

Appendix A.9
Potentially Feasible Flood Management Strategies Identified by RFPG

FMS ID	RFPG No.	RFPG Name	FMS Name	Description	Assoc Goals (ID)	Counties	HUCs	HUC12s	Watersheds	Project Type	Strategy Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Nonrecurring, Noncapital Cost (\$)	Estimated Total Strategy Cost (\$)	Potential Funding Sources and Amount
13200001	13	Nueces	Education and Outreach	Create a public outreach program to educate the community on the benefits of building code enforcement and flood hazard mitigation strategies. Also, coordinate regionally regarding flood early warning systems currently implemented in our region.	13000024	Medina	12110107	121101070109,121101070201,121101070202,121101070203,121101070204	13000322,13000325,13000329,13000330,1300333	Education and Outreach	28.38	Riverine, Urban,	13002953	00000005,00000255,00000290,13002953	Y	\$ -	\$ 375,000.00	-
13200002	13	Nueces	Review and Adoption of Updated Building Codes	Review and Adoption of Updated Building Codes	13000016	Medina	12110107	121101070109,121101070201,121101070202,121101070203,121101070204	13000322,13000325,13000329,13000330,1300333	Regulatory and Guidance	28.38	Riverine, Urban,	13002953	00000005,00000255,00000290,13002953	Y	\$ -	\$ 100,000.00	-
13200003	13	Nueces	Subdivision Ordinance Revision	Create new Subdivision Ordinance and development standards to ensure the city is proactive in our regulatory practices and to ensure that the standards align with flood hazard mitigation strategies.	13000016	Medina	12110107	121101070109,121101070201,121101070202,121101070203,121101070204	13000322,13000325,13000329,13000330,1300333	Regulatory and Guidance	28.38	Riverine, Urban,	13002953	00000005,00000255,00000290,13002953	Y	\$ -	\$ 100,000.00	-
13200004	13	Nueces	Update City's Flood Hazard Mitigation Ordinance	Update the City's Flood Hazard Mitigation Ordinance to ensure proper regulation of NFIP requirements and to implement higher standards of floodplain management.	13000016	Medina	12110107	121101070109,121101070201,121101070202,121101070203,121101070204	13000322,13000325,13000329,13000330,1300333	Regulatory and Guidance	28.38	Riverine, Urban,	13002953	00000005,00000255,00000290,13002953	Y	\$ -	\$ 100,000.00	-
13200005	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - City of Pleasanton Action #6	New emergency communication infrastructure.	13000022	Atascosa	12110110	121101100205,121101100206	13000418,13000419	Flood Measurement and Warning	7.6	Riverine, Urban,	13000086	00000096,00000255,00000290,13003117	Y	\$ -	\$ 250,000.00	-
13200006	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - Atascosa County Action #1	Place flood gauges upstream of flood-prone areas to alert citizens to quickly rising waters.	13000007	Atascosa,Wilson,Medina,Bexar,La Salle,McMullen,Live Oak,Frio,Karnes	12110108,12110109,12110110,12100302			Flood Measurement and Warning	1214.85	Riverine, Coastal, Urban,	00000096	00000005,00000007,13000086,13000089,1300093,00000096,0000100,00000255,00000260,00000282,00000290,00000299,00000392,13002446,13003116,13003117,13003118,13003214,13003215	Y	\$ -	\$ 300,000.00	-
13200007	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - Atascosa County Action #5	Inventory of all low water crossing in the county and develop a prioritize projects in a COP for upgrades or replacement.	13000001	Atascosa,Wilson,Medina,Bexar,La Salle,McMullen,Live Oak,Frio,Karnes	12110108,12110109,12110110,12100302			Infrastructure Projects	1214.85	Riverine, Coastal, Urban,	00000096	00000005,00000007,13000086,13000089,1300093,00000096,0000100,00000255,00000260,00000282,00000290,00000299,00000392,13002446,13003116,13003117,13003118,13003214,13003215	Y	\$ -	\$ 60,000.00	-
13200008	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - Atascosa County Action #8	Develop and implement a reiver/creek clean out plan.	13000013	Atascosa,Wilson,Medina,Bexar,La Salle,McMullen,Live Oak,Frio,Karnes	12110108,12110109,12110110,12100302			Infrastructure Projects	1214.85	Riverine, Coastal, Urban,	00000096	00000005,00000007,13000086,13000089,1300093,00000096,0000100,00000255,00000260,00000282,00000290,00000299,00000392,13002446,13003116,13003117,13003118,13003214,13003215	Y	\$ -	\$ 100,000.00	-
13200009	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - Atascosa County Action #12	Establish and implement a voluntary "acquisition and demo program" to address repetitive loss to floodprone properties.	13000013, 13000020	Atascosa,Wilson,Medina,Bexar,La Salle,McMullen,Live Oak,Frio,Karnes	12110108,12110109,12110110,12100302			Property Acquisition and Structural Elevation	1214.85	Riverine, Coastal, Urban,	00000096	00000005,00000007,13000086,13000089,1300093,00000096,0000100,00000255,00000260,00000282,00000290,00000299,00000392,13002446,13003116,13003117,13003118,13003214,13003215	Y	\$ -	\$ 600,000.00	-
13200010	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - Atascosa County Action #13	Implement alert system to warn community of hazards.	13000007	Atascosa,Wilson,Medina,Bexar,La Salle,McMullen,Live Oak,Frio,Karnes	12110108,12110109,12110110,12100302			Flood Measurement and Warning	1214.85	Riverine, Coastal, Urban,	00000096	00000005,00000007,13000086,13000089,1300093,00000096,0000100,00000255,00000260,00000282,00000290,00000299,00000392,13002446,13003116,13003117,13003118,13003214,13003215	Y	\$ -	\$ 300,000.00	-
13200011	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - City of Charlotte Action #7	The enforcement of the flood damage prevention ordinance	13000016	Atascosa	12110109,12110110	121101090402,121101090404,121101100401	13000397,13000399,13000426	Regulatory and Guidance	1.97	Riverine, Urban,	13003214	00000096,00000255,00000290,13003214	Y	\$ -	\$ 75,000.00	-
13200012	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - City of Christine Action #4	Install early warning system for hazards	13000007	Atascosa	12110110	121101100403,121101100405	13000417,13000428	Flood Measurement and Warning	1.77	Riverine, Urban,	13003215	00000096,00000255,00000290,13003215	Y	\$ -	\$ 150,000.00	-
13200013	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - City of Christine Action #5	Public education and outreach programs to education citizens about mitigation against hazards	13000024	Atascosa	12110110	121101100403,121101100405	13000417,13000428	Education and Outreach	1.77	Riverine, Urban,	13003215	00000096,00000255,00000290,13003215	Y	\$ -	\$ 5,000.00	-
13200014	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - City of Jourdanton Action #3	Enforcement of flood damage prevention ordinance	13000016	Atascosa	12110110	121101100206,121101100402,121101100405	13000419,13000427,13000428	Regulatory and Guidance	3.48	Riverine, Urban,	13003116	00000096,00000255,00000290,13003116	Y	\$ -	\$ 75,000.00	-
13200015	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - City of Jourdanton Action #6	Install educational signage such as "turn around don't drown" at high risk low water crossings	13000002	Atascosa	12110110	121101100206,121101100402,121101100405	13000419,13000427,13000428	Education and Outreach	3.48	Riverine, Urban,	13003116	00000096,00000255,00000290,13003116	Y	\$ -	\$ 25,000.00	-
13200016	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - City of Jourdanton Action #4	Maintain Storm Drainage System	13000013	Atascosa	12110110	121101100206,121101100402,121101100405	13000419,13000427,13000428	Infrastructure Projects	3.48	Riverine, Urban,	13003116	00000096,00000255,00000290,13003116	Y	\$ -	\$ 40,000.00	-
13200017	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - City of Jourdanton Action #9	Install early warning systems for hazards	13000007	Atascosa	12110110	121101100206,121101100402,121101100405	13000419,13000427,13000428	Flood Measurement and Warning	3.48	Riverine, Urban,	13003116	00000096,00000255,00000290,13003116	Y	\$ -	\$ 100,000.00	-
13200018	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - City of Lytle Action #1	Public education and outreach programs to education citizens about mitigation against hazards	13000024	Atascosa,Medina,Bexar	12110110	121101100101	13000405	Education and Outreach	4.34	Riverine, Coastal, Urban,	13002446	00000005,00000007,00000096,00000255,00000282,00000290,00000299,13002446	Y	\$ -	\$ 5,000.00	-
13200019	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - Lytle ISD Action #5	Create and implement a hazard educational enhancement program in which faculty/students can collaborate in understanding and communicating hazards of concern.	13000024	Atascosa,Medina,Bexar	12110110	121101100101	13000405	Education and Outreach	4.34	Riverine, Coastal, Urban,	13002446	00000005,00000007,00000096,00000255,00000282,00000290,00000299,13002446	Y	\$ -	\$ 5,000.00	-
13200020	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - City of Poteet Action #3	Install early warning systems	13000007	Atascosa	12110110	121101100203	13000416	Flood Measurement and Warning	1.66	Riverine, Urban,	13003118	00000096,00000255,00000290,13003118	Y	\$ -	\$ 50,000.00	-
13200021	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - Poteet ISD Action #7	Upgrade Schools against all hazards. A detailed study on the cost effectiveness measures to protect schools against all hazards	13000022	Atascosa	12110110	121101100203	13000416	Infrastructure Projects	1.66	Riverine, Urban,	13003118	00000096,00000255,00000290,13003118	Y	\$ -	\$ 300,000.00	-
13200022	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - Poteet ISD Action #6	Replace or improve inoperable communication equipment for better county wide coordination between municipalities, police, EMTs, and other emergency personnel for hazards.	13000022	Atascosa	12110110	121101100203	13000416	Infrastructure Projects	1.66	Riverine, Urban,	13003118	00000096,00000255,00000290,13003118	Y	\$ -	\$ 50,000.00	-
13200023	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - City of Poteet Action #1	Improve or replace inoperable communications in city departments and outside agencies	13000013	Atascosa	12110110	121101100203	13000416	Infrastructure Projects	1.66	Riverine, Urban,	13003118	00000096,00000255,00000290,13003118	Y	\$ -	\$ 50,000.00	-
13200024	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - City of Poteet Action #2	Increase local enforcement of the flood damage prevention ordinance by hiring a more full time staff	13000016	Atascosa	12110110	121101100203	13000416	Regulatory and Guidance	1.66	Riverine, Urban,	13003118	00000096,00000255,00000290,13003118	Y	\$ -	\$ 530,000.00	-
13200025	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - Poteet ISD Action #4	Create and implement a hazard educational enhancement program in which faculty/students can collaborate in understanding and communicating hazards of concern.	13000024	Atascosa	12110110	121101100203	13000416	Education and Outreach	1.66	Riverine, Urban,	13003118	00000096,00000255,00000290,13003118	Y	\$ -	\$ 5,000.00	-
13200026	13	Nueces	City of Alice & Jim Wells County Multi-Hazard Mitigation Plan - Educational Outreach (City of Alice)	This action will create a program to educate City of Alice employees and members of the public about specific mitigation actions for all hazards	13000024	Jim Wells	12110204	121102040404,121102040405	13000496,13000513	Education and Outreach	12.7	Riverine, Urban,	13003128	13000080,00000260,00000290,13001788,13003128	Y	\$ -	\$ 25,000.00	-

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FMS ID	RFPG No.	RFPG Name	FMS Name	Description	Assoc Goals (ID)	Counties	HUCs	HUC12s	Watersheds	Project Type	Strategy Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Nonrecurring, Noncapital Cost (\$)	Estimated Total Strategy Cost (\$)	Potential Funding Sources and Amount
13200027	13	Nueces	City of Alice & Jim Wells County Multi-Hazard Mitigation Plan - Create a Buyout Program for Repetitive Loss Properties	This action will develop and implement a program to buyout repetitive loss properties to expand drainage systems.	13000013	Jim Wells	12110204	121102040404,121102040405	13000496,13000513	Property Acquisition and Structural Elevation	12.7	Riverine, Urban,	13003128	13000080,00000260,00000290,13001788,13003128	Y	\$ -	\$ 5,000,000.00	-
13200028	13	Nueces	City of Alice & Jim Wells County Multi-Hazard Mitigation Plan - Restrict development in high hazard areas (City of Alice)	The City of Alice will re-evaluate all existing floodplain construction restrictions to identify strengths and weaknesses and update.	13000016	Jim Wells	12110204	121102040404,121102040405	13000496,13000513	Regulatory and Guidance	12.7	Riverine, Urban,	13003128	13000080,00000260,00000290,13001788,13003128	Y	\$ -	\$ 200,000.00	-
13200029	13	Nueces	City of Alice & Jim Wells County Multi-Hazard Mitigation Plan - Educational Outreach (Jim Wells County)	This action will create a program to educate the public about specific mitigation actions for all hazards, including but not limited to participation in Wildfire Fuels Reduction, Tornado Saferooms, Structural Hardening, etc...	13000024	Brooks,Kleberg,Nueces,Duval,Jim Wells,San Patricio,Live Oak	12110111,12110204,12110205,12110206			Education and Outreach	867.95	Riverine, Urban,	13000080	13000079,13000080,13000081,13000089,0000260,00000290,13000409,13000585,13000779,13000842,13001666,13001741,13001788,13003127,13003128,13003130,13003131	Y	\$ -	\$ 50,000.00	-
13200030	13	Nueces	City of Alice & Jim Wells County Multi-Hazard Mitigation Plan - Mandate Freeboard on Structures to Reduce Flooding Damage	Jim Wells County will re-evaluate all existing floodplain construction restrictions to identify strengths and weaknesses in order to produce a new ordinance, update its existing flood damage prevention ordinance, and / or update its zoning code.	13000016	Brooks,Kleberg,Nueces,Duval,Jim Wells,San Patricio,Live Oak	12110111,12110204,12110205,12110206			Regulatory and Guidance	867.95	Riverine, Urban,	13000080	13000079,13000080,13000081,13000089,0000260,00000290,13000409,13000585,13000779,13000842,13001666,13001741,13001788,13003127,13003128,13003130,13003131	Y	\$ -	\$ 200,000.00	-
13200031	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - City of Charlotte Action #8	Conduct a feasibility study to evaluate size options for a community safe room	13000022	Atascosa	12110109,12110110	121101090402,121101090404,121101100401	13000397,13000399,13000426	Infrastructure Projects	1.97	Riverine, Urban,	13003214	00000096,00000255,00000290,13003214	Y	\$ -	\$ 250,000.00	-
13200032	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - City of Jourdan Action #10	Conduct a feasibility study to evaluate site options for a community safe room for hazards	13000022	Atascosa	12110110	121101100206,121101100402,121101100405	13000419,13000427,13000428	Infrastructure Projects	3.48	Riverine, Urban,	13003116	00000096,00000255,00000290,13003116	Y	\$ -	\$ 250,000.00	-
13200033	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - City of Pleasanton Action #5	Education homeowners on all types of hazards	13000024	Atascosa	12110110	121101100205,121101100206	13000418,13000419	Education and Outreach	7.6	Riverine, Urban,	13003117	00000096,00000255,00000290,13003117	Y	\$ -	\$ 10,000.00	-
13200034	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - McMullen County Action #4	Public awareness and education on all hazards	13000024	Atascosa,Duval,Webb,La Salle,McMullen,Live Oak,Frio	12110105,12110108,12110109,12110110,12110111			Education and Outreach	1162.54	Riverine, Urban,	13000086	13000085,13000086,13000093,00000096,00000255,00000260,00000268,00000290,13000949,13001666	Y	\$ -	\$ 300,000.00	-
13200035	13	Nueces	Jim Wells County Stream Gage Installation	Install stream gages throughout the county.	13000007	Brooks,Kleberg,Nueces,Duval,Jim Wells,San Patricio,Live Oak	12110111,12110204,12110205,12110206			Flood Measurement and Warning	867.95	Riverine, Urban,	13000080	13000079,13000080,13000081,13000089,0000260,00000290,13000409,13000585,13000779,13000842,13001666,13001741,13001788,13003127,13003128,13003130,13003131	Y	\$ -	\$ 250,000.00	-
13200036	13	Nueces	Jim Wells County Flood Warning System	A county wide flood warning system	13000007	Brooks,Kleberg,Nueces,Duval,Jim Wells,San Patricio,Live Oak	12110111,12110204,12110205,12110206			Flood Measurement and Warning	867.95	Riverine, Urban,	13000080	13000079,13000080,13000081,13000089,0000260,00000290,13000409,13000585,13000779,13000842,13001666,13001741,13001788,13003127,13003128,13003130,13003131	Y	\$ -	\$ 250,000.00	-
13200037	13	Nueces	Citywide Stormwater System Inspection	Inspect the City's storm water infrastructure to determine needed repairs.	13000013	Kleberg,Nueces,San Patricio	12110111,12110201,12110202,12110203	121101110706,121101110705,121101110707,121102010001,121102010003,121102010005,121102010004,121102020001,121102020002,121102020003,121102020004,121102020005,121102020006,121102020007,121102020008,121102020009,121102020010,121102020011,121102020012,121102020013,121102020014,121102020015,121102020016,121102020017,121102020018,121102020019,121102020020,121102020021,121102020022,121102020023,121102020024,121102020025,121102020026,121102020027,121102020028,121102020029,121102020030,121102030100,121102030200	13000442,13000447,13000448,13000479,13000481,13000482,13000608,13000609,13000610,13000611,13000612,13000613,13000614,13000615,13000616,13000617,13000618,13000619,13000620,13000621,13000622,13000623,13000624	Other	158.01	Riverine, Coastal, Urban, Other,	13002900	13000077,13000078,13000081,00000260,00000290,13000409,13000585,13000876,13000981,13000982,13001739,13002900,13002930,13003368	Y	\$ -	\$ 250,000.00	-
13200038	13	Nueces	Flood Mitigation Public Education	Design and implement a program for public education. The program will educate citizens on methods of hazard mitigation and risk reduction. To be incorporated into Aransas County's floodplain management program as part of CRS.	13000022	Nueces,San Patricio,Aransas,Refugio	12100404,12100407,12100403,12100405	121004040000,121004070404,121004070402,121004030200,121004050400,121004050203,121004050305,121004050204,121004050304,121004050306,121004050307,121004050308,121004050303,121004050205,121004050302,121004050102,121004050103,121004050500	13000026,13000028,13000592,13000594,13000595,13000596,13000597,13000598,13000599,13000600,13000602,13000603,13000606,13000607,13000627	Education and Outreach	281.79	Riverine, Coastal, Urban,	00000083	13000078,13000081,00000083,00000084,00000260,00000264,00000290,00000291,13000381,13000409,13000576,13000585,13000586,00000714,13000777,00000758,13000881,13000981,13001044,00001608,13002735,13002900,13003368,13003450,13003451	Y	\$ -	\$ 50,000.00	-
13200039	13	Nueces	Aransas County Wetlands Preservation Plan	Aransas County Texas Multi-Jurisdictional Hazard Mitigation Action Plan - Action #4: Create a county-wide wetlands preservation plan	13000008,13000020	Nueces,San Patricio,Aransas,Refugio	12100404,12100407,12100403,12100405	121004040000,121004070404,121004070402,121004030200,121004050400,121004050203,121004050305,121004050204,121004050304,121004050306,121004050307,121004050308,121004050303,121004050205,121004050302,121004050102,121004050103,121004050500	13000026,13000028,13000592,13000594,13000595,13000596,13000597,13000598,13000599,13000600,13000602,13000603,13000606,13000607,13000627	Regulatory and Guidance	281.79	Riverine, Coastal, Urban,	00000083	13000078,13000081,00000083,00000084,00000260,00000264,00000290,00000291,13000381,13000409,13000576,13000585,13000586,00000714,13000777,00000758,13000881,13000981,13001044,00001608,13002735,13002900,13003368,13003450,13003451	Y	\$ -	\$ 5,000,000.00	-
13200040	13	Nueces	Aransas County Flood Warning System	The county needs flood warning systems throughout the region.	13000007	Nueces,San Patricio,Aransas,Refugio	12100404,12100407,12100403,12100405	121004040000,121004070404,121004070402,121004030200,121004050400,121004050203,121004050305,121004050204,121004050304,121004050306,121004050307,121004050308,121004050303,121004050205,121004050302,121004050102,121004050103,121004050500	13000026,13000028,13000592,13000594,13000595,13000596,13000597,13000598,13000599,13000600,13000602,13000603,13000606,13000607,13000627	Flood Measurement and Warning	281.79	Riverine, Coastal, Urban,	00000083	13000078,13000081,00000083,00000084,00000260,00000264,00000290,00000291,13000381,13000409,13000576,13000585,13000586,00000714,13000777,00000758,13000881,13000981,13001044,00001608,13002735,13002900,13003368,13003450,13003451	Y	\$ -	\$ 250,000.00	-
13200041	13	Nueces	Bee County Emergency Warning System	COASTAL BEND MITIGATION ACTION PLAN - BE - 05: Emergency Warning and Public Information System, Bee County and the City of Beeville's capacity to communicate warnings and emergency information to residents is limited to a siren in Beeville's city limits.	13000007	San Patricio,Refugio,Bee,Live Oak,Goliad,Karnes	12100406,12100407,12110111			Flood Measurement and Warning	878.78	Riverine, Urban,	13000087,13002711	13000087,13000089,00000090,00000095,00000255,00000260,00000264,00000282,00000290,13000409,13000585,00000714,00000758,13001487,13001488,13002711	Y	\$ -	\$ 250,000.00	-
13200042	13	Nueces	San Patricio County Dam Failure Education Program	San Patricio County Hazard Mitigation Action Plan - San Patricio County, Action #5: Develop and implement a dam failure hazard education program to provide information on the potential for dam failure and the areas at greatest risk.	13000022	Nueces,Jim Wells,San Patricio,Aransas,Refugio,Bee,Live Oak	12100407,12110111,12110201,12100405			Education and Outreach	704.79	Riverine, Coastal, Urban,	13000081	13000087,13000089,00000090,00000095,00000255,00000260,00000264,00000282,00000290,13000409,13000585,00000714,00000758,13001487,13001488,13002711	Y	\$ -	\$ 50,000.00	-
13200043	13	Nueces	Ingleside on the Bay Flood Mitigation Policy	San Patricio County Hazard Mitigation Action Plan - City of Ingleside on the Bay, Action #11: Adopt ASFPM's "No Adverse Impact" policy to mitigate local flooding.	13000007	Nueces,San Patricio	12110201	121102010003,121102010005	13000481,13000482	Regulatory and Guidance	0.31	Riverine, Coastal, Urban,	13003248	13000078,13000081,00000260,00000290,13000409,13000585,13000586,13002900,13002930,13003248	Y	\$ -	\$ 100,000.00	-
13200044	13	Nueces	Odem Flood Mitigation Policy	San Patricio County Hazard Mitigation Action Plan - City of Odem, Action #5: Adopt higher floodplain standards above the minimum requirements to provide additional flood protection to new development.	13000007	San Patricio	12100407,12110201	121004070302,121102010001	13000031,13000479	Regulatory and Guidance	1.27	Riverine, Urban,	13003412	13000081,00000260,00000290,13000409,13000585,13000586,13003412	Y	\$ -	\$ 100,000.00	-
13200045	13	Nueces	Odem Flood Awareness Program	San Patricio County Hazard Mitigation Action Plan - City of Odem, Action #15: Implement a flood awareness program by providing FEMA/NFIP materials to mortgage lenders, real estate agents and insurance agents and place them in local libraries.	13000022	San Patricio	12100407,12110201	121004070302,121102010001	13000031,13000479	Education and Outreach	1.27	Riverine, Urban,	13003412	13000081,00000260,00000290,13000409,13000585,13000586,13003412	Y	\$ -	\$ 50,000.00	-

Appendix A.9
Potentially Feasible Flood Management Strategies Identified by RFPG

FMS ID	RFPG No.	RFPG Name	FMS Name	Description	Flood Risk									FMS ID	Reduction in Flood Risk										Cost/ Structure removed	Consideration of Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation			
					Area in 100yr (1% annual chance) Floodpl	Area in 500yr (0.2% annual chance) Floodpl	Est number of structures at 100yr flood risk	Habitable struct at flood risk	Est Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Est number of road closures (#)	Est length of roads at flood risk (Miles)		Est active farm & ranch land at flood risk (acres)	Number of struct with reduced 100yr (1% annual chance) Flood risk	Number of struct removed from 100yr (1% annual chance) Flood risk	Number of struct removed from 500yr (0.2% annual chance) Flood risk	Habitable struct removed from 100yr (1% annual chance) Flood risk	Estimated Popul removed from 100yr (1% annual chance) Flood risk	Critical facilities removed from 100yr (1% annual chance) Flood risk (#)	Number of low water crossings removed from 100yr (1% annual chance) Flood risk (#)	Est reduction in road closure occurrences	Est length of roads removed from 100yr flood risk (Miles)								Est active farm & ranch land removed from 100yr flood risk (acres)	Est reduction in fatalities (if available)	Est reduction in injuries (if available)
13200001	13	Nueces	Education and Outreach	Create a public outreach program to educate the community on the benefits of building code enforcement and flood hazard mitigation strategies. Also, coordinate regionally regarding flood early warning systems currently implemented in our region.	4.4	1.2	592	425	2211	3	5	67	15	1095.9	13200001													0	Yes	N		N	Y	high need, in vulnerable area
13200002	13	Nueces	Review and Adoption of Updated Building Codes	Review and Adoption of Updated Building Codes	4.4	1.2	592	425	2211	3	5	67	15	1095.9	13200002													0	Yes	N		N	Y	high need, in vulnerable area
13200003	13	Nueces	Subdivision Ordinance Revision	Create new Subdivision Ordinance and development standards to ensure the city is proactive in our regulatory practices and to ensure that the standards align with flood hazard mitigation strategies.	4.4	1.2	592	425	2211	3	5	67	15	1095.9	13200003													0	Yes	N		N	Y	high need, in vulnerable area
13200004	13	Nueces	Update City's Flood Hazard Mitigation Ordinance	Update the City's Flood Hazard Mitigation Ordinance to ensure proper regulation of NFIP requirements and to implement higher standards of floodplain management.	4.4	1.2	592	425	2211	3	5	67	15	1095.9	13200004													0	Yes	N		N	Y	high need, in vulnerable area
13200005	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - City of Pleasanton Action #6	New emergency communication infrastructure.	1.6	0.6	464	322	2226	1	5	107	16	7.7	13200005													0	Yes	N		N	N	not necessarily flood related
13200006	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - Atascosa County Action #1	Place flood gauges upstream of flood-prone areas to alert citizens to quickly rising waters.	189.7	63.3	1947	1498	3669	1	28	570	141	3068.9	13200006													0	Yes	N		N	Y	high need area
13200007	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - Atascosa County Action #5	Inventory of all low water crossing in the county and develop a prioritize projects in a COP for upgrades or replacement.	189.7	63.3	1947	1498	3669	1	28	570	141	3068.9	13200007													0	Yes	N		N	Y	high need area
13200008	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - Atascosa County Action #8	Develop and implement a river/creek clean up plan.	189.7	63.3	1947	1498	3669	1	28	570	141	3068.9	13200008													0	Yes	N		N	N	lack of information on need and benefit
13200009	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - Atascosa County Action #12	Establish and implement a voluntary "acquisition and demo program" to address repetitive loss to floodprone properties.	189.7	63.3	1947	1498	3669	1	28	570	141	3068.9	13200009													0	Yes	N		N	Y	high need area
13200010	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - Atascosa County Action #13	Implement alert system to warn community of hazards.	189.7	63.3	1947	1498	3669	1	28	570	141	3068.9	13200010													0	Yes	N		N	N	not enough information, may not be flood related
13200011	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - City of Charlotte Action #7	The enforcement of the flood damage prevention ordinance	0.1	0.0	3	3	4	0	0	10	0	0.0	13200011													0	Yes	N		N	Y	high need area
13200012	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - City of Christine Action #4	Install early warning system for hazards	0.2	0.1	15	8	13	0	0	18	1	0.0	13200012													0	Yes	N		N	N	too general, not flood related
13200013	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - City of Christine Action #5	Public education and outreach programs to education citizens about mitigation against hazards	0.2	0.1	15	8	13	0	0	18	1	0.0	13200013													0	Yes	N		N	N	too general, not flood related
13200014	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - City of Jourdan Action #3	Enforcement of flood damage prevention ordinance	0.2	0.1	18	11	113	0	0	25	1	1.3	13200014													0	Yes	N		N	Y	high need area
13200015	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - City of Jourdan Action #6	Install educational signage such as "turn around don't drown" at high risk low water crossings	0.2	0.1	18	11	113	0	0	25	1	1.3	13200015													0	Yes	N		N	Y	high need area
13200016	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - City of Jourdan Action #4	Maintain Storm Drainage System	0.2	0.1	18	11	113	0	0	25	1	1.3	13200016													0	Yes	N		N	Y	high need area
13200017	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - City of Jourdan Action #9	Install early warning systems for hazards	0.2	0.1	18	11	113	0	0	25	1	1.3	13200017													0	Yes	N		N	N	not enough information
13200018	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - City of Lytle Action #1	Public education and outreach programs to education citizens about mitigation against hazards	0.6	0.2	112	92	288	0	9	29	3	7.4	13200018													0	Yes	N		N	N	too general, not necessarily flood related
13200019	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - Lytle ISD Action #6	Create and implement a hazard educational enhancement program in which faculty/students can collaborate in understanding and communicating hazards of concern.	0.6	0.2	112	92	288	0	9	29	3	7.4	13200019													0	Yes	N		N	N	too general, not necessarily flood related
13200020	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - City of Poteet Action #3	Install early warning systems	0.3	0.1	259	224	471	0	0	35	5	0.8	13200020													0	Yes	N		N	N	not enough information
13200021	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - Poteet ISD Action #7	Upgrade Schools against all hazards. A detailed study on the cost effectiveness measures to protect schools against all hazards	0.3	0.1	259	224	471	0	0	35	5	0.8	13200021													0	Yes	N		N	N	not flood related
13200022	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - Poteet ISD Action #6	Replace or improve inoperable communication equipment for better county wide coordination between municipalities, police, EMTs, and other emergency personnel for hazards.	0.3	0.1	259	224	471	0	0	35	5	0.8	13200022													0	Yes	N		N	N	not flood related
13200023	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - City of Poteet Action #1	Improve or replace inoperable communications in city departments and outside agencies	0.3	0.1	259	224	471	0	0	35	5	0.8	13200023													0	Yes	N		N	N	not flood related
13200024	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - City of Poteet Action #2	Increase local enforcement of the flood damage prevention ordinance by hiring a more full time staff	0.3	0.1	259	224	471	0	0	35	5	0.8	13200024													0	Yes	N		N	Y	high need area
13200025	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - Poteet ISD Action #4	Create and implement a hazard educational enhancement program in which faculty/students can collaborate in understanding and communicating hazards of concern.	0.3	0.1	259	224	471	0	0	35	5	0.8	13200025													0	Yes	N		N	N	too general, not necessarily flood related
13200026	13	Nueces	City of Alice & Jim Wells County Multi-Hazard Mitigation Plan - Educational Outreach (City of Alice)	This action will create a program to educate City of Alice employees and members of the public about specific mitigation actions for all hazards	4.0	6.5	893	572	6681	8	4	296	19	131.8	13200026													0	Yes	N		N	N	Not specifically flood related

Appendix A.9
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FMS ID	RFPG No.	RFPG Name	FMS Name	Description	Flood Risk								FMS ID	Reduction in Flood Risk										Cost/ Structure removed	Consideration of Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation					
					Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Est number of structures at 100yr flood risk	Habitable struct at flood risk	Est Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Est number of road closures (#)		Est length of roads at flood risk (Miles)	Est active farm & ranch land at flood risk (acres)	Number of struct with reduced 100yr (1% annual chance) Flood risk	Number of struct removed from 100yr (1% annual chance) Flood risk	Number of struct removed from 500yr (0.2% annual chance) Flood risk	Habitable struct removed from 100yr (1% annual chance) Flood risk	Estimated Popul removed from 100yr (1% annual chance) Flood risk	Critical facilities removed from 100yr (1% annual chance) Flood risk (#)	Number of low water crossings removed from 100yr (1% annual chance) Flood risk (#)	Est reduction in road closure occurrences								Est length of roads removed from 100yr flood risk (Miles)	Est active farm & ranch land removed from 100yr flood risk (acres)	Est reduction in fatalities (if available)	Est reduction in injuries (if available)	
13200027	13	Nueces	City of Alice & Jim Wells County Multi-Hazard Mitigation Plan - Create a Buyout Program for Repetitive Loss Properties	This action will develop and implement a program to buyout repetitive loss properties to expand drainage systems.	4.0	6.5	893	572	6681	8	4	296	19	131.8	13200027													0	Yes	N		N	Y	high need area	
13200028	13	Nueces	City of Alice & Jim Wells County Multi-Hazard Mitigation Plan - Restrict development in high hazard areas (City of Alice)	The City of Alice will re-evaluate all existing floodplain construction restrictions to identify strengths and weaknesses and update.	4.0	6.5	893	572	6681	8	4	296	19	131.8	13200028														0	Yes	N		N	Y	high need area
13200029	13	Nueces	City of Alice & Jim Wells County Multi-Hazard Mitigation Plan - Educational Outreach (Jim Wells County)	This action will create a program to educate the public about specific mitigation actions for all hazards, including but not limited to participation in Wildfire Fuels Reduction, Tornado Saferooms, Structural Hardening, etc...	201.4	54.0	2398	1145	8685	9	13	624	201	25815.6	13200029														0	Yes	N		N	N	Not specifically flood related
13200030	13	Nueces	City of Alice & Jim Wells County Multi-Hazard Mitigation Plan - Mandate Freeboard on Structures to Reduce Flooding Damage	Jim Wells County will re-evaluate all existing floodplain construction restrictions to identify strengths and weaknesses in order to produce a new ordinance, update its existing flood damage prevention ordinance, and / or update its zoning code.	201.4	54.0	2398	1145	8685	9	13	624	201	25815.6	13200030														0	Yes	N		N	Y	high need area
13200031	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - City of Charlotte Action #8	Conduct a feasibility study to evaluate size options for a community safe room	0.1	0.0	3	3	4	0	0	10	0	0.0	13200031														0	Yes	N		N	N	not flood related
13200032	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - City of Jourdan Action #10	Conduct a feasibility study to evaluate site options for a community safe room for hazards	0.2	0.1	18	11	113	0	0	25	1	1.3	13200032														0	Yes	N		N	N	not flood mitigation related
13200033	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - City of Pleasanton Action #5	Education homeowners on all types of hazards	1.6	0.6	464	322	2226	1	5	107	16	7.7	13200033														0	Yes	N		N	N	too general, not necessary flood related
13200034	13	Nueces	Atascosa McMullen Hazard Mitigation Plan - McMullen County Action #4	Public awareness and education on all hazards	270.0	59.8	339	90	103	0	6	70	39	2424.7	13200034														0	Yes	N		N	N	too general, not necessary flood related
13200035	13	Nueces	Jim Wells County Stream Gage Installation	Install stream gages throughout the county.	201.4	54.0	2398	1145	8685	9	13	624	201	25815.6	13200035														0	Yes	N		N	N	information is insufficient
13200036	13	Nueces	Jim Wells County Flood Warning System	A county wide flood warning system	201.4	54.0	2398	1145	8685	9	13	624	201	25815.6	13200036														0	Yes	N		N	Y	high need area
13200037	13	Nueces	Citywide Stormwater System Inspection	Inspect the City's storm water infrastructure to determine needed repairs.	40.8	18.2	18577	16324	61330	114	0	2089	375	3908.3	13200037														0	Yes	N		N	Y	High risk area
13200038	13	Nueces	Flood Mitigation Public Education	Design and implement a program for public education. The program will educate citizens on methods of hazard mitigation and risk reduction. To be incorporated into Aransas County's floodplain management program as part of CRS.	111.3	37.8	3334	2828	4790	4	0	548	103	571.3	13200038														0	Yes	N		N	Y	High risk area
13200039	13	Nueces	Aransas County Wetlands Preservation Plan	Aransas County Texas Multi-Jurisdictional Hazard Mitigation Action Plan - Action #4: Create a county-wide wetlands preservation plan	111.3	37.8	3334	2828	4790	4	0	548	103	571.3	13200039														0	Yes	N		N	Y	Nature Based Solution
13200040	13	Nueces	Aransas County Flood Warning System	The county needs flood warning systems throughout the region.	111.3	37.8	3334	2828	4790	4	0	548	103	571.3	13200040														0	Yes	N		N	Y	High risk area
13200041	13	Nueces	Bee County Emergency Warning System	COASTAL BEND MITIGATION ACTION PLAN - BE - 05: Emergency Warning and Public Information System, Bee County and the City of Beeville's capacity to communicate warnings and emergency information to residents is limited to a siren in Beeville's city limits.	163.2	45.3	1617	792	6275	27	34	399	113	10462.9	13200041														0	Yes	N		N	Y	High risk area
13200042	13	Nueces	San Patricio County Dam Failure Education Program	San Patricio County Hazard Mitigation Action Plan - San Patricio County, Action #5: Develop and implement a dam failure hazard education program to provide information on the potential for dam failure and the areas at greatest risk.	179.4	38.4	5577	4182	10683	23	13	913	288	30917.0	13200042														0	Yes	N		N	Y	High risk area
13200043	13	Nueces	Ingleside on the Bay Flood Mitigation Policy	San Patricio County Hazard Mitigation Action Plan - City of Ingleside on the Bay, Action #11: Adopt ASFPM's "No Adverse Impact" policy to mitigate local flooding.	0.1	0.0	157	153	232	0	0	20	2	0.0	13200043														0	Yes	N		N	Y	provide regional support of local policies
13200044	13	Nueces	Odem Flood Mitigation Policy	San Patricio County Hazard Mitigation Action Plan - City of Odem, Action #5: Adopt higher floodplain standards above the minimum requirements to provide additional flood protection to new development.	0.2	0.1	137	110	293	0	0	18	3	38.4	13200044														0	Yes	N		N	Y	provide regional support of local policies
13200045	13	Nueces	Odem Flood Awareness Program	San Patricio County Hazard Mitigation Action Plan - City of Odem, Action #15: Implement a flood awareness program by providing FEMA/NFIP materials to mortgage lenders, real estate agents and insurance agents and place them in local libraries.	0.2	0.1	137	110	293	0	0	18	3	38.4	13200045														0	Yes	N		N	Y	provide regional support of local policies

Appendix A.9
Potentially Feasible Flood Management Strategies Identified by RFPG

FMS ID	RFPG No.	RFPG Name	FMS Name	Description	Flood Risk									FMS ID	Reduction in Flood Risk											Cost/ Structure removed	Consideration of Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation			
					Area in 100yr (1% annual chance) Fldpln	Area in 500yr (0.2% annual chance) Fldpln	Est number of structures at 100yr flood risk	Habitable struct at flood risk	Est Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Est number of road closures (#)	Est length of roads at flood risk (Miles)		Est active farm & ranch land at flood risk (acres)	Number of struct with reduced 100yr (1% annual chance) Flood risk	Number of struct removed from 100yr (1% annual chance) Flood risk	Number of struct removed from 500yr (0.2% annual chance) Flood risk	Habitable struct removed from 100yr (1% annual chance) Flood risk	Estimated Popul removed from 100yr (1% annual chance) Flood risk	Critical facilities removed from 100yr (1% annual chance) Flood risk (#)	Number of low water crossings removed from 100yr (1% annual chance) Flood risk (#)	Est reduction in road closure occurrences	Est length of roads removed from 100yr flood risk (Miles)	Est active farm & ranch land removed from 100yr flood risk (acres)								Est reduction in fatalities (if available)	Est reduction in injuries (if available)	
13200046	13	Nueces	Portland Flood Mitigation Policy	San Patricio County Hazard Mitigation Action Plan - City of Portland, Action #1: Adopt higher floodplain standards above the minimum requirements to provide additional flood protection to new development.	1.9	0.7	285	251	600	3	0	87	19	267.5	13200046														0	Yes	N		N	Y	provide regional support of local policies
13200047	13	Nueces	Sinton Flood Mitigation Policy	San Patricio County Hazard Mitigation Action Plan - City of Sinton, Action #2: Adopt higher floodplain standards above the minimum requirements to provide additional flood protection to new development.	1.2	0.5	762	612	2145	2	0	87	15	69.1	13200047														0	Yes	N		N	Y	provide regional support of local policies
13200048	13	Nueces	Floodplain Management Training	San Patricio County Hazard Mitigation Action Plan - City of Sinton, Action #14: Cross-train building inspectors in floodplain management requirements.	1.2	0.5	762	612	2145	2	0	87	15	69.1	13200048														0	Yes	N		N	Y	provide regional support of local policies
13200049	13	Nueces	Taft Flood Awareness Program	San Patricio County Hazard Mitigation Action Plan - City of Taft, Action #11: Educate community on the dangers of low water crossings through the installation of warning signs and promotion of "Turn Around, Don't Drown" program	0.3	0.1	89	81	180	0	0	34	2	99.3	13200049														0	Yes	N		N	Y	High risk area
13200050	13	Nueces	Nueces Basin Minimum Flood Management Standards	Promote minimum flood management standards) and identify and promote best practices to maintain drainage structures. Minimum flood management standards to require 1 ft above 100-year BFE or based on local ordinances, whichever is more stringent.	4540.1	1278.6	60967	42976	136543	445	526	7400	3215	251437.0	13200050														0	Yes	N		N	Y	needed to meet Goal 6 (min. flood standards)
13200051	13	Nueces	Nueces Basin flood public information campaign	Identify local, subregional workgroups aligned with flooding issues. Develop public information campaign templates with relevant flood-related communications.	4540.1	1278.6	60967	42976	136543	445	526	7400	3215	251437.0	13200051														0	Yes	N		N	Y	needed to meet Goal 8 (flood public information campaign)
13200052	13	Nueces	Shell Point Ranch Wetlands Protection	Texas Coastal Resiliency Master Plan - R3-5: Acquisition of approx 400 acres of coastal habitats and the southernmost extents of mima mounds at Shell Point Ranch. The acquisition also would mitigate flooding and storm surge damage to the area.	1.0	0.1	1	1	1	0	0	0	1	4.6	13200052														0	Yes	N		N	Y	Nature based solution
13200053	13	Nueces	Aransas County Coastal Erosion Response Plan	Aransas County Texas Multi-Jurisdictional Hazard Mitigation Action Plan - Action #9: Create an erosion response plan. New and existing buildings and infrastructure will benefit from coastal erosion protection	18.6	6.3	3334	2828	4790	4	0	548	103	571.2	13200053														0	Yes	N		N	Y	priority based on stakeholder interview
13200054	13	Nueces	Aransas County Educational Signage Program	Aransas County Multi-Jurisdictional Floodplain Management Plan - Action 3.1.e: Develop and install educational signage regarding flood safety to located along low areas of roadways likely to flood.	18.6	6.3	3334	2828	4790	4	0	548	103	571.2	13200054														0	Yes	N		N	Y	sponsor requested; vulnerable area
13200055	13	Nueces	Aransas Pass Flood Mitigation Policy	Incorporate higher floodplain management standards into City of Aransas Pass comprehensive plan update.	4.3	0.2	914	639	2022	0	0	138	32	4.8	13200055														0	Yes	N		N	Y	provide regional support of local policies
13200056	13	Nueces	Duval County Master Plan-Refine City of Freer Earthen Channel Maintenance Program	Revamp maintenance program for clearing excess debris and vegetation from the earthen channel. Prioritize the cross drains on the upstream side of the earthen channel.	0.0	0.0	37	28	46	0	0	9	0	0.0	13200056														0	Yes	N		N	Y	Vulnerable area
13200057	13	Nueces	Duval County Master Plan-Adopt and Enforce Design Standards and Ordinances in Freer	Adopt and enforce design standards and ordinances for new construction projects. Separate design standards exclusively about drainage should be considered.	0.8	0.2	259	173	343	0	0	38	5	10.4	13200057														0	Yes	N		N	Y	Vulnerable area
13200058	13	Nueces	Duval County Master Plan-Procure Easements for Drainage Infrastructure in Freer	Significant structures in Freer's drainage system are on private property, and the city does not have an access or maintenance easement. Freer should procure easements to these locations so structures can be maintained without private party involvement.	0.8	0.2	259	173	343	0	0	38	5	10.4	13200058														0	Yes	N		N	Y	Vulnerable area
13200059	13	Nueces	Duval County Master Plan-Clean and Maintain Drainage Infrastructure in San Diego	Clear, clean, and maintain current stormwater drainage infrastructure such as curbs and gutters on roads, culverts, ditches, inlets, and outfalls into San Diego Creek.	0.4	0.2	207	170	482	0	0	57	6	3.6	13200059														0	Yes	N		N	Y	High risk area
13200060	13	Nueces	Duval County Master Plan-Adopt and Enforce Design Standards and Ordinances in San Diego	Adopt and enforce design standards and ordinances for new construction projects. Separate design standards exclusively about drainage should be considered.	0.3	0.1	210	176	489	0	0	57	6	0.8	13200060														0	Yes	N		N	Y	High risk area