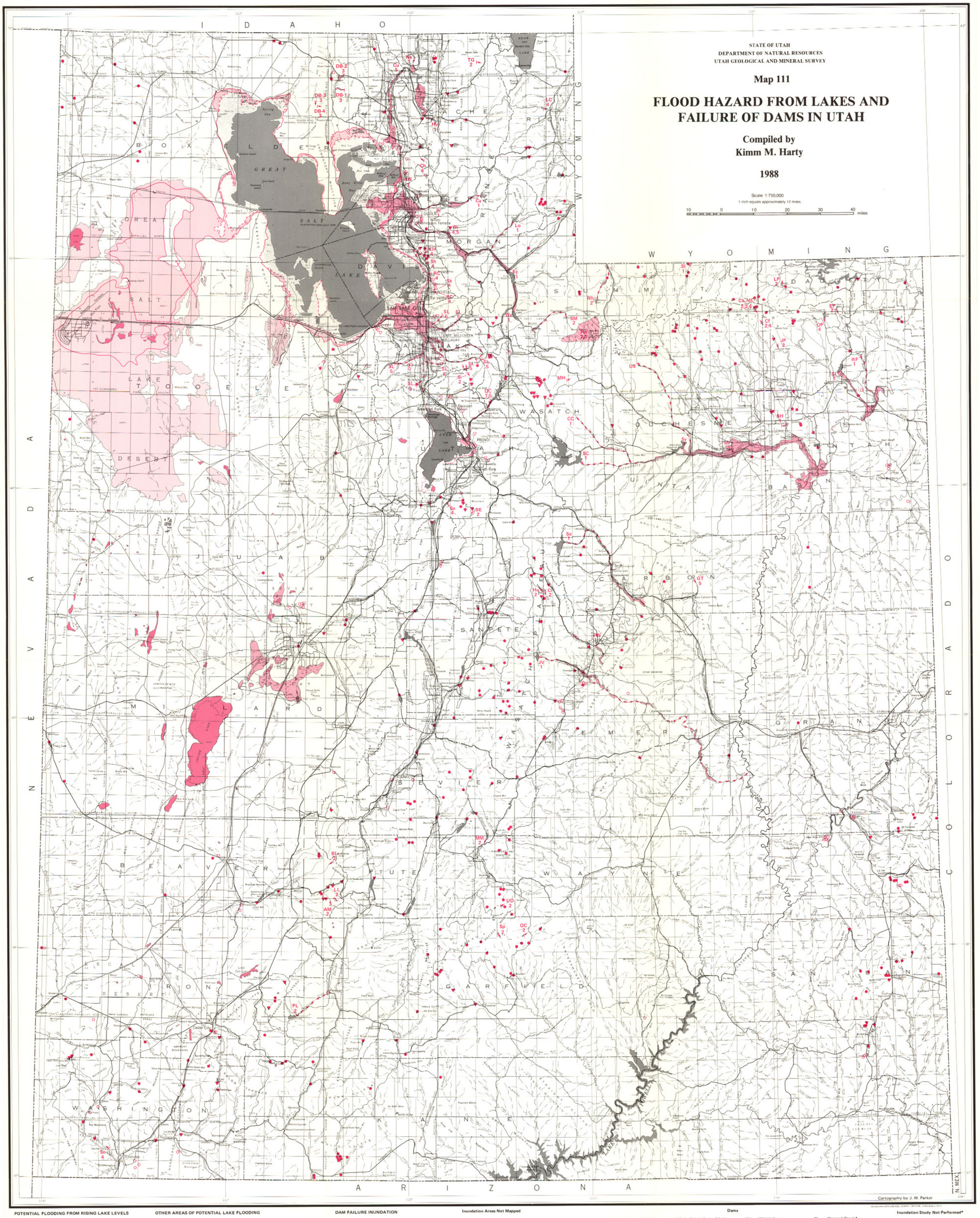

POTENTIAL FLOODING FROM RISING LAKE LEVELS

Approximate historic high level of Great Salt Lake reached in 1986 (4212 feet); indicates maximum extent of lake flooding in historical time.

Late prehistoric high level of Great Salt Lake, last reached around 1700 A.D. (4217 feet); indicates maximum extent of lake flooding in past several hundred years and probable zone of greatest modern flood hazard.

Maximum projected flood level for Utah Lake with post 1984 improvements (4493 feet); historic high flood level (4494.7 feet) was reached in 1984 (not mapped).

OTHER AREAS OF POTENTIAL LAKE FLOODING

Dry lakes, includes approximate historic high levels of lakes such as Sevier Lake and Rush Lake which contained water in 1986 but have been dry in historical time.

Mud/salt flats, chiefly surrounding Great Salt Lake and in the Great Salt Lake Desert.

Flooded marshes, includes only areas of known historical flooding in Sevier Desert area.

DAM FAILURE INUNDATION

Inundation Areas Mapped

Ca 1 — Name of dam (see list of dams)
— Agency completing dam failure inundation study (see list of agencies)
— Direction of flow and areas of inundation too narrow to depict
— Potential dam failure inundation area

Note: For locations subject to flooding from more than one dam, the inundation area from the largest contributing dam/reservoir is shown. ⊢—⊣ indicates dikes of Arthur V. Watkins Dam around Willard Bay. SL indicates inundation from simultaneous lake and dam failures in Salt Lake county.

The full extent of flooding downstream is not shown; studies only map flooding to a reservoir, lake, confluence of a larger river, or a political boundary and commonly leave gaps where rivers cross unpopulated areas.

Inundation Areas Not Mapped

GT 1 — Dam symbol, direction of flow (arrow), name of dam (GT), and agency (1) completing dam failure inundation study. The studies have been done, but either the entire inundation area is too narrow to illustrate or only maximum flood elevations have been calculated.

PW 2,4 — Area of numerous dams in the headwaters of the Provo and Weber Rivers for which inundation studies have been completed, includes three high-hazard, five moderate-hazard, and five low-hazard dams for which no inundation studies were performed.

Agencies Completing Dam Failure Inundation Studies

1. U.S. Bureau of Reclamation
2. U.S. Forest Service
3. U.S. Soil Conservation Service
4. Utah Division of Water Rights
5. Utah Geological and Mineral Survey

Dams

AM	Anderson Meadow	DB-4	Debris Basin GS-1*	MH	Mill Hollow	Sh	Shepard Creek*
AW	Arthur V. Watkins (dike around Willard Bay)	DC	Deer Creek	MM	Mill Meadow	Si	Silver Lake
BC	Barton Creek*	EP	East Park	ML	Moccasin Lake	SM	Smith-Morehouse
BE	Big East	Ec	Echo	Ne	Newton	SC	Soldier Creek
BL	Blue Lake	GT	Grassy Trail	OC	Oak Creek	Sp	Spectacle Lake
BH	Bottle Hollow	Hu	Huntington	OP	Oaks Park	Sv	Starvation
Ca	Causey	HN	Huntington North	PL	Panguitch Lake	Sl	Stateline
Ch	Chatfield	Hy	Hyrum	Pi	Pineview	St	Steinaker
CL	Chepeta Lake	JV	Joes Valley	PW	Dams in headwaters of Provo and Weber Rivers	Sk	Stone Creek*
Cl	Cleveland	JP	Julius Park	RF	Red Fleet	TG	Tony Grove
Cf	Cliff Lake	Ka	Kaysville	RC	Rudd Creek*	UD	Upper Donkey
CC	Current Creek	KH	Kaysville-Holmes Creek*	SL	Salt Lake County dams and natural lakes	US	Upper Stillwater
Cu	Cutler	LL	LaBaron Lake	Sn	Santa Clara*	Wa	Wanship
DB-1	Debris Basin 23-A*	LC	Little Creek	Sa	Santaquin*	Wh	Whitney
DB-2	Debris Basin 21-B*	LP	Long Park	So	Scofield	Wi	Wilkinson
DB-3	Debris Basin 28*	Lo	Lost Creek				
		Mi	Midview				

*Debris basin or detention/retention pond

Inundation Study Not Performed*

- High-hazard dam or diversion structure impounding a reservoir.
- High-hazard dam forming a debris basin, dike, detention/retention pond, regulation pond, or tailings pond.
- Low- or moderate-hazard dam or diversion structure impounding a reservoir.
- Low- or moderate-hazard dam forming a debris basin, dike, detention/retention pond, regulation pond, or tailings pond
- Low- or moderate-hazard dike longer than one mile in length.

*Symbols may represent more than one dam where dams are closely spaced.