

# FLOOD INSURANCE STUDY

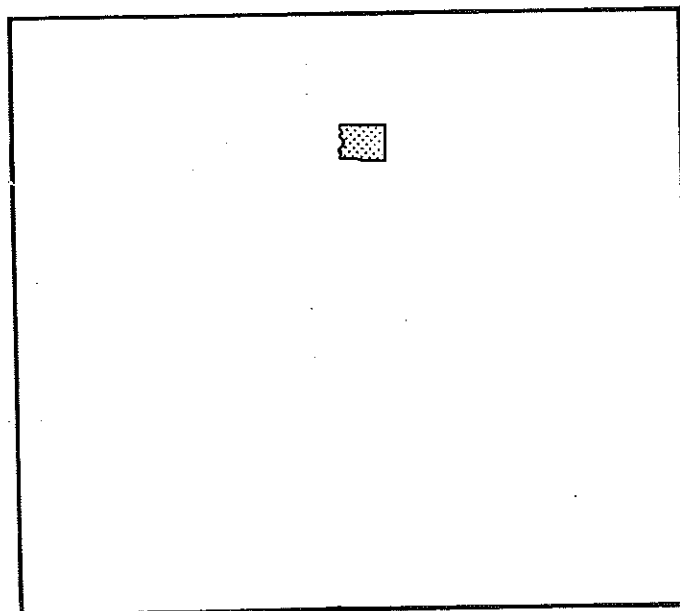


## BOULDER COUNTY, COLORADO AND INCORPORATED AREAS VOLUME 1 OF 5

08013CV001

COMMUNITY NAME	COMMUNITY NUMBER
BOULDER, CITY OF .....	080024
BOULDER COUNTY, CO	
UNINCORPORATED AREAS .....	080023
JAMESTOWN, TOWN OF .....	080216
LAFAYETTE, CITY OF .....	080026
LONGMONT, CITY OF .....	080027
LOUISVILLE, CITY OF .....	085076
LYONS, TOWN OF .....	080029
NEDERLAND, TOWN OF .....	080255
SUPERIOR, TOWN OF .....	080203
WARD, TOWN OF .....	080292

\* NON-FLOOD PRONE COMMUNITIES



REVISED: OCTOBER 4, 2002



Federal Emergency Management Agency

@ Boulder H.S.  
 $D_{100} = 12.5' \pm$   
 $D_{10} = 7.0' \pm$

Flood extents use 3,000 cfs FP  
~~for the~~ Could say  $D_{3000} = 8'$

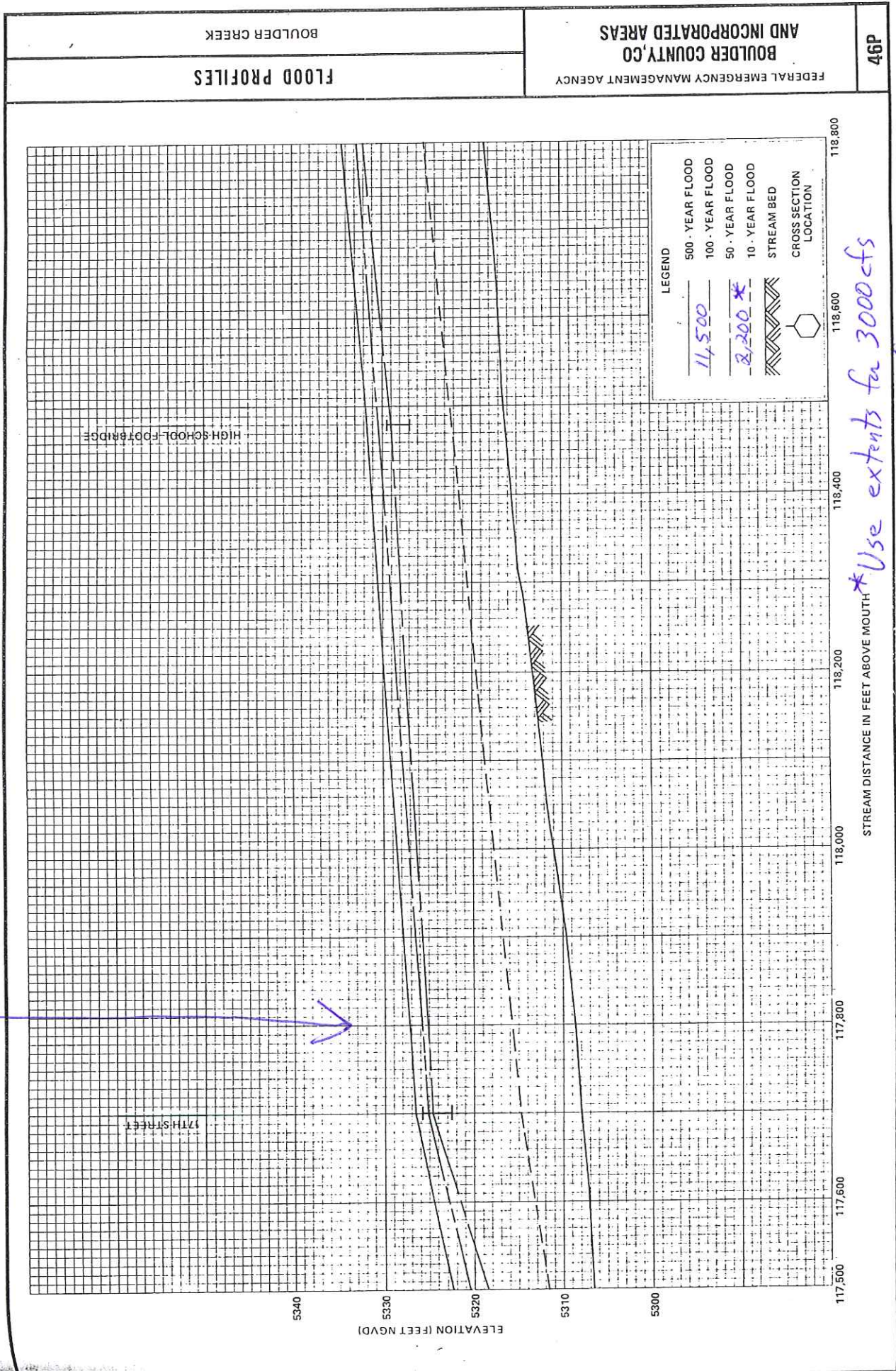




Table 4. Summary of Discharges

Flooding Source and Location	Drainage Area (Square Miles)	Peak Discharges (Cubic Feet per Second)			
		10-Year	50-Year	100-Year	500-Year
Big Dry Creek At West 120th Avenue	41.2	4,900	8,700	10,200	12,000
Boulder Creek At Confluence With Fourmile Canyon Creek	--1	3,650	10,100	14,400	29,600
At Valmont Drive	--1	3,450	9,200	13,000	23,000
At 28th Street	--1	2,200	7,800	8,000	20,600
At County Road 54	--1	350	1,560	2,340	4,770
Boulder Creek (Right Bank Overflow) Approximately 800 Feet Upstream of Foothills Parkway	--1	1	1,609	2,523	11,469
South Boulder Creek At Confluence With Boulder Creek	132.0	2,060	4,980	6,630	11,500
Brandywine Creek Confluence With Nissen Reservoir Channel	0.42	88	211	262	489
Bullhead Gulch Upstream Boulder Creek	8.85	1,421	3,409	4,532	6,109
Downstream Prince Tributary	8.16	1,474	3,581	4,772	6,275
Upstream Prince Tributary	0.06	683	1,935	2,639	3,474
Downstream Indian Peaks Confluence	2.14	374	970	1,333	1,811
Upstream Indian Peaks Confluence	1.59	190	532	760	1,251
At Upstream Limit of Detailed Study	0.64	294	575	774	1,041

$\times + 3,500 \Rightarrow 11,500 \text{ cfs}$   
(See Arapahoe Ave. Overflow)

Table 4. Summary of Discharges

Flooding Source and Location	Drainage Area (Square Miles)	Peak Discharges (Cubic Feet per Second)			
		10-Year	50-Year	100-Year	500-Year
Airport Creek					
At Confluence With Big Dry Creek	2.51	550	1,300	1,640	3,040
At Confluence With Tributary No. 1	1.22	370	760	920	1,540
At Upstream Limit of Detailed Study	0.43	390	690	810	1,220
North Branch Airport Creek					
At Confluence With Airport Creek	0.30	100	230	280	510
At Upstream Limit of Detailed Study	0.03	30	50	60	90
Arapahoe Avenue Overflow					
At Foothills Parkway (47th Street)	--1	--1	--1	1,500	--1
At 30th Street	--1	--1	--1	4,200	--1
At 28th Street	--1	--1	--1	3,500	--1
Bear Canyon Creek					
At Confluence With Boulder Creek	8.24	2,050	3,762	4,880	7,500
At Confluence With Skunk Creek	5.35	1,170	2,360	3,070	5,100
At Baseline Road	4.96	1,110	2,352	2,930	5,000
At U.S. Highway 36	4.34	820	1,780	2,210	3,850
At Broadway	4.08	680	1,512	1,930	3,400
At Upstream Limit of Detailed Study	3.71	480	1,190	1,600	3,000

--<sup>1</sup>Data Not Available