

**Indian River County
Local Mitigation Strategy
Project Prioritization List**

Project Priority	Project Score	Project Description	Estimated Project Cost & Estimated Time of Completion	Applicant	Mitigation to be Accomplished	Hazards Mitigated	Jurisdiction(s) Involved*	Possible Funding Sources	Date Confirmed/ Added
1	93	Retrofits to the county's public schools that serve as public shelters.	\$75,000 <12 months	Indian River County Emergency Management John King	Reduces vulnerability to wind and flood damage and provides for critically needed shelter (primary critical facilities) and reducing the county's safe shelter space deficit.	Wind and Flood	Multiple jurisdictions	Coastal Construction Building Zone Program; CDBG; DRI; HMGP; Hurricane Program; NFMF	Confirmed 9/8/2009 (John King)
2	93	Fire Escape Replacement	\$2 million > 12 months	Indian River Medical Center Cliff Schroeder	Replacement of three fire escape towers on the patient wings of the hospital. The current towers are open-air towers that offer no protection from inclement weather. These required fire evacuation routes become unusable during a hurricane. This puts a large population of patients and healthcare workers at serious risk during a severe storm. A severe storm increases the risk of a catastrophic event that would require the evacuation of this population. The current design also increases the risk to building damage and loss of our ability to sustain operations during and post storm. Each tower serves a patient population of approximately 75 and healthcare staff of 45.	Wind	Multiple jurisdictions	HMGP	Confirmed 10/2/2009 (Cliff Schroeder)
3	93	Fellsmere paving and drainage project	\$15,889,032 >12 months	City of Fellsmere Jason Nunemaker	Paving and drainage project to reduce flooding and provide for safer and more efficient evacuations for residents.	Hurricane, Tropical Storm, Flooding	Fellsmere	CDBG, HMGP, DRI, USDA, EDA	Added 11/20/2009
4	92	Study the feasibility and appropriateness of relocating the county dune stabilization setback line (DSSL) westward.	\$50,000 2011	Indian River County Community Development Roland DeBlois	Will mitigate potential impact to coastal/oceanfront structures by requiring an updated/appropriate oceanfront building setback to minimize coastal erosion damage.	Coastal erosion	Multiple jurisdictions	Florida Inland Navigation District (FIND), HMGP	Added 9/15/2009
5	92	Portable water storage system	\$600,000 <12 months	Indian River Medical Center Cliff Schroeder	Install and connect a portable water tank to provide emergency water services to the hospital for patient care.	All hazards effecting water system	Multiple jurisdictions	HMGP	Confirmed 10/2/2009 (Cliff Schroeder)

Indian River County LMS

*Indicates jurisdiction interest in this project and support wherever necessary.

December 2009

1 of 7

**Indian River County
Local Mitigation Strategy
Project Prioritization List**

Project Priority	Project Score	Project Description	Estimated Project Cost & Estimated Time of Completion	Applicant	Mitigation to be Accomplished	Hazards Mitigated	Jurisdiction(s) Involved*	Possible Funding Sources	Date Confirmed/ Added
6	91	I.R. Shores Trauma Helipad	\$250,000 6 months	I.R. Shores Ed Ballas	Death/injury prevention for trauma patients: helipad will be utilized for trauma helicopters to transport critically injured patients to trauma hospital. Helipad will be available to all county agencies.	Death/Injury to trauma patients	Multiple jurisdictions	EMPA, HMGP, State Disaster Preparedness Grants	Added 12/10/09 Ed Ballas
7	91	Revise Indian River Farms Water Control District (IRFWCD) elevation references from NGVD29 to NAVD88 to reduce potential for elevation data inconsistency with modernized NFIP FIRMs.	\$300,000 2011	Indian River County Community Development Roland DeBlois	Will minimize errors in base flood elevations of new structures and thus mitigate potential flooding of such structures.	Flood	Multiple jurisdictions	HMGP	Added 9/15/2009
8	88	Prescribed burns in certain conservation areas vulnerable to wildfire.	\$3,000 >12 months	Indian River County Community Development Roland DeBlois	Reduces vulnerability to wildfire.	Wildland Fire	Multiple jurisdictions	Conservation Technical Assistance; DRI; HMGP ; Protection of Forests and Rangelands	Confirmed 10/2/09 (Roland DeBlois)
9	88	Mapping and assessment of public wellfields and reverse osmosis plant protection zones to guard against groundwater contamination.	\$100,000 >12 months	Indian River County Community Development Roland DeBlois	Reduces the countywide exposure to wellfield contamination by allowing more effective management of resource.	Water supply contamination	Multiple jurisdictions	Capitalization Grants for Drinking Water State Revolving Fund; Coastal Wetlands Planning, Protection, and Restoration Act; Conservation Technical Assistance; DRI; HMGP ; Planning Assistance to States Program; Water Pollution Control: State and Interstate Program Support; Water Quality Program Management	Confirmed 10/2/09 (Roland DeBlois)
10	86	Rebuild non-wind code compliant Fire Rescue Stations.	\$4 million 18 months	Indian River County Emergency Services Ed Prime	This will allow these critical facilities to withstand major hurricane impact, and support the personnel on an extended basis with power water and sewer facilities. These projects will benefit all citizens and visitors of Indian River County as well as the surrounding counties we assist through mutual aid by providing uninterrupted Fire Rescue and EMS service during and after a major disaster event.	Wind and Flood	Multiple jurisdictions	HMGP	Revised 8/31/2009 (Ed Prime)

Indian River County LMS

*Indicates jurisdiction interest in this project and support wherever necessary.

December 2009

2 of 7

**Indian River County
Local Mitigation Strategy
Project Prioritization List**

Project Priority	Project Score	Project Description	Estimated Project Cost & Estimated Time of Completion	Applicant	Mitigation to be Accomplished	Hazards Mitigated	Jurisdiction(s) Involved*	Possible Funding Sources	Date Confirmed/ Added
11	85	Retrofitting Gifford Youth Activity Center	\$110,000 <12 months	Gifford Youth Activity Center, Inc. Freddie Woolford	Harden facility (roof and window improvements) for disaster activities.	Hurricane/Tropical Storm	Indian River County	HMGP	Added 12/16/09
12	85	Well for emergency use	\$300,000 <12 months	Indian River Medical Center Cliff Schroeder	Drill and connect a well for emergency use if water service is disrupted to the hospital fire sprinkler system. Loss of water service puts approximately 750 patients and healthcare workers at risk of loss of life. It puts a \$220,000,000 building and equipment investment at risk of loss by fire.	Hurricane/Tropical Storm	Multiple jurisdictions	HMGP	Confirmed 10/2/2009 (Cliff Schroeder)
13	84	Adopt procedures in the LMS for removal of marine debris resulting from natural disasters.	\$50,000 2011	Indian River County Community Development Roland DeBlois	Will mitigate potential damage to marine vessels and would alleviate potential obstruction to navigation of waterways.	Hurricane debris/navigational hazards	Multiple jurisdictions	Florida Inland Navigation District (FIND), HMGP	Added 9/15/2009
14	81	Retrofits to the North County Library to reduce vulnerability to wind and flood damage.	\$10,000 <12 months	Indian River County General Services Tom Frame	Reduces vulnerability of a public building and contents (library) to flooding damage.	Wind and Flood	Multiple jurisdictions	Public Library Construction Grant; Coastal Construction Building Zone Program; CDBG; DRI; FMAP; HMGP; Hurricane Program; NFMF	Confirmed 9/8/2009 (Tom Frame)
15	81	Retrofits to the county's main library to reduce vulnerability to wind and flood damage.	\$10,000 <12 months	Indian River County General Services Tom Frame	Reduces vulnerability of a public building and contents (library) to flooding damage.	Wind and Flood	Multiple jurisdictions	Public Library Construction Grant; Coastal Construction Building Zone Program; CDBG; DRI; FMAP; HMGP; Hurricane Program; NFMF	Confirmed 9/8/2009 (Tom Frame)
16	79	Retrofits to the City of Vero Beach Police Department, Public Works facility and the Electrical Transmission and Distribution Department (critical facilities) to reduce vulnerability to wind and flood damage.	\$2 million >12 months	City of Vero Beach Don Dexter	Reduces the vulnerability to category 4 or 5 hurricanes for two critical facilities.	Hurricane/Tropical Storm, wind and flood	Multiple jurisdictions	HMGP, CDBG, EMP&A Trust Fund (DCA), Pre-disaster Mitigation Program (FEMA), Hurricane Program (FEMA)	Confirmed/Revised 8/31/2009 (Don Dexter)
17	79	Improvements to 53rd St. (East-West connector) for improved traffic access and emergency evacuations.	Phase I - \$2 million Phase II - \$7 million >12 months	Indian River County Public Works Department Chris Mora	Reduces the risk of fatalities (loss of life) during evacuation.	Traffic congestion during evacuations	Multiple jurisdictions	CDBG; DRI; HMGP; Hurricane Program; NFMF; Public Assistance	Confirmed 10/5/2009 (Chris Mora)
18	79	Replacement of county bridges constructed below the 100-year flood plain for improved access, evacuation and exposure to flooding.	\$10 million >12 months	Indian River County Public Works Department Chris Mora	Reduces the risk of fatalities (loss of life) during evacuation.	Traffic congestion during evacuations/flood events	Multiple jurisdictions	CDBG; DRI; Emergency Relief Program; FMAP; HMGP; Hurricane Program; NFMF; STP	Confirmed 10/5/2009 (Chris Mora)

Indian River County LMS

*Indicates jurisdiction interest in this project and support wherever necessary.

December 2009

3 of 7

**Indian River County
Local Mitigation Strategy
Project Prioritization List**

Project Priority	Project Score	Project Description	Estimated Project Cost & Estimated Time of Completion	Applicant	Mitigation to be Accomplished	Hazards Mitigated	Jurisdiction(s) Involved*	Possible Funding Sources	Date Confirmed/ Added
19	78	Obtain an updated countywide geohydrological study with seismic profiles.	\$300,000 2015	Indian River County Community Development Roland DeBlois	Will reduce the risk of limited public water supply in times of drought by providing groundwater hydrology data at key locations in the county.	Public water supply depletion	Multiple jurisdictions	HMGP	Added 9/15/2009
20	78	Protection of the Surficial Aquifer groundwater quality and quantity as a secondary potable water source through acquisition of primary recharge areas and through the plugging of abandoned artesian wells.	\$2 million on-going	Indian River County Community Development Roland DeBlois	Reduces the exposure to potential wellfield contamination.	Potable water supply depletion and contamination	Multiple jurisdictions	Capitalization Grants for Drinking Water State Revolving Fund; Conservation Technical Assistance; DRI; HMGP; Planning Assistance to States Program; Water Pollution Control: State and Interstate Program Support; Water Quality Program Management	Confirmed 10/2/09 (Roland DeBlois)
21	77	Laconia Avenue extension	\$5 million >12 months	City of Sebastian Al Minner	This project will provide a major emergency evacuation route. that will include a new bridge over the St. Sebastian River. It will provide a much-needed major escape route not directly impacted by the Florida East Coast Railway.	Flood	Sebastian	CDBG, Emergency Relief, FMAP, HMGP	Confirmed/Revised 10/22/2009 (Al Minner)
22	76	Hurricane Debris Staging Area	\$75,000 6 months	Town of I. R. Shores Ed Ballas	Construction of a hurricane debris staging area will enhance recovery efforts.	Hurricane/Tropical Storms	Indian River Shores	PDM, HMGP, EMPA, Disaster Recovery Initiative Grants, Emergency Management: State and Local Assistance, Direct Housing: Natural Disaster	Added 12/10/09 Ed Ballas
23	76	34th Avenue bridge replacement over the Main Relief Canal. This project will replace the existing bridge that provides a connection to the Vero Beach Airport from S.R. 60.	\$3.6 million >12 months	City of Vero Beach Don Dexter	The existing bridge does not conform to the current design standards. This route is heavily used for relief supply distribution post-disaster.	All hazards effecting evacuations	Multiple jurisdictions	HMGP	Confirmed/Revised 9/8/2009

**Indian River County
Local Mitigation Strategy
Project Prioritization List**

Project Priority	Project Score	Project Description	Estimated Project Cost & Estimated Time of Completion	Applicant	Mitigation to be Accomplished	Hazards Mitigated	Jurisdiction(s) Involved*	Possible Funding Sources	Date Confirmed/ Added
24	75	Mockingbird Drive stormwater facilities – provide positive outfall in low-lying area previously served by percolation inlets.	\$150,000 >12 months	City of Vero Beach Don Dexter	This project will reduce flooding in this low-lying area, which was flooded for an extended period following recent hurricanes due to failure of percolation systems.	Flood	Vero Beach	HMGP, DEP 319 Grant	Revised 8/31/2009 (Don Dexter)
25	74	Fred Tuerk Drive/A1A drainage improvements	\$1,000,000 >12 months	I.R. Shores Ed Ballas	Correct drainage and flash flood problems that impinge and impact the Indian River Shores Public Safety station (Fred Tuerk Drive) and City Hall (Highway A1A).	Flooding	Indian River Shores	Flood Plain Management Services, HMGP, FMA, State Preparedness Grant	Added 12/10/09 Ed Ballas
26	72	Jungle Trail dead vegetation removal (from Jungle Trail bordering Orchid Island Golf Club, from C.R. 510, to the turn north at the I.R. Lagoon)	\$300,000 6 months	Town of Orchid Deb Branwell/TerriWallace	Removal of dead vegetation to remove or minimize fire hazard.	Wildland Fire	Orchid	HMGP, CDBG, Community Facility Loans & Grants, Cooperative Forestry Service	Added 10/12/09
27	72	Jungle Trail dead vegetation removal (NE side of C.R. 510 bridge)	\$450,000 7 months	Town of Orchid Deb Branwell/TerriWallace	Removal of dead vegetation to remove or minimize fire hazard.	Wildland Fire	Orchid	HMGP, CDBG, Community Facility Loans & Grants, Cooperative Forestry Service	Added 10/12/09
28	72	Construction of seawall/revetment along Humiston Beach in the City of Vero Beach.	\$600,000 >12 months	City of Vero Beach Don Dexter	Residents and business owners will benefit from continued and uninterrupted access to the beach facilities and associated parking.	Flood and erosion	Vero Beach	HMGP	Confirmed 8/31/09 (Don Dexter)
29	71	Club Drive drainage project – Sandfly and Painted Bunting - provide positive outfall in low-lying area currently served by percolation	\$100,000 <12 months	City of Vero Beach Don Dexter	This project will reduce flooding in this low-lying area, which was flooded for an extended period following recent hurricanes due to	Flood	Vero Beach	HMGP, DEP 319 Grant	Revised 8/31/09 (Don Dexter)
30	71	Construction of tilting Weir gates across two canals that connect Rockridge subdivision with the lagoon.	\$6.5 million >12 months	Indian River County Public Works Chris Mora	Will prevent flooding in the subdivision during hurricane events.	Flood	Unincorporated Indian River County	HMGP	Confirmed 10/5/2009 (Chris Mora)

Indian River County LMS

*Indicates jurisdiction interest in this project and support wherever necessary.

December 2009

5 of 7

**Indian River County
Local Mitigation Strategy
Project Prioritization List**

Project Priority	Project Score	Project Description	Estimated Project Cost & Estimated Time of Completion	Applicant	Mitigation to be Accomplished	Hazards Mitigated	Jurisdiction(s) Involved*	Possible Funding Sources	Date Confirmed/ Added
31	70	Retrofits to the City of Fellsmere library for flood damage reduction.	50,000 <12 months	City of Fellsmere Jason Nunemaker	Reduces public building (library) vulnerability.	Wind and Flood	Fellsmere	Public Library Construction Grant; CDBG; DRI; Public Works Impact Program; FMAP; HMGP; Hurricane Program; NFMF	Confirmed 10/2/2009 (Jason Nunemaker)
32	68	Sebastian Highlands swale improvements	\$8.5 million >12 months	City of Sebastian Al Minner	1/4 round swale improvements to 300 miles in the Sebastian Highlands to improve front swale drainage to prevent residential flooding and road closures and to provide erosion control.	Flood and erosion	Sebastian	CDBG, Emergency Relief, FMAP, HMGP	Confirmed/Revised 10/22/2009 (Al Minner)
33	66	Acquisition of land along the Indian River Lagoon within the Coastal High Hazard Area to reduce potential future losses.	Up to \$5 million >12 months	Indian River County Community Development Roland DeBlois	Will reduce county exposure by preventing development in a high hazard area.	Coastal erosion, wind and flood	Multiple jurisdictions	Coastal Wetlands Planning, Protection, and Restoration Act; CDBG; DRI; HMGP; NFMF; North American Wetlands Conservation Act Grant Program; Outdoor Recreation: Acquisition, Development, and Planning	Confirmed 9/15/2009 (Roland DeBlois)
34	65	Potomac ditch improvement	\$1 million >12 months	City of Sebastian Al Minner	Improves Sebastian's NW outfall to prevent flooding and assist with drainage in the area.	Flood	Sebastian	CDBG, Emergency Relief, FMAP, HMGP	Added 10/22/09
35	65	Laconia ditch improvements	\$1 million >12 months	City of Sebastian Al Minner	Replacing street crossing culverts and dredging ditch will improve stormwater flow and prevent flooding.	Flood	Sebastian	CDBG, Emergency Relief, FMAP, HMGP	Added 10/22/09
36	64	Retrofits to the City of Vero Beach Recreation Facility (a secondary critical facility) to reduce vulnerability to wind and flood damage.	\$200,000 >12 months	City of Vero Beach Don Dexter	Reduces the vulnerability of a secondary critical facility.	Hurricane/Tropical Storm, wind and flood	Vero Beach	HMGP, CDBG, EMP&A Trust Fund (DCA), Pre-disaster Mitigation Program (FEMA), Hurricane Program (FEMA)	Confirmed 10/12/09 (Don Dexter)
37	64	Establishment of a county GIS department to improve flood mapping for flood damage reduction.	\$1 million to \$2 million >12 months	Indian River County Public Works Chris Mora	Reduces countywide flood exposure by allowing better management of flood zones.	Flood	Multiple jurisdictions	Challenge 21: Floodplain; Conservation Technical Assistance; FMAP; HMGP; Land Protection; NFMF	Confirmed 10/5/2009 (Chris Mora)
38	64	Culvert replacement for ditch/street crossings	\$1 million >12 months	City of Sebastian Al Minner	Replace all ditch culverts that intersect streets to promote better drainage.	Flood	Sebastian	CDBG, Emergency Relief, FMAP, HMGP	Added 10/22/09

Indian River County LMS

*Indicates jurisdiction interest in this project and support wherever necessary.

December 2009

6 of 7

**Indian River County
Local Mitigation Strategy
Project Prioritization List**

Project Priority	Project Score	Project Description	Estimated Project Cost & Estimated Time of Completion	Applicant	Mitigation to be Accomplished	Hazards Mitigated	Jurisdiction(s) Involved*	Possible Funding Sources	Date Confirmed/ Added
39	64	Construction of seawall along Conn Beach in the City of Vero Beach.	\$1.7 million >12 months	City of Vero Beach Don Dexter	This project will provide erosion control, prevent damage to Ocean Drive and the Boardwalk which sustained approximately \$1 million in damages from Hurricanes Frances and Jeanne.	Flood and erosion	Vero Beach	HMGP	Revised 8/31/09 (Don Dexter)
40	63	Modifications to the outfall structure at Stonebridge Subdivision for flood damage reduction.	\$5000 >12 months	Indian River County Public Works Chris Mora	Reduces vulnerability to flooding at this site.	Flood	Unincorporated Indian River County	CDBG; DRI; Emergency Rehabilitation of Flood Control Works; FMAP; HMGP; Hurricane Program; NFMF; Public Assistance	Confirmed 10/5/2009 (Chris Mora)
41	63	Barber/Schumann intersection improvements	\$3 million >12 months	City of Sebastian Al Minner	Interesection widening and improvements to help with emergency evacuations.	All hazard	Sebastian	CDBG, Emergency Relief, FMAP, HMGP	Added 10/22/09
42	63	Corridor street improvements at Periwinkle, South Easy Street, Laconia Street, and Schumann Drive.	\$3 million >12 months	City of Sebastian Al Minner	Improve street surface and drainage and streets to promote better access points for evacuation.	All hazard	Sebastian	CDBG, Emergency Relief, FMAP, HMGP	Added 10/22/09
43	63	Collier Creek headwall improvements	\$3 million >12 months	City of Sebastian Al Minner	Improve headwall and updrade outwall to control water flow into Collier Creek and the St. Sebastian River.	Flood/erosion	Sebastian	CDBG, Emergency Relief, FMAP, HMGP	Added 10/22/09
44	60	Dredge George Street Canal	\$6 million >12 months	City of Sebastian Al Minner	Improve holding capacity of canal system to retain water and provide better flood control.	Flood	Sebastian	CDBG, Emergency Relief, FMAP, HMGP	Added 10/22/09
45	59	Restoration of critically eroded areas along an 8.3-mile stretch of the Atlantic shoreline in an effort to provide needed storm protection.	\$18 million initial/ \$48 million long-term >12 months	Indian River County Public Works Department Chris Mora	Reduces storm surge and flooding vulnerability.	Flood	Multiple jurisdictions	CDBG; Conservation Plant Material Centers, Conservation Technical Assistance; DRI; FMAP; HMGP; Hurricane Program; Land Protection, Planning Assistance to States Program	Confirmed 10/4/09 (Chris Mora)
46	46	Recycled water project	\$100,000 6 months	Town of Orchid Deb Branwell/TerriWallace	Project to retrofit the town to receive recycled water from Indian River County to keep ponds full enough to prevent loss of fish and birdlife in the Town of Orchid, a certified Audobon International Sanctuary.	Drought	Orchid	Conservation Technical Assistance; Cooperative Extension Service, HMGP, U.S. Army Corps of Engineers	Added 10/12/09

Indian River County LMS

*Indicates jurisdiction interest in this project and support wherever necessary.

December 2009

7 of 7