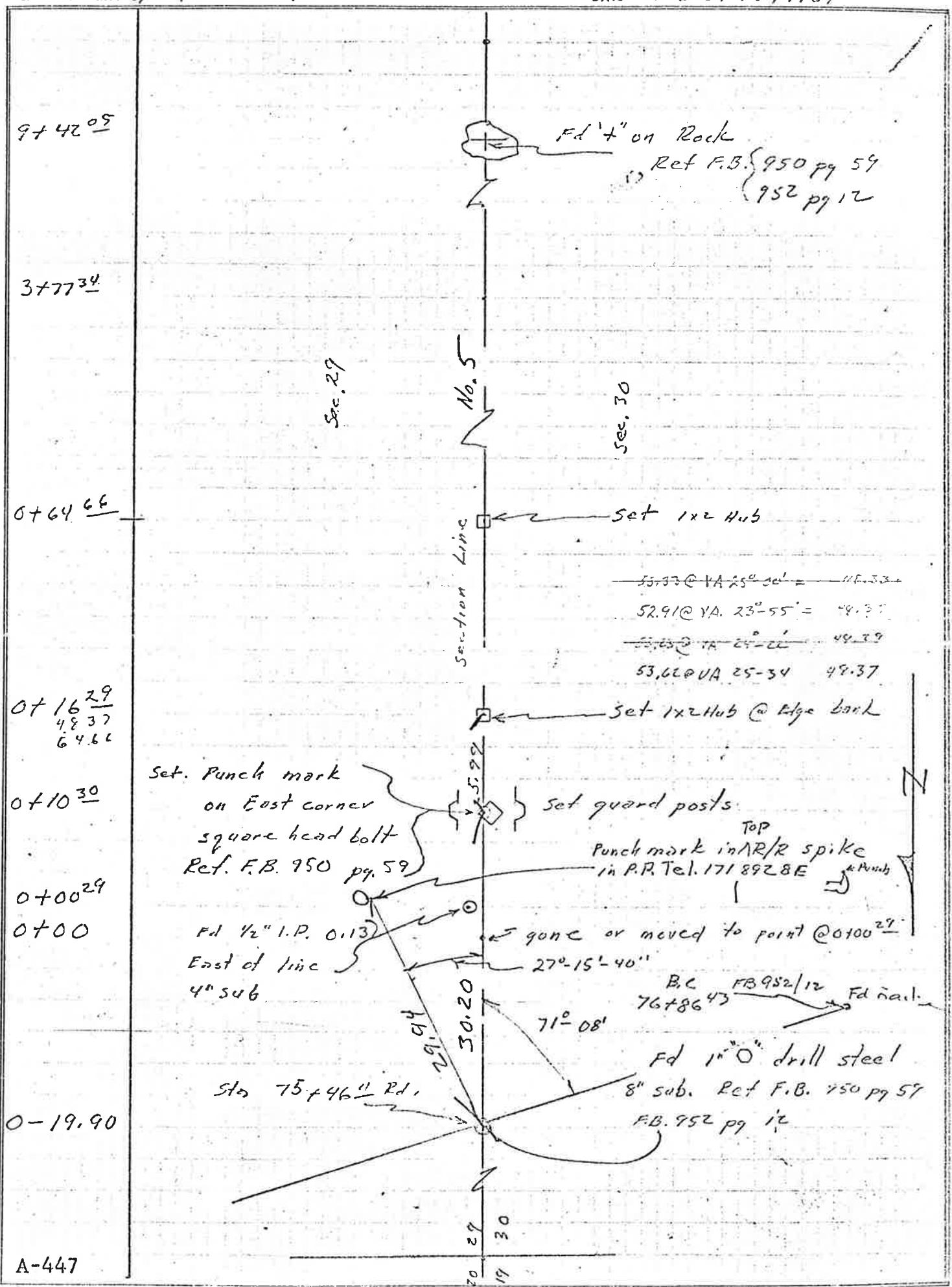
DATE
 DATE

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DATE
 DATE

CHECKED BY
 INDEXED BY



9+42.05

3+77.34

0+64.66

0+16.29
4.837
64.66

0+10.30

0+00.29

0+00

0-19.90

A-447

Sec. 29

No. 5

Sec. 30

Section Line

Fd 1/2" on Rock

Ref F.B. 950 pg 59
952 pg 12

Set 1x2 Hub

Set 1x2 Hub @ Edge bank

Set. Punch mark on East corner square head bolt Ref. F.B. 950 pg. 59

Set guard posts

TOP Punch mark in AR/R spike in P.R. Tel. 171 892 8 E

Fd 1/2" I.P. 0.113 East of line 4" sub

gone or moved to point @ 0+100.29
27°-15'-40"

B.C. FB 952/12 76+86 43 Fd nail

Fd 1" O" drill steel 8" sub. Ref F.B. 950 pg 59 F.B. 952 pg 12

Sta 75+46.11 Rd. 1

30.20

71°-08'

20 29 30
19

SURVEY OF MOTILILJA DAM (Silt Line No. 5) MAP KEY

G-16

PAGE NO. 24

CHIEF OF PARTY E. FERNANDEZ

DATE 3-20-69

SILT CONTROL LINE NO. 5

Align This F.B. pg. 23 & F.B. 950 pg. 59

BM Elev. 1141.21^{set} RR Spike in PP 1718928E 145 Lt. Sta. 0+05
Elevation from BM @ Silt Control Line No 6 F.B. 1101 pg. 69 & F.B. 1163 pg. 68

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DATE 3.24
DATE

CHECKED BY
XED BY

STA	ELEV.	
- 0+19.9	1140.61	& Motilija Road.
0+00	1140.3	ground
+10.3	1140.2	ground
+16.3	1140.6	Top Bank
+46.1	1124.2	Bottom Bank
+76	1116.2	
+80	1114.7	
+89.5	1112.5	
1+02	1110.3	
+12.5	1109.0	
+32	1107.8	
+39	1106.5	
+62.5	1108.2	
+90	1108.8	
2+03	1107.9	

A-447

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DATE

DATE

CHECKED BY

CHECKED BY

STA	Elev.	
2+42	1106.7	
+50	1107.3	
+77.5	1105.9	Edge of Stream
3+08	1104.4	
3+51	1106.0	Edge of stream
+80	1106.8	
4+10	1108.6	
+52	1108.0	
5+09	1107.2	
+50	1109.3	
+80	1109.4	
6 ~	1108.5	
+36	1108.8	
+80	1107.5	
+93	1107.4	
7+06	1109.3	
+52 A-447	1108.1	

CHIEF OF PARTY

DATE 3-20-69

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR
CORRECTED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DATE 3.24.
DATE

CHECKED BY
CHECKED BY

STA

ELEV

7+59

1108.6

+80

1107.9

+83

1107.6

+87.5

1105.4

8~

1105.2

+305

1106.5

+54

1108.0

Tcc. Bank

+64

1113.0

ground Elev. Same as F.B. 1163 pg. 46

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR
CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DATE 3.24

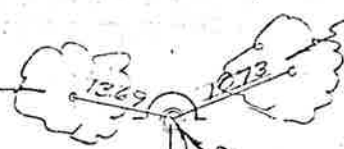
DATE

CHECKED BY

DATE

10+40.54

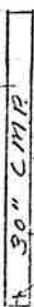
RD. HD. IN LG



Fd 3/4" Iron Pin & Guard POST
Per F.B. 950 pg. 63

SILT CONTROL LINE NO. 6
1040.54 F.B. 950 pg. 63

0+100



MATILIJADAM

22.14

Fd 1/2" Iron Pipe IN CTR.
MATILIJADAM ROAD 6" SUB
Per F.B. 950 pg. 63
ROAD

32.22

3/4" IP IN SHALE CUT
BANK

A-447

SILT CONTROL LINE No. 6

Align this F.B. pg 27 & F.B. 950 pg. 63

BM ELEVATION 1135.07 Top 1/2 Iron Pipe STA 0+00
 F.B. 1101 pg. 69 & F.B. 1163 pg. 68

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR
 ED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DATE

DATE

CHECKED BY

CHECKED BY

STA	ELEV.	
0+00	1135.44	Sta. Matilija Road.
+18 E	1135.0	Top Bank
+31	1127.8	
+36 E	1126.9	
+38 E	1121.8	Bottom Bank
+50	1121.8	
+64	1122.3	
+74	1123.2	
+98	1123.0	
1 ~	1121.7	
+10	1122.4	
+22	1122.3	
+30	1122.2	
+53	1121.3	
2 ~	1119.3	
+21 A-447	1122.3	

SURVEY OF *MATILDA DRIVE (S.H. Line 166)* MAP KEY

6-16

PAGE NO. *29*

CHIEF OF PARTY *E. Fernandez*

DATE *3-20-69*

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR
CORRECTED IN RED INK. WITH DATE AND NAME OF PERSON MAKING CHANGE.

DATE *3-24*

DATE

CHECKED BY

INITIALED BY

<i>2+30</i>	<i>1122.3</i>	
<i>+60</i>	<i>1122.4</i>	
<i>3 ~</i>	<i>1122.4</i>	
<i>+15</i>	<i>1122.4</i>	
<i>+31</i>	<i>1119.8</i>	
<i>+57</i>	<i>1118.2</i>	
<i>+78</i>	<i>1117.1</i>	<i>Edge stream</i>
<i>+86 ±</i>	<i>1116.4</i>	<i>Mid stream</i>
<i>+94</i>	<i>1116.6</i>	<i>Edge stream</i>
<i>+97</i>	<i>1117.9</i>	
<i>4 ~</i>	<i>1117.9</i>	
<i>+27</i>	<i>1117.8</i>	
<i>+5.9</i>	<i>1115.8</i>	<i>Edge stream</i>
<i>+66</i>	<i>1114.3</i>	<i>Mid stream</i>
<i>+73</i>	<i>1115.9</i>	<i>Edge stream</i>
<i>+81</i>	<i>1116.2</i>	
<i>+87</i>	<i>1116.5</i>	<i>Edge stream</i>

A-447

SURVEY OF MATILITA DAM (SH Line No. 6) MAP KEY

G-16

PAGE NO. 30

CHIEF OF PARTY E Fernandez

DATE 3-20-69

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR
CORRECTED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DATE 3.24.

DATE

CHECKED BY

INITIALED BY

STA.	ELEV.	
5 ~	1114.1	Mid Stream
+12	1116.3	Edge Stream
+18	1118.9	
+25	1124.9	Top Bank
+43	1124.9	
+51	1125.3	
+70	1124.9	
+74	1122.0	
6 ~	1123.8	

MATILIJA RESERVOIR CAPACITY
IN ACRE FEET

A/69

ELEV.	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
1040.0	0.	2.	4.	6.	8.	10.	13.	15.	17.	19.
1041.0	21.	23.	25.	27.	29.	31.	34.	36.	38.	40.
1042.0	42.	44.	46.	48.	50.	52.	55.	57.	59.	61.
1043.0	63.	65.	67.	69.	71.	73.	76.	78.	80.	82.
1044.0	84.	86.	88.	90.	92.	94.	97.	99.	101.	103.
1045.0	105.	107.	110.	112.	114.	116.	119.	121.	123.	126.
1046.0	128.	130.	133.	135.	138.	140.	142.	145.	147.	150.
1047.0	152.	155.	157.	160.	162.	165.	168.	170.	173.	175.
1048.0	178.	181.	183.	186.	188.	191.	194.	196.	199.	201.
1049.0	204.	207.	209.	212.	214.	217.	220.	222.	225.	227.
1050.0	230.	233.	236.	239.	242.	244.	247.	250.	253.	256.
1051.0	259.	262.	265.	268.	271.	273.	276.	279.	282.	285.
1052.0	288.	291.	294.	297.	300.	303.	307.	310.	313.	316.
1053.0	319.	322.	325.	328.	331.	334.	338.	341.	344.	347.
1054.0	350.	354.	357.	361.	364.	368.	371.	375.	378.	382.
1055.0	385.	389.	392.	396.	399.	403.	406.	410.	413.	417.
1056.0	420.	424.	427.	431.	434.	438.	441.	445.	448.	452.
1057.0	455.	459.	462.	466.	469.	473.	476.	480.	483.	487.
1058.0	490.	494.	497.	501.	504.	508.	512.	515.	519.	522.
1059.0	526.	530.	533.	537.	541.	544.	548.	552.	556.	559.
1060.0	563.	567.	571.	575.	579.	583.	587.	591.	595.	599.
1061.0	603.	607.	611.	615.	619.	623.	627.	631.	635.	639.
1062.0	643.	647.	651.	655.	659.	663.	667.	671.	675.	679.
1063.0	683.	687.	691.	695.	699.	703.	708.	712.	716.	720.
1064.0	724.	728.	732.	736.	740.	744.	749.	753.	757.	761.
1065.0	765.	769.	773.	777.	781.	785.	790.	794.	798.	802.
1066.0	806.	810.	814.	819.	823.	827.	831.	835.	840.	844.
1067.0	848.	852.	857.	861.	865.	869.	874.	878.	882.	887.
1068.0	891.	895.	900.	904.	909.	913.	917.	922.	926.	931.

1089.0 935. 940. 944. 949. 953. 958. 962. 967. 971. 976.

1070.0 980. 985. 989. 994. 998. 1003. 1008. 1012. 1017. 1021.

1071.0 1026. 1031. 1035. 1040. 1044. 1049. 1054. 1058. 1063. 1067.

1072.0 1072. 1077. 1081. 1086. 1091. 1095. 1100. 1105. 1110. 1114.

1073.0 1119. 1124. 1128. 1133. 1138. 1142. 1147. 1152. 1157. 1161.

1074.0 1166. 1171. 1176. 1181. 1186. 1190. 1195. 1200. 1205. 1210.

1075.0 1215. 1220. 1225. 1229. 1234. 1239. 1244. 1249. 1253. 1258.

1076.0 1263. 1268. 1273. 1278. 1283. 1288. 1293. 1298. 1303. 1308.

1077.0 1313. 1318. 1323. 1328. 1333. 1338. 1343. 1348. 1353. 1358.

1078.0 1363. 1368. 1373. 1378. 1383. 1388. 1393. 1398. 1403. 1408.

1079.0 1413. 1419. 1424. 1430. 1436. 1441. 1447. 1453. 1459. 1464.

1080.0 1470. 1476. 1482. 1487. 1493. 1499. 1505. 1511. 1516. 1522.

1081.0 1528. 1534. 1540. 1545. 1551. 1557. 1563. 1569. 1574. 1580.

1082.0 1586. 1592. 1598. 1604. 1610. 1616. 1623. 1629. 1635. 1641.

1083.0 1647. 1653. 1659. 1665. 1671. 1677. 1684. 1690. 1696. 1702.

1084.0 1708. 1714. 1720. 1727. 1733. 1739. 1745. 1751. 1758. 1764.

1085.0 1770. 1776. 1783. 1789. 1796. 1802. 1808. 1815. 1821. 1828.

1086.0 1834. 1841. 1847. 1854. 1860. 1867. 1873. 1880. 1886. 1893.

1087.0 1899. 1906. 1912. 1919. 1925. 1932. 1938. 1945. 1951. 1958.

1088.0 1964. 1971. 1977. 1984. 1991. 1997. 2004. 2011. 2018. 2024.

1089.0 2031. 2038. 2045. 2052. 2059. 2065. 2072. 2079. 2086. 2093.

1090.0 2100. 2107. 2114. 2121. 2128. 2134. 2141. 2148. 2155. 2162.

1091.0 2169. 2176. 2183. 2190. 2197. 2203. 2210. 2217. 2224. 2231.

1092.0 2238. 2245. 2252. 2259. 2266. 2273. 2280. 2287. 2294. 2301.

1093.0 2308. 2315. 2322. 2329. 2336. 2343. 2350. 2357. 2364. 2371.

1094.0 2378. 2385. 2392. 2400. 2407. 2414. 2421. 2428. 2436. 2443.

1095.0 2450. 2457. 2464. 2472. 2479. 2486. 2493. 2500. 2508. 2515.

1096.0 2522. "

ADJUSTMENTS IN STORAGE

MATILITA DAM

APRIL 1969

by BARNETT

APRIL, 1969

ELEVATION OF SURFACE	OLD STORAGE ACRE FEET	SILT ACRE FEET	NEW STORAGE ACRE FEET
1040		650	000
1045	830	725	105
1050	1032	800	230
1055	1260	875	385
1060	1513	950	563
1065	1790	1025	765
1070	2080	1100	980
1075	2390	1175	1215
1080	2720	1250	1470
1085	3070	1300	1770
1090	3450	1350	2100
1095	3856	1400	2450

THE ABOVE INFORMATION WAS TAKEN FROM A SILT SURVEY MADE BY THE COUNTY OF VENTURA, APRIL, 1969

MARCH 3, 1970

NEW ELEVATION, TOP OF SCREEN, NEW CASING,
AT 48" VALVE, CENTER OF DAM = 1053

**MATILIDA RESERVOIR
ELEVATION-CAPACITY TABLE
ACRE - FEET**

ELEV.	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50			
1065	1797	1798	1799	1800	1801	1802	1803	1804	1805	1806	1807	1808	1809	1810	1811	1812	1813	1814	1815	1816	1817	1818	1819	1820	1821	1822	1823	1824	1825	1826	1827	1828	1829	1830	1831	1832	1833	1834	1835	1836	1837	1838	1839	1840	1841	1842	1843	1844	1845	1846	1847	1848	1849	1850
1065	1797	1798	1799	1800	1801	1802	1803	1804	1805	1806	1807	1808	1809	1810	1811	1812	1813	1814	1815	1816	1817	1818	1819	1820	1821	1822	1823	1824	1825	1826	1827	1828	1829	1830	1831	1832	1833	1834	1835	1836	1837	1838	1839	1840	1841	1842	1843	1844	1845	1846	1847	1848	1849	1850
1065	1797	1798	1799	1800	1801	1802	1803	1804	1805	1806	1807	1808	1809	1810	1811	1812	1813	1814	1815	1816	1817	1818	1819	1820	1821	1822	1823	1824	1825	1826	1827	1828	1829	1830	1831	1832	1833	1834	1835	1836	1837	1838	1839	1840	1841	1842	1843	1844	1845	1846	1847	1848	1849	1850
1065	1797	1798	1799	1800	1801	1802	1803	1804	1805	1806	1807	1808	1809	1810	1811	1812	1813	1814	1815	1816	1817	1818	1819	1820	1821	1822	1823	1824	1825	1826	1827	1828	1829	1830	1831	1832	1833	1834	1835	1836	1837	1838	1839	1840	1841	1842	1843	1844	1845	1846	1847	1848	1849	1850

100 175 350 400

ACRE - FEET

MATILDA RESERVOIR

ELEVATION - AREA TABLE

AREA IN ACRES

ELEV.	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1000	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.23	0.24	0.25	0.26	0.27	0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.40	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.50	0.51	0.52	0.53	0.54	0.55	0.56	0.57	0.58	0.59	0.60	0.61	0.62	0.63	0.64	0.65	0.66	0.67	0.68	0.69	0.70	0.71	0.72	0.73	0.74	0.75	0.76	0.77	0.78	0.79	0.80	0.81	0.82	0.83	0.84	0.85	0.86	0.87	0.88	0.89	0.90	0.91	0.92	0.93	0.94	0.95	0.96	0.97	0.98	0.99	1.00

ADJUSTMENTS IN STORAGE

MATILITA DAM

APRIL 1969

by BARNETT

APRIL, 1969

ELEVATION OF SURFACE	OLD STORAGE ACRE FEET	SILT ACRE FEET	NEW STORAGE ACRE FEET
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