

Newspaper Clippings

- Aug 13, 1930 Aug 11 { One large flood & 1 small blocked highway Ogden to Brigham
{ 20 acre field (Clay & Stoddard) covered mud & rocks washed.
Ogden streets flooded water from streams & waterfall
- Aug 12 Slight floods Parleys & Red Butte
- Aug 13 Wedelodge Springville N. city limit, Rock Canyon
Provo Canyon debris 50' on highway
Road damage in Emigration, Parleys, & Big Cottonwood
- Aug 3, 1930 (?)
Photos - 15th North Creek debris 16' high.
Photos - Municipal baths & gravel pit
- Aug 10, 1930 Highway Becks to Bountiful blocked 2-5' deep.
16th North also blocked.
Sheppard Ave block Hwy & RR.
Bountiful flood waters to store fronts
- Aug 11, 1930 Rain floods Ogden streets Mon. morning 3:00 a.m.
Val Verda Saturday evening cloud burst.
Gullies 5-10' wide, 3-6' deep in main street,
mud & rock, (Peck, Stevenson, Peterson, Lundberg,
Powers, Baird, Shay, Smart.)
- Aug 12, 1930 Floods Ranch, Food, Davis, Steel (hardly any rain in town)
Centerville mud & rocks 3-4' deep for $\frac{1}{2}$ mi.
Farmington $\frac{1}{2}$ mi. south - 8' deep for $\frac{1}{4}$ mi.
" 2 blocks S. school - 10' deep for 300 yds.
American Fork, canyons deposited mud & rocks.

Aug 12, 1930

Photo - Centerville

Story by George Webb, state auditor - "Rush of flood coming down mountain side announced impending disaster several minutes before flood hit."

Aug 13, 1930

Provo Cany. $1\frac{1}{2}$ mi below Vernon Park, debris 3-15' deep for 500 ft.

July 12, 1930

Photo Weber Canyon at Deeds Gate,
photo - Centerville Hwy blocked (looks 6' deep)
20,000 yds to move from road in Weber Cany.

Aug 13, 1930

Flood in Shepherd but. N. Farmington
Rock Canyon 3rd flood since July 11
Damage light compared to Aug 2

Also Salt Creek, Snowflake

Aug 14, 1930

Mudflow Perry Canyon near Centerville
Seven floods - Becks to N. Farmington
Parrish Canyon flood swath 300 ft. wide.

Aug 15, 1930

Centerville 175 acres rendered worthless

Ford, Steel & Farmington, Parrish

mud & small rocks, no boulders

Farmers thrice struck since July 10

Mud 6-8' deep - Ford & Steel

Sept 5, 1930

"Ford 10:15 am., Parrish 10:30, Davis & Steel 10:10
Storm salt lake at 9 o'clock" 9:07 power cut.
Farmington damage negligible

Floods & Erosion in N. Utah, USGS 196, 1934 Bailey & Forsling

Parrish 1930

Photo above school, mud on 10' boulders*
Boulders several feet deep on school yard up to 20 tons*
Channel approx 30' wide*, 4' ± high*, slope = ?

Parrish 1930

Photo at mouth canyon, boulder 18' wide* 10' high*
"moved 1000' from canyon 150 ± 210 tons max" $75-100$ ton
Channel approx 35' wide*, 6' ± high*, slope = 4°

Ford 1930 (1) Aerial of fan

(2) "Delta cut 40 ft." Channel approx 30' wide

(3) "tributary cut 25 ft. deep, $\frac{1}{4}$ mi. from summit"
channel approx 10' wide*, 4°-10° slope*

Utah Flood Commission, 1930, Bailey & Beckett.

Ford 1930

"Four floods of 1930 added 12 ft. at Highway State.
Boulders to 10 tons deposited on State Hwy

Bamberger EC $\frac{1}{4}$ mi below, deposit 6 ft. deep.
including boulders 5 ft. dia. 11

(1) Photo of gully head at Ford.

(2) Parrish Creek

(3) " "

(4) Centerville mouth — no flood

Davis 1930

(5) "Debris 8' deep on highway in Aug."

$\frac{8}{6} \text{ ft.}$
 $\frac{6}{4} \text{ ft.}$

[6] Upper mudflow, channel approx. 6' x 6' *

Ford

(7) Channel cut and 1923 deposits

(8)

" " " "

(over)

Wellsville Ut. July 1937 filled Cutler canal $\frac{1}{2}$ mi. with boulders
by County Agent

Parrish

1930 one afternoon 15,000,000 tons debris.
by Utah State Commission of Agric (Smith)

Ford

~~Ford~~ cut 75' top, gravel 20-40'

Mill Cr (SLC) Peak 150 cfs in Spring (Mr. Ulrich.)
Spring floods 100 acres pasture.

Utah Flood-Erosion Survey 1931-32

Willard 1923 "155 acres covered 1-3 feet earth & boulders"
(Baker & Paul)

Parnell 1930 photo "Boulder 80 tons, gradient 40"

Steed 1930 photo at Highway

4 Canyons Beeks 1930 ^{photo} "Boulders to 2 ft., gravel on highway"

Dry Canyon

Parley's mouth

Box Elder N.E. of Alpine 3-4 sq. mi. T 4 S, R 2 E

Photos "powerful mudflow, canyon cut 100', little damage"
Gullies 25' deep at head fork.

Snowslide

Photos "Highway covered 12 ft for 100 yds."

Rock Cany

Photos Mudflow 1931

Taylor Cany

Photo 1931 "no serious flooding"

Mudflow Notes.

Parrish 1930 $\frac{3}{4}$ ton 3400 ft on $3\frac{1}{2}\%$ slope (Wooley)
 40 ton ? 5-7% " ($\frac{1}{2}$ between Hwy & apex)
 85 ton 1000 $8\frac{1}{2}-10\frac{1}{2}\%$ " "

Lost Cany 1938 19-32%

Snow slide 1938 40 ton 19% (at apex of 1300' cone)
 450' wide x 13' deep at Hwy

Farmington? 1878 20-30 ton 300 yds fairly level. (Wooley)
 1923 7-12% (boulders) (Crest 10' x 100' above former plant,
 boulders 4000' above barrier)

Provo Cany 1856 Mudslide (2-300 sq. ft x 4'-10' deep.)

Nephi 1923 (Crest 6'-8' high, 20 min peak)
 16" over barrier, 1 hr. duration

Willard 1923 over 2' 4-10% (to 6' deep in 3 paths then down,
 Old channel 30'-40' deep filled by boulders 800' wide ridge.)

Farmington 1936 6 tons (Miller H.W. 12' x 20') Graph.

Parrish 1930 to 20 tons (Several feet deep on school yard.) Bailey
 1930 150-210 max 1000' (several 75-100 tons) "

Willard 1923 95 tons $\frac{1}{2}$ mi. on ~~slope~~ 14%
 $\frac{1}{2}$ mi. on " $10\frac{1}{2}\%$ (Pack)

Ford 1930 to 10 tons
5' boulders

(Four floods added 12' to Hwy). Boulders
(6' deep on RR 1/4 mi below Hwy) "

Davis 1930 Aug 11 300 ton

(Debris 8' on Hwy in Aug.) "

Willard 1923

(155 acres covered 1-3 ft.) Baker

Beck 1930 2'

(gravel on highway) Survey 34-322
"

Snowslide

(1/2' deep for 100 yds)

Gentryville Aug 13, 1930

(175 acres disturbed)
(Rocks 3-4' deep for 1/2 mi.) News

Farmington " 1/2 mi south

(8' deep for 1/4 mi.) "

" 2 blocks S. school

(10' deep for 300 yds) "

" 1923 1 1/2 ton

(1-4' deep in doors,) Pack

Parrish Aug 14, 1930

(Flood smooth 300' wide) "

Ford & Stud Sept 5, 1930

(Mud 6-8' deep, no boulders)
also Farmington & Gentryville

Provo City Aug 13, 1930

(Debris 3-15' deep for 500') "

Willard 1923 to 75 tons

(3-6' mud & boulders on highway) Pack

Rudol

1923 (Sand & gravel on 1-2 acres for few inches) "

256+ mm. boulder

64-256 mm. Cobble

4-64 mm. pebble $\frac{1}{8}$ - $2\frac{1}{2}$ "

2-4 mm. gravel

1-2 mm. fine gravel

" sand .25-.5 mm.

.74 ft. 256

.121 ft. 64

.013 ft. 4

.0066 2

.0033 1

.0016 .5

.00082 .25

.00033 .10

1 ft = 305 meters

= 305 mm.

$$\therefore 00022 \times 165 = 00036 \# \quad \frac{36}{10000} \frac{10}{30000}$$

$$0000041 \times 165 = 000068 \quad \frac{68}{10000}$$

$$0000057 \quad \frac{57}{10000}$$

$$0000001 \quad \frac{1}{10000}$$

$$4 \times 12 = \frac{50}{300} = \frac{1}{6} \text{ " gravel}$$

2.65

"Torrential Potential of Desert Waters" F.J. Pack 1923

Aug 13, 1923 Storm broke just after 7 o'clock without lightning or wind.
Salt Lake $0.35"$ /5 min., $1.05"$ /30 min., $1.23"$ /2 hrs.
 $0.1"$ /1 min max.

Stories are current of great walls of water 10' or
more high descending upon towns.

Willard 3'-6' mud, gravel, & boulders on state highway block.

Plate of Boulder 75 tons ($20' \times 10' \times ?'$)

Farmington Half mile above town a tongue of debris directly thru center town.
Debris into doors 1-4 ft., 1000# boulders in bldgs.

Photo of Boulders 1923 (last 5')

South Farmington flew left channel.

Willard $\frac{1}{2}$ mi. dam 8° slope, then $\frac{1}{2}$ mi on 6° slope.

Quartzite $14' \times 7\frac{1}{2}' \times 11'$ @ $165^{\#}$ = 95 tons.

"Floods of 1923 in N. Utah" Paul & Baker, 1925

Farmington "Eyewitness in lower part of Farmington Canyon describes the front
of the flood as a rolling mass of boulders, mud, and timber,
shooting out sparks of light from the grinding rocks. Within
20 minutes this moving wall had passed by and the waters had receded.

Farmington Lake rise showed $1.25"$ rain an allowance of

$0.5"$ being made to account for rain absorbed by soil or evaporated.

Aug 13, 1923

	5 min	10	15	20	30	80 min
S.L. City	.35	.56	.76		1.05	1.17
Highline Ck.		.25		.67	.90	1.01

Willard 155 acres covered 1-3'. Flood split southwest spread widely, north part of town narrower followed old stream course consisting largely of heavier rock and debris.

1000 acres flooded in headwaters

Cottonwood Canyon North fork of Ogden Canyon) Geological flood
Flood violence not exceptional, moving dam of debris
disseminated in timber-covered canyon proper.
On Bay Scout Camp was water, floating wood & branches

Farmington

Plots of cottonwood gone camp.

(Boulders look 5') 3000 acres flooded

~~NOTE~~ Beaver house crest 10', width approx 100'
across wide channel bottom where cuts thru
lake bed. (Refers to Cottonwood Green plots)

South side - only 3 canyons flooded

1st 4' x 4' 2nd 6' x 6' 3rd 1¹/₂' x 15' = 82 sq. ft.
drains 9¹/₂0 acres.

North side - Mud G. 15'(h) x 20'(w)

2 nd	18' x 16'	} = 750 sq. ft. from 3,340 acres.
3 rd	10' x 20'	
4 th	8' x 10'	
last	5' x 10'	

Head -

Pine Ridge } 335 sq. ft from 2,080 acres
Chicken } at junct. with main stream

not subject to extreme runoff

Hornet 6'(h) x 4' 6' wide from near mouth to $\frac{1}{2}$ mi. ridge

sand and gravel over 1-2 acres for few inches
between Steel & Farmington

Steel

Reed

11

Torrential Floods in N. Utah 1930 USAC Cir. #92

Parmish

Photo of mouth, boulders 300 ~~tons~~ tons.

Photo of school & mudflow Aug 11, 1930

Farmington

Photo of flood barrier 1927

Davis

Photo July 10, 1930 (depth 6-8' deep, 10' boulders)

Photo Aug 11, 1930 "8 ft. deep" (depth 2' rocks)

~~Photo boulders 300 tons~~

Ford

Photo of head of fan (channel about 6' x 6', gravel & mud)

Photo of gully head.

~~Photo of mouth. Photo of highway (depth 6-8' deep, 6' boulders.)~~

July 10, 1930

Worst floods Parmish, Ford (or ticks), Davis, Stans

& Devil's Gate. Also foothills between Parley's
& Emigration. All canyons Centerville to Devil's Gate

Aug 11, 13, 1930 } Severe floods Parmish, Ford, Davis, Stans,

Sept 4, 1930 }

Period

Snowslide, Rock V Slab, Rimmatory (Ogden & Willard)

Aug 2, 1930

First flood at Beck's, little flooding elsewhere

Aug 14, 1930

Floods almost as severe as July 10, 1930

Farmington, Stans, Davis, Ford, Willard, Perry

Other

Floods of July 1877 smaller, another in early 60's

Salt Lake City (July 10, 1930)

(Aug 2, 1930)

Airport 11

Ogden Aug 11, 1930

15 min	30 min	Total
0.22"	0.33	0.35

5 min	10 min	Total
0.20	0.29	0.35

40 min

9 min	18 min	Total
0.90	0.74	1.72

15 min	Total	inches before
0.53	0.90 + .36 = 1.26"	

Salt Lake City (Aug 15, 1930)

Centerville

2 photos of mouth, no floods.

Residents report high water, unaccompanied by mud flows
for hours, natural channel carried flow.

City G.

July 10 slight rise, no flood on any trib.
mine tailings contributed clay.

Aug 2 two small mud flows on road below High Line

1916 Heavy rain without flood

1923, heavy rain Aug 13 without flood.

Parley's

No flood except mouth + stick driveway at Mt. Dell.

P

"Barrier System for Control of Floods", L.M. Winsor, USDA 1933

Willard Aug 13, 1932 Photo of Main St. boulders.

Canal Cut July 1922 Photo of boulders.

Farmington July 3, 1926 Photo above Farmington barrier after boulder flood.

Nephi Barriers built 1922 & 1923 Crest 5' at town
Crest 7' about 7 mi above.
10 years have held back sand & gravel

1923 Torrential flood from a side channel
debris & mud 6-8 ft. high., 16" over barrier
for 20 minutes, + 20 minutes spillway adequate,
flow continued for nearly an hour.

Spillway crest raised 18" after 1923 flood.

Willard Aug 1923 3 paths thru town to 6' or more
Former stream channel 30-40' deep above Main st.
was obliterated by ridge of boulders 800' wide.

Bypass channel 10' deep \times 16' wide on 4-10% for 7000'
Spring H.W. began May 3, 1924, on May 8 channel
was full of gravel (26 cu ft./5 days)

Boulders to build barrier mostly over 2', basin
1500' long \times 300' wide.

Erosion lower stream bed 18" on May 8, 1924 and in
5 days depth 8-10 ft. (74 ac ft.)

Survey summer 1932 = 119,000 yds³ back barrier

Kasler Canyon (Oquirrh Mts.) Flood June 1927, 5 floods during construction, July 1929 severe flood - 1931

Farmington

after 1923 flood a channel similar to Willard was excavated from mouth to lowlands, completely filled with gravel in week after high water came and sand & gravel deposited as land. 1924 barrier below extensive deposits of boulders.

Raised 3 times in 1931 crest = 23' high.

Original surface of 1923 boulders slope 7-12% and extended 4,000' above barrier, since entirely covered by gravel and boulders by spring and torrential floods.

Photo Spillway before raising 1931

Perry Cr.

1923 flood, barrier built 1929

Channel 3500' long, deep narrow, dug 1924 & again 1928, obliterated by each flood.

Payson

Summer floods frequently clogged siphon & cul.

1926 barrier built.

" Willard Floods - Craft and Hill Sept 26, 1936

July 31, 1936 No runoff occurred below the confluence of right fork.

- | | |
|------|------------------------------------------------------------------------------------------------------------------|
| 1933 | 1500-2000 acres recover naturally |
| 1923 | 75 acres of small spots in this area.
1000 acres require trench
65 acres can be controlled by debris dams. |

1936. Flood probably came from recent burn in right fork.

" Salt Lake City Flood" Aug 19, 1945, - Craddock.

Perry's Hollow	388 acres.	^{Terrain, mostly rocky} $\frac{2}{3}$ shallow step rocky soils
Valley View Cany	203 "	$\frac{1}{3}$ deep sandy terrace slopes.
K-St. Bench	150 " 4.9 / 0.9 /	July 31, 1944 - 600 acre burn.
Mausalem "	68	Damage \$346,500.
Lime Kiln "	98	Over 2000 acs) sq.mi.
Veterans "	43	
City Cr.	58	
		Program \$71,242
	Total 1,008	

TREATMENT

	①	②	③	④	⑤	⑥
K St.	4.9	10.9	-	68.4	53.8	12.3
Valley View	41.8	98.9	33.3	17.9	1.9	9.5
Perry's	85.3	136.3	132.2	22.4	7.1	4.9
Mausolum	1.3	8.7	0	29.5	26.7	1.7
Lime Kiln	0	0	0	30.4	54.2	13.4
City Cr.	9.2	48.4	0	0	0	0
Veterans	0	0	0	14.2	18.2	10.5
	142.5	355.1	165.5	182.8	161.9	52.3

- ① Contour trench + seed 142.5 acres
foothill ridge + slopes less 30%.
- ② Contour Furrow + seed 303.2 acres
non brushy foothill slopes steeper.
- ③ Broadcast seed 165.6 acres
brushy foothill slopes.
- ④ Suppl. bunches + seed 182.8 acres
gently sloping bench lands.
- ⑤ Suppl. bunch + seed 161.9 acres
steep bench lands.
- ⑥ terrace + seed 52.3 acres gravel quarry

"Report on Floods" C.J. Ulrich, Sept 17, 1938

9 canyons - North Ogden to Box Elder "subject to damaging flood flows during torrential storms"

"Hwy #91 has, on numerous occasions since 1923, been covered with mud & boulders.
\$ 1,000,000. damage

Box Elder (28 sq. mi.) "no problem except spring floods (\$4,000 per flood)
to farms & railroad; Frequency 4 per 10 yrs."

Perry & Taylor Cany. (3 sq. mi. each) "flood stages during summer rains. (\$2-3,000 per flood)"
(between Willard & Box Elder)

Willard Creek (3 sq. mi.) "1923 flood - \$100,000."
1936 " - 10,000. gravel boulders one 3 city blocks.

Other floods checked by debris dam.

Roberts Canyon (2 sq. mi.) "Summer floods but no serious damage"
(1 1/2 mi. south Willard)

1936 flood covered Hwy 91 with mud & rocks at CCC camp.
\$ 4,000. damage to orchards & RC.

Davis Co. "Past floods over \$3,000,000."

"Mud & boulders 6-8' deep for several hundred feet on hwy."

Mill Cr. (11 sq. mi.) "No devastating floods to date"

"Spring runoff not flood stages"

Holbrook (4 sq. mi.) "Summer floods in past dissipated on brush lands below canyon mouth; flood waters have reached bench farms above Bountiful - no material damage"

Ward (11 sq. mi.) "Floods washed gravel & gullied 5-6 acres orchard \$1000/acre.
Flood hazard to 100 acres, no serious floods because no streams
Spring runoff not serious."

(con't)

Centerville (4 sq. mi.) No major flood to date, no spring flood.

Floods damaged 30 acres orchard & graveyard
Potential damage to 50-75 acres (\$50-75,000)

Barnard (3 sq. mi.) Same floods as Ford & Parish

Parish ($\frac{1}{2}$ sq. mi.) No Spring flood problem
Devastating summer floods in past.
1932 - 3 floods, wall water 8' high in mouth
Several floods since '32 damaged lowlands
1932 50 acres destroyed, 8' deep on Hwy.
+ 20 acres below Hwy. (\$40,000.)

Ford ($\frac{1}{2}$ sq. mi.) No spring problem

1923 First serious flood

1930 - 4 damaging floods. One flood 10' wall
of water.

Several floods since '30 flooded low farmlands
1923-30 mud & boulders 300' of Hwy to 5' deep.
75 acres ruined (\$50,000)
+ 40-50 acres below R.R. (\$5,000/flood)

Davis (3 sq. mi.) No Spring problem.

1923 First serious

1930 Several - one a wall 8' high.

Several smaller since '30

1923-30 Hwy 5' deep for several hundred ft. (\$15,000.)

Steed (5 sq. mi.) 30-40 acres potential along low farms.

1923 Flood wave 8' high at canyon mouth
Hwy 6' deep for several hundred ft.

80 acres destroyed by mud & boulders.

1930 No serious floods, canyons on both sides flooded sometimes

Several small floods 1923

Potential = 30-50 acres lowlands flooded

Past (\$40-50,000/20 yrs.)

"Provo Flood", Oct 30, 1938 - Tanner, B.Y.U.

Rock, slate + St. Rock enter Provo City area.

High spring runoff + summer floods in last 2 yrs.

\$150,000. in 10 yrs. Hwy \$42,000

(22 sq. mi.) Power 12,000

R.R. 20,000

Farms 75,000.

Potential = 1000 acres of fruit orchard.

300 houses

Hospital, fish hatchery, roads, etc.

Floods every 2 years. - by Larson, F.S. Supervisor.

Photos Last Creek slide July 14, 1938 (Provo Canyon Hwy)

Snowslide Canyon July 14, 1938

South end of Almetashad dam at R.R.

Spring Hal. at Wicks Serr. Sta. July 14, 1938

Bridal Veil Falls slide.

"Salt Lake County" Oct 6, 1938 - Martineau, Co. Agent.

Neflo? 2 years ago, heavy storm caused flood in orchards at Holladay.

Rose Creek Floods Jordan Narrows, Orem R.R., + canals.

"Ogden-Weber County" Sept 19, 1938 - Simmons Co. Comm.

Ogden R.C. Major floods 1920, 23, 28, 32, 36 Spring + Summer (?)

Wheeler Camp - 10 summer houses \$5,000

Ogden Camp - 15 " " 7,500, 3 bridges - \$10,000

North Fork - \$10,000.

Selling Penitentiary \$40,000.

Ogden basements - \$25,000

Cache Co Wrigley, County Agent Sept 20, 1938

Wellville 1937 damage \$4,000

\$1,200. to clean Hgrun-Mendon Canal.

100 acres damaged = \$3,000.

Loss of water = \$5,000.

Setting debris = \$500.

Avon East Canyon

several thousand tons debris.

2 pm. Friday

5 tons rocks, fan 200 yds.

Aug 1938 (?)

Channel cut 14' wide x 6' deep.

Opposite Pale & Porcupine Cany.

12,000 fish lost

" Photo Album Army Corps. Sept 20, 1938

Shumway July 7, 1937 Debris over 15 acres.

Willard July 31, 1936 Canal dam & canyons.

Honeyville July 7, 1937 at 2:00 a.m.

300,000

43

By Corps of Engineers

Perry Hollow 1945	75 ac-ft Removal
Area = 0.437 sq.mi.	75 "
Other Foothills " 506 acres	150 (Debris depth + 2')

(Moved 1 ton boulders, water flowed 1' deep on steep streets, ponded 2'. Perry slope = 10% Peak flow = 1,500-1,800 cfs. Perry.)

Davis Co
Webb to Davis Aug 6 1901 m 25 acres boulder field (Corps of Engineers 1942)

Aug 19 1906 m	Farms covered with debris.
July 12 1912 S	" " 3' deep.
Aug 27 1913 m	Kayerville.
Sept 29 1916 m	Kayerville & Kaysville.
July 27, 1917 m	Farms covered with debris.
Sept 15, 1918 m	Kayerville, debris
July 20, 1922 m	Adams to Reed.
July 5+7, 1926 S-m	Farmington & Ford.
Aug 4, 1929 L	Except Hobbs Mill, N. Cany.
July 19, 1930 S	Only " " "
Aug 2, 1930 L	All except Kay Mills
Aug 9+11, 1930 S-L	Incase Ward - N. Cany.
Aug 13, 1930 S	" " "
Sept 4, 1930 S	Farmington Davis
Sept 24, 1930 m	Sherp & Parish
Aug 13, 1931 L	" " Dell.
Aug 27, 1932 m	" " Ford.
July 24, 1934 m	Hal to N. Cany.
June 30, 1935 L	

Total overflow 10-150 acres / stream boulders.
 50-250 " rocks & mud
 50-1000 + " water

9,200 acres on 22 creek. (Incl. 5)

	<u>Flood</u>	<u>Area</u>	<u>Debris Vol.</u>	
<u>Willard</u>	1923	155 acres	124 ac-ft (Debris basin 1924-39)	Wooley
	1936	30 acres	40 ac-ft 74 ac-ft (Debris basin 1924-32)	" Winsor
<u>Steed</u>	1923	70 acres	62 ac-ft	Wooley
<u>Davis</u>	1923	86 acres	(since 1923)	"
<u>Parrish</u>	1923	80 acres		"
<u>Showslide</u>	1938		31 ac-ft	"
<u>Lost Canyon</u>	1938		22 ac-ft	"
<u>Farmington</u>	1923		$\begin{cases} 110 \text{ ac-ft boulders} \\ 428 \text{ " total} \end{cases}$	Croft
			$\begin{cases} 50 \text{ ac-ft debris basin (1923-47)} \\ 150 \text{ " total} \end{cases}$	"
<u>Utah Hot Spgs</u>	1930	20 acres		
<u>Perry</u> (Willard)			barrier 1929, channel 1924-1928	
<u>Payson</u>			barrier 1926	
<u>Shumway</u>	1931	100 acres		

Salt Lake City Flood - Aug. 19, 1945 by Craddock

Valley View & Perry Creek

Heavy Damage

9.5 city Blocks or .19 sq miles = 121.6 acres

Basements Flooded

2825 city Blocks or .58 sq miles = 371.2 acres

492.8

Streets Flooded

57.0 city Blocks or 1.16 sq miles = 742.4 acres

492.8
1235.2

4
121.6