

Photo Dates: 1923-1993

Cave Creek Dam, Powerline, Rittenhouse, Vineyard Road Dam, Wittmann Wash, Wickenburg Areas various Washes

8/15/66

POWERLINE DAM

Site of Powerline  
Retarding Dam prior  
to construction  
operations.



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PHOTO NO. AZ-648-10      DATE 8/15/66  
~~SCS~~ Apache Junction      STATE Arizona  
~~LOCATION~~ Apache Junction-Gilbert Watershed  
~~OPERATOR~~ \_\_\_\_\_  
PHOTOGRAPHER George M. England  
LEGEND State fully what, how, who and why

Site of Powerline Retarding Dam prior to  
construction operations.



Cave Creek Dam

8-27 1964

KODACOLOR PRINT  
Made by Kodak  
MAR. 55F

Cave Creek Dam

8-27-1964

KODACOLOR PRINT  
Made by Kodak  
MAR. 55F

Watersheds:	Description	Date	Box#
Rio Verde Wash	0		
Sand Tank Wash	0		
Rodeo Wash	0		
Scatter Wash	Hydrology	1981	00-136
Sols Wash	Hydrology	1987	00-136
Star Wash	0		
Skunk Creek	Hydrology	1994	00-136
Tenth Street Wash	0		
Tiger Wash	0		
Trilby Wash	District Projects	1982	00-136
Wash B	0		
Weeks Wash	0		
West Prong Wash	0		
ACDC Watershed (Lower)	Cave Creek Floodplain at 29th Avenue	1991	00-136
ACDC Watershed (Lower)	Development Case Letters	1991	00-136
ACDC Watershed (Lower)	Highway Projects	1989	00-136
ACDC Watershed (Upper)	Construction/Engineering Services	1990	00-136
ACDC Watershed (Upper)	Contracts	1989	00-136
ACDC Watershed (Upper)	Development Case Letters	1989	00-136
ACDC Watershed (Upper)	Flood Insurance Study	1973	00-136
ACDC Watershed (Upper)	Highway Projects	1989	00-136
ACDC Watershed (Upper)	Hydrology	1990	00-136
ACDC Watershed (Upper)	Development Case Letters	1991	00-136
ACDC Watershed (Upper)	Photographs: Adobe Dam Area (1969) & Cave Creek Dam (1923, 1956, 1964, 1969) Cave Creek Photos moved to Library	1969	00-136
Agua Fria Watershed (Lower)	Development Case Letters	1990	00-136
Agua Fria Watershed (Lower)	Development Case Letters	1991	00-136
Agua Fria Watershed (Upper)	0		
Ajo Watershed	0		
Arlington Watershed	Development Case Letters	1991	00-136
Arlington Watershed	General Correspondence	1991	00-136
Buckeye Valley Watersehd	Development Case Letters	1990	00-136
Buckeye Valley Watersehd	Newspaper Articles	1974	00-136
Centennial Watershed (Lower)	Contracts	1989	00-137
Centennial Watershed (Lower)	Development Case Letters	1991	00-137
Centennial Watershed (Lower)	Hydrology	1983	00-137
Centennial Watershed (Lower)	Photographs: Harquahala Valley Watershed (1969) & (1950 or 60's Negatives)	1969	00-137
Centennial Watershed (Upper) (Aguila Farm Channel)	Correspondence	1974	00-137
East Maricopa Floodway Watershed (Lower)	Development Case Letters	1991	00-137
East Maricopa Floodway Watershed (Lower)	District Projects	1986	00-137

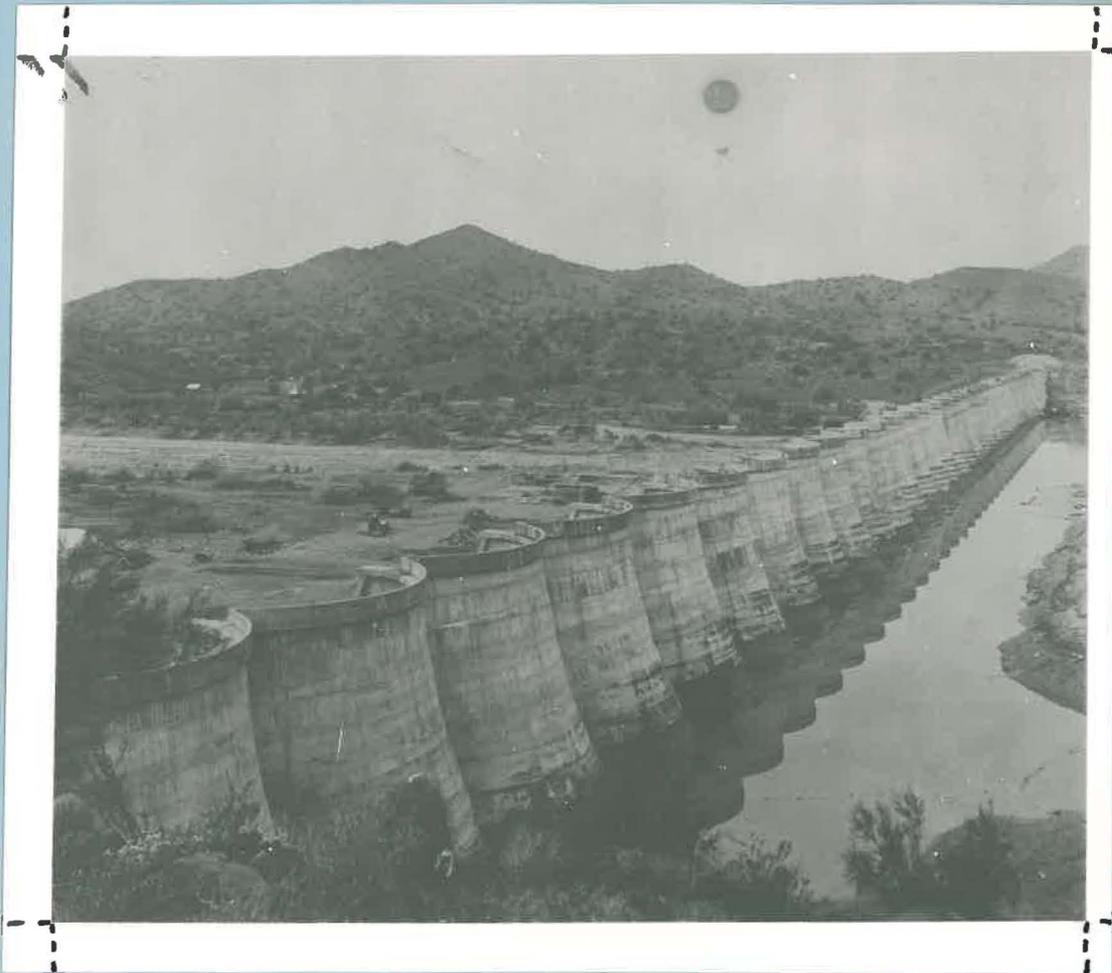
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 Flood Control District of MC Library  
 Please Return to  
 2801 W. Durango  
 Phoenix, AZ 85009

CAVE CREEK DAM 1/31/69

Reservoir area and  
growth.



(1923)



↑  
1923

Core sample being taken.



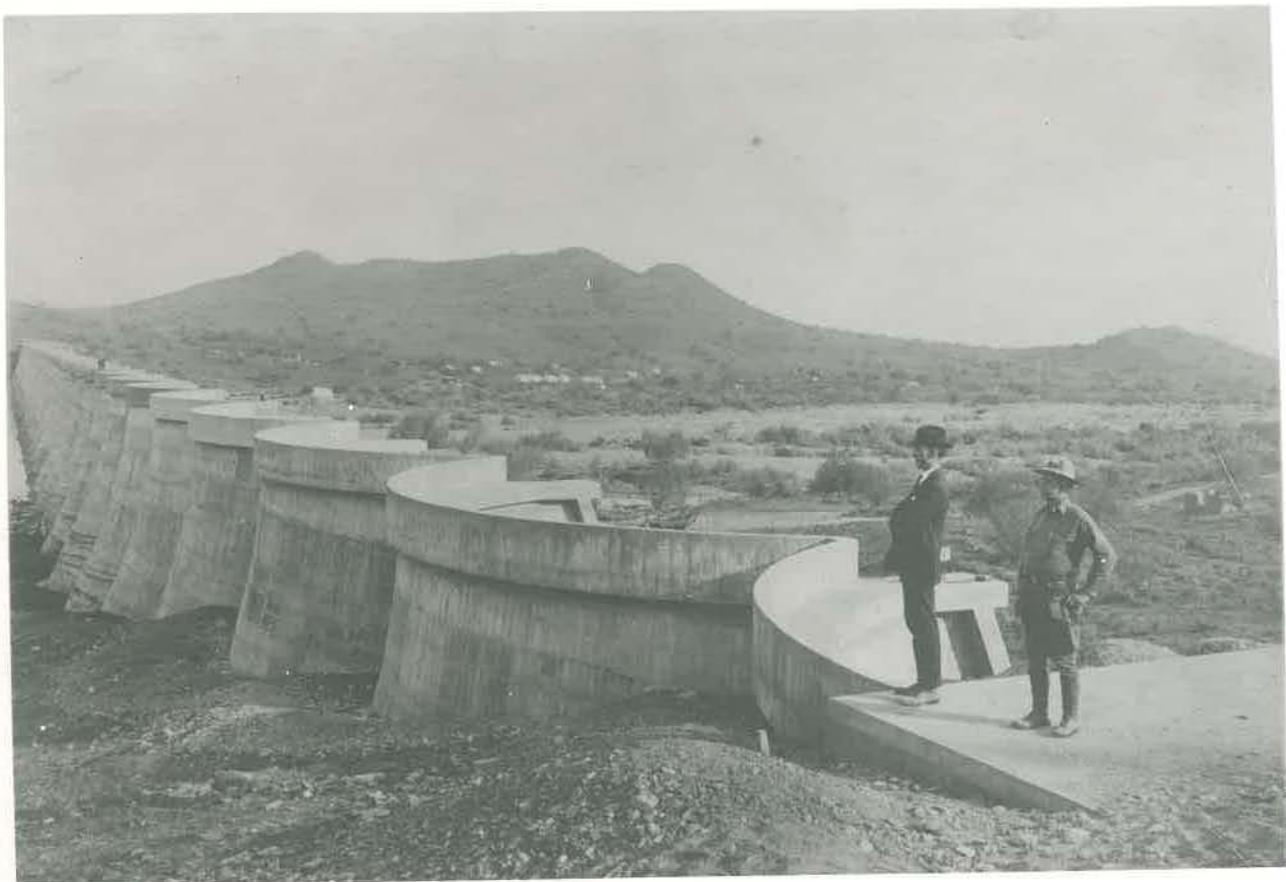
Core sample being taken.



Cave Creek Dam  
A leak in it

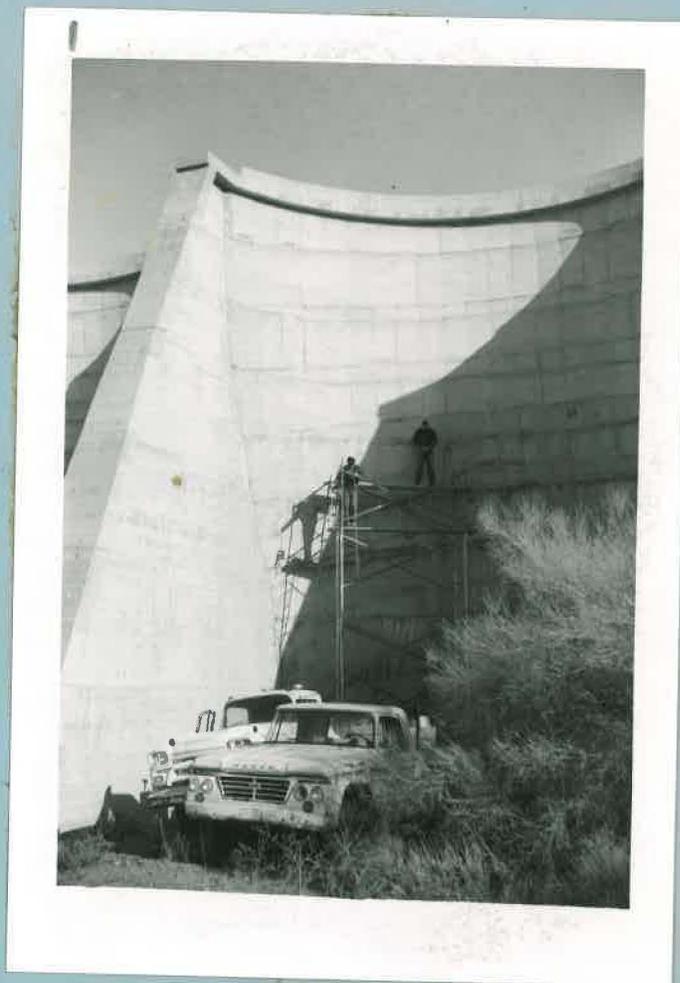
8-1-64





1923

Equipment being set up for taking core samples.



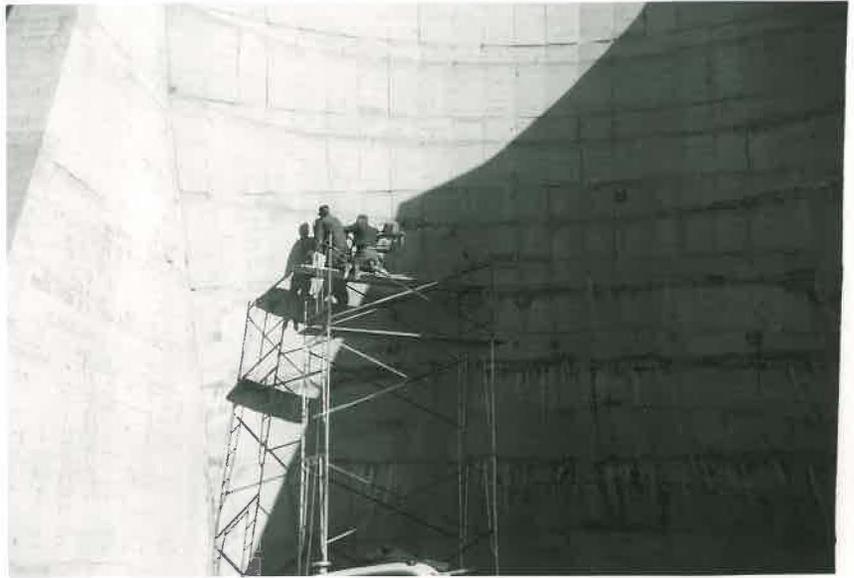
Equipment being set up for core samples.



AS RESIDENT ENGINEER, CAVE CREEK  
FLOOD CONTROL DAM - 25 MILES  
NORTH OF PHOENIX - 1923



Equipment being  
set up for taking  
core samples.



Equipment being  
set up for taking  
core samples.



Equipment being  
set up for taking  
core samples.



CAVE CREEK FLOOD CONTROL DAM  
PHOENIX, ARIZONA

(1973)



Core sample #16 through  
concrete joint.



Core sample #12  
insufficient adherence  
of cement to rock.



Twisted square rebar,  
type used in construction  
of dam.



Core sample hole.



Core sample hole plugged.



Core sample hole.



Core sample hole.



Core sample being taken.



Core sample being taken.



August 27, 1964

CAVE CREEK

Cave Creek Dam



Outflow



Cave Creek Dam



A

August 1964

Cave Creek Dam

Reservoir



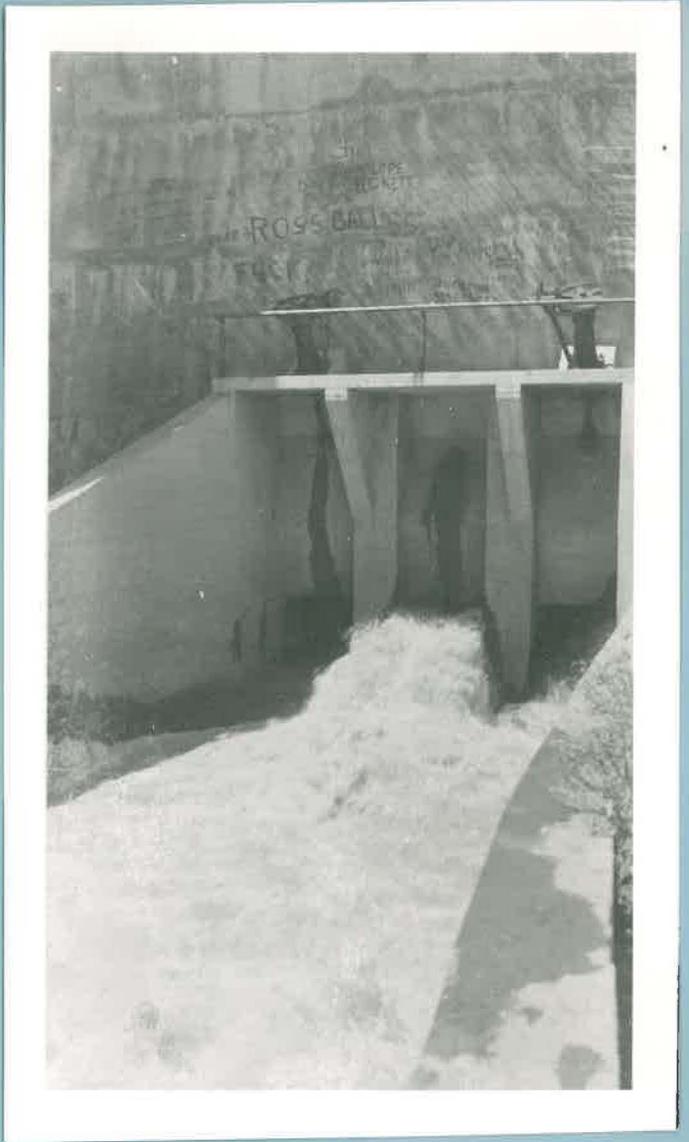
B

Outflow

C

1956

CAVE CREEK DAM

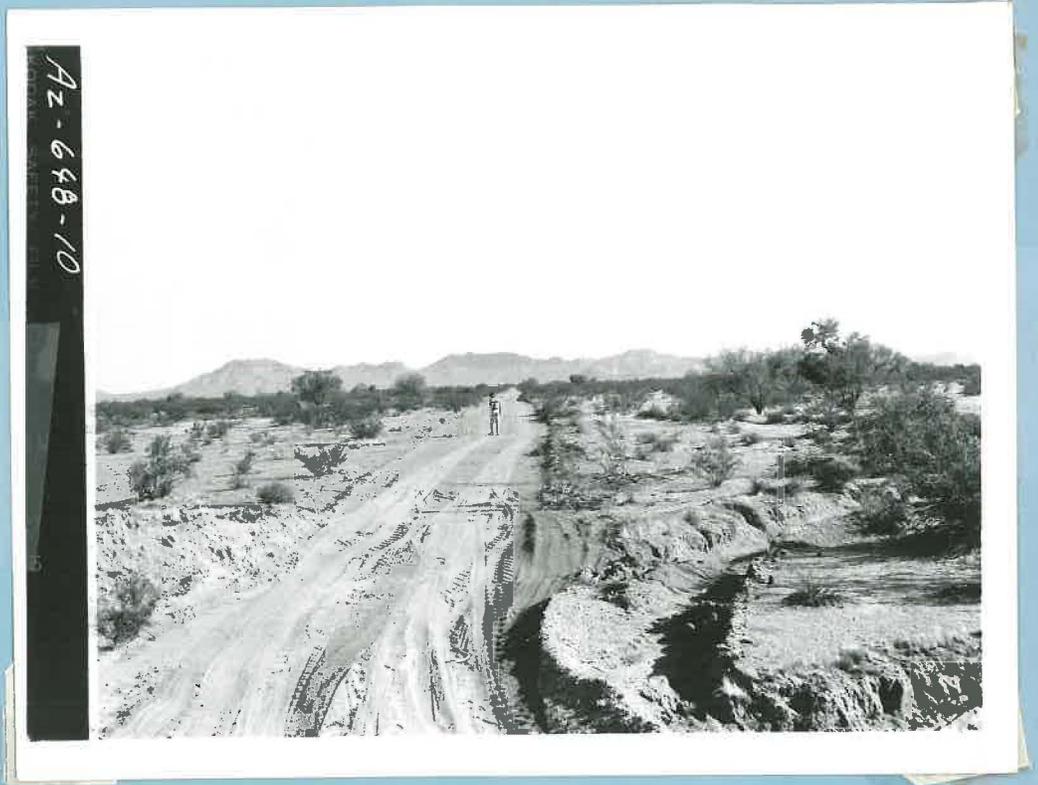


East Maricopa Floodway Watershed (Upper)	Guadalupe Channel	1991	00-137
East Maricopa Floodway Watershed (Upper)	Development Case Letters	1992	00-137
East Maricopa Floodway Watershed (Upper)	District Projects	1989	00-137
East Maricopa Floodway Watershed (Upper)	Highway Projects	1987	00-137
East Maricopa Floodway Watershed (Upper)	Weekes Wash Hydrology	1988	00-137
East Maricopa Floodway Watershed (Upper)	Newspaper Articles	1967	00-137
East Maricopa Floodway Watershed (Upper)	Photographs: Powerline Dam 1966, Rittenhouse Dam 1969, Vineyard Road Dam 1967, 1968 Photos in Library	1969	Library

8/15/66

POWERLINE DAM

Site of Powerline  
Retarding Dam prior  
to construction  
operations.



10/17/66

POWERLINE DAM

Compaction equipment used during construction.



Core trench excavation by Caterpillar 630 Scrapers and D-9 Dozer as pusher in construction.



10/25/66

POWERLINE DAM

Installing concrete pipe  
for principal spillway



11/4/66/

Powerline Dam

Inspection party at  
outlet works.



11/4/66

Powerline Dam

Inspection party at  
outlet works.



POWERLINE DAM  
11/4/66

Outlet (spillway).



Outlet (spillway).



Outlet (spillway).



11/4/66

Powerline Dam

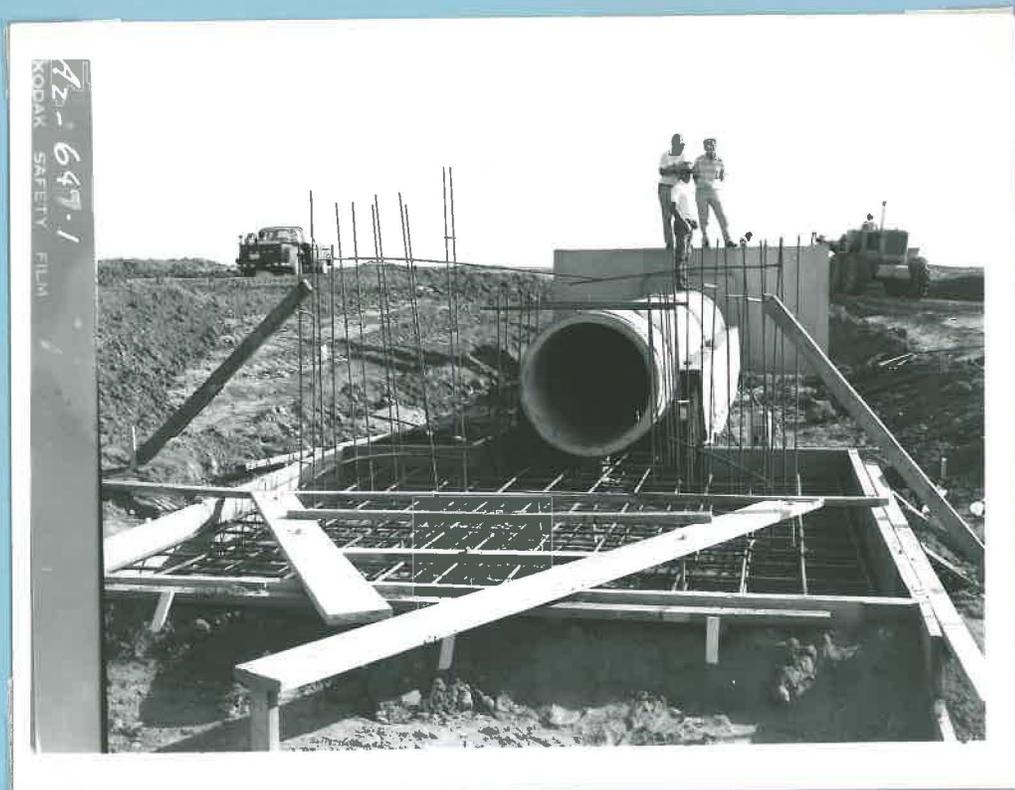
Inspection party at outlet works.



11/17-18/66

POWERLINE DAM

Construction operation in installing inlet structure to principal spillway.



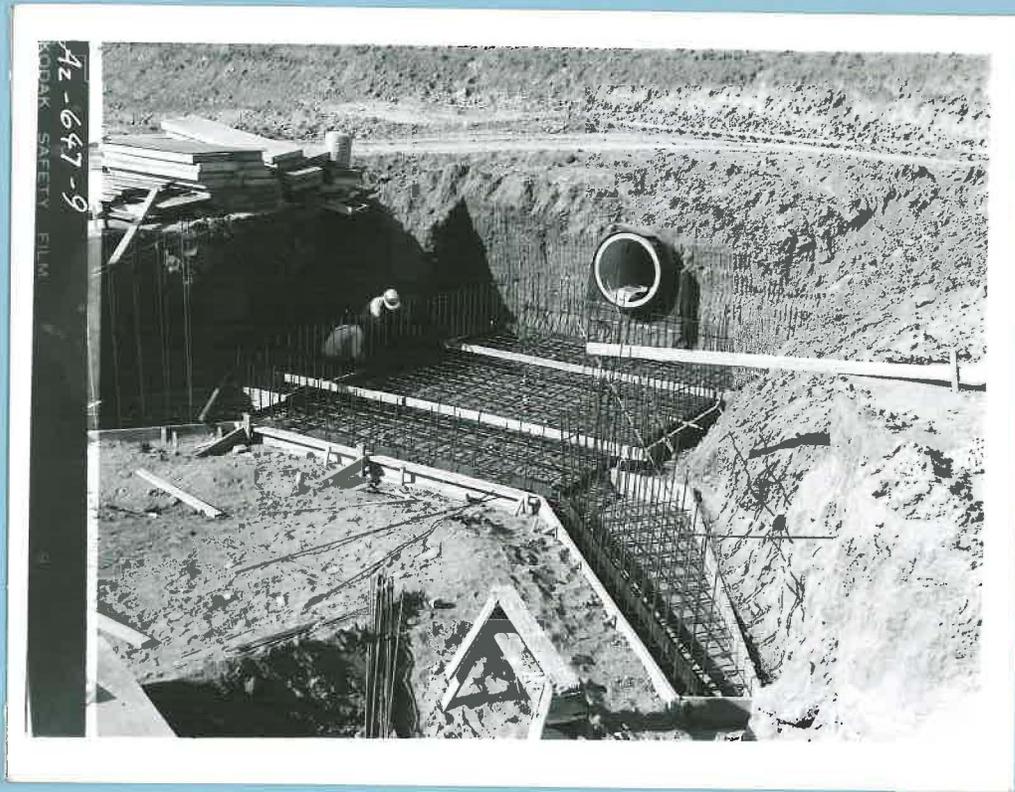
Principal spillway outlet structure prior to backfilling operations.



12/2/66

Powerline Dam

Placement of reinforcing  
steel in floor of outlet  
structure to principal spillway.

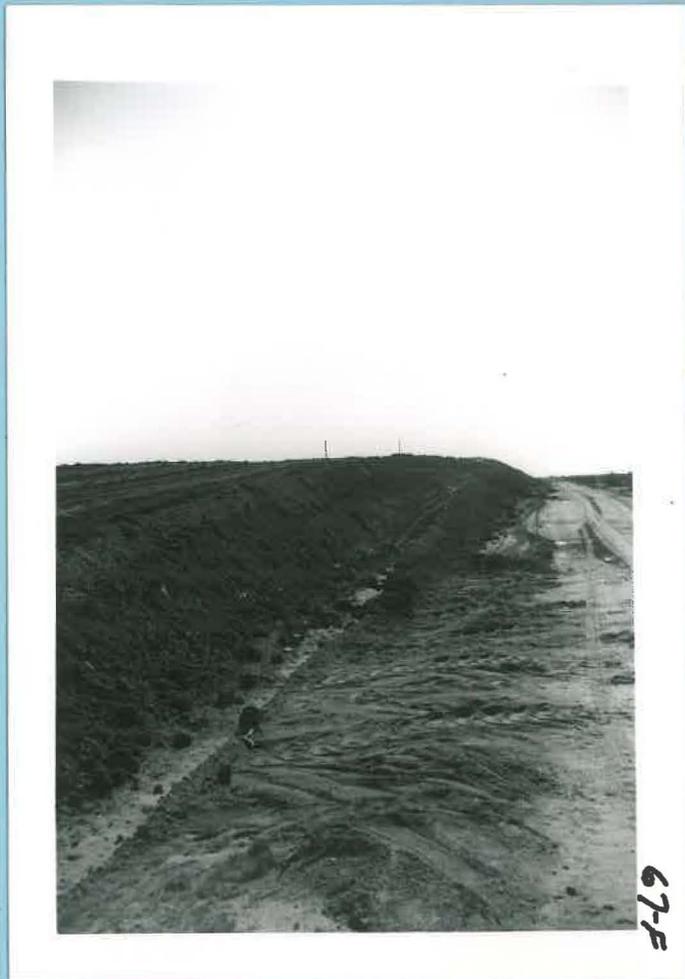


POWERLINE DAM  
12/8/66

Looking west (reservoir on  
right).



West embankment.



POWERLINE DAM  
12/8/66

Southwest corner of dam.



Powerline Dam outlet.



POWERLINE DAM  
1/5/67

Looking east toward south-  
west corner of Powerline  
Dam.



Northwest toward southwest  
corner of Powerline Dam.



POWERLINE DAM  
1/5/67

Northeast across south-  
west corner of Powerline  
Dam.



Looking east at west side  
of Powerline Dam.



Looking east toward southwest  
corner of Powerline Dam.



POWERLINE DAM  
1/5/67

Northeast across outlit of  
Powerline Dam.



Looking west along south  
embankment of Powerline Dam.



Looking northeast across  
southwest corner of Power-  
line Dam.



3/2/67

*Powerline*  
~~Vineyard Road~~ Dam

Inspecting construction  
operations.



3/8/67

POWERLINE DAM

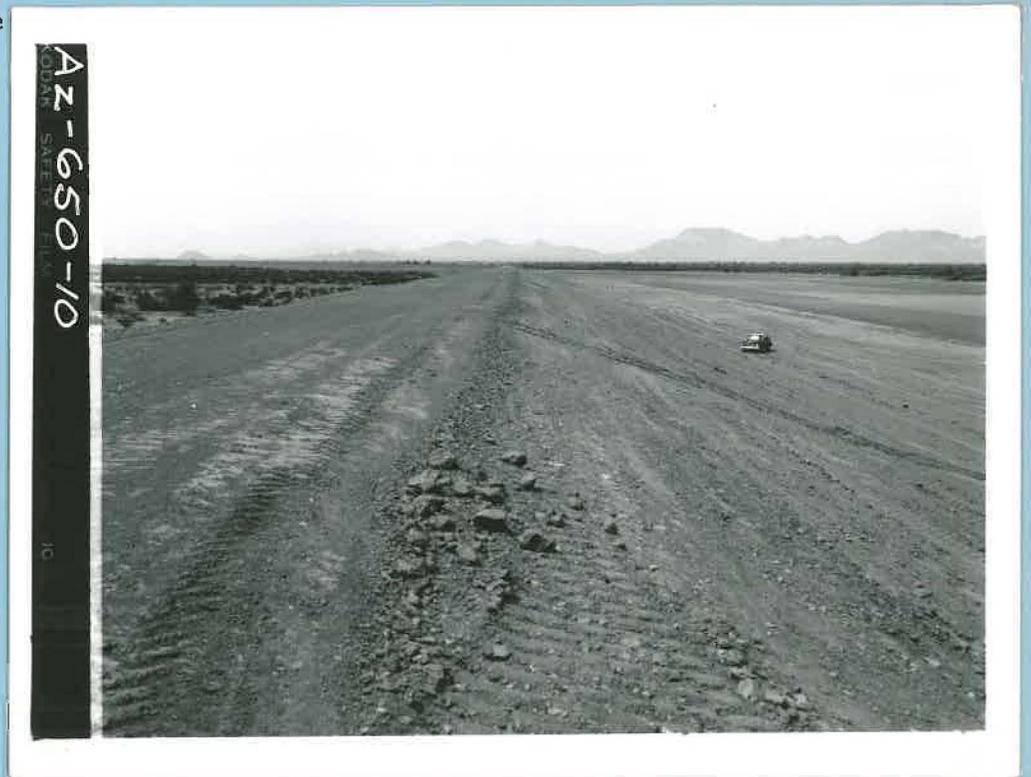
Grading 2:1 downstream  
slope of Powerline Dam.



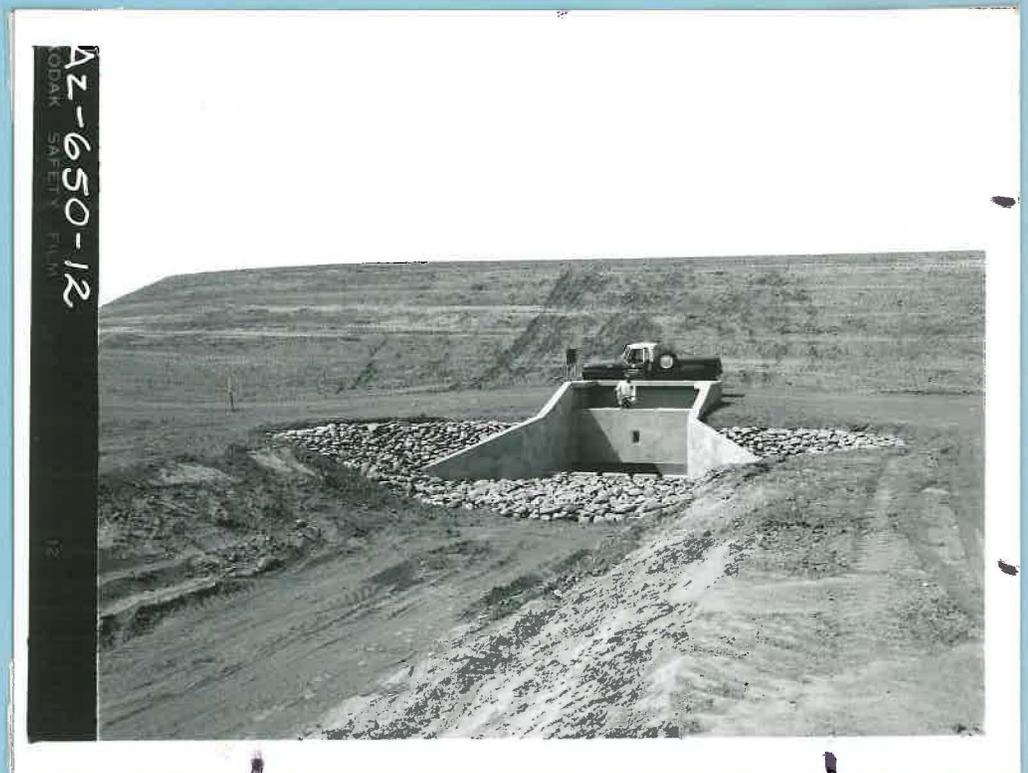
3/27/67

POWERLINE DAM

Completed Powerline  
Retarding Dam.



Outlet structure to  
principal spillway.



3/27/67

POWERLINE DAM

Inlet structure to principal spillway.



Gated outlet structure.



Powerline  
~~VINEYARD ROAD~~ DAM 7/8/68

68-23 From Powerline  
Dam



68-24 Outlet - downstream  
side



68-25 Vineyard Road Floodway







PHOTO COURTESY OF MARICOPA  
COUNTY INFORMATION OFFICE.  
NO CREDIT NECESSARY.

DEDICATION OF RITTENHOUSE DAM  
April 11, 1969



PHOTO COURTESY OF MARICOPA  
COUNTY PLANNING OFFICE-  
NO CREDIT NECESSARY.

DEDICATION OF RITTENHOUSE DAM  
April 11, 1969



PHOTO COURTESY OF MARICOPA  
COUNTY INFORMATION OFFICE.  
NO CREDIT NECESSARY.

DEDICATION OF RITTENHOUSE DAM  
April 11, 1969

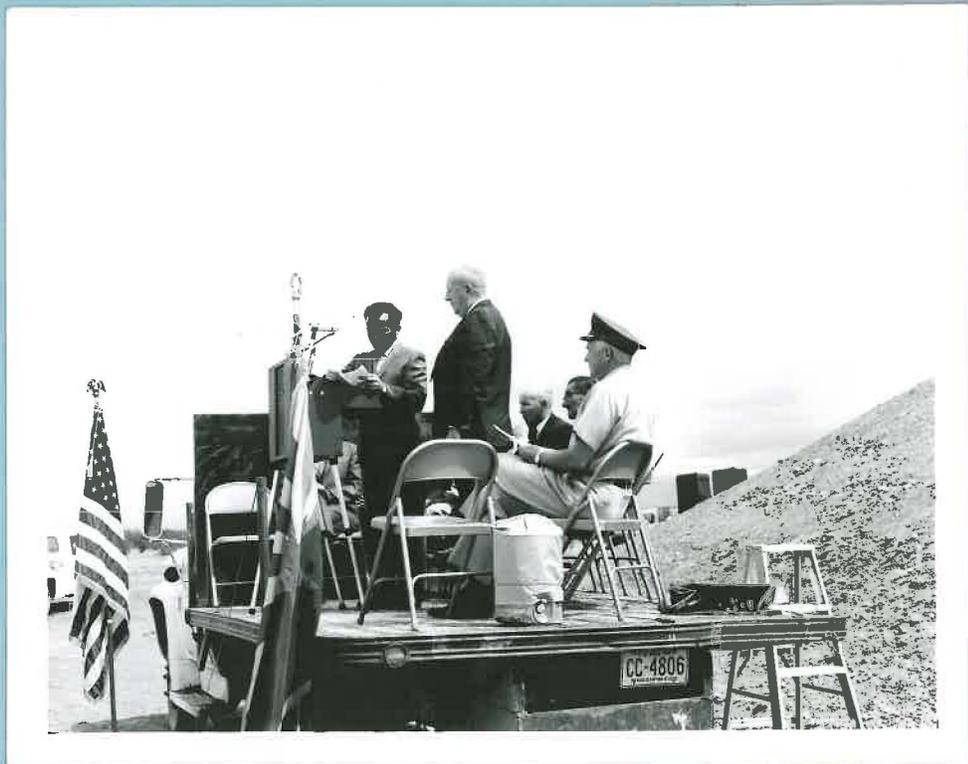


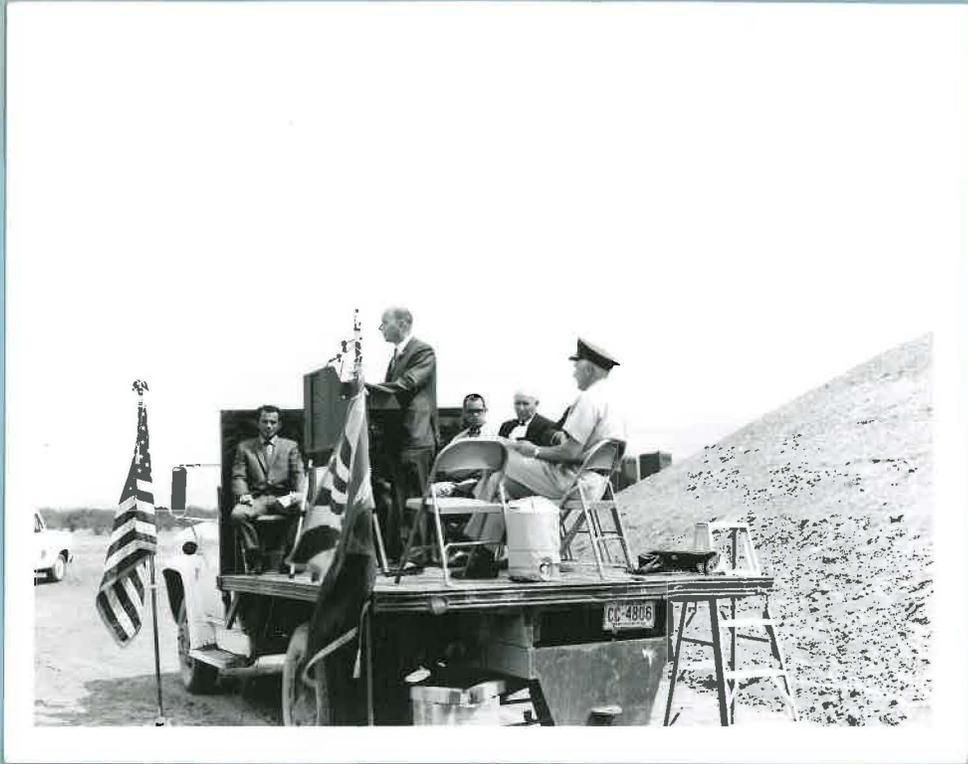
PHOTO COURTESY OF MARICOPA  
COUNTY INFORMATION OFFICE-  
NO CREDIT NECESSARY.

DEDICATION OF RITTENHOUSE DAM  
April 11, 1969

4/11/69

Rittenhouse Dam  
Dedication





4/29/69

Drop structure  
Rittenhouse Dam



Outlet and Energy  
Dissipator



Drop structure in  
Floodway



4/29/69

Rittenhouse Dam  
First Ramp Crossing



Upstream side  
looking West



North Along Dam



First gated outlet channel.



Second gated outlet channel.



4/29/69

Rittenhouse Dam Trash Rack at  
Outlet.



Workman at  
Gated Outlet!





SW $\frac{1}{4}$  Sec. 16, T1S, R8E  
(H. C. Dobson) SE end  
of tank. Overflow has  
occurred around this end.



NE end of tank.  
Overflow point is  
5' below elevation  
of dam.



NW $\frac{1}{4}$  of Sec. 29, T1S, R8E  
(Phoenix T&T) SE end.  
Overflow occurs around this  
end. Small ditch dug around  
this end is only a few feet  
above present water level.



NE end. Can overflow  
around this end.



NW $\frac{1}{4}$  Sec. 30, T1S, R8E  
(M. Anderson) SE end.  
Overflows thru channel  
around this end. Channel  
is 7' below top of newly  
rebuilt dike.



NE end. Can Overflow  
around this end when  
water surface exceeds  
elevation of small dike  
Small dike is 5' below  
top of dam.

STOCK TANK #5

VINEYARD ROAD DAM SITE

AUGUST 1967

SE $\frac{1}{4}$  Sec. 30, T1S, R8E  
(Phoenix T&T) SE end  
Spills around this  
end. Channel is 5'  
lower than top of dam.



NE end. Can spill  
around this end, 4'  
lower than top of  
dam.



N $\frac{1}{2}$  NW $\frac{1}{4}$  Sec. 4, T2S  
R8E (Phoenix T&T)  
SE end. Can spill  
around this end.



NE end, spills  
around this end,  
4' below top of  
dam.



NE $\frac{1}{4}$  Sec 5, T2S R8E  
(Phoenix T&T) SE end  
Tank now dry due to  
break in center of dam.  
Flow has gone around  
this end 3' lower than  
top of dam.



NE end.



12/12/67

Vineyard Road Dam

Installation of 54 inch reinforced concrete pipe for principal spillway.



Cement aggregate mixing plant on site near Sta. 214+00

VINEYARD ROAD DAM 7/8/68

68-26 Vineyard Road Floodway  
Toward Powerline Dam

68-26

7/8/68



68-27 Outlet - Downstream

68/27

7/8/68



68-28 Outlet - Downstream

68-28

7/8/68



VINEYARD ROAD DAM 7/8/68

68-34 Gate 1 (from north)  
& Outlet

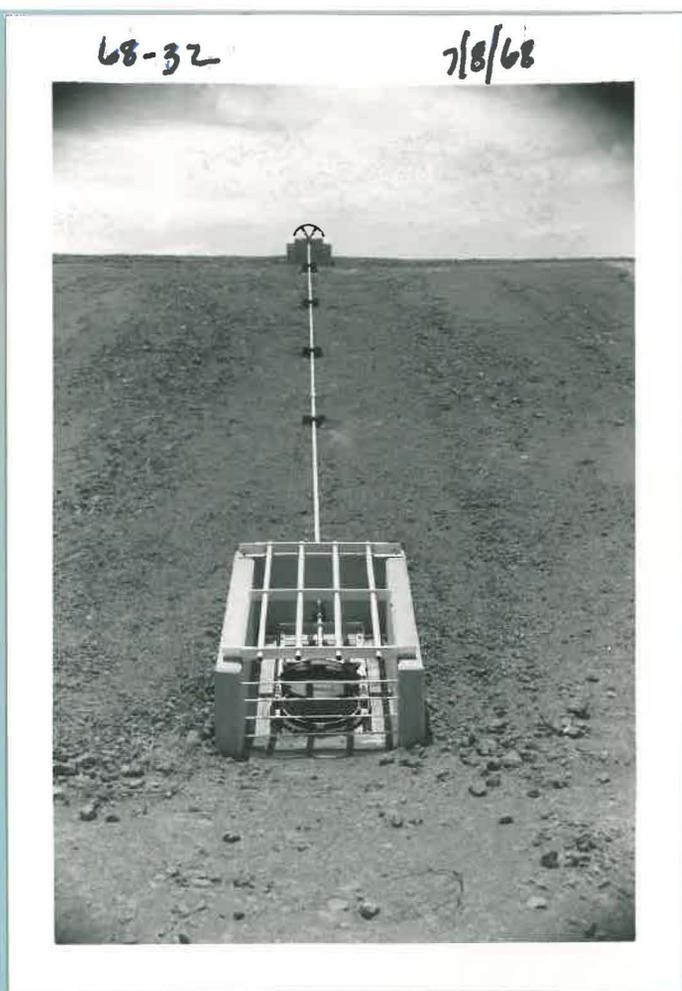


68-35 Gate 2 & Outlet



VINEYARD ROAD DAM 7/8/68

68-32 Gate 1 (from north)  
& Outlet



68-33 Gate 1 (from north)  
& Outlet



VINEYARD ROAD DAM 7/8/68

68-29 North Emergency  
Spillway

68-29

7/8/68



68-30 Reservoir, Over  
Trash Rack

68-30

7/8/68



68-31 Trash Rack &  
Outlet

68-31

7/8/68



VINEYARD ROAD DAM 7/8/68

68-36 Gate 2 & Outlet



68-37 Gate 2 & Outlet



VINEYARD ROAD DAM 7/8/68

68-41 Gate 3 & Outlet

68-41

7/8/68



68-42 Gate 4 & Outlet

68-42

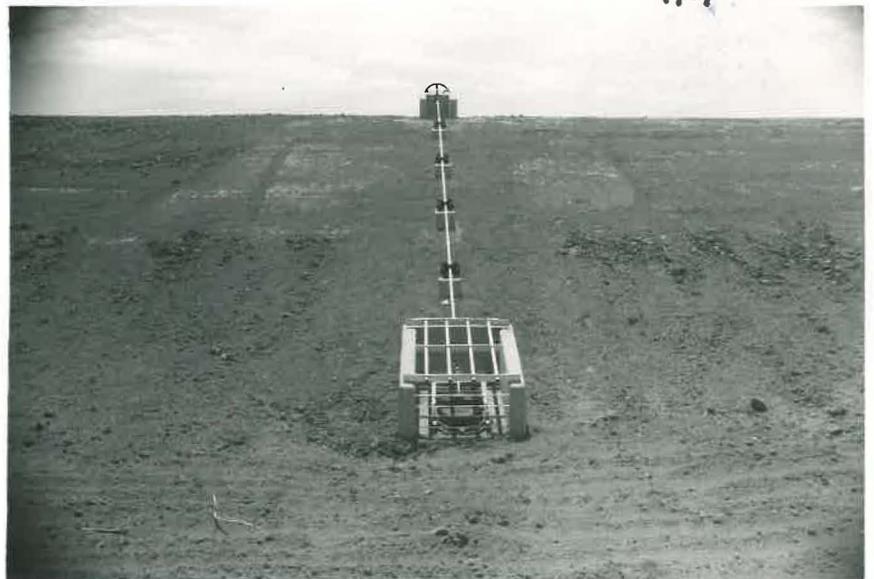
7/8/68



68-43 Gate 4 & Outlet

68-43

7/8/68



VINEYARD ROAD DAM 7/8/68

68-38 Gate 2 & Outlet

68-38

7/8/68



68-39

7/8/68



68-39 Gate 2 & Outlet

68-40

7/8/68



68-40 Gate 2 & Outlet

VINEYARD ROAD DAM 7/8/68

68-44 Gate 4 & Outlet

68-44

7/8/68



68-45 Gate 4 & Outlet

68-45

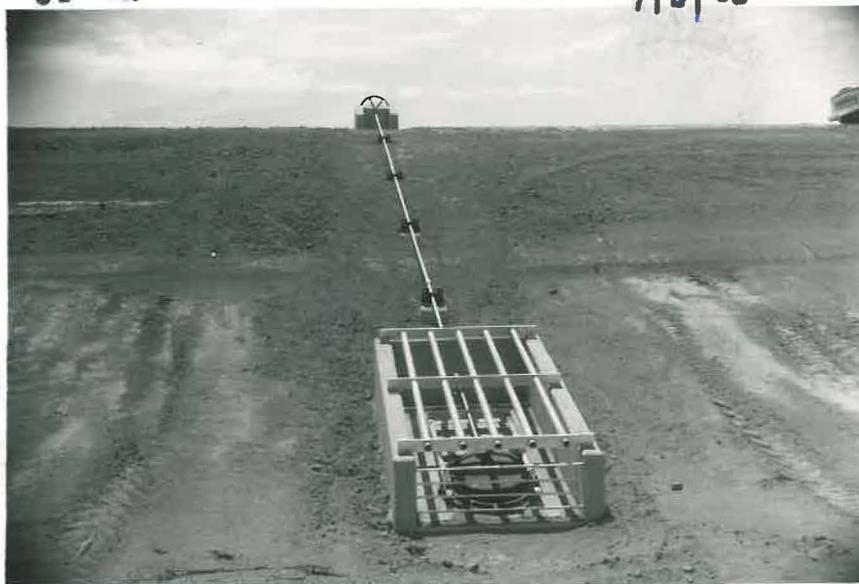
7/8/68



68-46 Gate 5 & Outlet

68-46

7/8/68



VINEYARD ROAD DAM 7/8/68

68-47 Gate 5 & Outlet

68-47

7/8/68



68-48

7/8/68



68-48 Gate 5 & Outlet

68-49

7/8/68



68-49 Ramp 1 (from north)  
Upstream

VINEYARD ROAD DAM 7/8/68

68-50 Ramp 1 (from north)  
Upstream

68-50

7/8/68



68-51

7/8/68



68-51 Ramp 2

68-52

7/8/68



68-52 Ramp 3

VINEYARD ROAD DAM 7/8/68

68-53 Ramp 4 & Gate 5

68-53

7/8/68



68-54 South Fr. North  
End of Structure

68-54

7/8/68



68-55 North Fr. Ramp  
3

68-55

7/8/68



VINEYARD ROAD DAM 7/8/68

68-56 Crack So. of  
Gate 3

68-56

7/8/68



68-57 North Fr. Gate 5

68-57

7/8/68



VINEYARD ROAD DAM 7/8/68

68-58 Channel from Stock-  
pond Below Gate 3

68-58

7/8/68



68-60

7/8/68



68-59 South Emergency  
Spillway

68-59

7/8/68



68-60 Downstream Face  
of Dam

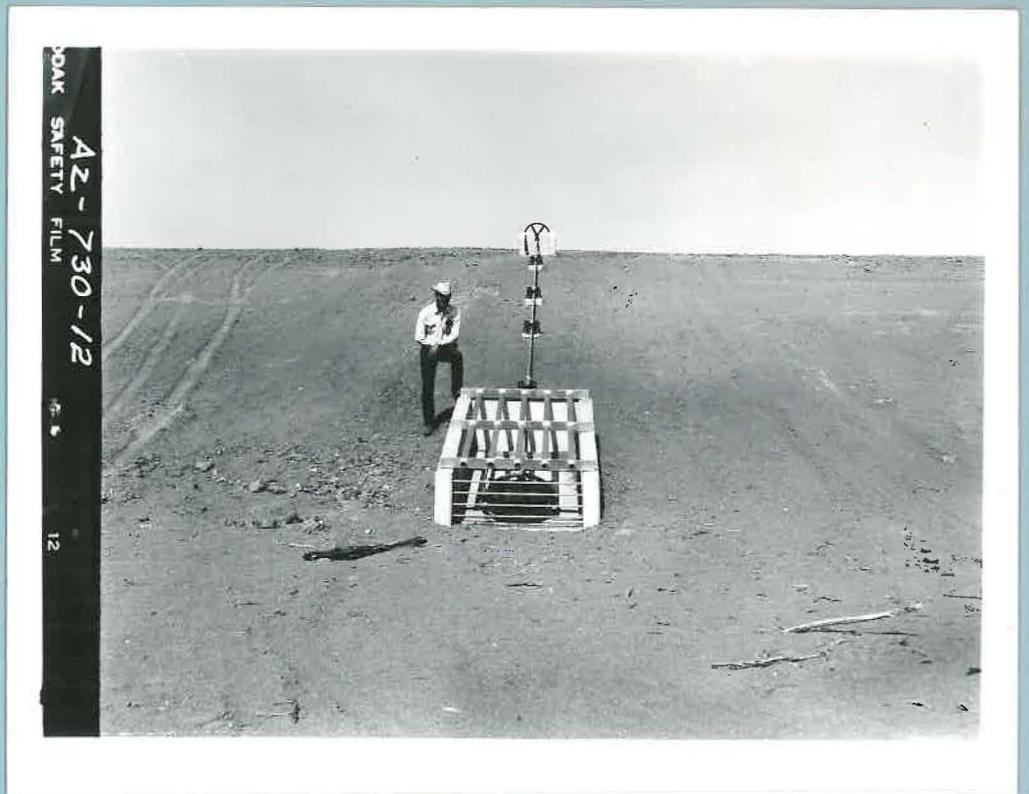
7/10/68

Vineyard Road Dam

Outlet channel from  
principal spillway.



Inlet of typical gated  
outlet pipe.



7/10/68

VINEYARD ROAD DAM

Outlet of typical gated outlet pipe.



5/15/68

VINEYARD ROAD DAM

Installation of typical gated outlet pipe.



7/10/68

VINEYARD ROAD DAM

Downstream view of  
principal spillway.



Inlet to principal  
spillway.



Skunk Creek Watershed	Development Case Letters	1991	00-138
South Mountain Watershed	Contracts	1989	00-138
South Mountain Watershed	ADMS Laveen	1990	00-138
South Mountain Watershed	Development Case Letters	1992	00-138
South Mountain Watershed	Development Case Letters	1991	00-138
South Mountain Watershed	District Projects	1983	00-138
South Mountain Watershed	Hydrology	1983	00-138
South Mountain Watershed	48th Street Drain Hydrology	1985	00-138
South Mountain Watershed	Aerial Photographs 1958, 1963 (Contact Prints)	1963	Front Desk
Theba Watershed	0		
Trilby Wash	See Wittmann Watershed		
Vekol Watershed	0		
Verde Watershed (Lower)	Development Case Letters	1991	00-138
Verde Watershed (Upper)	0		
Waterman Watershed	Development Case Letters	1990	00-138
White Tanks Watershed	ADMS	1993	00-138
White Tanks Watershed	District Projects	1990	00-139
White Tanks Watershed	Colter Channel Hydrology	1990	00-139
White Tanks Watershed	Development Case Letters	1990	00-139
White Tanks Watershed	Hydrology	1995	00-139
Wittmann Watershed	Hydrology	1982	00-139
Wittmann Watershed	ADMS (FCD 86-24) Includes Photos: CAP 1988, 1989 & Iona Wash 1988	1994	00-139
Wittmann Watershed	Su-Basin 59 Overtopped Cals Sheets	1988	00-139
Wittmann Watershed	Study	1987	00-139
Wittmann Watershed	ADMS (FCD 86-24)	1992	00-139
Wittmann Watershed	ROW McMicken Dam	1989	00-139
Wittmann Watershed	Trilby Wash X-ing	1993	00-139
Wittmann Watershed	Lake Bonita Includes 1990 Photo	1990	00-139
Wittmann Watershed	Offsite Drainage and Floodplain Reassessment Report for Proposed Pleasant Veiw Estates Development	1993	00-139
Wittmann Watershed	Wittmann Wash Includes 1991 Photos	1991	00-139
Wittmann Watershed	Pleasant View Estates Miscellaneous	1994	00-139
Wittmann Watershed	Wash 5E Includes 1990 & 1992 Photos	1993	00-139
Wittmann Watershed	Wittmann Wash Miscellaneous Photos 1990 (Photos in Library)	1991	00-140



WITTMANN WASH

LOOKING DOWN STREAM

HUTICHSION PROPERTY



LOOKING UPSTREAM

PHOTO DATE 10-1-90



WITTMAN WASH

LOOKING UPSTREAM



GROOM RANCH PROPERTY  
EAST SIDE OF WITTMANN WASH

PHOTO DATE 10-1-90



WITTMAN WASH

LOOKING DOWNSTREAM



PHOTO DATE 10-1-90

72

72



**LONE MOUNTAIN ROAD/WITTMANN WASH**

73



**JUST SOUTH OF HAPPY VALLEY ROAD  
& GRAND AVENUE (WASH CAP 4 EAST)**



**PHOTO 10-1-90**

Wittmann Wash  
South of Grand Avenue



Looking down stream  
Main wash (arrow) filled with sediment  
Flows directed to the west

Labor Day Rains 9-3,5,-90  
photo date 9/7/90



Wittman Wash - Hutchison  
9-5-90

75



Wittman Wash - Hutchinson  
9-5-90

75



Wittman Ketch-Hutchison  
9-5-90

75



Kittman Walsh-Hutchison  
9-5-90

75



Kittman Ketch-Hutchison  
9-5-90

77



POINT OF BREAK OFF

ORIGINAL WASH FILLED WITH SEDIMENT -

- STANDING ON ORIGINAL WASH

76



LOOKING DOWNSTREAM

- AREA TO THE ~~RIGHT~~ <sup>LEFT</sup> - ORIGINAL WASH

PHOTO DATE 10-1-90



Standing in floodway which was filled in

Wittmann Wash S. of Grand Ave.



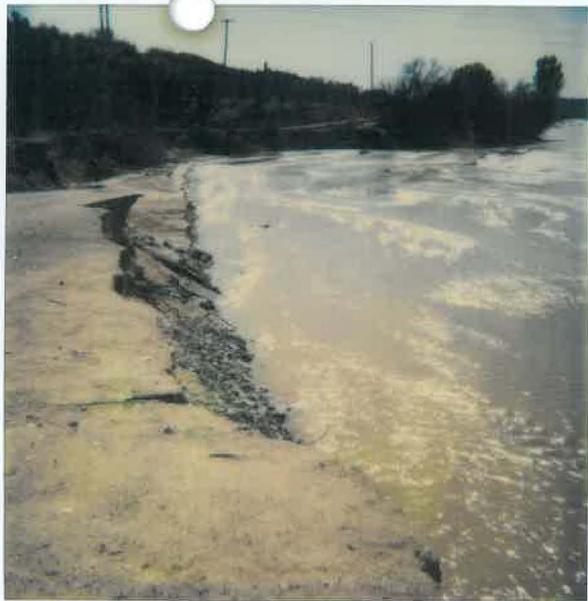
Main channel to east filled in with sediment

Labor Day rains 9-3,5,-90

photo 9/7/90

Skunk Creek Watershed	Development Case Letters	1991	00-138
South Mountain Watershed	Contracts	1989	00-138
South Mountain Watershed	ADMS Laveen	1990	00-138
South Mountain Watershed	Development Case Letters	1992	00-138
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Wittmann Watershed	Pleasant View Estates Miscellaneous	1994	00-139
Wittmann Watershed	Wash 5E Includes 1990 & 1992 Photos	1993	00-139
Wittmann Watershed	Wittmann Wash Miscellaneous Including Flooding Photos 1990 (Photos in Library)	1991	00-140 Library
Wittmann Watershed	Wickenburg ADMS (FCD 89-79) Including Flooding Photos 1993 Blue Tans Wash, 1992 Monarch Wash, San Domingo Wash, Hartman Wash, Calamity Wash, V-Wash, F-Wash, G-Wash, Turtleback Wash, Flying "E" Wash Dam (Photos in Library)	1993	00-140 Library

3/5/93



80



Blue Tanks Wash looking downstream  
looking upstream

81

John Baker  
- Jack Burden Rd.  
- Inver -  
Hanging Knees -  
super  
Jim Brundage -  
Duffett



82

Jack Burden Road  
Wickenburg

At Hassayampa River and Blue Tanks Wash

Photo date 3/5/93

San Steve Smith

ROAD along river

MDOT

Jack Burden Rd.

Road out Reamba Ranch

- dumped truck loads -
  - No more filter -
  - Center filled
  - Clean of river bottom -
- wing dam? - Canal

\* Field investigation 3/5/93

Follow up with Kent Hamm (MDOT) 4618

He will follow up with possible stabilization to repaired road

Curran  
 Hanson  
 HLEI - 1274  
 689-489  
 -

3-16-93. Call from John Baker - MCDOT

will not provide maintenance to road-

\* Asked if there was a program to offer assistance to residences that have only one address. He referred me to Jim Brundage 8671.

8671

- ask about that

- check address for house

- check street layout

- verify street name

- check map

- check with MCDOT

- check with Jim

WATERMOUNTAIN

\* This investigation is to be done up with Kent (MCDOT) and he will determine what assistance is available to the residents of the area.

3/5/93



ADOT Rest Area along the Hassayampa R.  
Looking upstream  
A Arrow marks debris line 3/5/93

3/5/93



84

ADOT Rest Area along the Hassayampa R.  
Looking upstream in both pictures  
Arrow marks debris line  
3/5/93



85

Wickenburg ADMS

2-6-92

Monarch Wash.

(double bridge).  
upstream controlling.

86



Monarch

Monarch  
upstream  
of bridge

upstream of bridge



Monarch

87

upstream face of bridge

Wickenburg ADMS

2-6-92.

Monarch Wash.

(double bridge).  
upstream controlling.

86



Monarch  
upstream  
of bridge

upstream of bridge



87

Monarch

upstream face of bridge.

Wickenburg ADMS.  
2-6-92  
San Domingo Wash

89

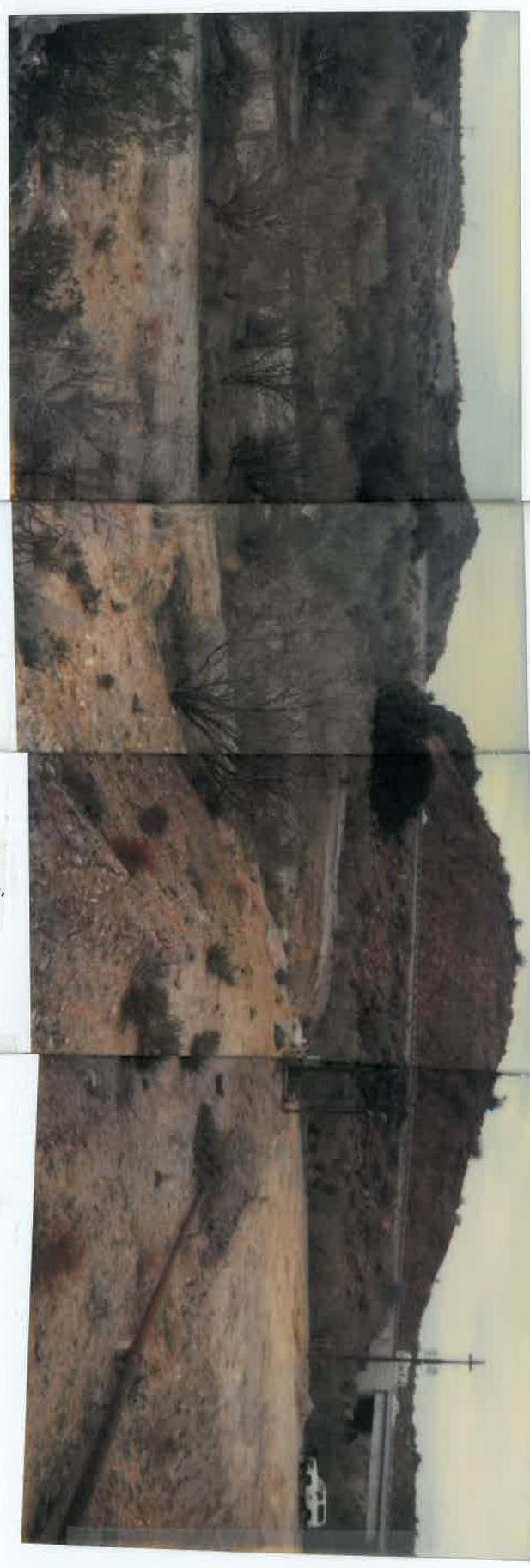


San Domingo Bridge

upstream approach to  
Bridge.

48

San Domingo



San Domingo

San Domingo

Spind upon right overbank -  
wash approach to Bridge.

90



Hartmann

Hartmann



Hartmann

looking downstream toward bridge  
(a 3' drop in grade at entrance to bridge)

Wickenburg ADMS  
2-6-92  
Hartmann Wash

looking upstream from  
R.R. Bridge.

91



standing along right overbank  
looking down stream  
Note dike along ROB  
built in 1929

92

Wickenburg ADMS

2-6-92

Hartmann Wash

looking upstream from  
R.R. Bridge.

91



Hartmann

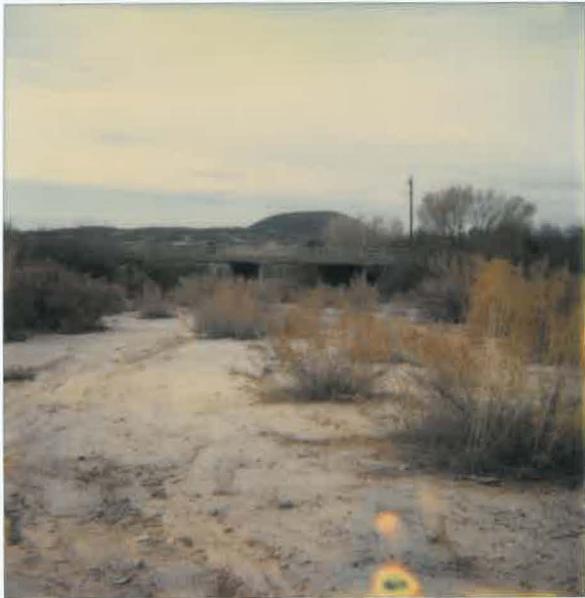


Hartmann

looking downstream toward bridge  
(a 3' drop in grade at entrance to bridge)

92  
standing along right overbank  
looking down stream  
Hok dike along ROB  
built in 1929

93



Calamity Wash

Wickenburg ADMS.

2-6-92.

Calamity Wash

looking downstream

94



Calamity Wash looking upstream - dike along R.O.B.



Calamity upstream

looking upstream - recent grading of left over bank - Note dike + drainage pipe placement.

95

looking upstream from bridge entrance.

Wickenburg ADMS

2-6-92

V-Wash

down stream face of H'way  
culvert.

3 - 10' x 10'

96



V-Wash  
10 x 10 culverts

2-6-92

97



F wash

F

Wickenburg ADMS  
2-6-92

Wash F

upstream face of H'way  
culvert.

98



F

looking upstream  
along wash bed.

Wickenburg ADMS  
2-6-92

Wash F.



F

upstream face of H'way  
culvert.

98



F

looking upstream  
along wash bed.

Wickenburg ADMS 2-6-92  
Wash G.

99



G Wash  
Upstream side of  
culvert 2-6-92

Highway Culvert  
Upstream side of H'way

100

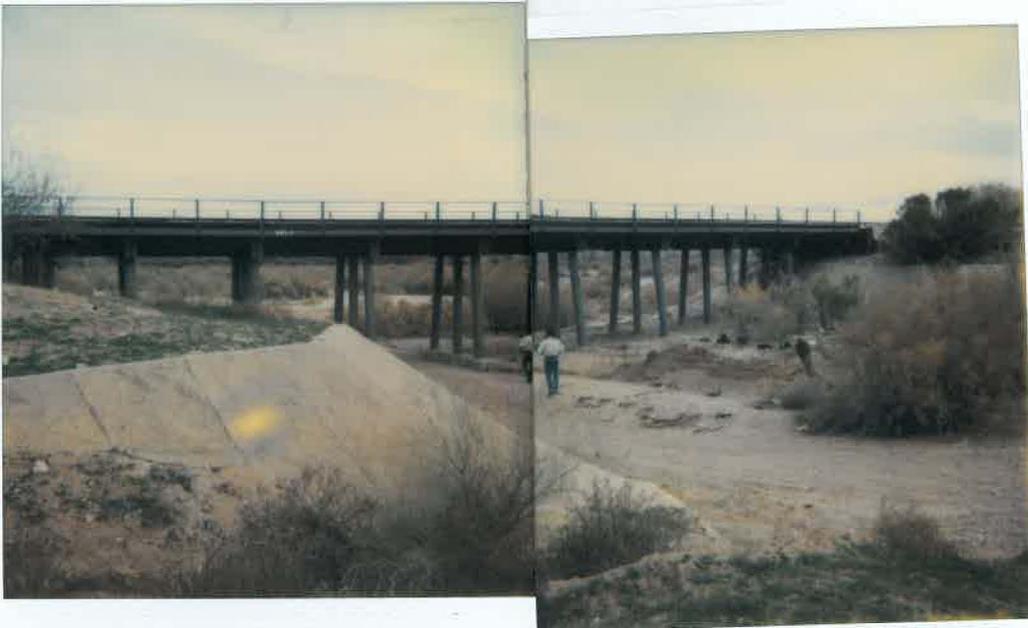


Culvert  
2-6-92

downstream side of H'way

Wickenburg ADMS 2-6-92  
Turtleback Wash

101



Turtleback

Alleback

R.R. Bridge  
looking upstream  
Standing at  
confluence with  
Hassayampa  
River.

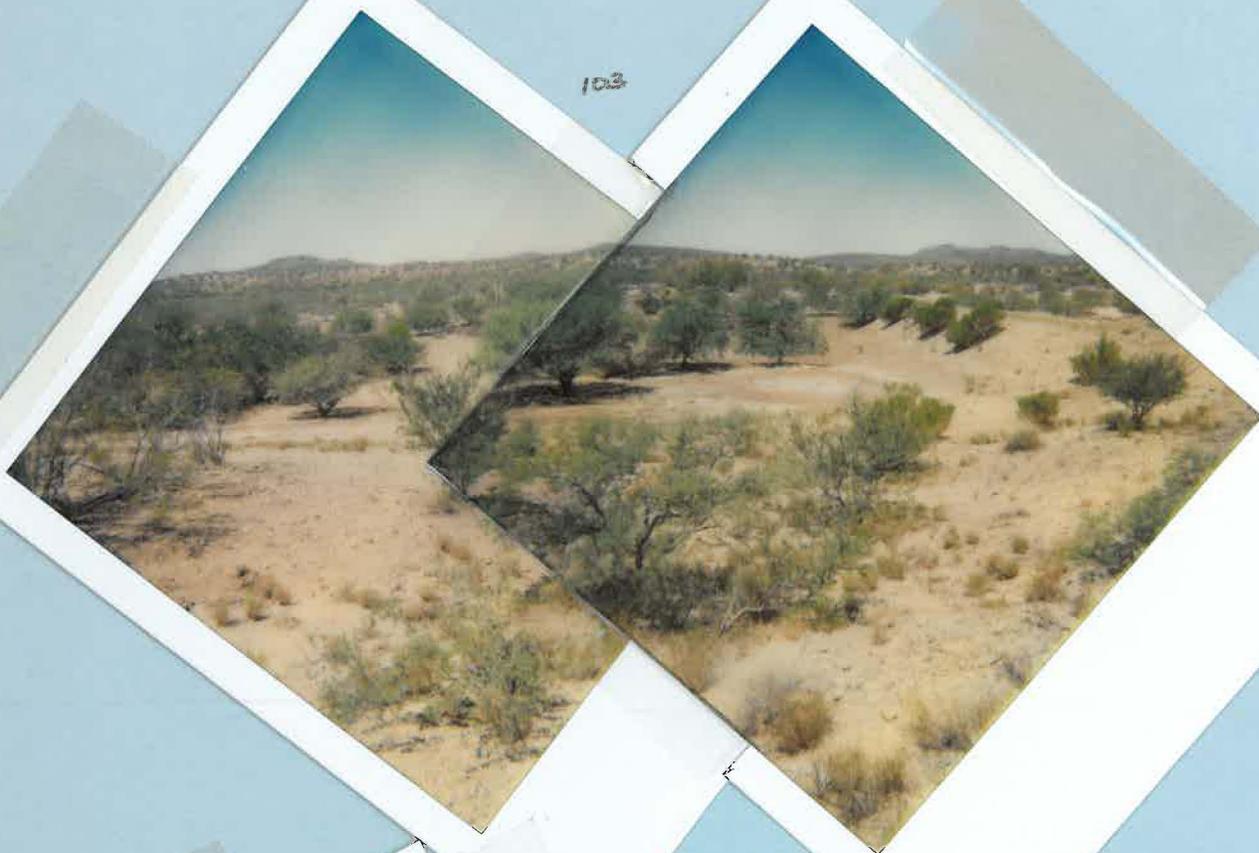
102



Turtleback

looking upstream  
(upstream of bridge).

103



104



Downstream of Siltation  
Basin - (looking S)  
Flying E. Wash - Wickenburg  
8-2-89



105

STANDING ON DAM looking South - (UPSTREAM of Flying E. Dam).

Flying E. Dam - Klebenburg

8-2-89

10

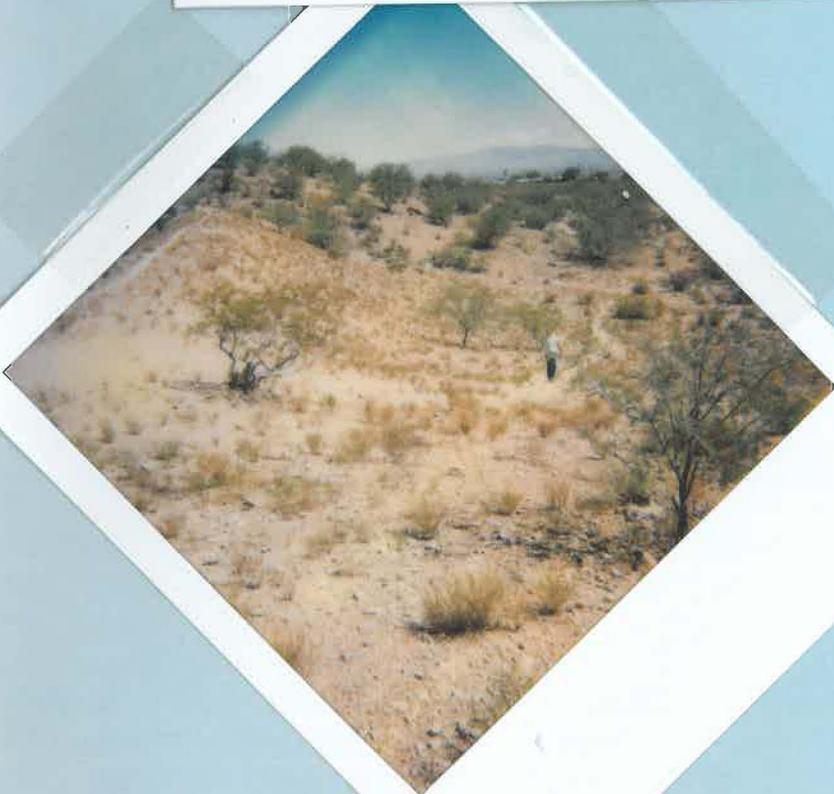
106



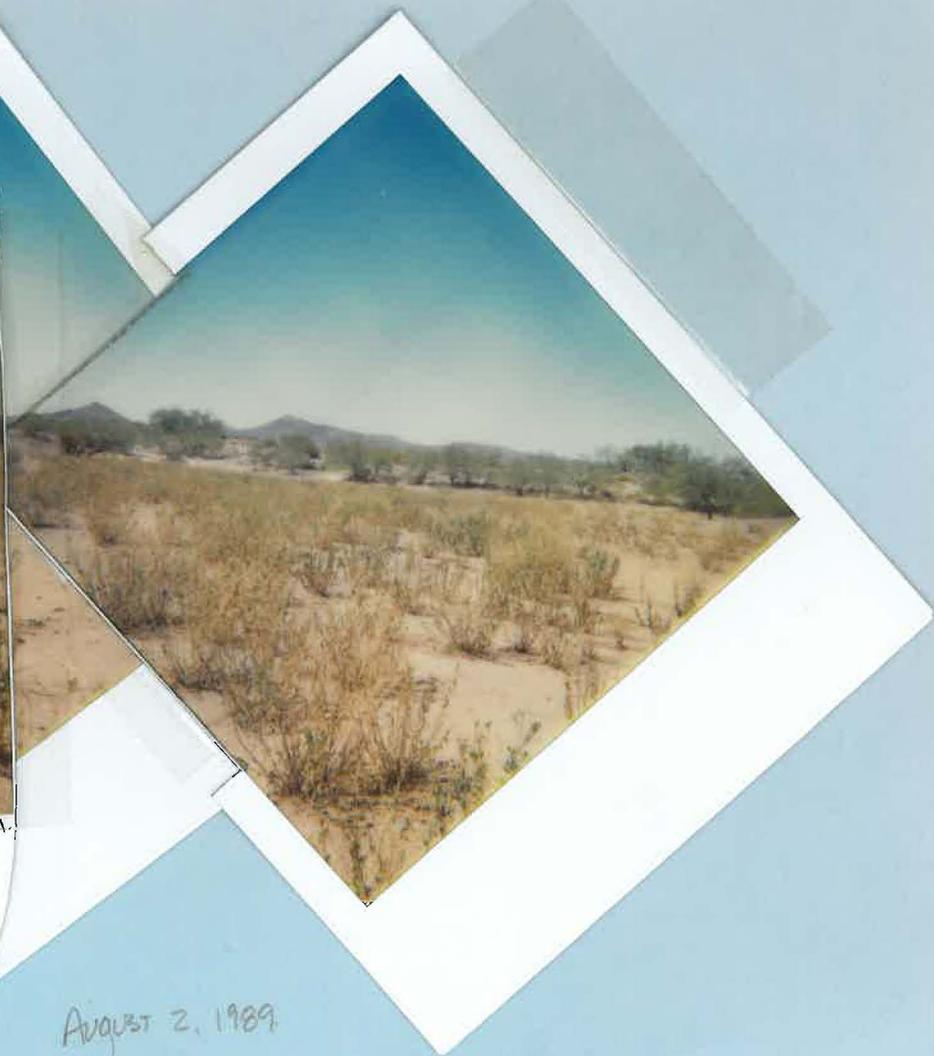
Looking Upstream  
(Standing on Dam.)  
AT DEVELOPMENT SITE  
LOCATION

8-2-89

Flying E. Wash - Wickenburg



107



August 2, 1989

(108)

Upstream side of siltation dike.

Twin Peak in back ground

Flying E. Wash - Wickenburg



DOWNSTREAM SIDE of Dam.

Flying E Wash - Kickenburg

8-2-89