

DRAINAGE PROJECT PRIORITIZATION MATRIX			
Criteria	Value	Weight Multiplier)	Score (Value x Weight Multiplier)
PUBLIC SAFETY IMPACTS			
1. Emergency vehicle (fire, police, EMT) access to homes value: 10 - unable to access, 0 - able to access		9.3	
2. School bus access to homes value: 10 - unable to access, 0 - able to access		5.3	
3. Residents' ability to egress (evacuate in a storm event) value: 10 - no egress ability, 5 - able in 4wd, 0 - no vehicles able to egress		7.5	
4. Road delineation visibility value: 10 - no road visible, 0 - road fully visible		7.3	
5. Utility impacts (electricity, natural gas) value: 10 - all utilities lost, 0 - no utilities lost		7.4	
ECONOMIC IMPACTS			
1. Mail delivery value: 10 - stopped for 5 or more consecutive days, 0 - no delivery impact		4.6	
2. Property value impact value: 10 - complete loss of property value, 0 - no impact		5.9	
3. Insurance cost/ability to acquire value: 10 - unable to acquire insurance, 5 - insurance 2x cost of comparable home, 0 - no impact		3.9	
4. Maintenance cost for infrastructure to repair drainage impacts value: 10 - complete replacement required, 0 - no repairs required		7.5	
5. Home repair due to drainage problems value: 10 - all homes require repair, 0 - no homes require repair		6.9	
6. Property loss (other than homes) value: 10 - vehicle &/or boat loss by 50% or more of community, 0 - no loss		4.4	
TECHNICAL CRITERIA			
1. Frequency of drainage problem occurrence value: 10 - five or more times per year, 1 - less than once a year		8.6	
2. Intensity of incidents value: 10 - flooding happens with normal high tides, 8 - flooding happens with 1" rain event, 1 - flooding happens with major storms		8.8	
3. Safety design standards value: 10 - currently not being met, 0 - currently being met		5.6	

4. Complexity of solution value: 10 - project can be done in 1 day, 1 - may take 3-5 years or longer		7.6	
5. Site accessibility (easements, permission to access) value: 10 - site fully accessible/all access granted, 0 - access denied		8.3	
ENVIRONMENTAL/ECOLOGICAL IMPACTS			
1. Habitat impacts from drainage problem value: 10 - habitat destroyed, 0 - no habitats impacted		5.6	
2. Habitat impacts from proposed drainage improvements value: 10 - no habitats impacted, 0 - habitat destroyed		6.5	
3. Presence of endangered/threatened species value: 10 - at least 1 endangered/threatened species present, 0 - none present		6.8	
4. Impacts on mosquito populations value: 10 - there is an impact on mosquito population, 0 - no impacts		5.5	
5. Water Quality impacts from drainage problem value: 10 - water quality impacted, 0 - no impact		7.4	
6. Water Quality impacts from proposed drainage improvements value: 10 - water quality will be improved by solving drainage problem, 0 - water quality will not be improved		7.0	
7. Permitting value: 10 - no permits required, 0 - permits required, if not permissible, project is not viable		7.6	
AGRICULTURAL IMPACTS			
1. Loss of crops (short term impacts) value: 10 - entire crop/full season lost, 0 - no crop loss		7.3	
2. Loss of acreage, production capability (long term impacts) value: 10 - there is loss of acreage/production capacity due to drainage problem, 0 - no acreage impacts		7.6	
3. Poultry houses/manure sheds value: 10 - poultry houses/manure sheds are impacted by the drainage problem, 0 - no impacts		7.1	
PUBLIC HEALTH IMPACTS			
1. Mold value: 10 - one or more houses have mold due to drainage problems, 0 - no mold due to drainage		5.3	
2. Combined Sewer Overflows value: 10 - CSO's impacted, 0 - no CSO's impacted		7.8	
3. Septic Systems value: 10 - Septic systems impacted, 0 - no septic systems impacted		8.8	
4. Water supply value: 10 - all water supply unsafe to drink, 0 - no water supply impacts		8.8	
SOCIETAL IMPACTS			

