

Table 10.1. Summary of Results.

Model Type	Conditions Expected To Influence Vulnerability To Dry Periods	Expected Influence On Vulnerability To Dry Periods	Actual Influence On Vulnerability To Dry Periods
Aridity	regional scale aridity	increase as dry-period severity increases	increased as severity increased in three of six watersheds
Demand models	settlement population levels	increase as settlement population levels increase	no influence
	watershed population density	increase as watershed population density increases	increased as watershed population density increased <sup>1</sup> usually regardless of the potential productivity of settlement locations
Supply models	settlement proximity to perennial rivers	greater among settlements far from perennial rivers than among those near perennial rivers	no influence <sup>2</sup>
	settlement area precipitation levels	increase as precipitation levels decrease	may have increased as precipitation levels increased
	settlement area precipitation levels in locations near and far from perennial rivers	greater among settlements far from perennial rivers	living near a perennial river had no effect on influence of precipitation levels on vulnerability
	watershed precipitation levels	decrease as precipitation levels increased	increased as precipitation levels increased

Model Types	Conditions Expected To Influence Vulnerability To Dry Periods	Expected Influence On Vulnerability To Dry Periods	Actual Influence On Vulnerability To Dry Periods
Supply models (cont.)	watershed precipitation levels plus streamflow discharge levels	greater among settlements with least access to water	increased as precipitation plus streamflow levels increased
Demand and supply models	population–resource imbalances (high watershed population density, low resource productivity)	increase as resource demands exceed supplies	increased as resource demands exceed supplies
	population-resource imbalances (high settlement population levels, low resource productivity)	increase as resource demands exceed supplies	no influence

<sup>1</sup>Lower Salt is an exception.

<sup>2</sup>Upper Salt is an exception.