

70-187

Table 1. -- Salinity survey and miscellaneous chemical analyses of water from the Salt River in and near the northwestern part of the Gila River Indian Reservation

[Constituents in parts per million. Dissolved-solids values represent sum of determined constituents in solution, unless otherwise indicated. Source of data: Forbes (1902, p. 194) and Salt River Valley Water Users' Association]

Location	Date of collection	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Bicarbonate (HCO_3)	Carbonate (CO_3)	Sulfate (SO_4)	Chloride (Cl)	Dissolved solids	Water type
SALINITY SURVEY										
Salt River at Mount McDowell	Feb. 1900	-	-	-	-	-	-	-	1/1,020	-
Salt River at Tempe	Feb. 1900	-	-	-	-	-	-	-	1/1,180	-
Salt River 3 miles below Phoenix	Feb. 1900	-	-	-	-	-	-	-	1/1,300	-
Intake at head of Buckeye Canal	Feb. 1900	-	-	-	-	-	-	-	1/1,820	-
MISCELLANEOUS ANALYSES										
Salt River 7 miles east of Salt River meridian	June 1942	128	38	279	407	0	150	414	1,416	Sodium chloride
Salt River 4 miles east of Salt River meridian	June 1942	135	45	456	488	0	230	616	1,970	Sodium chloride
Do.	Sept. 1942	105	41	380	290	19	190	556	1,581	Sodium chloride
Do.	Feb. 1943	83	45	437	278	5	210	624	1,682	Sodium chloride
Do.	Mar. 1943	105	45	383	398	0	230	504	1,665	Sodium chloride
Do.	May 1943	83	45	422	417	0	180	548	1,695	Sodium chloride
Do.	June 1943	135	41	419	437	0	210	592	1,834	Sodium chloride

1/ Residue on evaporation.