



**US Army Corps
of Engineers**
Los Angeles District

**STANDING INSTRUCTIONS
TO THE PROJECT OPERATOR
FOR WATER CONTROL**

LYTLE CREEK INTAKE STRUCTURE
LYTLE - CAJON CREEKS
SAN BERNARDINO COUNTY, CALIFORNIA



APRIL 1990

LYTLE CREEK INTAKE STRUCTURE
LYTLE-CAJON CREEKS, SAN BERNARDINO COUNTY, CALIFORNIA

PERTINENT DATA

Completion date	
Intake & West Branch Channel	1949
East Branch Channel	1976
Stream system	Lytle-Cajon Creeks
Drainage area	sq-mi..... 164
Intake Structure	
Elevation	
West Branch Channel invert	ft, NGVD 1130.0
East Branch Channel invert	ft, NGVD 1143.0
Top of Intake Structure	ft, NGVD 1160.0
Type	Earthfill
Height above original streambed	
Invert of west branch	ft..... 30.0
At Tainter Gate	ft..... 40.0
Top length	Approx. ft..... 2550
Top width	ft..... 18.0
Freeboard on channels	min. ft..... 2
Spillway	
Type	Concrete Levee
Crest length	ft..... 577
Crest elevation	ft..... 1160.0
Outlets	
Controlled	
Gate - Type	Tainter
Number and size	1 @ 60'W x 25'J
Entrance invert elevation	ft, NGVD 1130.0
West branch channel length	ft..... 15,340
Regulated channel capacity	c.f.s.. 30,000
Unregulated up to	c.f.s.. 29,400
Uncontrolled	
Number and size	1 @ 400'W x 17.5'H
Invert elevation	ft, NGVD 1143.0
East branch channel length	ft..... 17,610
Design capacity	c.f.s.. 58,000
Standard Project Flood	
Peak flow at Foothill Boulevard	c.f.s.. 88,000
Peak flow at West Branch Channel	c.f.s.. 30,000
Peak flow at East Branch Channel	c.f.s.. 58,000
Historic maximum	
Peak flow	c.f.s.. 17,500
Date.....	Mar. 4, 1978
Peak flow	c.f.s.. 16,800
Date.....	Jan. 25, 1969
Peak flow	c.f.s.. 14,800
Date.....	Dec. 29, 1966
Peak flow	c.f.s.. 8,070
Date.....	Feb. 16, 1980



DEPARTMENT OF THE ARMY
SOUTH PACIFIC DIVISION, CORPS OF ENGINEERS
630 Sansome Street, Room 720
San Francisco, California 94111-2206

REPLY TO
ATTENTION OF:

CESPD-ED-W (1110-2-240b)

MAR 20 1951

MEMORANDUM FOR ~~Commander~~, Los Angeles District
Commander, Sacramento District

SUBJECT: Planned Deviations from Approved Water Control Plans

1. All planned deviations from approved water control plans for reservoir projects within the South Pacific Division must be coordinated with the Coastal Engineering and Water Management Division at CESPD. Approval must be given prior to implementation of the deviation.
2. Emergency deviations do not require prior approval but coordination must still be made as soon as is practical.

ROGER E. YANKOSPE
Brigadier General, U.S. Army
Commanding

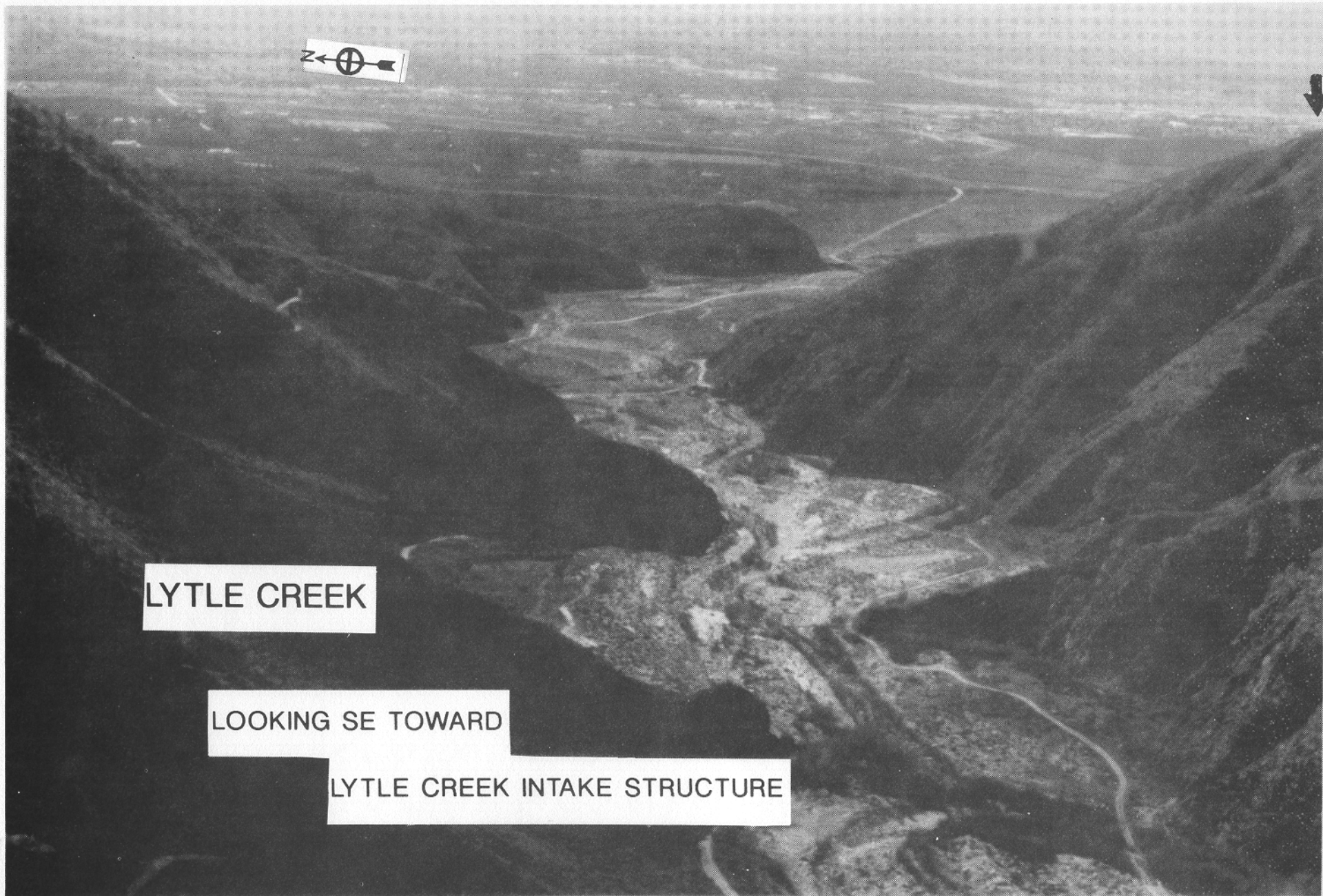
STANDING INSTRUCTIONS TO THE PROJECT OPERATOR
FOR WATER CONTROL

LYTLE CREEK INTAKE STRUCTURE
AND IMPROVEMENTS
Type II Project

LYTLE-CAJON CREEKS
Santa Ana River Basin

Los Angeles District
U.S. Army Corps of Engineers

April 1990



LYTLE CREEK

LOOKING SE TOWARD

LYTLE CREEK INTAKE STRUCTURE