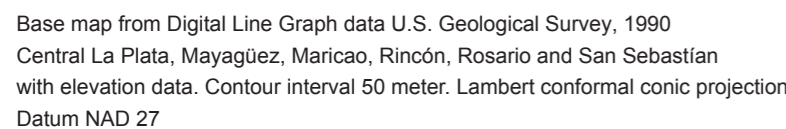
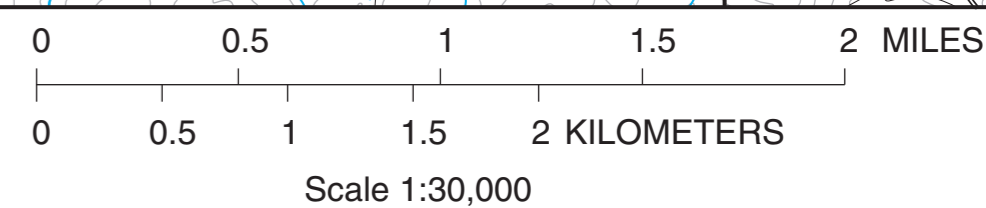


WATER-RESOURCES INVESTIGATIONS REPORT 03-4317
Streamflow and bacteriological data collection sites, selected hydrologic features, and sanitary
classification of streams with drainage to or within the municipio of Mayagüez, Puerto Rico - PLATE 1 of 2
By Santiago-Rivera and others, in Rodríguez-Martínez and others, 2004,
Surface-Water, Water-Quality, and Ground-Water Assessment of the Municipio of Mayagüez, Puerto Rico, 1999-2002








STREAMFLOW AND BACTERIOLOGICAL DATA COLLECTION SITES, SELECTED
HYDROLOGIC FEATURES, AND SANITARY CLASSIFICATION OF STREAMS WITH DRAINAGE TO OR WITHIN
THE MUNICIPIO OF MAYAGÜEZ, PUERTO RICO

Luis Santiago-Rivera, Senén Guzmán-Ríos, Fernando Gómez-Gómez, and Mario Oliveras-Feliciano
2004



Stream sanitary quality classification (as used in this study for base-flow conditions)

Ranking		Fecal coliform concentration, colonies per 100 milliliters	
	Poor Presumed Poor	Greater than 2,000	Within delimited stream reach Probable within delimited stream reach
	Fair Presumed Fair	Equal probability for less than 2,000 or greater than 2,000	Within delimited stream reach Probable within delimited stream reach
	Acceptable Presumed Acceptable	Less than or equal to 2,000	Within delimited stream reach Probable within delimited stream reach
	Good	Less than 200	Within delimited stream reach
	Presumed Good		Probable within delimited stream reach Also fecal streptococcus less than 400 colonies per 100 milliliters

 80 m zone Riparian zone possibly contaminated by household waste-water discharge (unsewered dense housing within 300 feet of stream)

	Zone A	1-percent annual chance of flooding; no Base Flood Elevations (BFEs) have been determined
	Zone AE	1-percent annual chance of flooding; BFEs have been determined
	Zone AO	1-percent annual chance of flooding (usually sheet flow on sloping terrain) for which average depths have been determined; flood depths range from 1 to 3 feet
	Zone VE	1-percent annual chance of flooding; additional hazards from wave action; BFEs have been determined
	Zone X500	0.2-percent annual chance of flooding or 1-percent annual chance flooding with average depths of less than 1 foot or with drainage area less than 1 square mile; or an area protected by levees from 1-percent annual chance of flooding

* Source of information Federal Emergency Management Agency (1996)

	Potential reservoir sites **
	Official designation of potential reservoir site as given in Black and Veatch (1976)
	Municipal sanitary landfill
	Mangrove
	Swamp
	Beach deposits
	Sub-watershed boundary
	Municipio boundary
	Sub-watershed boundary with drainage to Mayaguez Bay

CLASS SB

CLASS SC

** Source of information Black and Veatch (1976)

 Public water-supply filtration plant facility
 Inland extent of saltwater wedge

-  Active
- Abandoned/closed

10135790	USGS surface-water data-collection station identification number
	Stream low-flow partial-record station
	Stream low-flow partial-record station and bacteriological quality-of-water sampling station
	Rain gage
	Continuous streamflow gaging station
	Continuous streamflow gaging station and bacteriological quality-of-water sampling station