

# Rainbow River Project Timeline

Year	Project Title	Responsible Agency	Results/Benefits	Status
MILESTONES				
1986	Designation of Rainbow River as an Aquatic Preserve	State of Florida	Identified waterbody as a significant resource and increased regulatory protection	Complete
1987	Designation of Rainbow River as an Outstanding Florida Water	State of Florida	Identified waterbody as a significant resource and increased regulatory protection	Complete
1989	Identification of Rainbow River as a SWIM priority waterbody	District	Provided District/SWIM funding to restore and protect water quality and natural systems	Complete
1989	Rainbow River SWIM Plan	District	Identified management issues and strategies to restore and protect Rainbow Springs/Rainbow River	Complete
1991	Diagnostic Studies of the Rainbow River	District	Documented an increasing trend in nitrate concentrations	Complete
1995	Rainbow Springs State Park	State of Florida	Property and associated amenities open for public enjoyment	Complete
1995	Rainbow River SWIM Plan	District	Identified management issues and strategies to restore and protect Rainbow Springs/Rainbow River	Complete
1996	Origin of Nitrate in Groundwater Discharging from Rainbow Springs	District	Documented increasing nitrate concentrations and determined source as inorganic fertilizers	Complete
2002	Priority Pollutants	District	Water quality monitoring for priority pollutants such as cyanide, mercury, heavy metals, pesticides and volatile organic compounds	Complete
2004	Rainbow River SWIM Plan	District	Identified management issues and strategies to restore and protect Rainbow Springs/Rainbow River	Complete
2005	Sources of Chlorophyll in Rainbow River	District	Identified phytoplankton as the major source of suspended chlorophyll in the water column	Complete
2007	The Influence of Phosphorus on Phytoplankton in the Rainbow River	District	Identified trace metals as a potential micronutrient driving chlorophyll production	Complete
1996, 2000, 2005	Rainbow River Vegetation Mapping and Change Analysis	District	Identified the location and abundance of submerged aquatic vegetation along the river	Complete
2007	Rainbow River Sediment Study	District	Characterized the sediment regime along the Rainbow River	Complete
2008	Rainbow River Technical Summary	District	Provided a synopsis of projects that have been completed up to 2008	Complete

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CURRENT AND FUTURE WORK				
2001	Quarterly Springs Monitoring Network	District	Water quality monitoring to track nitrate concentrations	Ongoing
2002	Rainbow River Surface Water Quality Monitoring	District/FDEP	Water quality monitoring for the purpose of developing an Optical Model	Ongoing
2005	Upper Floridan Aquifer Monitoring Network	District	Water quality monitoring of wells to determine the effectiveness of implemented BMPs, track nutrients trends, determine water quality distribution throughout the study area and improve the delineation of spring-recharge basins.	Ongoing
2008	Rainbow Springs Working Group	FDEP	To share information and discuss strategies to protect Rainbow Springs	Ongoing
2006	Marion County Springs Protection Program	Marion County/District	Cooperative Funding Initiative that includes education and outreach, stormwater research and non-point source pollutant load model	Ongoing
2009	Dunnellon Park Blue Run	Dunnellon/Marion County/District	Cooperative Funding Initiative that includes education and outreach, stormwater retrofits and erosion control for the development of a community park	Ongoing
2009 - 2010	CR 484 Stormwater Retrofits	Marion County/District	Cooperative Funding Initiative that will improve water quality discharging to the Rainbow River via a stormwater retrofit	Ongoing
2010 - 2011	Rainbow River Vegetation Mapping and Change Analysis	District	Identify the location and abundance of submerged aquatic vegetation along the river	Proposed