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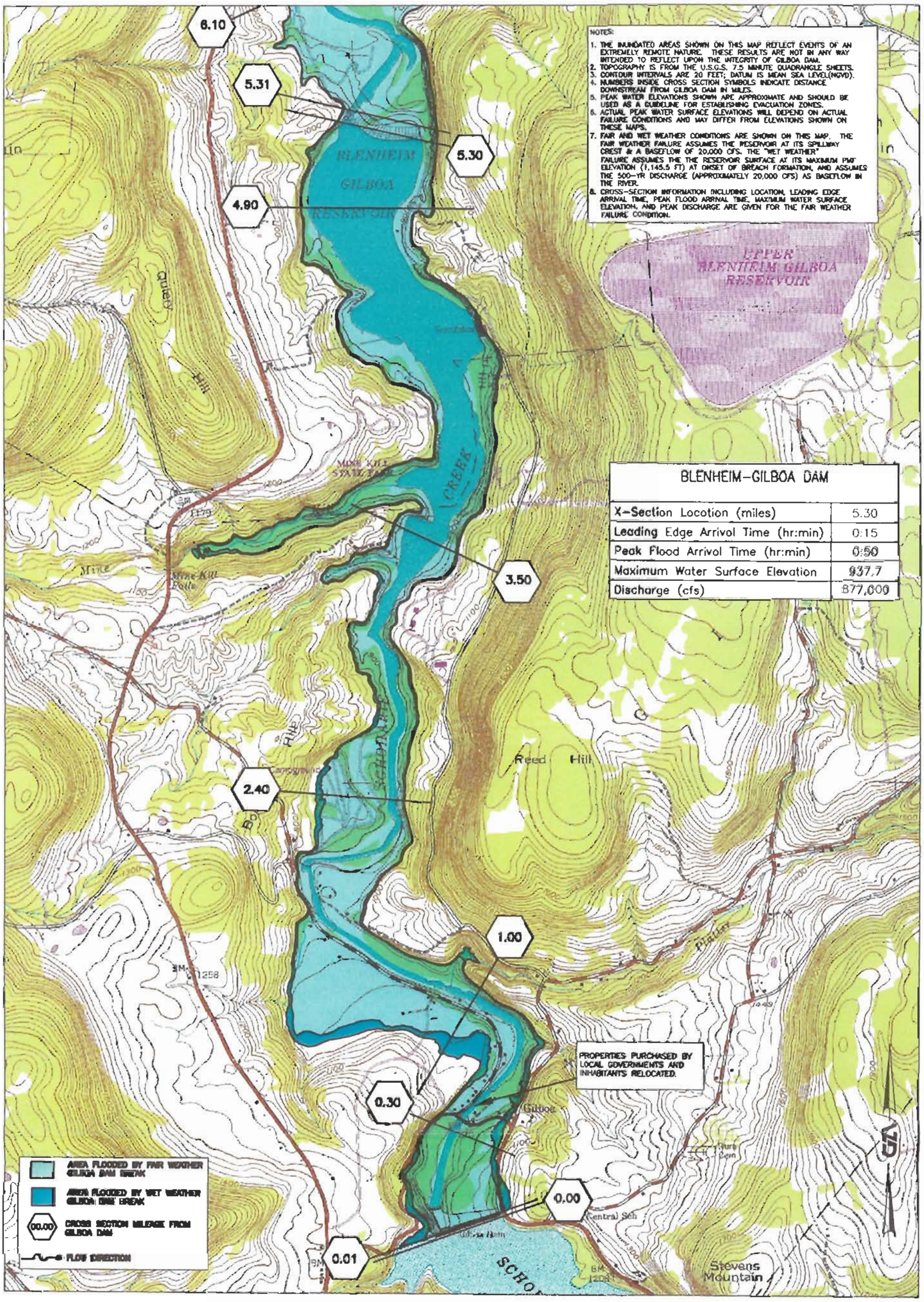

NOTES:

1. THE INUNDATED AREAS SHOWN ON THIS MAP REFLECT EVENTS OF AN EXTREMELY REMOTE NATURE. THESE RESULTS ARE NOT IN ANY WAY INTENDED TO REFLECT UPON THE INTEGRITY OF GILBOA DAM.
2. TOPOGRAPHY IS FROM THE U.S.G.S. 7.5 MINUTE QUADRANGLE SHEETS.
3. CONTOUR INTERVALS ARE 20 FEET; DATUM IS MEAN SEA LEVEL(NGVD).
4. NUMBERS INSIDE CROSS SECTION SYMBOLS INDICATE DISTANCE DOWNSTREAM FROM GILBOA DAM IN MILES.
5. PEAK WATER ELEVATIONS SHOWN ARE APPROXIMATE AND SHOULD BE USED AS A GUIDELINE FOR ESTABLISHING EVACUATION ZONES.
6. ACTUAL PEAK WATER SURFACE ELEVATIONS WILL DEPEND ON ACTUAL FAILURE CONDITIONS AND MAY DIFFER FROM ELEVATIONS SHOWN ON THESE MAPS.
7. FAIR AND WET WEATHER CONDITIONS ARE SHOWN ON THIS MAP. THE FAIR WEATHER FAILURE ASSUMES THE RESERVOIR AT ITS SPILLWAY CREST & A BASEFLOW OF 20,000 CFS. THE "WET WEATHER" FAILURE ASSUMES THE THE RESERVOIR SURFACE AT ITS MAXIMUM PMF ELEVATION (1,145.5 FT) AT ONSET OF BREACH FORMATION, AND ASSUMES THE 500-YR DISCHARGE (APPROXIMATELY 20,000 CFS) AS BASEFLOW IN THE RIVER.
8. CROSS-SECTION INFORMATION INCLUDING LOCATION, LEADING EDGE ARRIVAL TIME, PEAK FLOOD ARRIVAL TIME, MAXIMUM WATER SURFACE ELEVATION, AND PEAK DISCHARGE ARE GIVEN FOR THE FAIR WEATHER FAILURE CONDITION.

BLENHEIM-GILBOA DAM

X-Section Location (miles)	5.30
Leading Edge Arrival Time (hr:min)	0:15
Peak Flood Arrival Time (hr:min)	0:50
Maximum Water Surface Elevation	937.7
Discharge (cfs)	877,000

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FIGURE NO. SHT 1 OF 10

JOB NO. 15375.64

EMERGENCY ACTION PLAN
GILBOA DAM
GILBOA, NY

DAM BREAK ANALYSIS INUNDATION MAP

REV. NO.	DESCRIPTION	BY	DATE

SCALE: 1" = 2000'

0 1000 2000 4000

PROJ MGR: PHB
DESIGNED BY: DML
REVIEWED BY: PHB

OPERATOR: DML
DATE: 10/8/01

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