

Update 2009 Scenario Factors

Uncertainty Category	Initial 2009 Scenario Factors	Additional Scenario Factors
Economic and Financial (E/F)	Total Population	International Trade Agreements
	Per Capita Income	Commercial Employment
	Total Commercial Activity	Industrial Employment
	Commercial Activity Mix	Cost of Pesticides and Fertilizers
	Total Industrial Activity	Water Treatment Costs
	Industrial Activity Mix	
	Energy Costs	
	Irrigated Crop Area - Irrigated land area	
	Irrigated Crop Area - Multi-cropped land area	
	Irrigated Crop Area - Permanent crop land area	
	Irrigated Crop Area - Seasonal crop land area	
	Water Management Funding	
	Institutional and Political (I/P)	Population Density (Inst / Political)
Population Distribution (Inst / Political)		Air Quality (Carbon Emissions)
Passive Conservation (Inst/Political)		Water Privatization
Drinking Water Standards		Massive Population Migrations
Irrigated Crop Area - irrigated land area (Institutional/Political)		Passive Energy Conservation
Irrigation Technology Use		Governance System
Water Price - Rate Structure		Farm Bill Policies
Water Price - Cost Recovery		Instream Water Quality Requirements / Objectives
Managed Wetlands - Irrigated habitat area		Recreational Requirements
Private Wetlands - Irrigated habitat area		Forest Management Requirements
Instream Flow Requirements / Objectives		Green House Gas Emissions
Floodplain Development		Regional Transportation Systems
Flood Threat Recognition		Regulations of Chemicals
Flood Protection Standards		
Urban Runoff Regulations		
Ag Discharge Requirements		
Regulation of Delta Exports		
Colorado River Agreements (Inst/Political)		
Endangered Species Listing		
Natural System (NS)	Air Temperature variability	Water Temperature Variability
	Air Temperature trends	Water Temperature Trends
	Precipitation Variability	Stream-Aquifer Interaction
	Precipitation Trends	Catastrophic Events
	Snowpack/melt (intermediate factor)	Saltwater Intrusion
	Sea-level Rise	Extreme Precipitation Events
	River/Stream Unimpaired Flows	Condition of Pelagic Fishes
	Extent of Invasive Species	Phytoplankton Densities
	Resilience of Endangered Aquatic Species	
Technological (Tech)	Membrane Technology Innovation	Data Sharing Technology
	Groundwater Injection Technology Innovation	Water Quality Monitoring/Detection Technology
	Water Use Technology Innovation	Stormwater Capture Systems
	Flood System Integrity	Gray Water Systems
	Infrastructure Performance	Water Treatment Technology
		Development of Safer Chemicals
Cultural Practices (Cul)	Demand for Water-based Recreation	Water Use Intensity
	Population Density (Cultural)	Forest Management Practices
	Population Distribution (Cultural)	Consumer Preferences