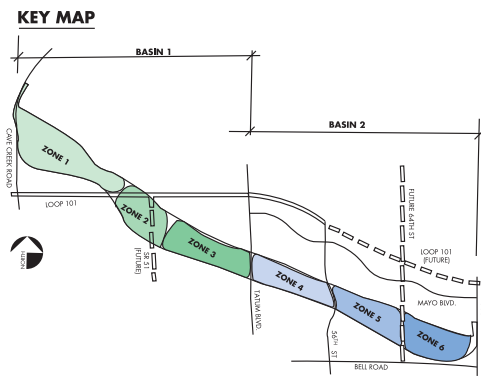


LEGEND

- 10 YEAR FLOOD LIMITS
- 100 YEAR FLOOD LIMITS
- PROPOSED OFFSITE DRAINAGE CORRIDORS
- ADOT RETENTION AREA
- EXISTING WASH
- OUTLET STRUCTURE
- BORROW PIT

HYDROLOGY

REACH 11 RECREATION MASTER PLAN
CITY OF PHOENIX
BUREAU OF RECLAMATION



HYDROLOGIC AND CAPACITY DATA

Dike No. 1				Dike No. 2			
Crest Elevation:	1553.0 feet			Crest Elevation:	1553.0 feet		
Inlet Floor Elevation:	1524.0 feet			Inlet Floor Elevation:	1519.0 feet		
50-Year Sediment Volume:	840 acre-feet			50-Year Sediment Volume:	1190 acre-feet		
	Peak Inflow (cfs)	Volume (acre-feet)	W/S Elevation W/O Sediment		Peak Inflow (cfs)	Volume (acre-feet)	W/S Elevation W/O Sediment
Probable Maximum Flood (PMF)	**108,000	**17,950	1552.0	PMF	**131,000	**26,280	OVERTOPS
200-Year Flood	12,900	2,420	1533.5	200-year flood	15,300	3,830	OVERTOPS
100-Year Flood	10,500	2,080	1532.8	100-year flood	12,700	3,340	1538.1
50-Year Flood	7,890	530	1526.7	50-year flood	10,400	889	1536.9
25-Year Flood	5,480	264	1524.8	25-year flood	7,240	442	1526.4
10-Year Flood	3,040	93	1522.3	10-year flood	4,020	157	1523.0
							1530.1

* Local Storms - 6-hour storm
** General Storm - 24-hour storm

	100-year flood (acre-feet)	50-year sediment (acre-feet)	100-year flood 50-year sediment Elevation
Basin 1	2080	840	1534.8 1539.5
Basin 2	3340	1190	

Map created by BRW and D&M
November 1999
Modified July 2001