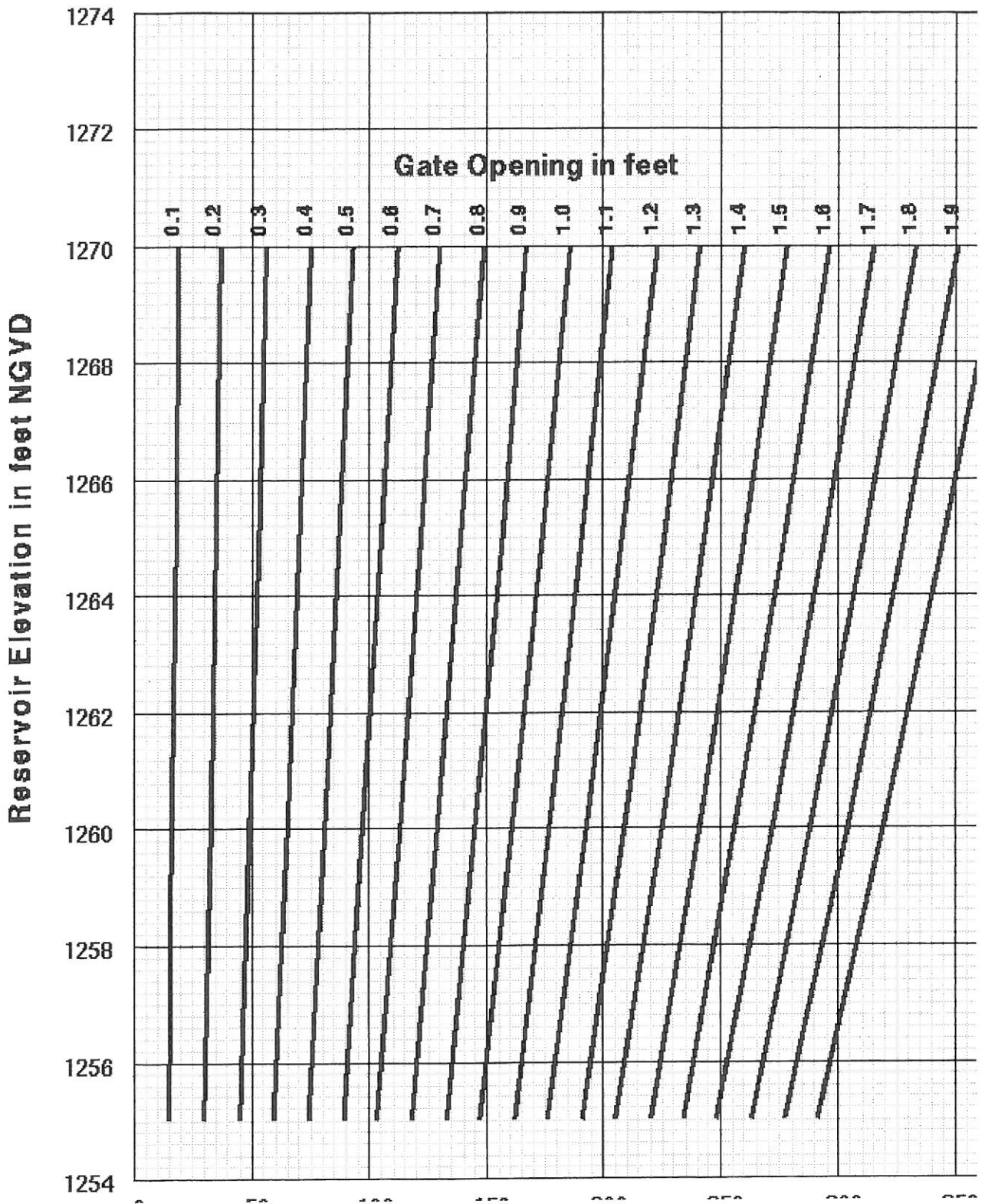
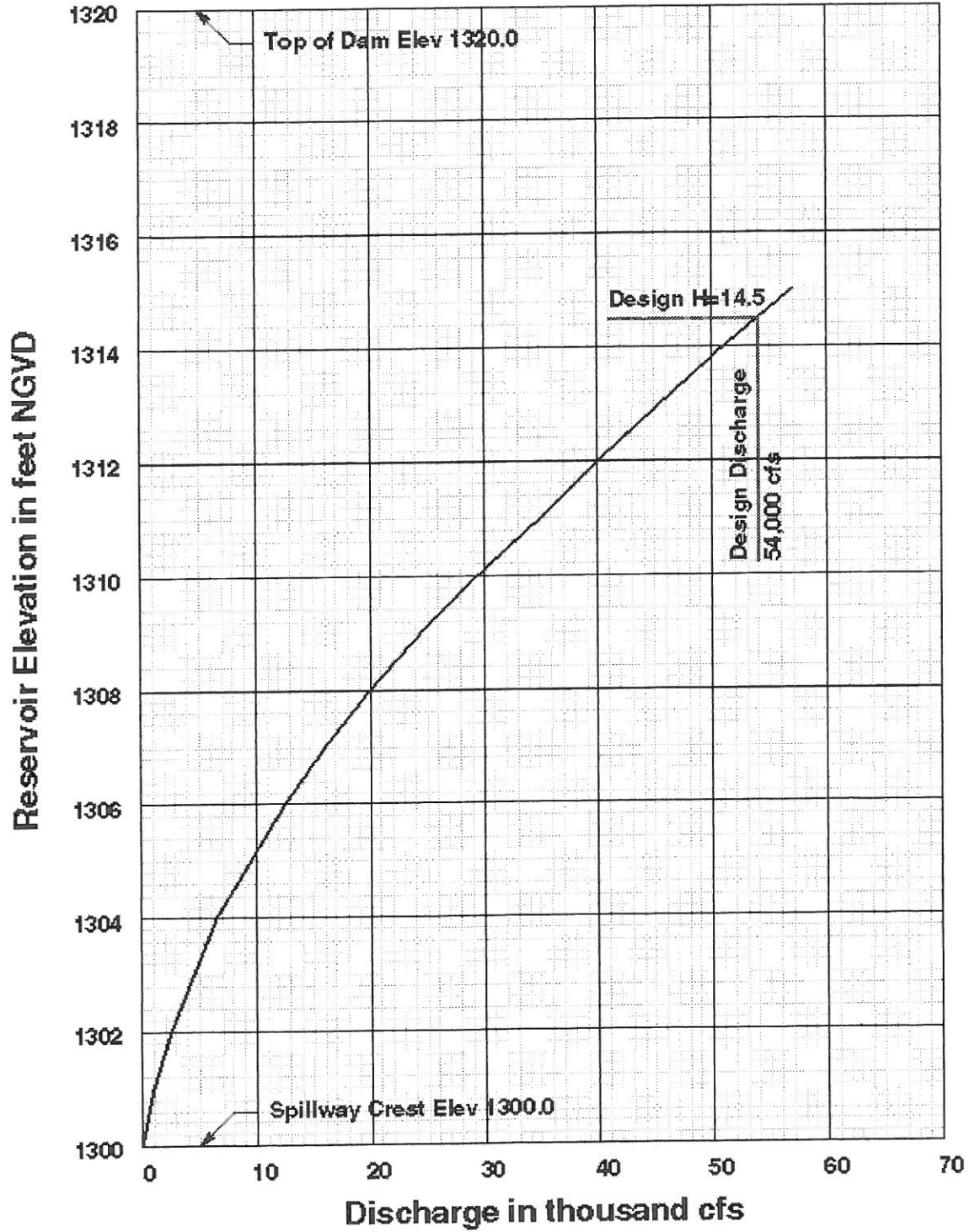


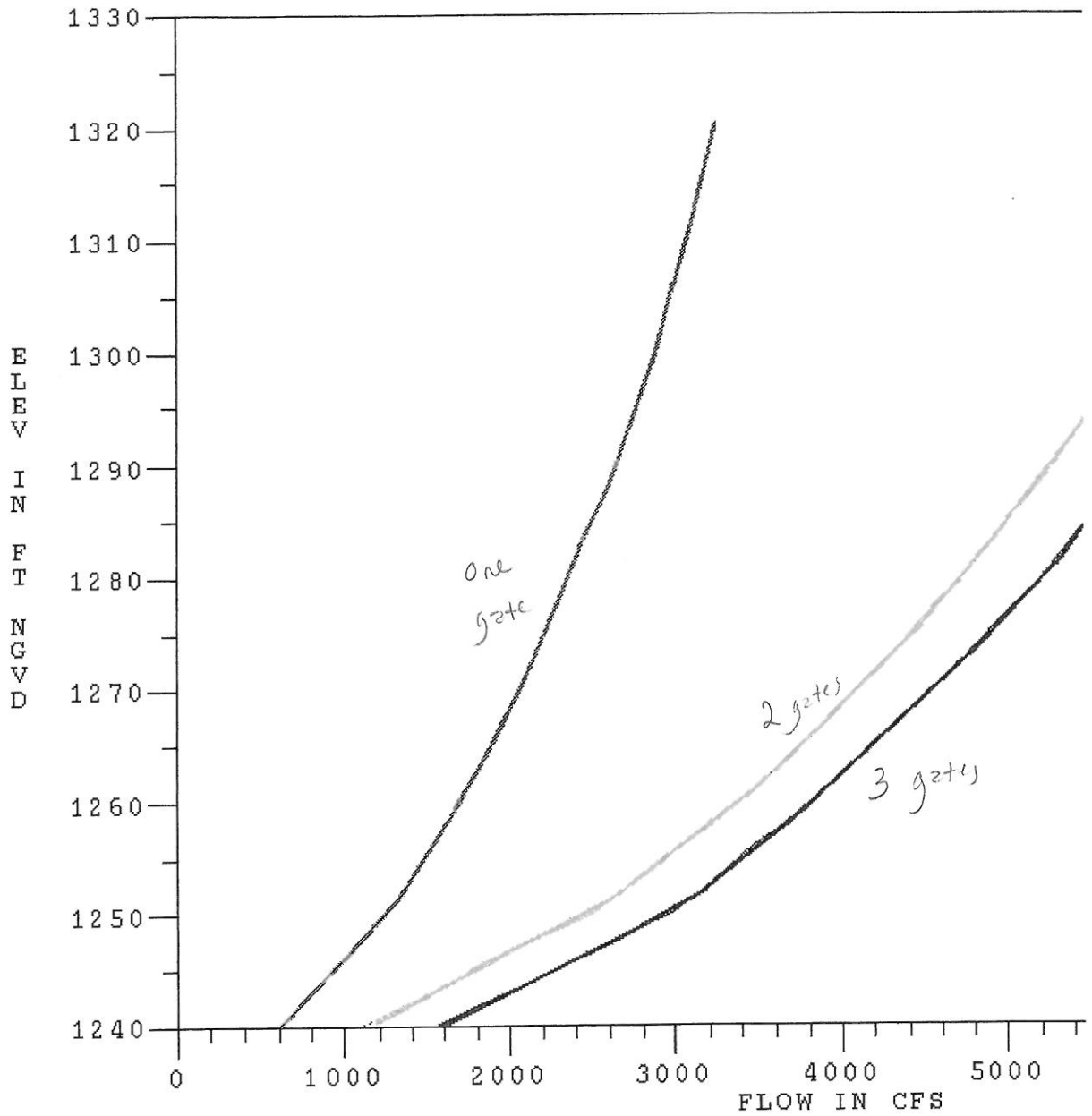
Almond Dam - One Gate Outlet Rating



Almond Dam - Spillway Rating



Almond Lake - Full Open Gate Rating



- One Gate Full Open
- Two Gates Full Open
- Three Gates Full Open

from Plate C1.7-02

Almond Lake - Water Control Plan

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ALMOND LAKE, NEW YORK

CRITICAL STREAM GAGES:

DOWNSTREAM: Hornell, West Cameron, Erwin, Corning, Elmira &
Chemung.
ADJACENT STREAMS: South Addison, Lindley, Bath, & Campbell

DOWNSTREAM CONSTRAINTS:

HIGH FLOW: Summer = Fields along Canisteo River d/s of
Hornell; 4.0-ft on Hornell gage.
Winter = Shopping center parking lot along
Canacadea Creek u/s of Hornell.
LOW FLOW: 10 cfs (0.1 ft on one gate).

TYPE OF OUTLET:

Three 5-ft x 10-ft flood gates.

MAXIMUM RATE OF OPENING:

Normally two ft/hr total up to a ten ft opening,
then four ft/hr total for all subsequent changes.
Open center gate (F2) first, then open side gates (F1 & F3)
uniformly.

IMPACTS WITHIN RESERVOIR OF FLOOD STORAGE:

RECREATION AREAS: County rec area closed by high water
beginning at about elevation 1280.
ROAD CLOSURES: Elevations 1280 & 1293.
OTHER:

WATER QUALITY CONSIDERATIONS:

IN-LAKE: Turbidity and sedimentation
DOWNSTREAM:
WATER QUALITY CONTROL:
SEASONAL GUIDELINES:

OTHER RELEVANT FACTORS:

Local flood protection systems at Hornell, Canisteo,
Addison, Painted Post, Corning, & Elmira.
Protected areas in Hornell have channel capacities of 8000
cfs on Canacadea Ck and 21,000 cfs on Canisteo Rv. Nearby
locations outside protected areas are inundated by flows