







**LEGEND**

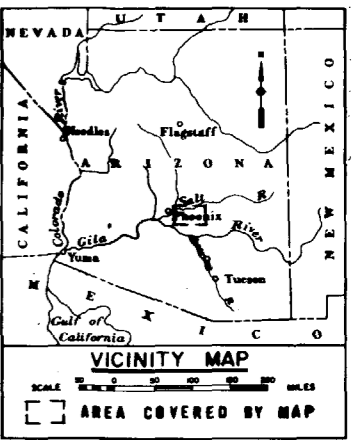
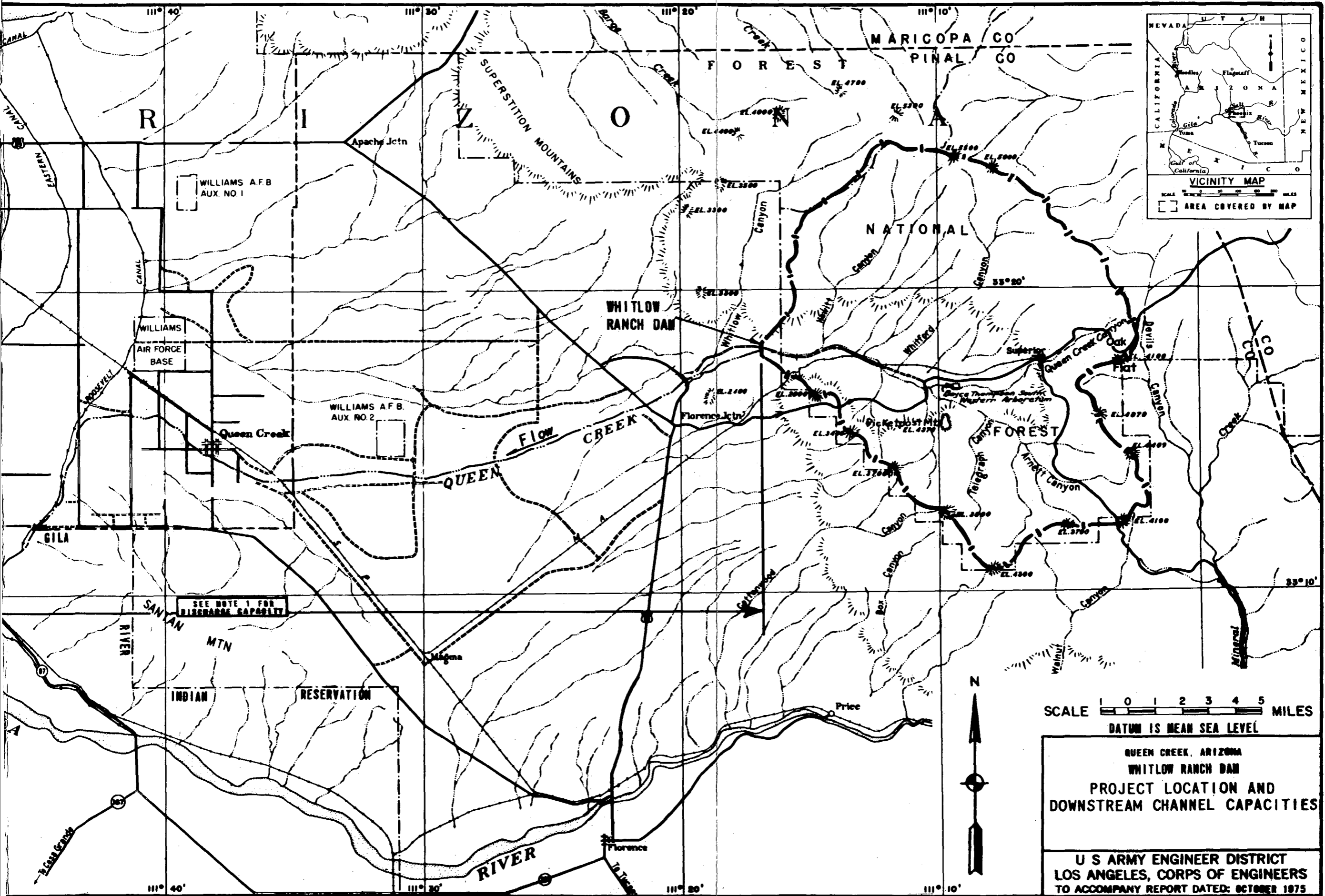
-  STATE HIGHWAY
-  U S HIGHWAY
-  INTERSTATE HIGHWAY
-  DRAINAGE AREA BOUNDARY
-  CANAL
-  INTERMITTENT STREAM

**NOTES:**

1. DISCHARGE CAPACITY IS LIMITED TO ABOUT 1,000 CFS AT ROAD CROSSING.
2. NO FORMAL CHANNEL EXISTS IN THIS REACH THE DISCHARGE CAPACITY OF THE SMALL BRAIDED RIVULETS IS LESS THAN 50 CFS.

SEE NOTE 2 FOR DISCHARGE CAPACITY

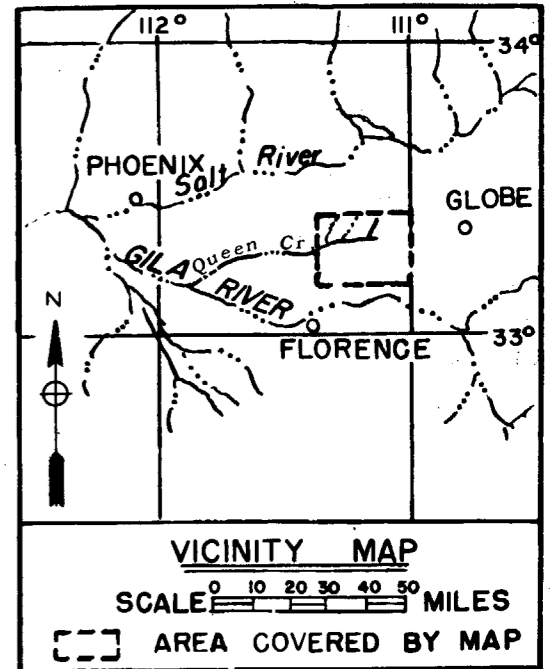
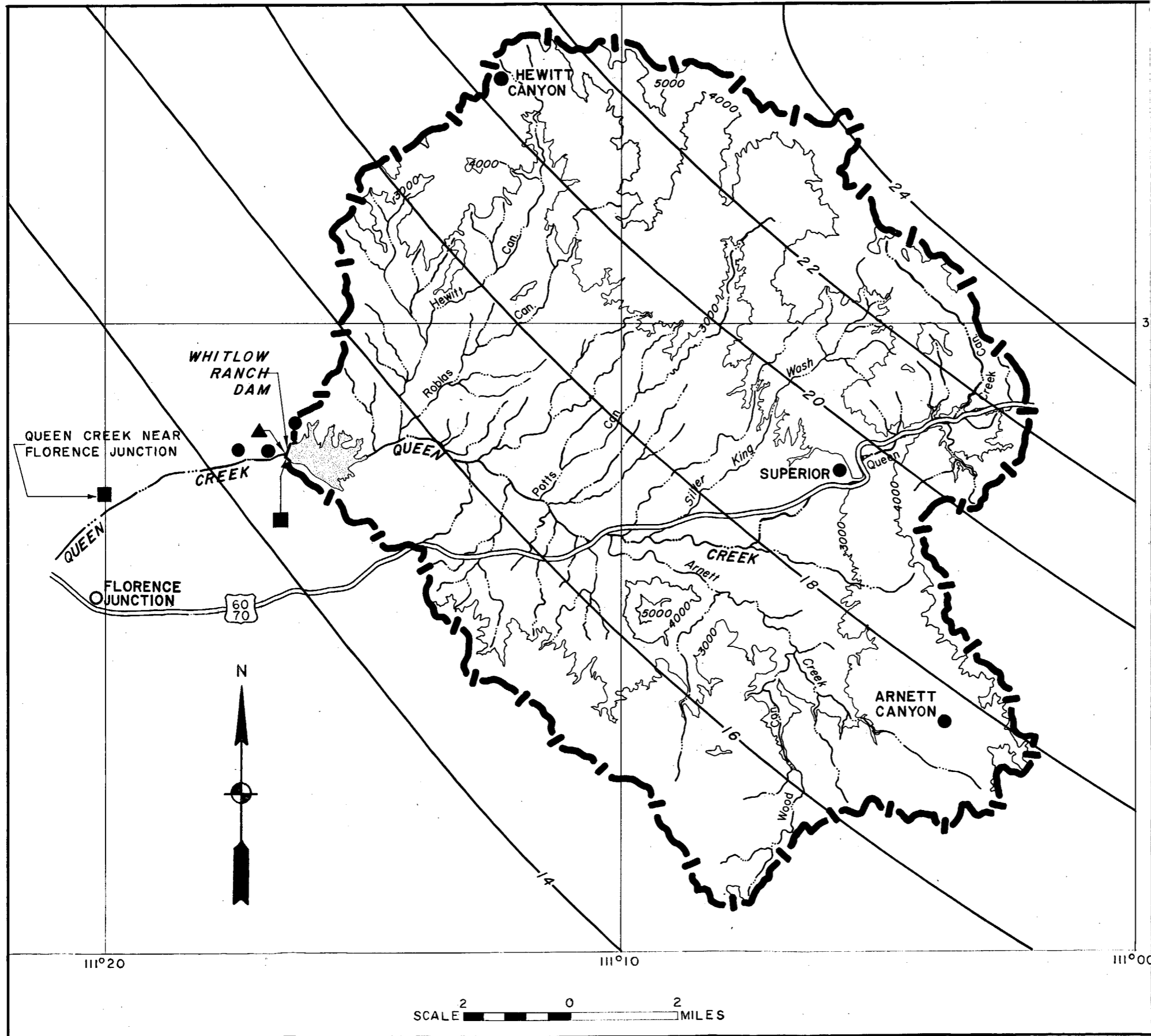
SEE NOTE 1 FOR DISCHARGE CAPACITY



SCALE 1 0 1 2 3 4 5 MILES  
 DATUM IS MEAN SEA LEVEL

QUEEN CREEK, ARIZONA  
 WHITLOW RANCH DAM  
 PROJECT LOCATION AND  
 DOWNSTREAM CHANNEL CAPACITIES

U S ARMY ENGINEER DISTRICT  
 LOS ANGELES, CORPS OF ENGINEERS  
 TO ACCOMPANY REPORT DATED: OCTOBER 1975

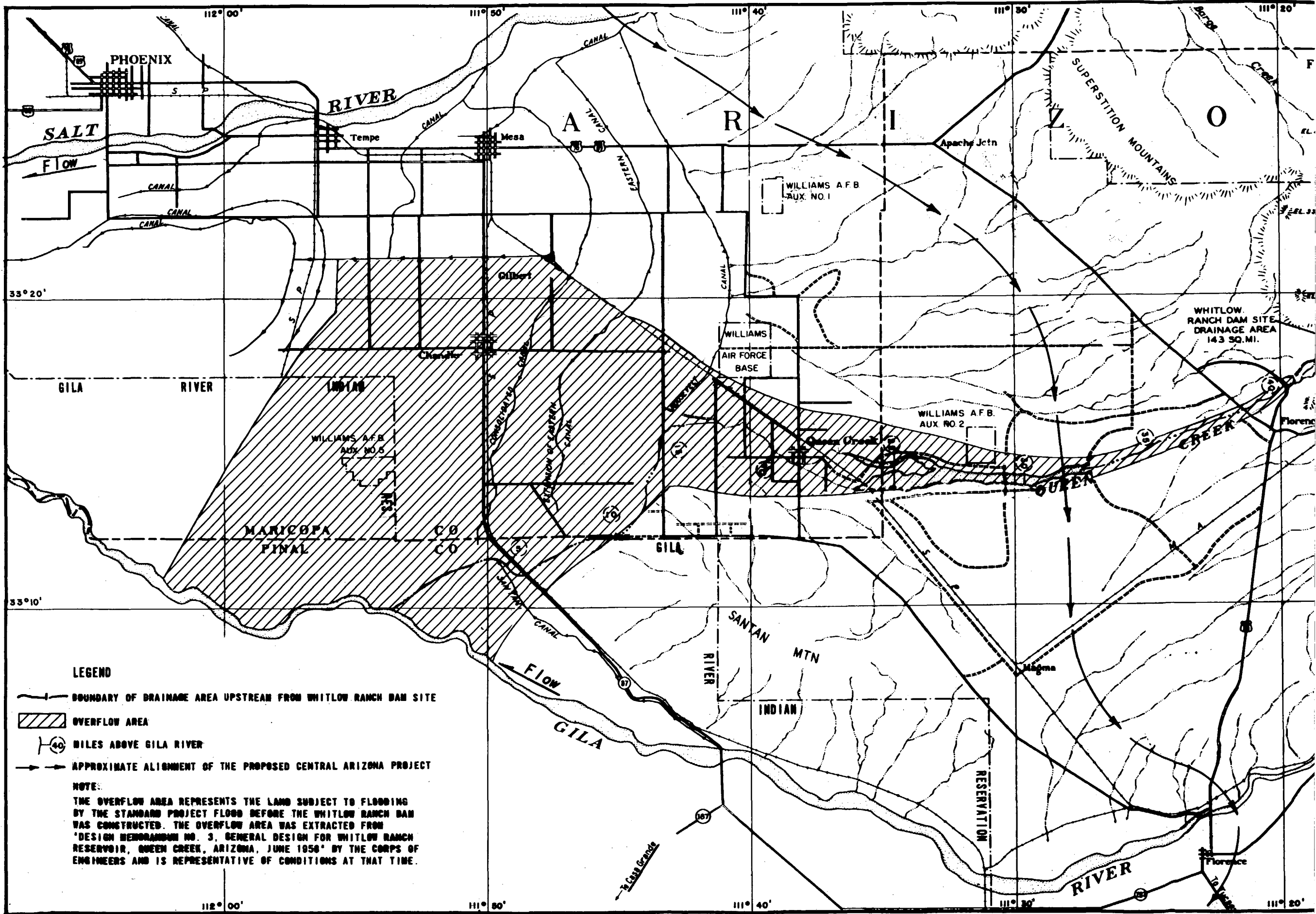


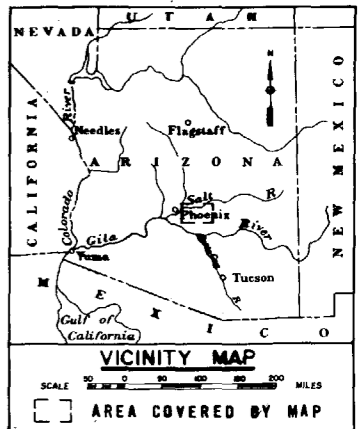
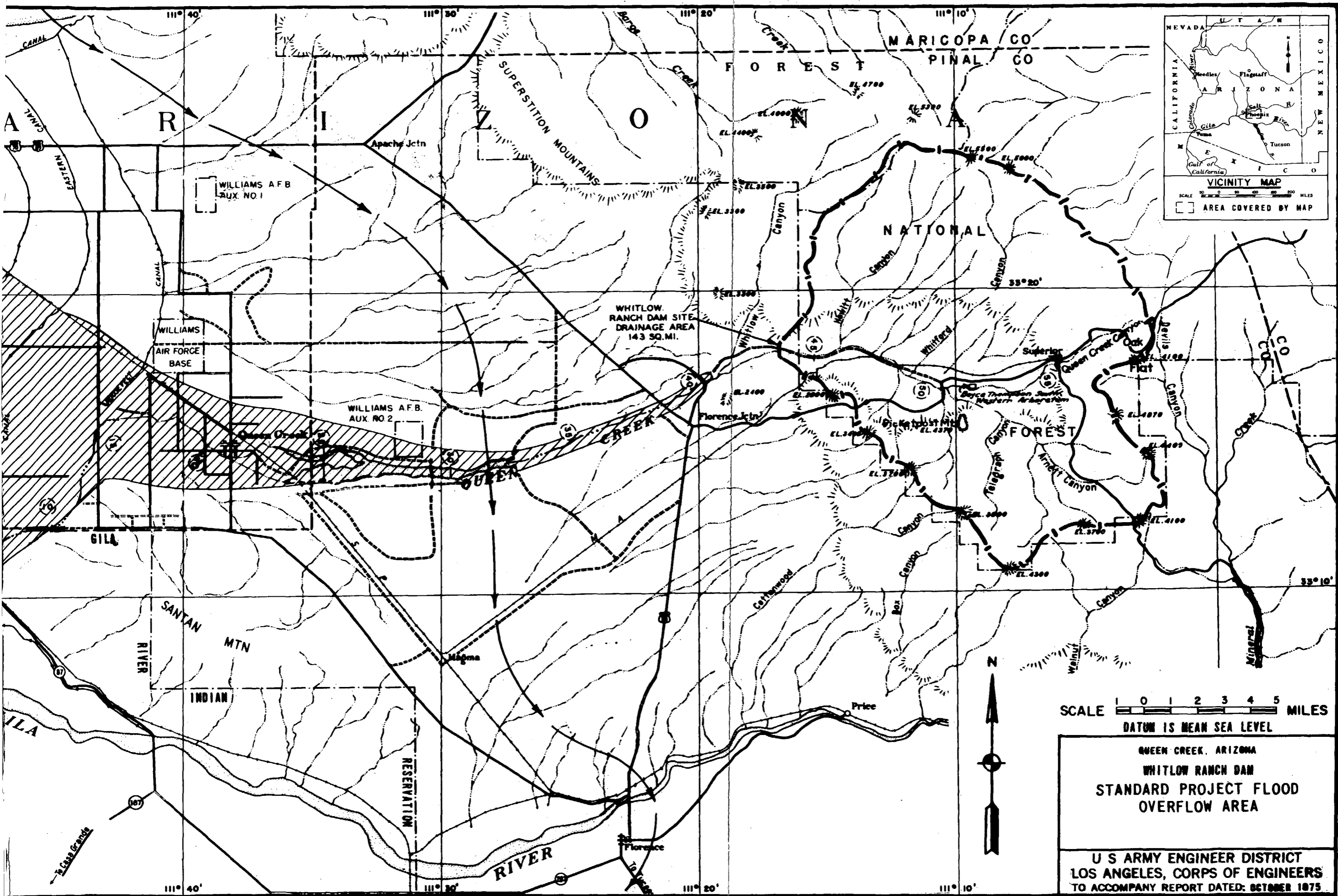
- LEGEND**
- BOUNDARY OF DRAINAGE AREA
  - FLOOD-CONTROL DAM & RESERVOIR
  - ISOHYET: LINE OF EQUAL MEAN SEASONAL PRECIPITATION IN INCHES
  - PRECIPITATION GAGE
  - STREAM GAGING
  - DISCONTINUED STREAM GAGE

- NOTES:**
1. ISOHYETS BASED ON GILA RIVER BASIN PRECIPITATION RECORDS (1868-1939).
  2. CONTOUR INTERVAL: 1000 FEET.
  3. DATUM IS MEAN SEA LEVEL.

QUEEN CREEK, ARIZONA  
 WHITLOW RANCH DAM  
 TOPOGRAPHY, DRAINAGE AREA  
 AND HYDROLOGIC MAP

U S ARMY ENGINEER DISTRICT  
 LOS ANGELES, CORPS OF ENGINEERS  
 TO ACCOMPANY REPORT DATED: OCTOBER 1975

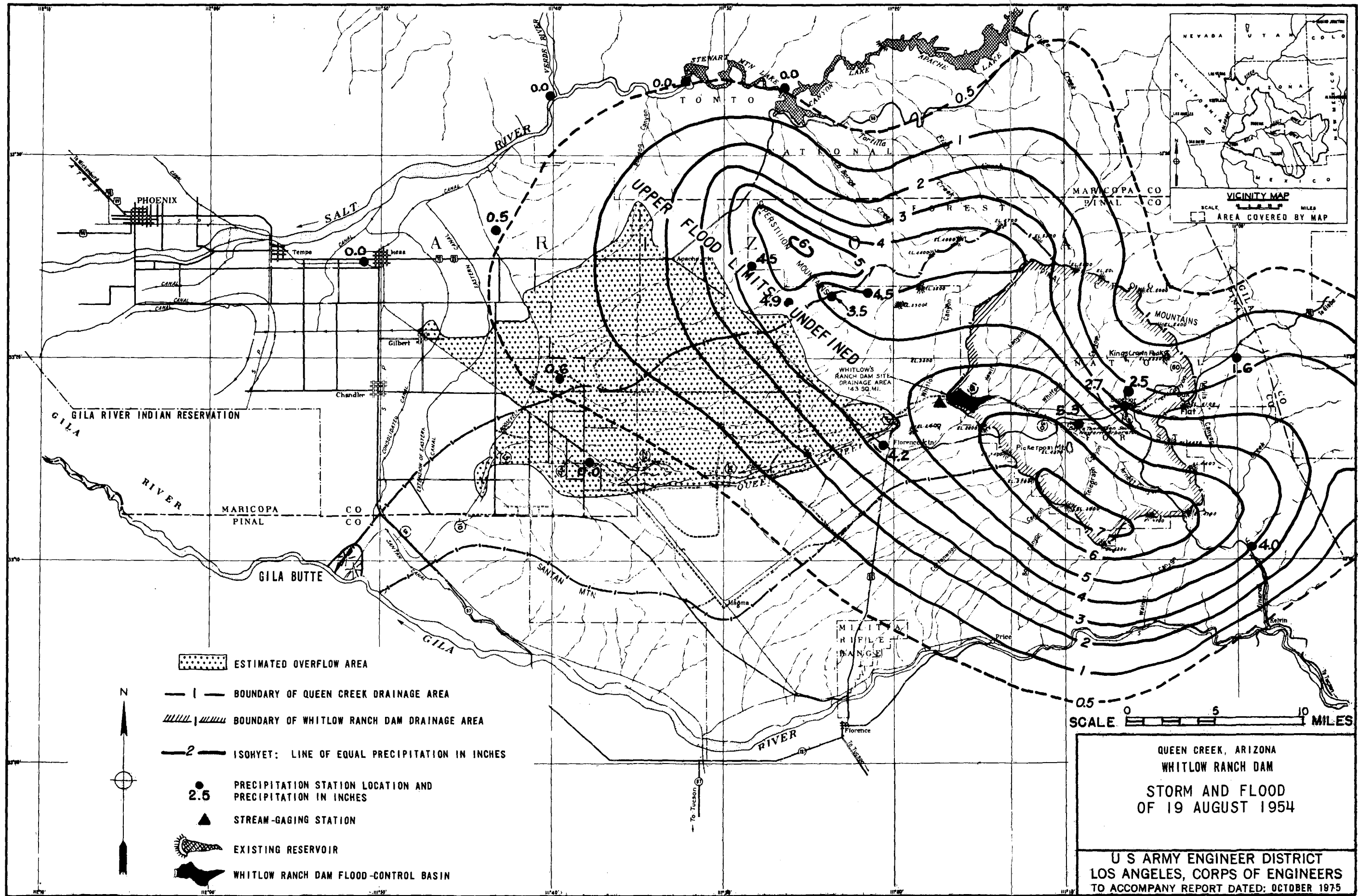




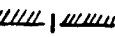
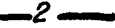






SCALE 0 1 2 3 4 5 MILES  
DATUM IS MEAN SEA LEVEL

QUEEN CREEK, ARIZONA  
WHITLOW RANCH DAM  
STANDARD PROJECT FLOOD  
OVERFLOW AREA

U S ARMY ENGINEER DISTRICT  
LOS ANGELES, CORPS OF ENGINEERS  
TO ACCOMPANY REPORT DATED: OCTOBER 1975



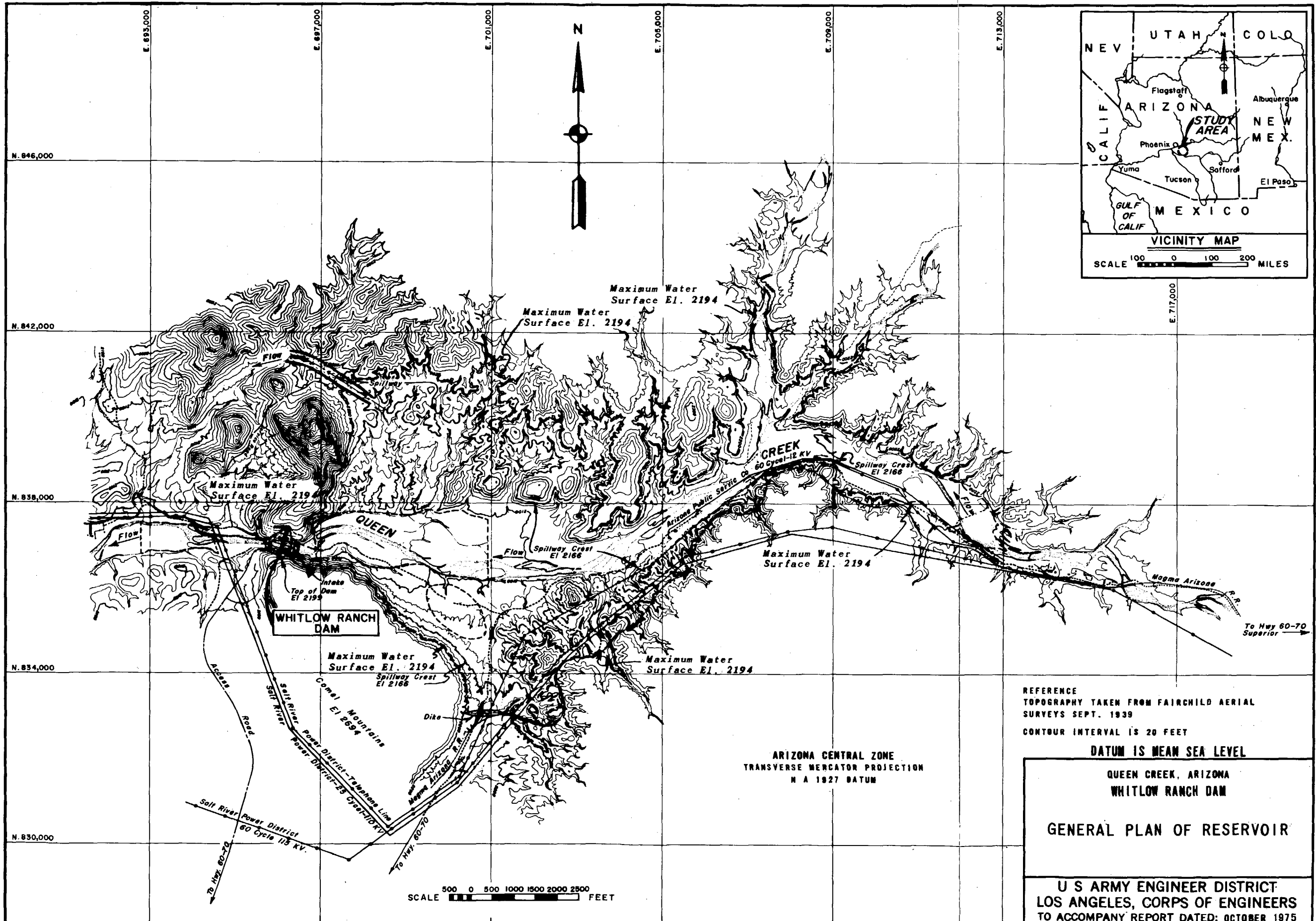
-  ESTIMATED OVERFLOW AREA
-  BOUNDARY OF QUEEN CREEK DRAINAGE AREA
-  BOUNDARY OF WHITLOW RANCH DAM DRAINAGE AREA
-  ISOHYET: LINE OF EQUAL PRECIPITATION IN INCHES
-  PRECIPITATION STATION LOCATION AND PRECIPITATION IN INCHES
-  STREAM-GAGING STATION
-  EXISTING RESERVOIR
-  WHITLOW RANCH DAM FLOOD-CONTROL BASIN

SCALE 0 5 10 MILES

QUEEN CREEK, ARIZONA  
 WHITLOW RANCH DAM  
 STORM AND FLOOD  
 OF 19 AUGUST 1954

U S ARMY ENGINEER DISTRICT  
 LOS ANGELES, CORPS OF ENGINEERS  
 TO ACCOMPANY REPORT DATED: OCTOBER 1975





REFERENCE  
 TOPOGRAPHY TAKEN FROM FAIRCHILD AERIAL  
 SURVEYS SEPT. 1939  
 CONTOUR INTERVAL IS 20 FEET  
 DATUM IS MEAN SEA LEVEL

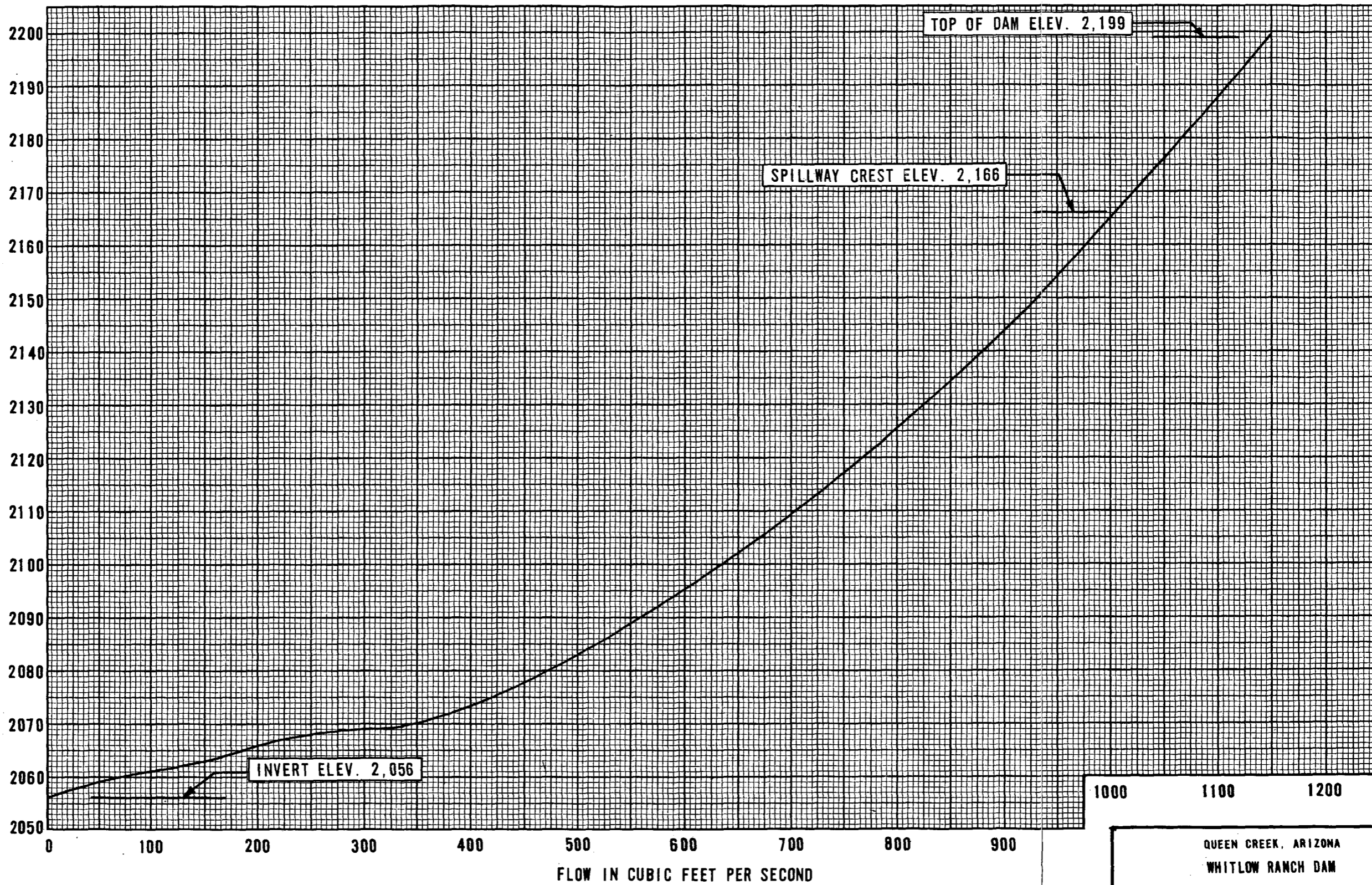
QUEEN CREEK, ARIZONA  
 WHITLOW RANCH DAM  
 GENERAL PLAN OF RESERVOIR  
 U S ARMY ENGINEER DISTRICT  
 LOS ANGELES, CORPS OF ENGINEERS  
 TO ACCOMPANY REPORT DATED: OCTOBER 1975

**Plates 6-8 are not currently available.**

For additional information, please contact the Los Angeles District Public Affairs Office at (213) 452-3908.



WATER-SURFACE ELEVATION IN FEET ABOVE MEAN SEA LEVEL

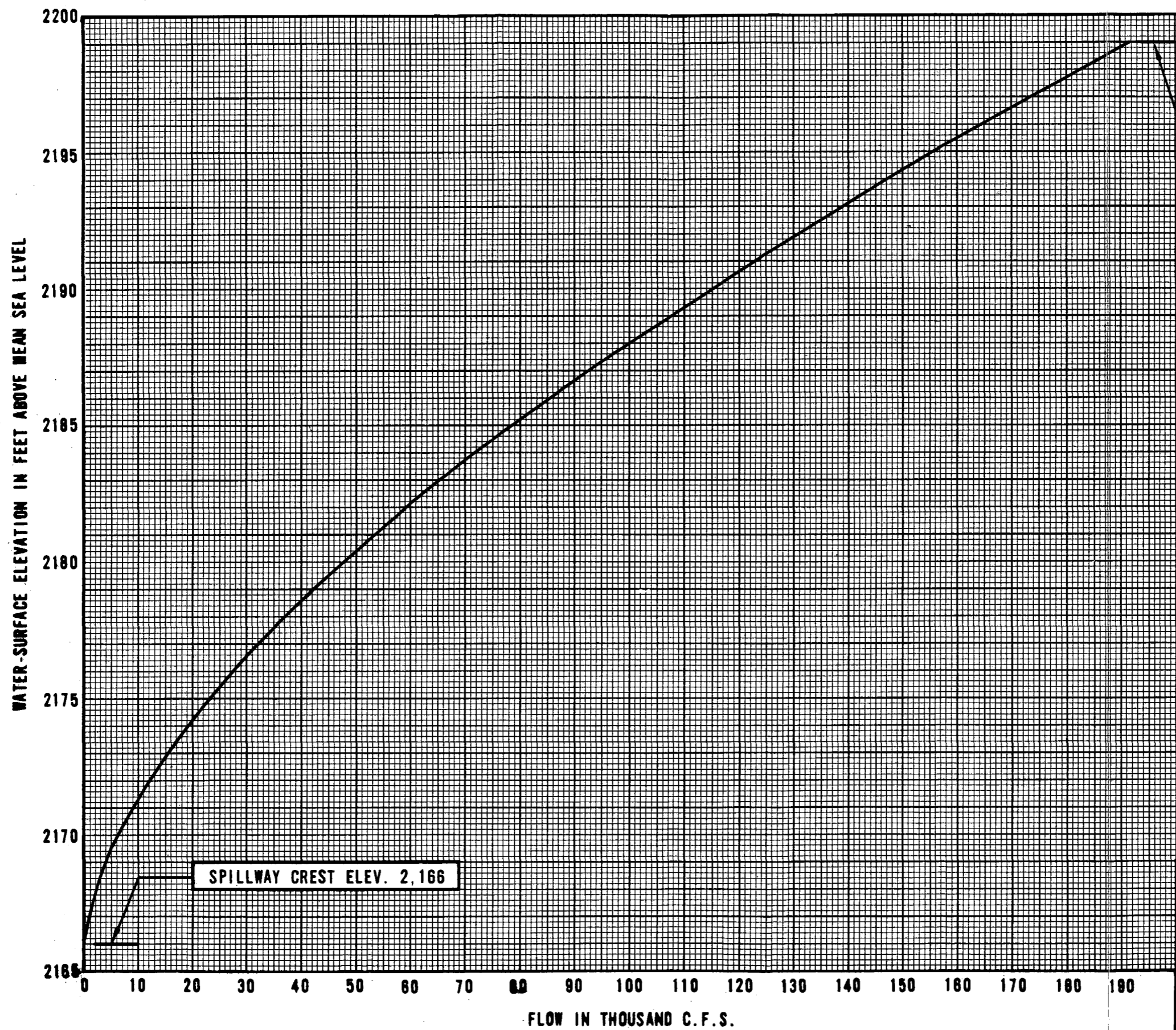


1000 1100 1200

QUEEN CREEK, ARIZONA  
WHITLOW RANCH DAM  
OUTLET RATING CURVE  
5.5-FT.-DIA. UNGATED CONDUIT  
U S ARMY ENGINEER DISTRICT  
LOS ANGELES, CORPS OF ENGINEERS  
TO ACCOMPANY REPORT DATED: OCTOBER 1975

**Plates 10-13 are not currently available.**

For additional information, please contact the Los Angeles District Public Affairs Office at (213) 452-3908.

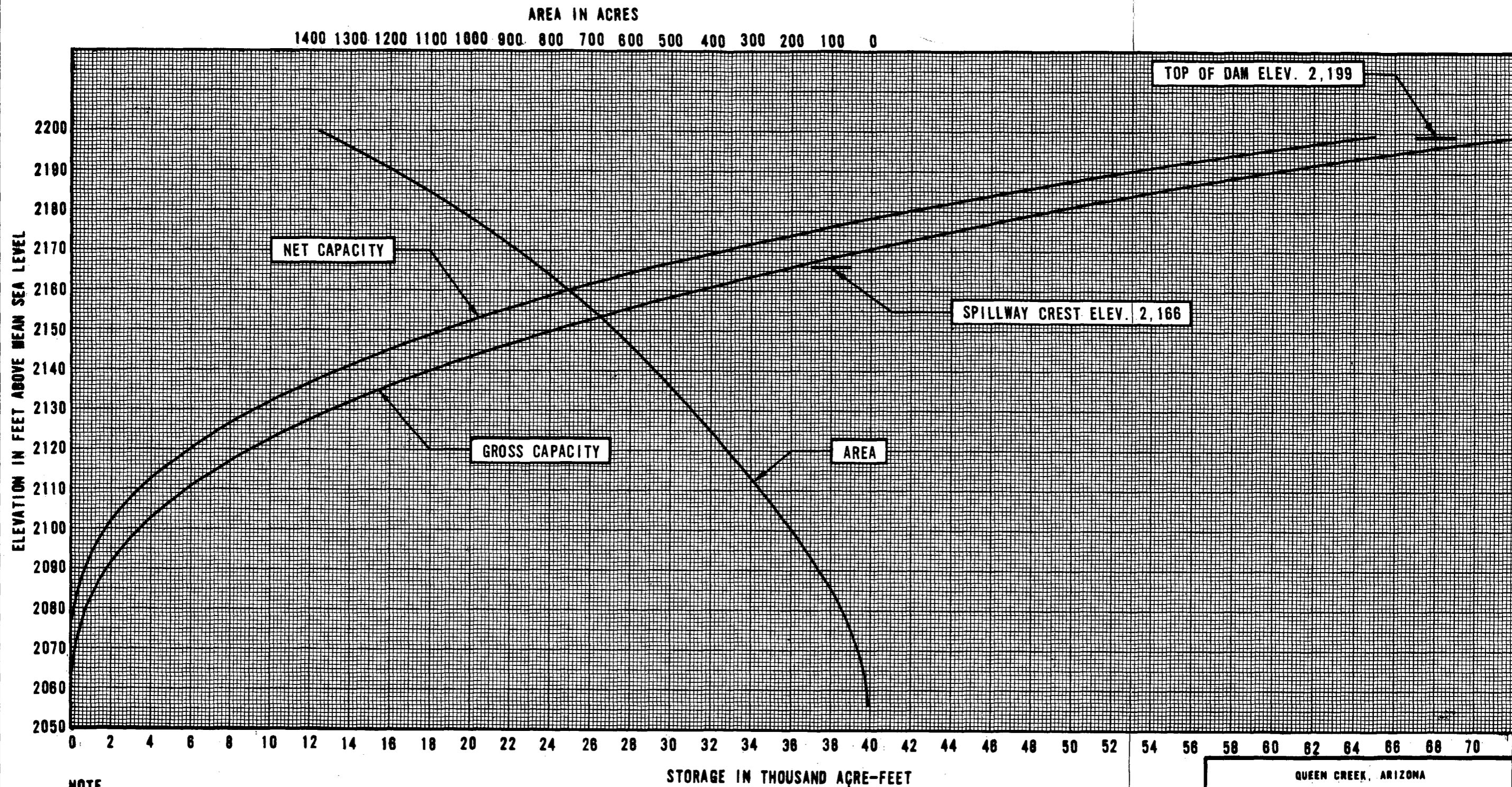


TOP OF DAM ELEV. 2,199

SPILLWAY CREST ELEV. 2,166

QUEEN CREEK, ARIZONA  
 WHITLOW RANCH DAM  
 SPILLWAY RATING CURVE  
 U S ARMY ENGINEER DISTRICT  
 LOS ANGELES, CORPS OF ENGINEERS  
 TO ACCOMPANY REPORT DATED: OCTOBER 1978

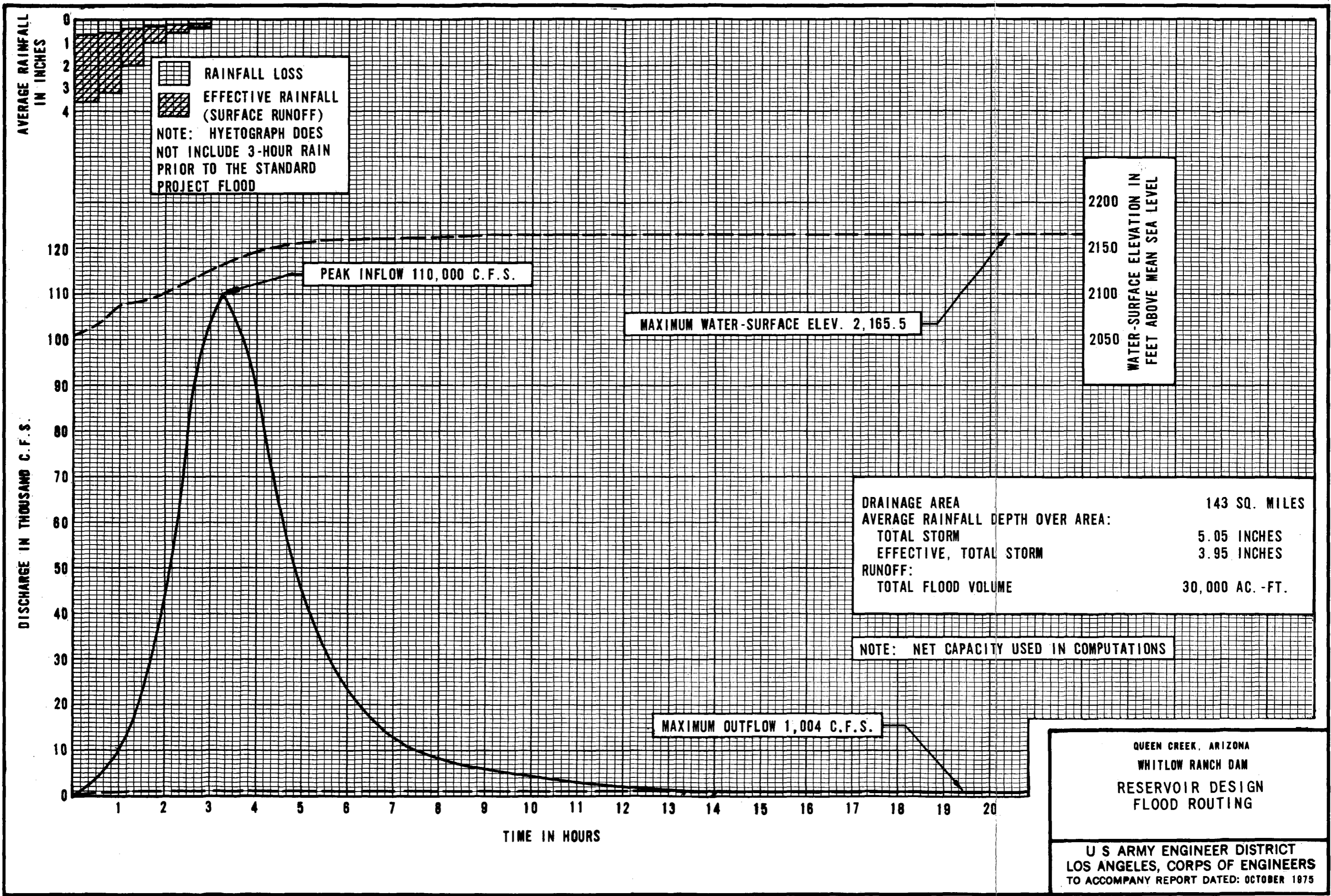


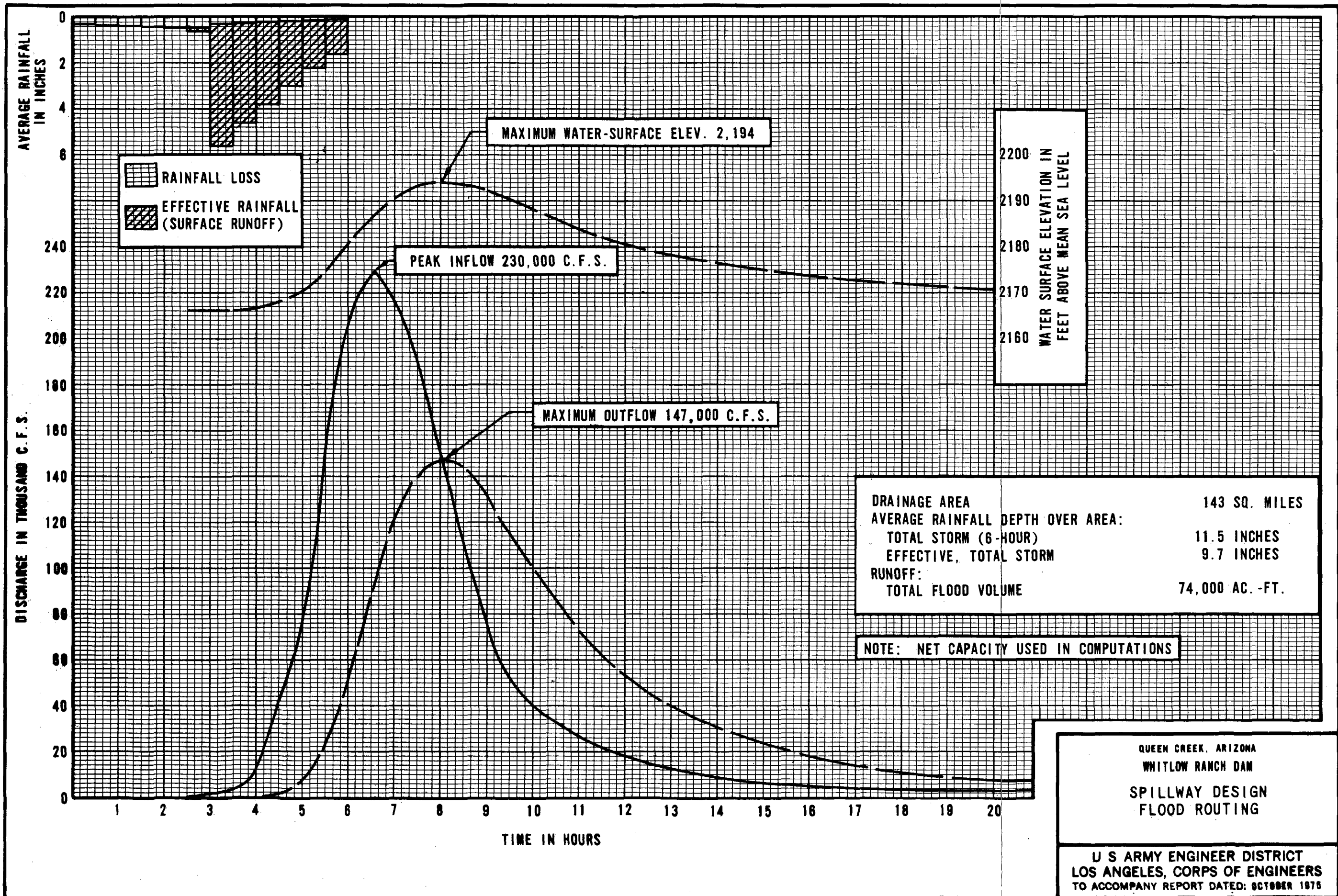


**NOTE**  
 BASED ON SURVEYS OF SEPTEMBER 1939,  
 MAY 1956, OCTOBER 1956, AND MAY 1957.

QUEEN CREEK, ARIZONA  
 WHITLOW RANCH DAM  
 RESERVOIR  
 AREA AND CAPACITY CURVE

U S ARMY ENGINEER DISTRICT  
 LOS ANGELES, CORPS OF ENGINEERS  
 TO ACCOMPANY REPORT DATED: OCTOBER 1976.





# CHAIN OF COMMAND FOR RESERVOIR OPERATIONS DECISIONS

## Corps of Engineers Los Angeles District

<u>Title</u>	<u>Office Phone Number</u>
District Engineer	(213) 894-5300 FTS 798-5300
Chief, Engineering Division	(213) 894-5470 FTS 798-5470
Chief, Hydrology & Hydraulic Branch	(213) 894-5520 FTS 798-5520
Chief, Hydrologic Engineering Section	(213) 894-4753 FTS 798-4753
Chief, Reservoir Regulation Unit	(213) 894-4756 FTS 798-4756

QUEEN CREEK, ARIZONA  
WHITLOW RANCH DAM

CHAIN OF COMMAND FOR  
RESERVOIR OPERATIONS DECISIONS

U S ARMY ENGINEER DISTRICT  
LOS ANGELES, CORPS OF ENGINEERS  
TO ACCOMPANY REPORT DATED: OCTOBER 1975

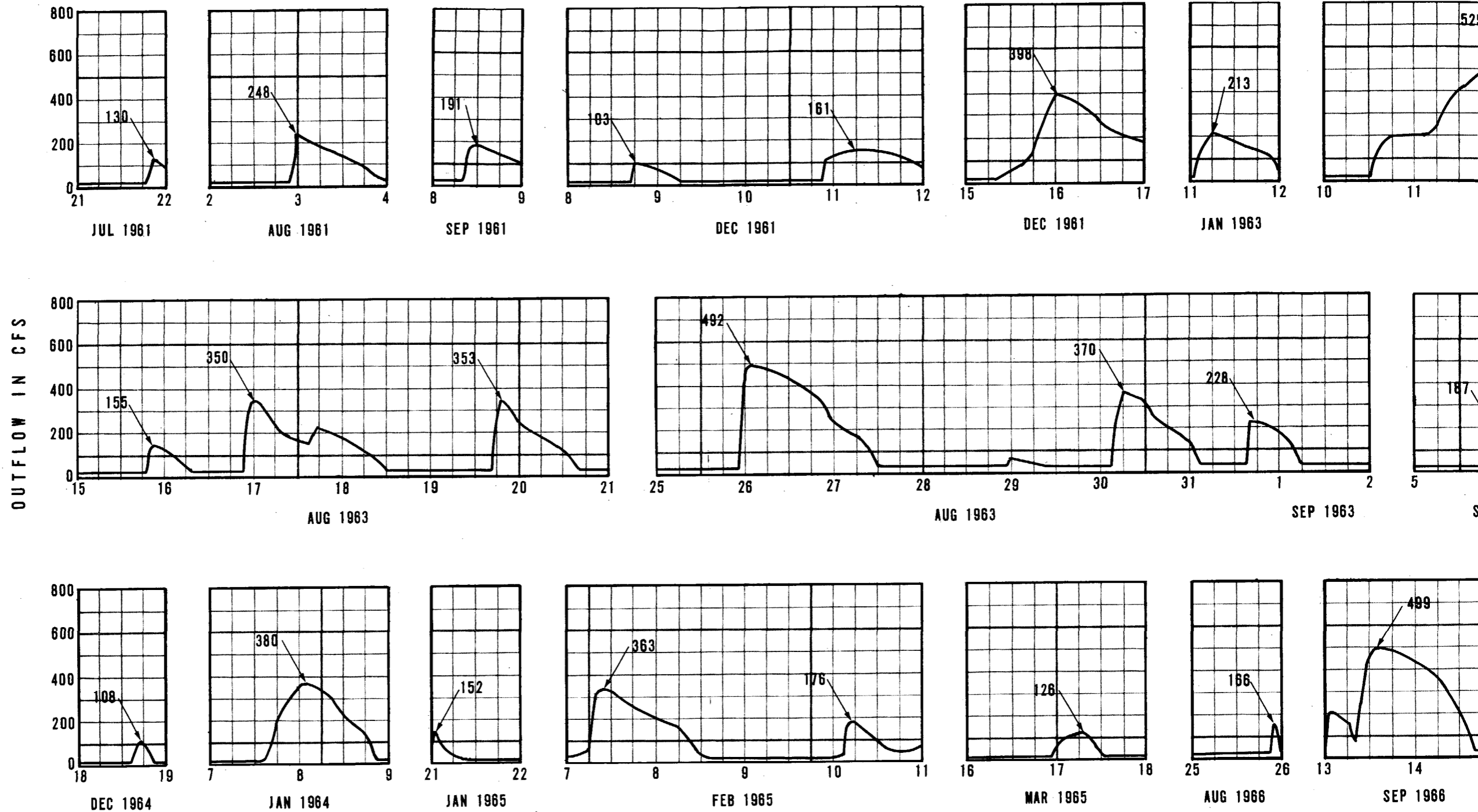
PLATE 18

Revised July 1985



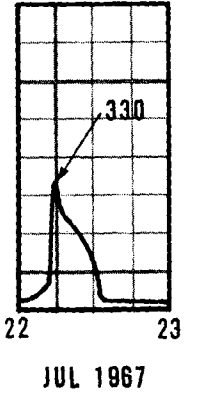
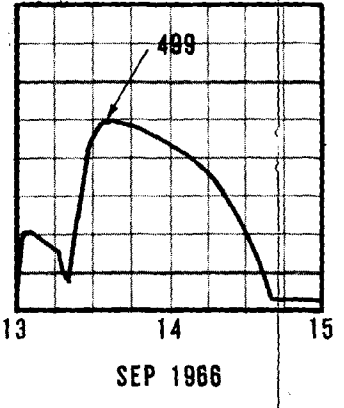
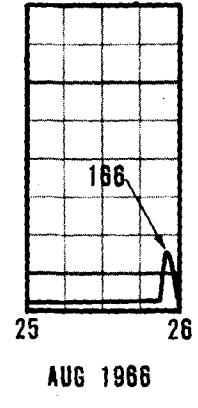
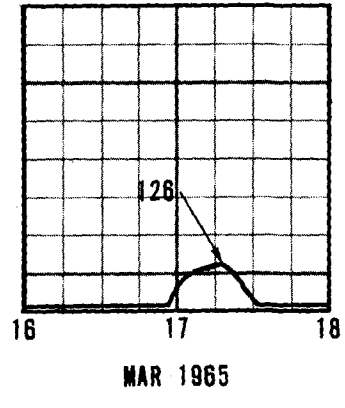
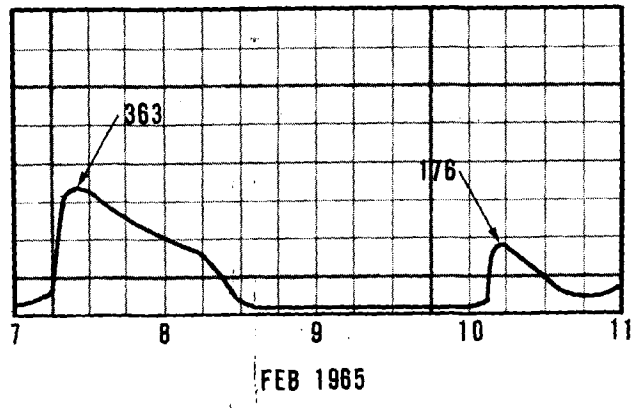
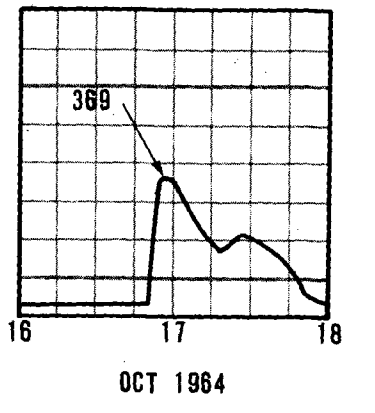
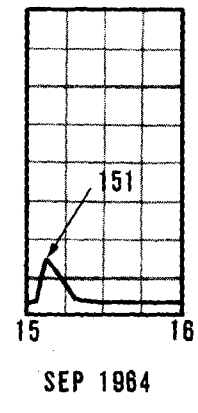
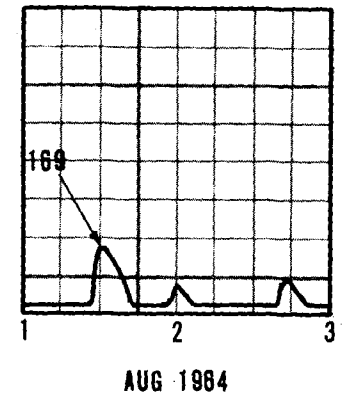
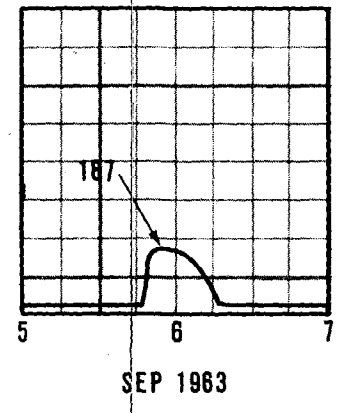
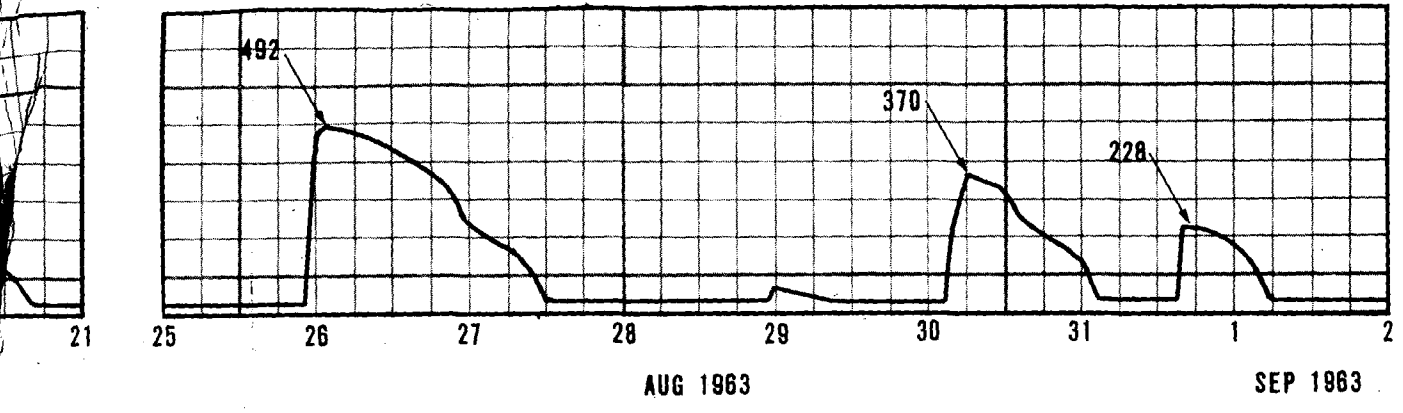
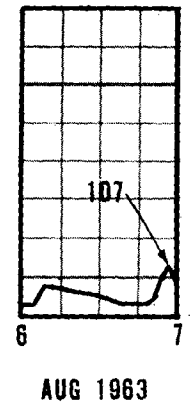
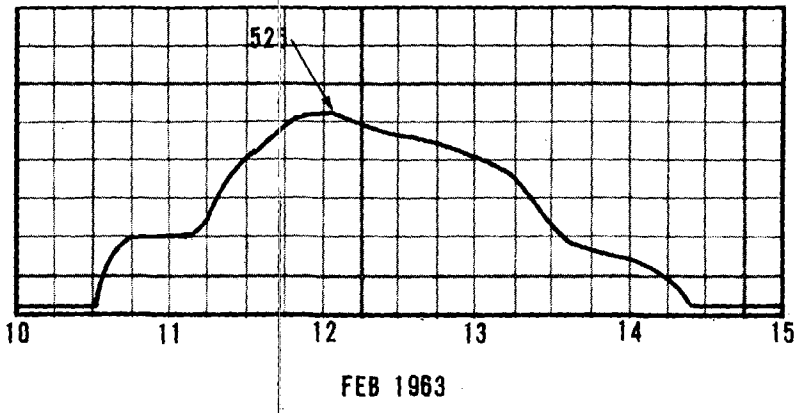
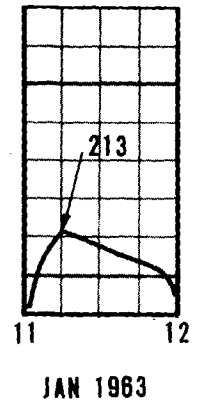
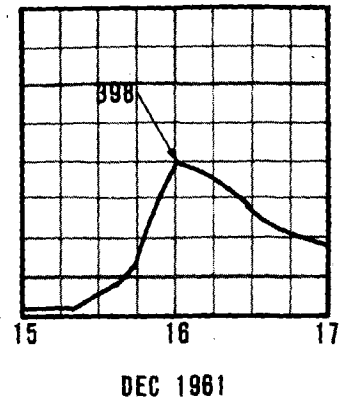
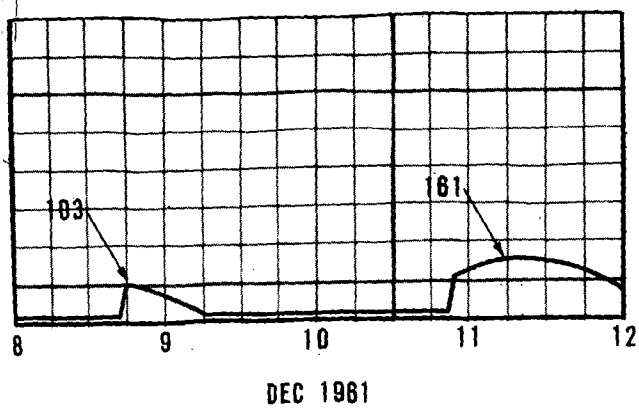
NOTE

Plates 19, 20 and 21 are deleted. The information on these plates is outdated and has been revised, consolidated and included on plate 18.



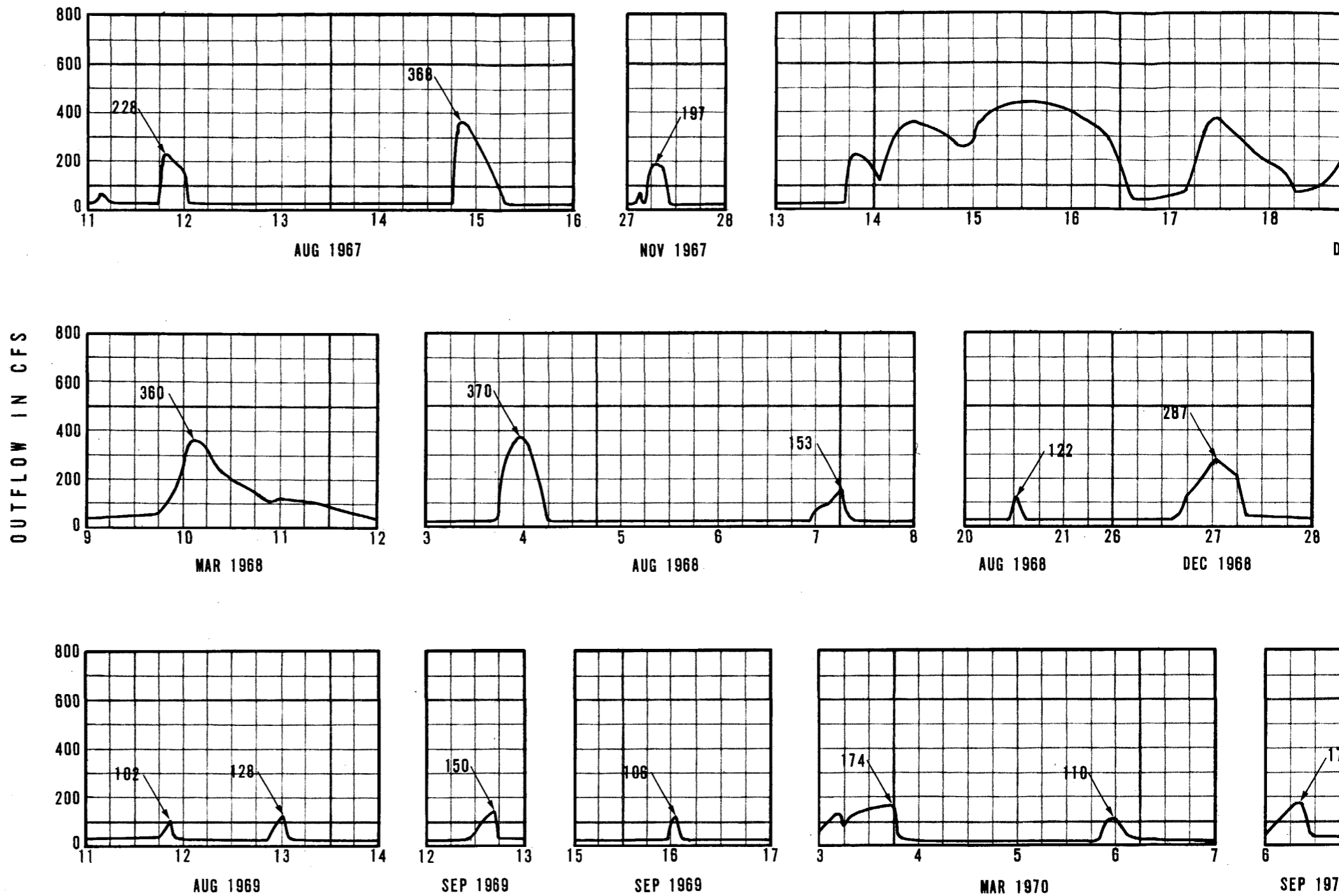
**NOTES:**

1. ONLY PERIODS WITH OUTFLOW GREATER THAN 100 CFS SHOWN.
2. CONTINUOUS OUTFLOW IS LESS THAN 10 CFS.
3. OUTFLOW RECORD IS FROM RESERVOIR WATER SURFACE RECORDS.
4. PERIOD OF RECORD IS FROM 5 JUNE 1958 TO 31 DEC 1973.
5. PEAK OUTFLOW IS INDICATED BY NUMERICAL VALUE FOR EACH FLOW PERIOD.
6. OUTFLOW RECORD IS NOT AVAILABLE FOR THE PERIOD OF 9 NOV 1965 TO 23 MARCH 1966.



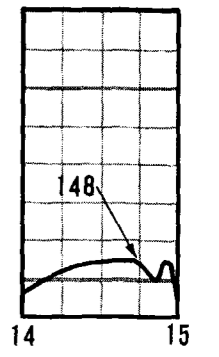
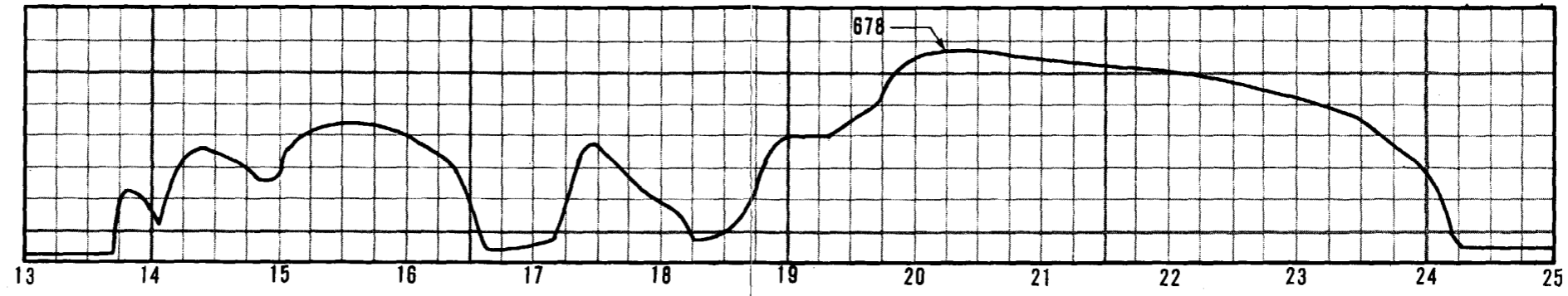
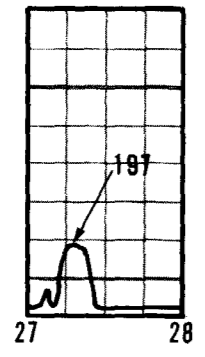
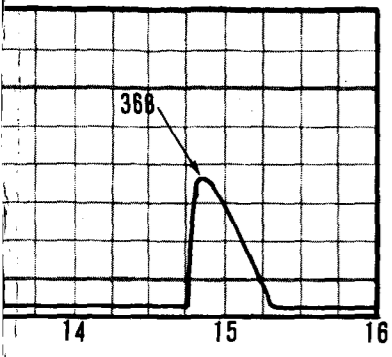
QUEEN CREEK, ARIZONA  
WHITLOW RANCH DAM  
HISTORICAL OPERATION  
U S ARMY ENGINEER DISTRICT  
LOS ANGELES, CORPS OF ENGINEERS  
TO ACCOMPANY REPORT DATED: OCTOBER 1975

ERIOD.  
TO 23 MARCH 1966.



**NOTES:**

1. ONLY PERIODS WITH OUTFLOW GREATER THAN 100 CFS SHOWN.
2. CONTINUOUS OUTFLOW IS LESS THAN 10 CFS.
3. OUTFLOW RECORD IS FROM RESERVOIR WATER SURFACE RECORDS.
4. PERIOD OF RECORD IS FROM 5 JUNE 1958 TO 31 DEC 1973.
5. PEAK OUTFLOW IS INDICATED BY NUMERICAL VALUE FOR EACH FLOW PERIOD.

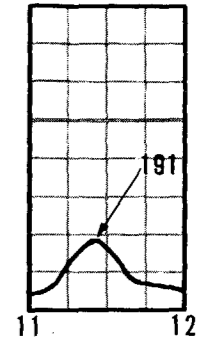
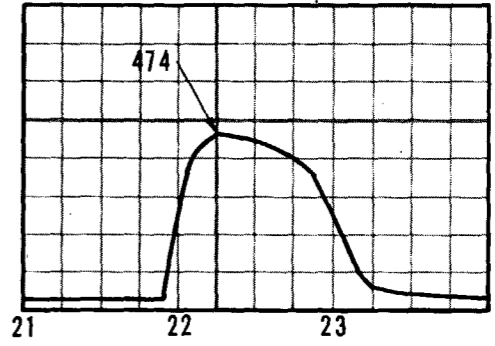
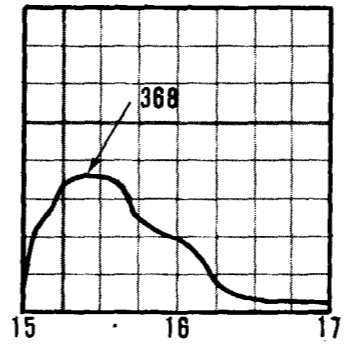
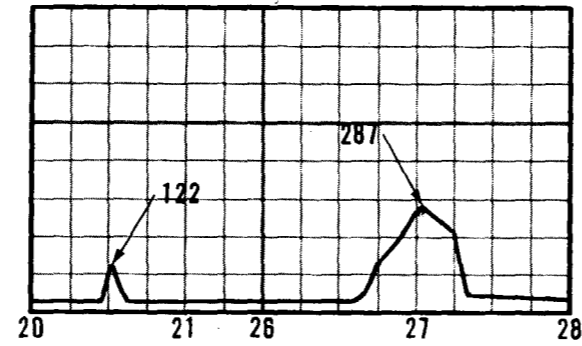
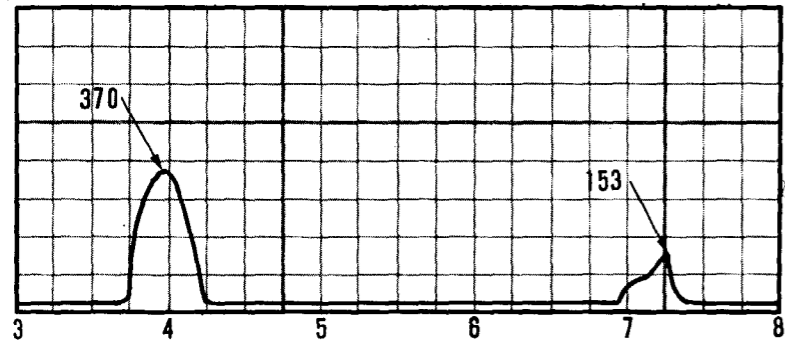


967

NOV 1967

DEC 1967

FEB 1968



AUG 1968

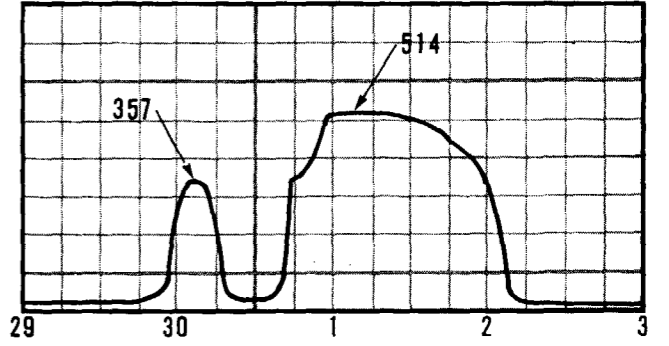
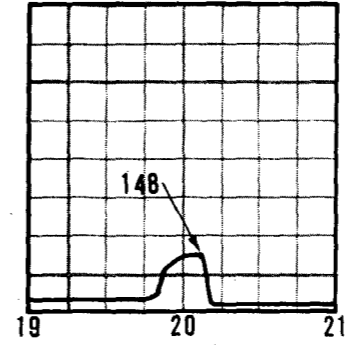
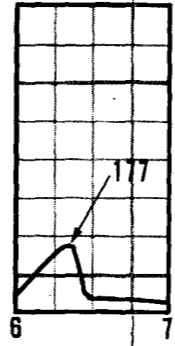
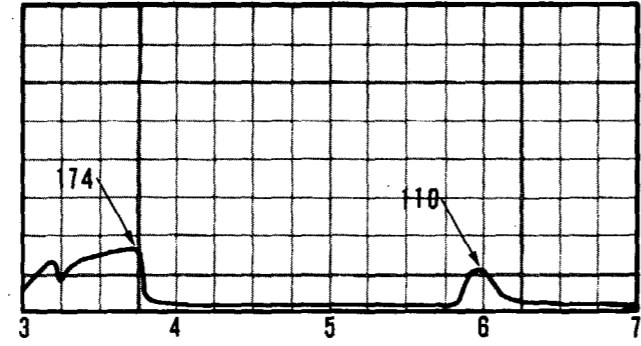
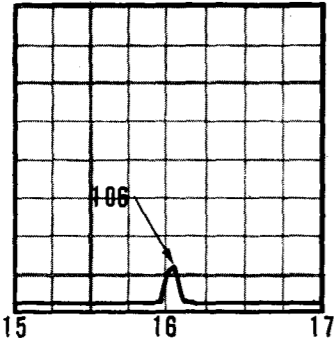
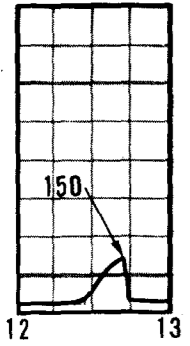
AUG 1968

DEC 1968

JAN 1969

JAN 1969

MAR 1969



SEP 1969

SEP 1969

MAR 1970

SEP 1970

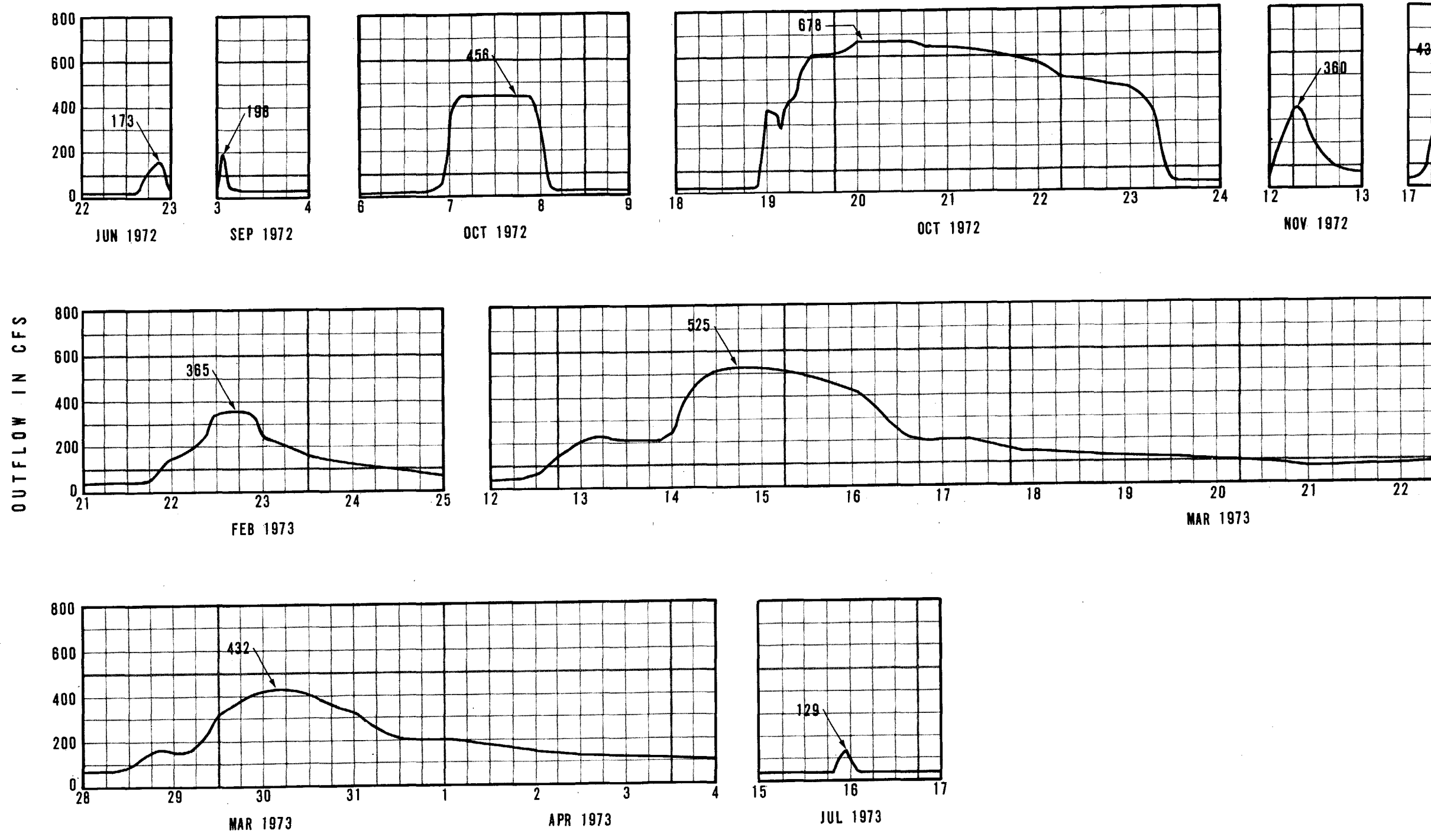
AUG 1971

SEP 1971

OCT 1971

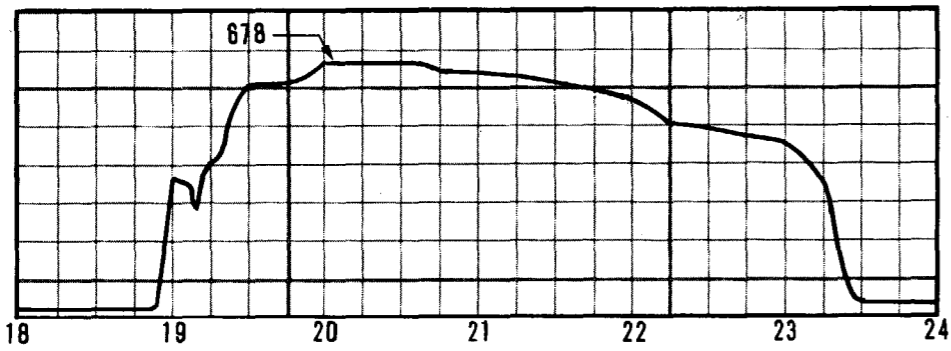
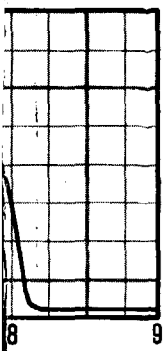
GREATER THAN 100 CFS SHOWN.  
 THAN 10 CFS.  
 RESERVOIR WATER SURFACE RECORDS.  
 JUNE 1958 TO 31 DEC 1973.  
 BY NUMERICAL VALUE FOR EACH FLOW PERIOD.

QUEEN CREEK, ARIZONA  
 WHITLOW RANCH DAM  
 HISTORICAL OPERATION  
 U S ARMY ENGINEER DISTRICT  
 LOS ANGELES, CORPS OF ENGINEERS  
 TO ACCOMPANY REPORT DATED: OCTOBER 1975

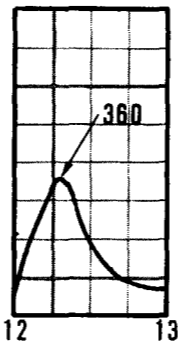


**NOTES:**

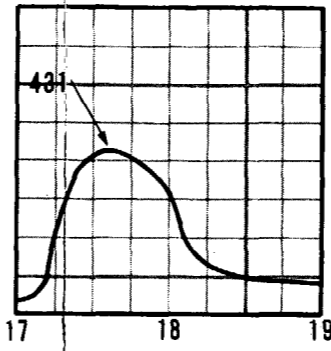
1. ONLY PERIODS WITH OUTFLOW GREATER THAN 100 CFS SHOWN.
2. CONTINUOUS OUTFLOW IS LESS THAN 10 CFS.
3. OUTFLOW RECORD IS FROM RESERVOIR WATER SURFACE RECORDS.
4. PERIOD OF RECORD IS FROM 5 JUNE 1958 TO 31 DEC 1973.
5. PEAK OUTFLOW IS INDICATED BY NUMERICAL VALUE FOR EACH FLOW PERIOD.



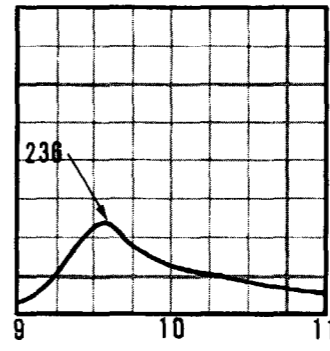
OCT 1972



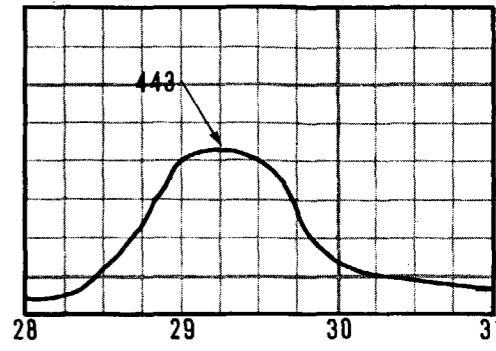
NOV 1972



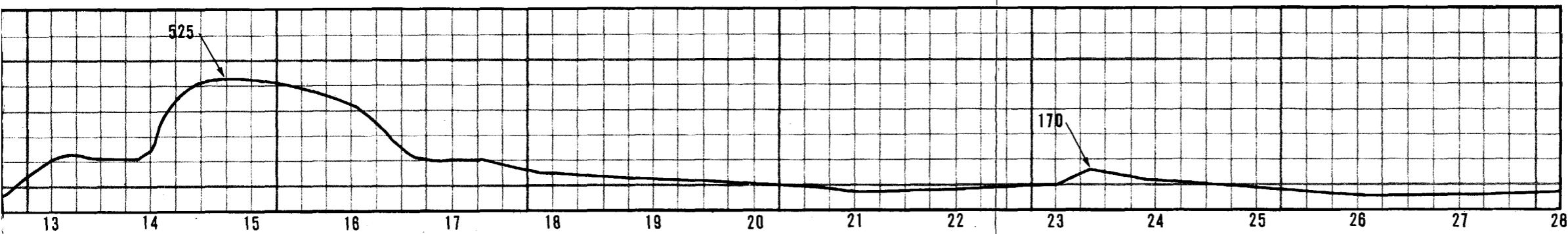
NOV 1972



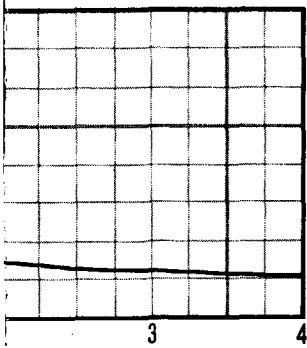
DEC 1972



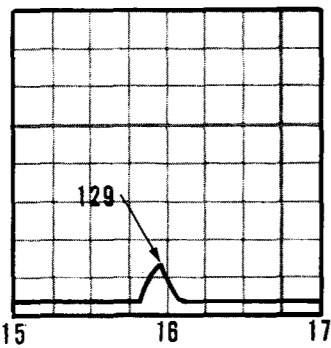
DEC 1972



MAR 1973



APR 1973

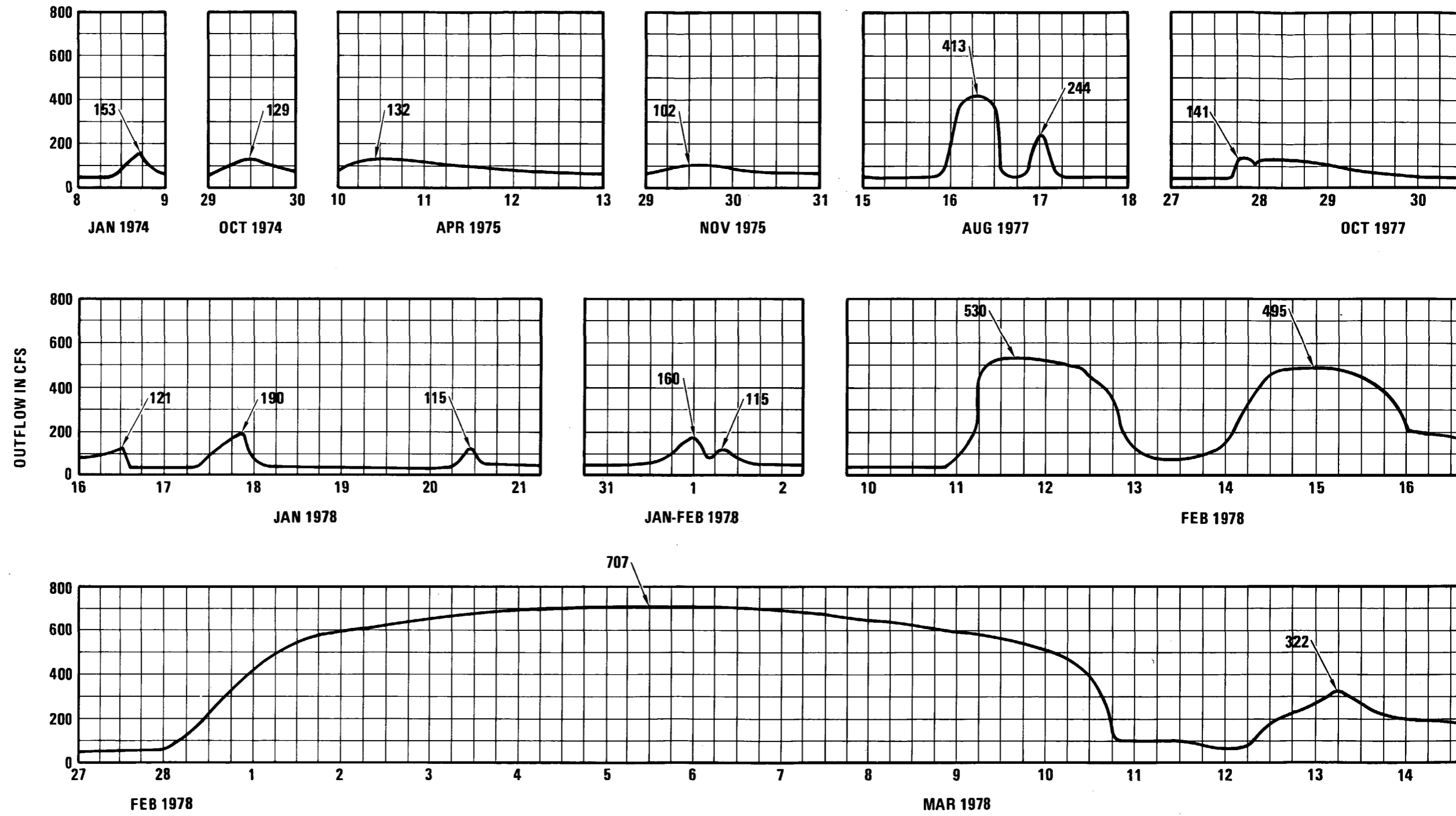


JUL 1973

QUEEN CREEK, ARIZONA  
 WHITLOW RANCH DAM  
 HISTORICAL OPERATION  
 U S ARMY ENGINEER DISTRICT  
 LOS ANGELES, CORPS OF ENGINEERS  
 TO ACCOMPANY REPORT DATED: OCTOBER 1975

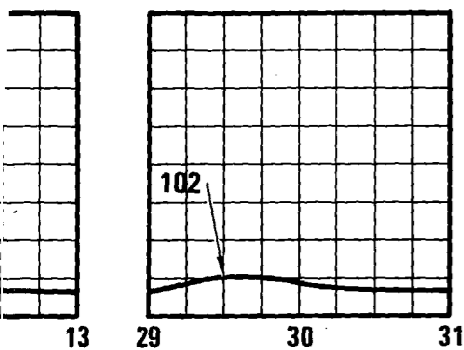
FLOW PERIOD.



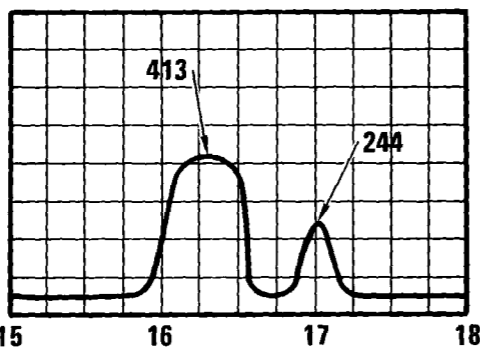


**NOTES:**

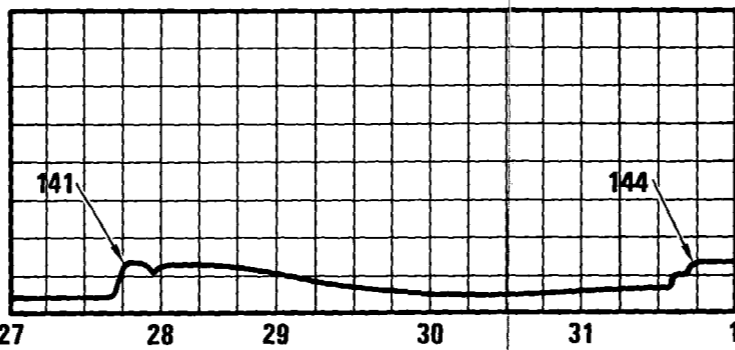
1. ONLY PERIODS WITH OUTFLOW GREATER THAN 100 CFS SHOWN.
2. CONTINUOUS OUTFLOW IS LESS THAN 10 CFS.
3. OUTFLOW RECORD IS FROM RESERVOIR WATER SURFACE RECORDS.
4. PERIOD OF RECORD IS FROM 5 JUNE 1958 TO 30 SEPTEMBER 1984.
5. PEAK OUTFLOW IS INDICATED BY NUMERICAL VALUE FOR EACH FLOW PERIOD.



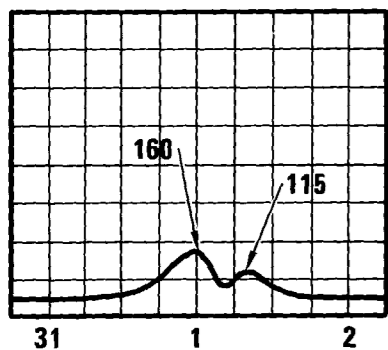
NOV 1975



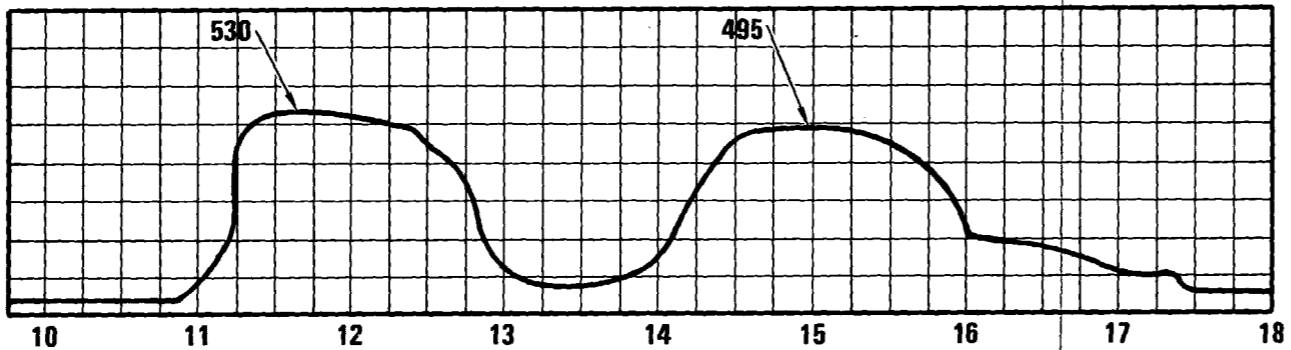
AUG 1977



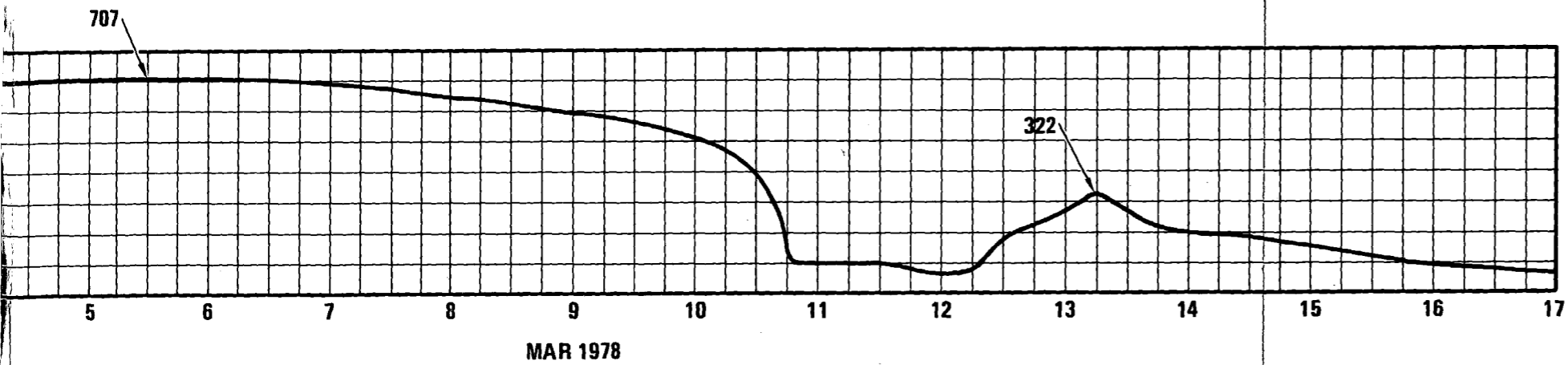
OCT 1977



JAN-FEB 1978



FEB 1978

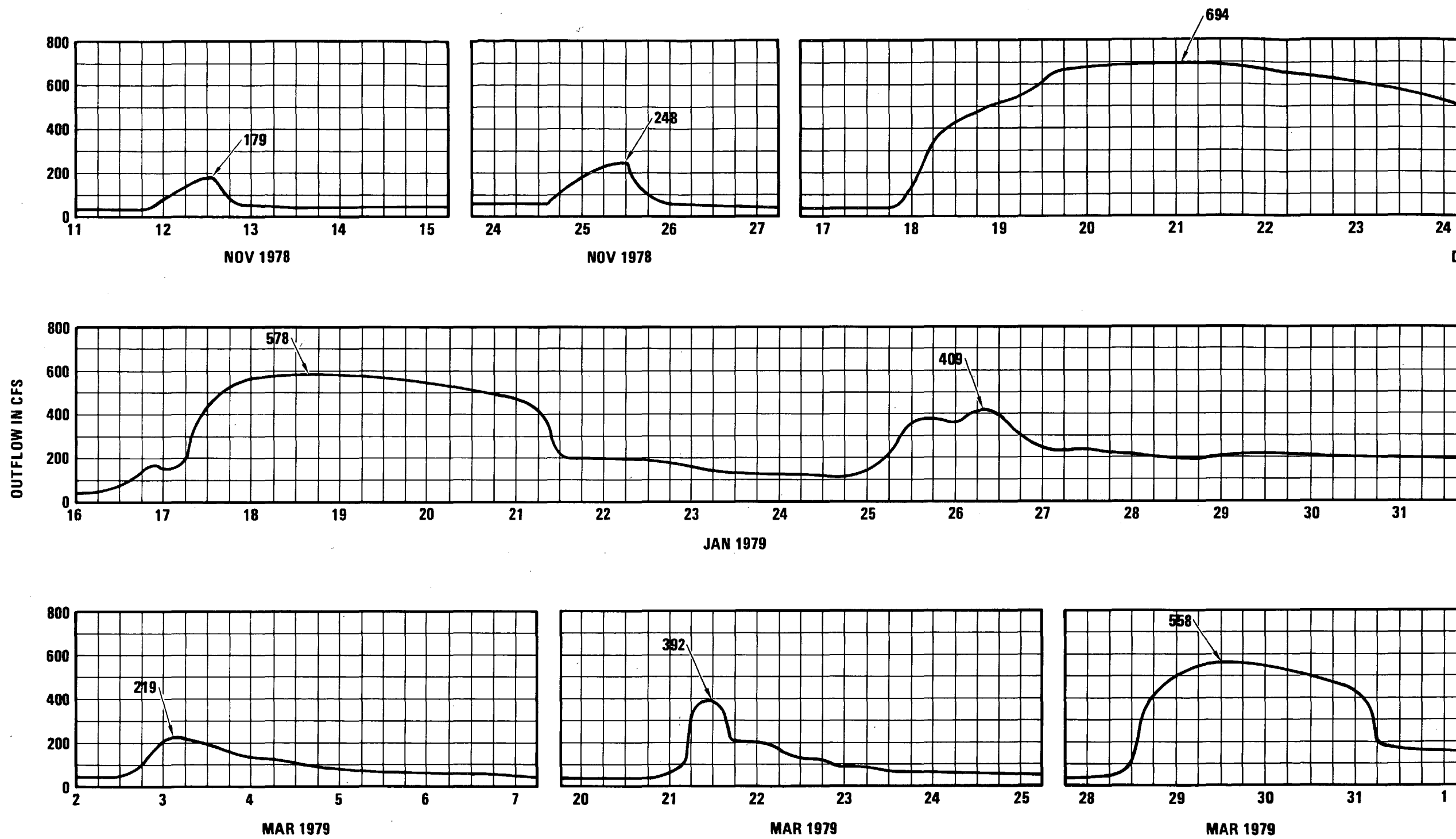


MAR 1978

0 CFS SHOWN.

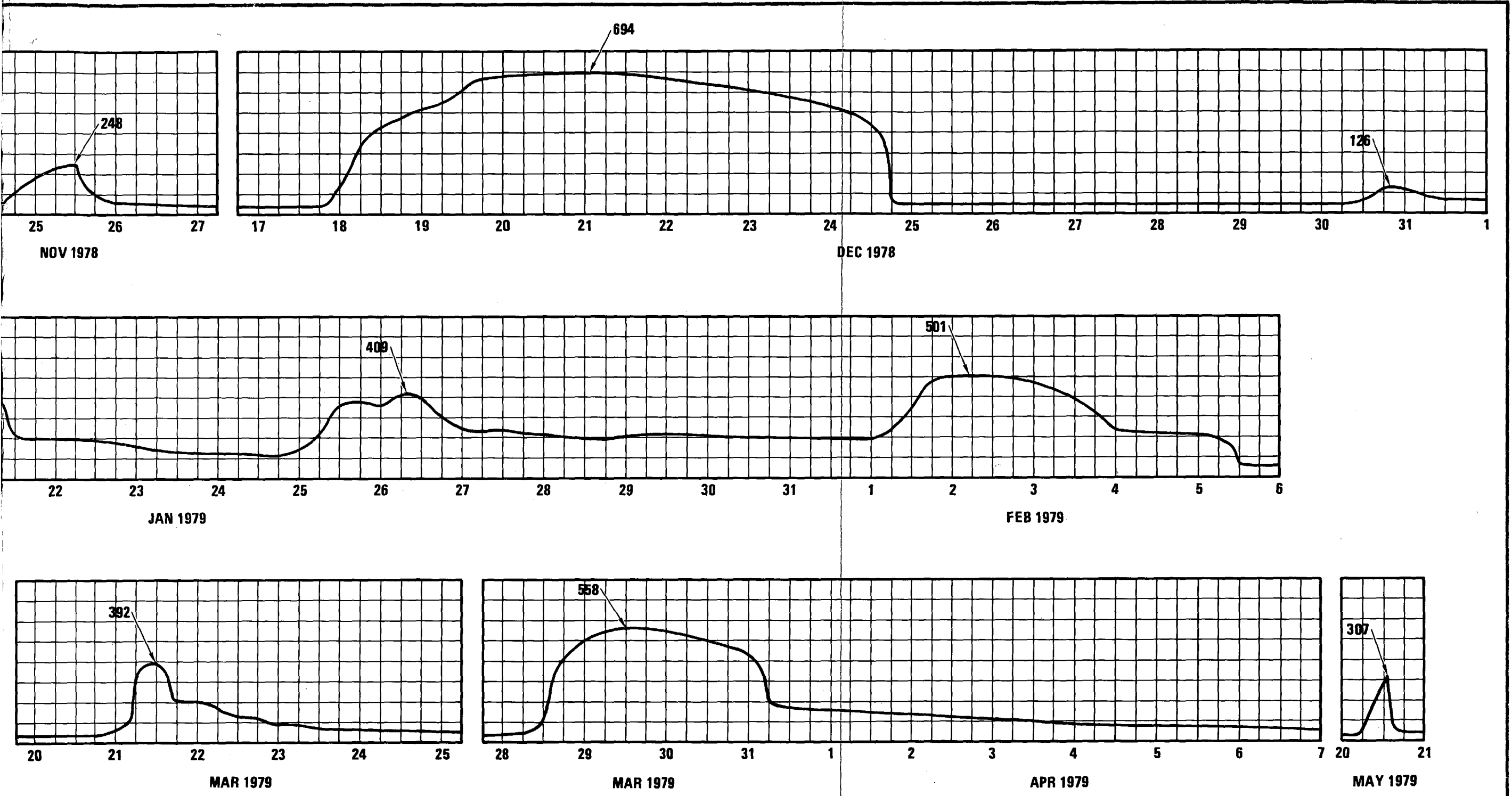
RFACE RECORDS.  
 PTEMBER 1984.  
 E FOR EACH FLOW PERIOD.

QUEEN CREEK, ARIZONA  
 WHITLOW RANCH DAM  
 HISTORICAL OPERATION  
 U S ARMY ENGINEER DISTRICT  
 LOS ANGELES, CORPS OF ENGINEERS  
 TO ACCOMPANY REPORT DATED: OCTOBER 1975



**NOTES:**

1. ONLY PERIODS WITH OUTFLOW GREATER THAN 100 CFS SHOWN.
2. CONTINUOUS OUTFLOW IS LESS THAN 10 CFS.
3. OUTFLOW RECORD IS FROM RESERVOIR WATER SURFACE RECORDS.
4. PERIOD OF RECORD IS FROM 5 JUNE 1958 TO 30 SEPTEMBER 1984.
5. PEAK OUTFLOW IS INDICATED BY NUMERICAL VALUE FOR EACH FLOW PERIOD.

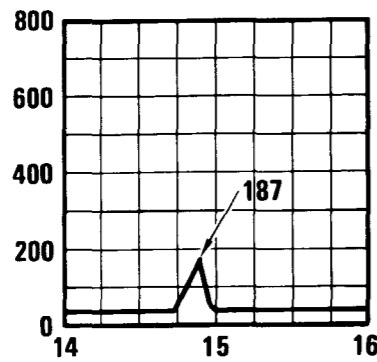


FS SHOWN.  
 ICE RECORDS.  
 EMBER 1984.  
 FOR EACH FLOW PERIOD.

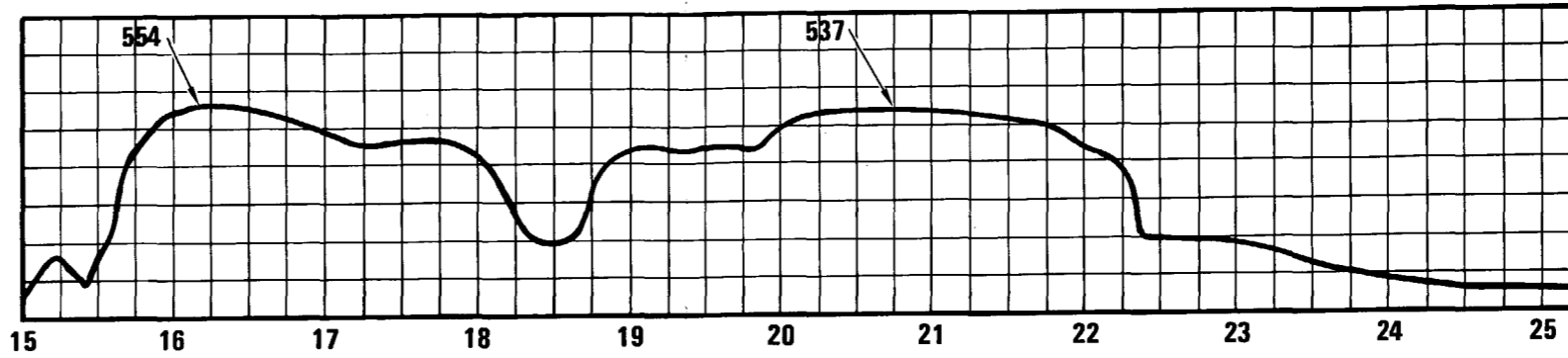
QUEEN CREEK, ARIZONA  
 WHITLOW RANCH DAM

HISTORICAL OPERATION

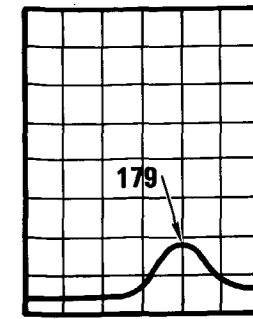
U S ARMY ENGINEER DISTRICT  
 LOS ANGELES, CORPS OF ENGINEERS  
 TO ACCOMPANY REPORT DATED: OCTOBER 1975



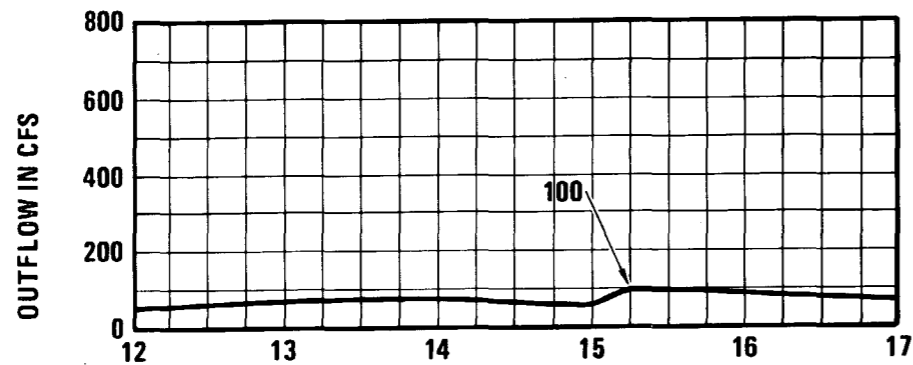
AUG 1979



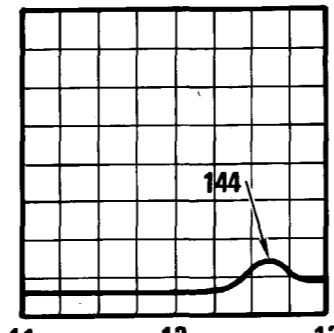
FEB 1980



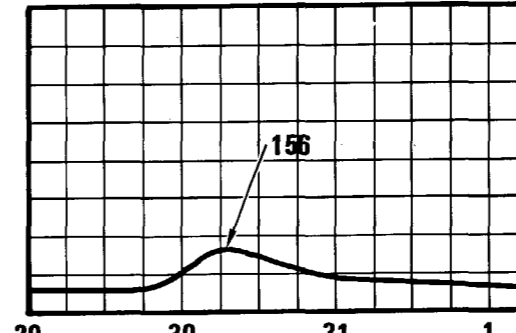
MAR 1980



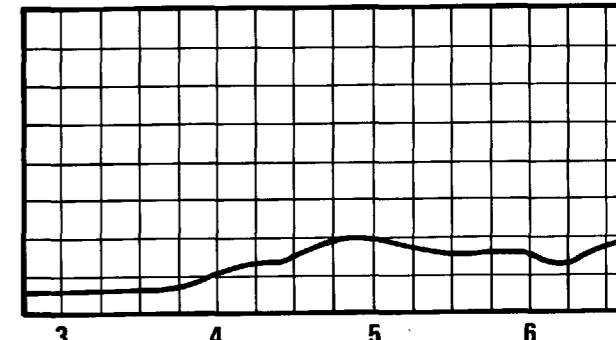
MAY 1982



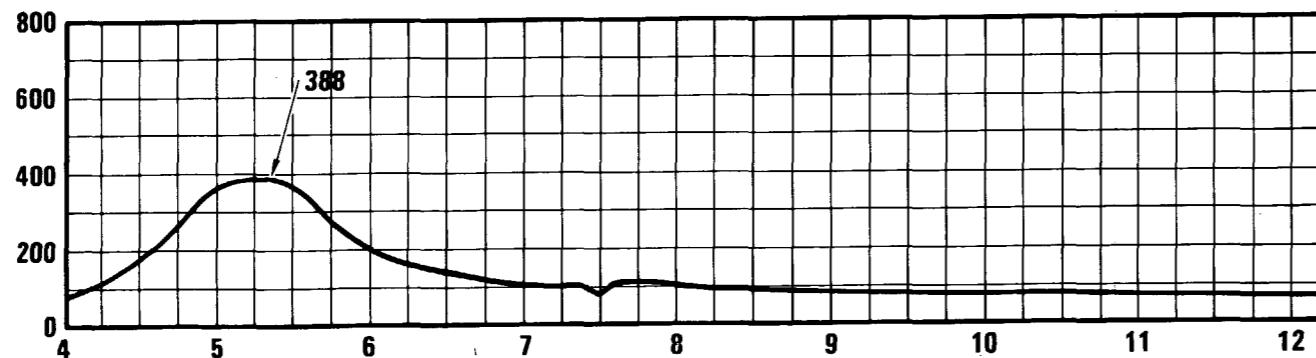
AUG 1982



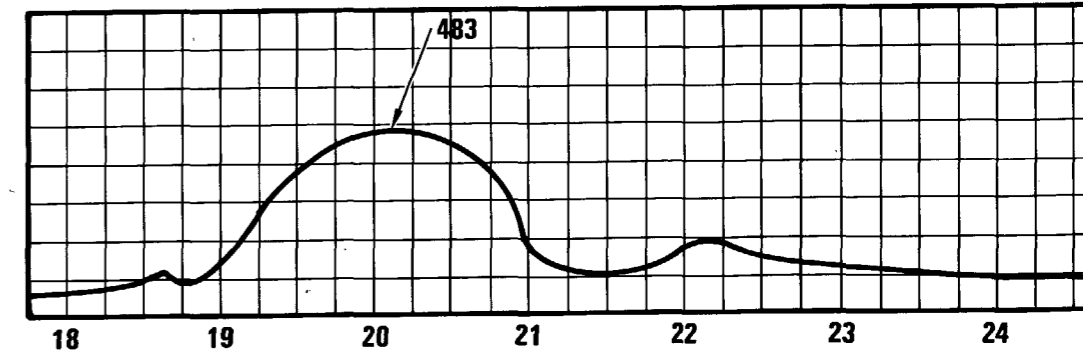
JAN 1983



MAR 1983

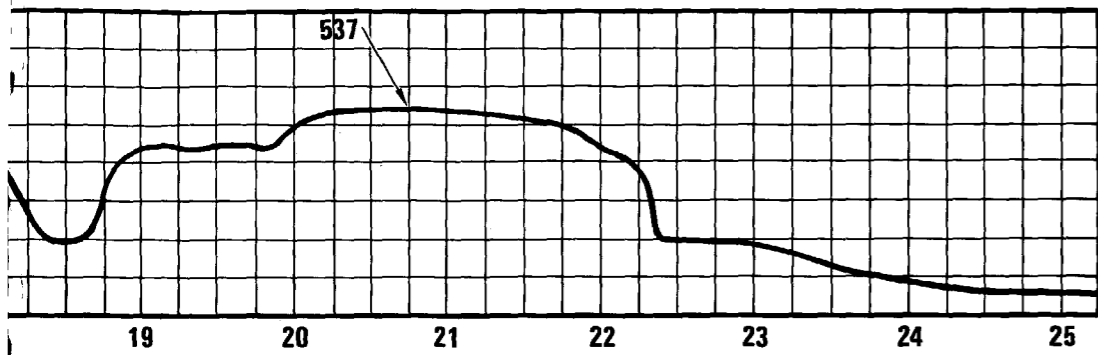


MAR 1983

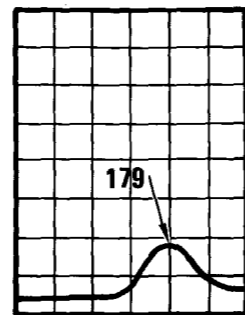


NOTES:

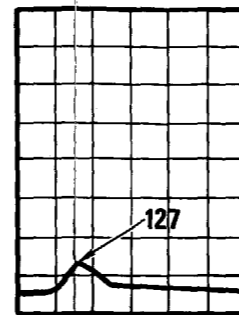
1. ONLY PERIODS WITH OUTFLOW GREATER THAN 100 CFS SHOWN.
2. CONTINUOUS OUTFLOW IS LESS THAN 10 CFS.
3. OUTFLOW RECORD IS FROM RESERVOIR WATER SURFACE RECORDS.
4. PERIOD OF RECORD IS FROM 5 JUNE 1958 TO 30 SEPTEMBER 1984.
5. PEAK OUTFLOW IS INDICATED BY NUMERICAL VALUE FOR EACH FLOW PERIOD.



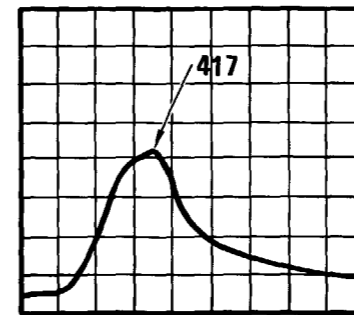
FEB 1980



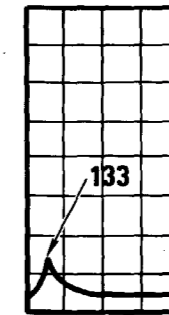
MAR 1980



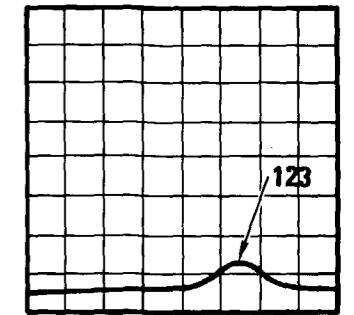
MAR 1980



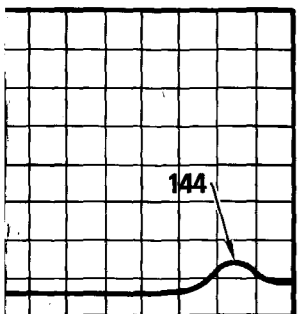
MAR 1980



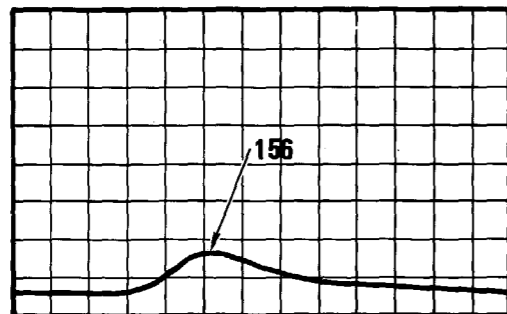
AUG 1980



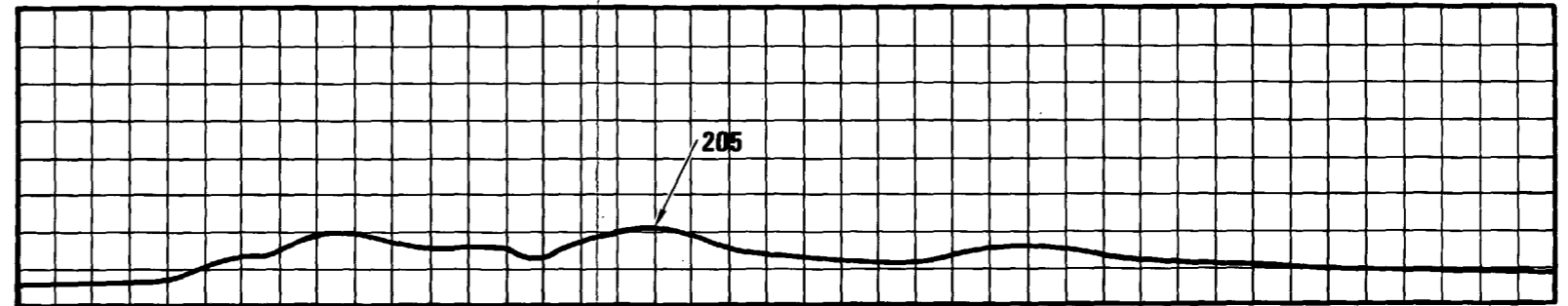
FEB 1982



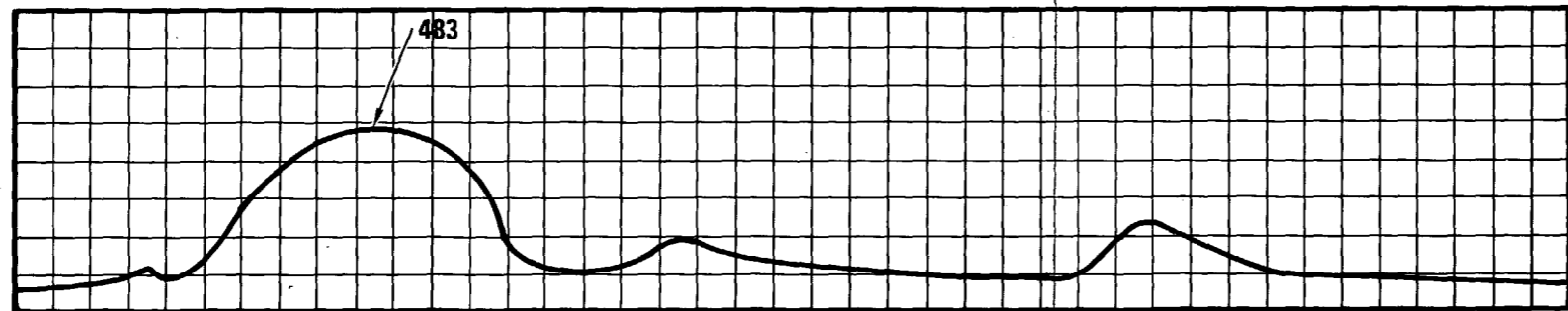
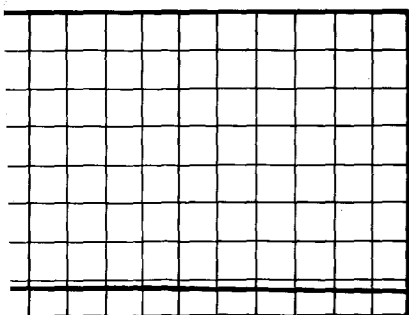
AUG 1982



JAN 1983



FEB 1983

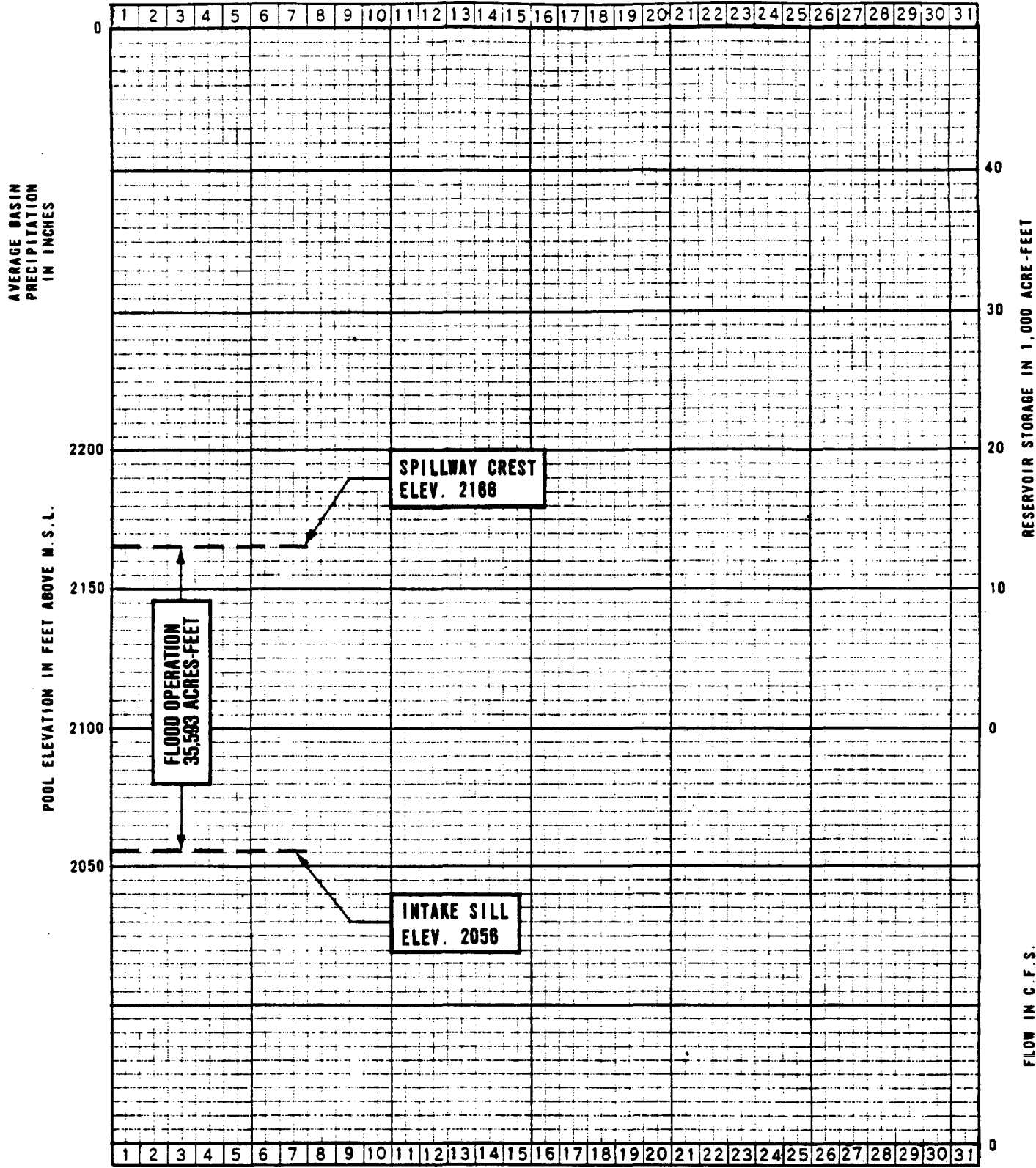


MAR 1983

SHOWN.

RECORDS.  
BER 1984.  
EACH FLOW PERIOD.

QUEEN CREEK, ARIZONA  
WHITLOW RANCH DAM  
  
HISTORICAL OPERATION  
  
U S ARMY ENGINEER DISTRICT  
LOS ANGELES, CORPS OF ENGINEERS  
TO ACCOMPANY REPORT DATED: OCTOBER 1975

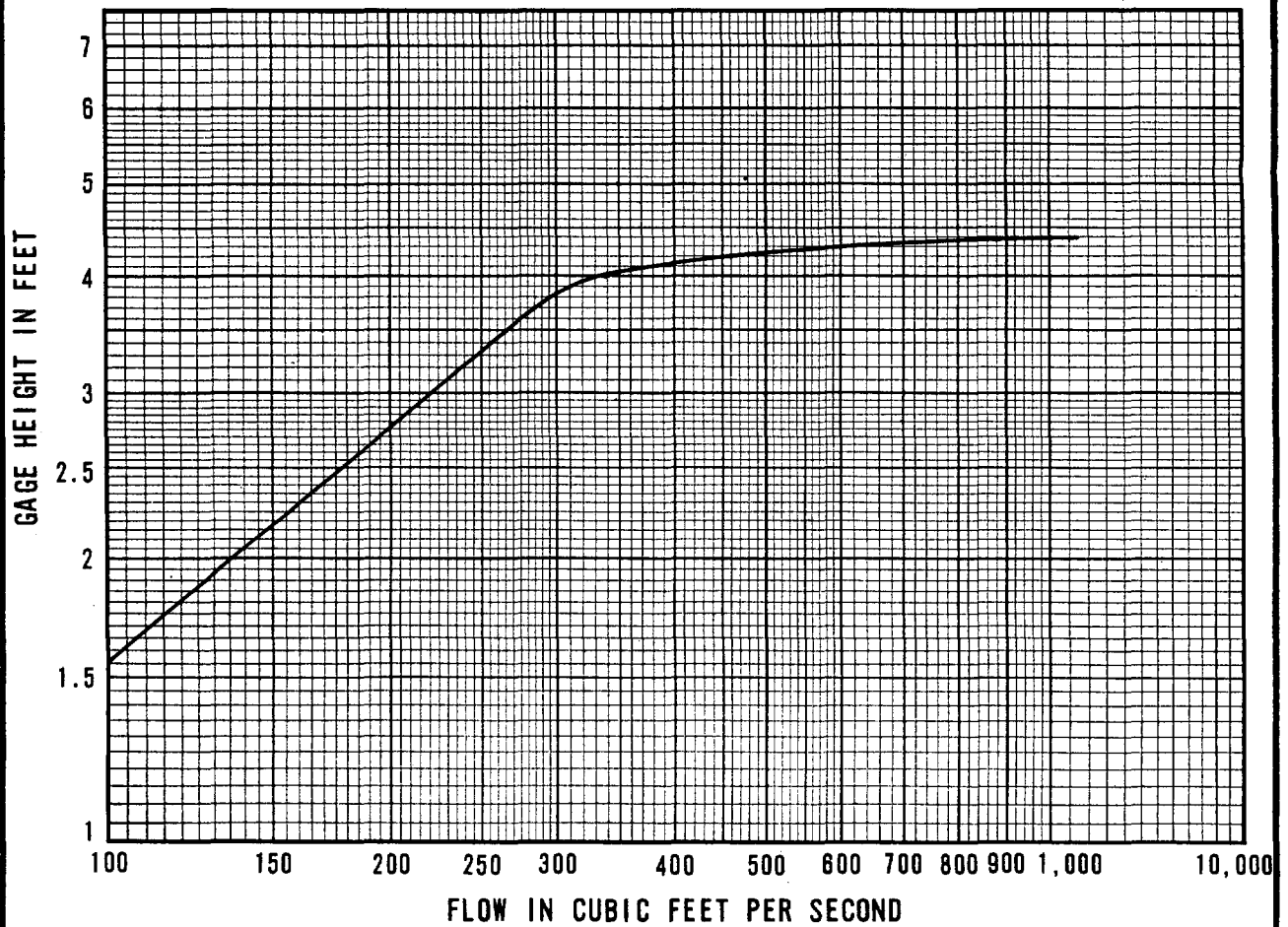


RESERVOIR STORAGE BASED ON SURVEY DATED JUNE 1975

MONTH OF	19	
	ELEV.	GROSS STORAGE (ACRE-FT.)
CONSERVATION POOL		NONE
FLOOD CONTROL POOL	2,168	35,593
OUTLET CAPACITY AT FULL POOL		1,007 C.F.S.

MONTHLY RESERVOIR OPERATION  
 WHITLOW RANCH FLOOD-CONTROL BASIN  
 GILA RIVER BASIN, ARIZ. AND NEW MEXICO  
 DRAINAGE AREA 143 SQ. MILES  
 SOUTH PACIFIC DIVISION  
 LOS ANGELES DISTRICT





NOTE:

DISCHARGE RATING CURVE IS BASED ON THEORETICAL COMPUTATIONS.

QUEEN CREEK, ARIZONA  
WHITLOW RANCH DAM

DISCHARGE RATING CURVE  
FOR OUTFLOW GAGE

U S ARMY ENGINEER DISTRICT  
LOS ANGELES, CORPS OF ENGINEERS  
TO ACCOMPANY REPORT DATED: OCTOBER 1975