

Appendix A.6
Flood Mitigation and Floodplain Management Goals

Nueces Basin ID	Goal ID	Goal	Term of Goal	Target Year	Applicable To	Residual Risk	How will the Goal be Measured	Overarching Goal	Associated Goal IDs	Associated Goal IDs
1	13000001	Improve Safety at Low Water Crossings through Structural Improvements or Warning Systems	Other	2053	Entire RFPG	20% of high-risk LWC remaining	measured against Inventory of high risk LWCs	Protect against the loss of life	13000001, 13000002	1A/!B
1A	13000002	Conduct an inventory of low-water crossings (LWCs), characterize risk, and rank LWCs to prioritize those with high risk. Prepare a large-scale public outreach campaign to include "Turn Around Don't Drown" signage at LWCs or roadways aimed at reducing loss of life. Address top 30% of high-risk, LWCs through mitigation or warning systems.	Short Term (10 year)	2033	Entire RFPG	Lower 70% of high-risk LWC remaining	measured against Inventory of high risk LWCs	Protect against the loss of life	13000001, 13000003	1B
1B	13000003	Address 80% of high-risk LWC identified in the study.	Long Term (30 year)	2053	Entire RFPG	20% of high-risk LWC remaining	measured against Inventory of high risk LWCs	Protect against the loss of life	13000001, 13000002	1A
2	13000004	Rehabilitation, Removal or Replacement of Deficient High Hazard Dams as Identified by TCEQ Dam Safety Regulation Program	Other	2053	Entire RFPG	No residual risk in this category	measured against inventory of deficient high-hazard dams	Protect against the loss of life	13000004, 13000005	2A/2B
2A	13000005	Conduct a comprehensive study to identify all deficient high-hazard dams in the 31-county region. Remove or rehabilitate the top 30% high-hazard dams.	Short Term (10 year)	2033	Entire RFPG	Lower 70% of high-hazard dams remaining	measured against inventory of deficient high-hazard dams	Protect against the loss of life	13000004, 13000006	2B
2B	13000006	Remove or rehabilitate 100% deficient high-hazard dams.	Long Term (30 year)	2053	Entire RFPG	No residual risk in this category	measured against inventory of deficient high-hazard dams	Protect against the loss of life	13000004, 13000005	2A
3	13000007	Improve regional coordination , data collection/sharing of flood events and impacts, and implement flood warning systems	Other	2053	Entire RFPG	20% of the data gap unaddressed	measured against number of counties in data gap area	Protect against the loss of life	13000007, 13000008	3A/3B
3A	13000008	Develop (or expand) a successful flood management program on a regional scale to cover 20% of the data gap area(s) identified in the 2023 plan. Prepare large-scale public outreach to include "Turn Around Don't Drown" campaigns aimed at reducing loss of life.	Short Term (10 year)	2033	Entire RFPG	80% of the data gap unaddressed	measured against number of counties in data gap area	Protect against the loss of life	13000007, 13000009	3B
3B	13000009	Develop (or expand) a successful flood management program on a regional-scale to cover 80% of the data gap area(s) identified in the 2023 plan.	Long Term (30 year)	2053	Entire RFPG	20% of the data gap unaddressed	measured against number of counties in data gap area	Protect against the loss of life	13000007, 13000008	3A
4	13000010	Perform flood mapping evaluations and update floodplain maps and flood hazard data.	Other	2053	Entire RFPG	No residual risk in this category	measured using HUC-12 watersheds, measured using building inventory in flood hazard	Property Damage	13000010, 13000011	4A/4B
4A	13000011	Develop maps to Base Level Engineering (BLE) or National Flood Hazard Layer (NFHL)-level accuracy for 60% of the basin that does not currently have accurate mapping. Identify structures and buildings in the NFHL-Detailed Study Areas with elevations less than 1 foot above base flood elevation (BFE).	Short Term (10 year)	2033	Entire RFPG	40% of the basin that still do not have accurate mapping remains.	measured using HUC-12 watersheds, measured using building inventory in flood hazard	Property Damage	13000010, 13000012	4B
4B	13000012	Develop accurate maps to NFHL-level accuracy for 100% of the basin. Identify structures and buildings in the NFHL-Detailed Study Areas with elevations less than 1 foot above BFE.	Long Term (30 year)	2053	Entire RFPG	No residual risk in this category	measured using HUC-12 watersheds, measured using building inventory in flood hazard	Property Damage	13000010, 13000011	4A
5	13000013	Reduce the number of structures within NFHL-Detailed Study Area and Existing Floodplain with 1% annual chance flood risk.	Other	2053	Entire RFPG	50% of high hazard structures remain.	measured against inventory of high-hazard buildings located within the floodplain.	Property Damage	13000013, 13000014	5A/5B
5A	13000014	Identify structures within existing floodplain with 1% annual chance flood risk for 60% of the basin. Prepare a list of high-hazard buildings based on function, critical function, repetitive loss, or other community-related importance, summarize, and distribute results to affected floodplain management entities. Reduce the number of high hazard structures within the 1% existing floodplain by 10% for existing structures and identify new structures for targeting with 30-year goal.	Short Term (10 year)	2033	Entire RFPG	40% of the structures within the existing floodplain unidentified. 90% of high hazard structures remain.	measured against inventory of high-hazard buildings located within the floodplain.	Property Damage	13000013, 13000015	5B
5B	13000015	Identify structures within existing floodplain with 1% annual chance flood risk for 100% of the basin, including areas that have been updated with more accurate mapping. Prepare a list of high-hazard buildings based on function, critical function, repetitive loss, or other community-related importance, summarize, and distribute results to affected floodplain management entities. Reduce the number of high-hazard structures within the 1% existing floodplain by 50%.	Long Term (30 year)	2053	Entire RFPG	50% of high hazard structures remain.	measured against inventory of high-hazard buildings located within the floodplain.	Property Damage	13000013, 13000014	5A

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6	13000016	Prepare minimum flood management standards , including identifying operations and maintenance best practices to maintain drainage structures including remove gravel and sediment deposition to mitigate future flooding impacts.	Other	2053	Entire RFPG	No residual risk in this category	Measured against number of cities and counties with flood regulation related authority	Floodplain Management	13000016, 13000017	6A/6B
6A	13000017	Provide minimum flood standard recommendation(s) adopted by the NRFPG to floodplain administrators and community leaders, to include: Finished floor of structures are to be constructed a minimum of 1 foot above BFE 100-year or based on local ordinances, whichever is more stringent. The NRFPG strongly encourages cities and counties in the Nueces Basin to actively consider minimum 2 foot above base flood elevations, consistent with upcoming 2025 FEMA ordinances. The standards are based on available data, to be updated with Atlas 14 and/or TWDB BLE data when available. Achieve 30% voluntary adoption of the RFPG minimum standards by counties/cities. Define and recommend additional minimum flood standards for regional support towards implementation, as study results become available. Increase the number of communities adopting higher standards beyond NFIP requirements to 50% of counties and 30% of communities (current is 26% counties and 17% communities). Provide advocacy on the regional and state level to ensure that all communities across the region share a base-level of floodplain management support by 2030.	Short Term (10 year)	2033	Entire RFPG	70% cities/counties not adopting minimum RFPG standards. 50% of counties and 70% communities not adopting higher standards.	Measured against number of cities and counties with flood regulation related authority	Floodplain Management	13000016, 13000018	6B
6B	13000018	Achieve 100% voluntary adoption of RFPG minimum standards by counties/cities, including additional minimum flood standards defined during studies conducted through 2033 (10 year). Increase the number of communities adopting higher standards beyond NFIP requirements to 100% of counties and 100% of communities.	Long Term (30 year)	2053	Entire RFPG	No residual risk in this category	Measured against number of cities and counties with flood regulation related authority	Floodplain Management	13000016, 13000017	6A
7	13000019	Increase nature-based practices through land conservation and restoration programs and participation in landowner incentive programs to encourage voluntary land stewardship practices to manage floodwaters, slow runoff and dissipate flood energy to include riparian, wetland, forest, upland, and other habitat protection programs.	Other	2053	Entire RFPG	60% of the high success areas unaddressed. 20% of undeveloped riparian corridor mileage and 50% of acreage unpreserved.	Measured by riparian corridor mileage and acreage within the 100-year floodplain	Floodplain Management	13000019, 13000020	7A/7B
7A	13000020	Identify existing areas noted for conservation, restoration, and/or habitat protection, and develop a strategy for expanding these programs and/or identifying high success areas for riparian/wetland/forest conservation, restoration, and upland protection programs to enhance flood mitigation benefits. Identify preferred areas in Nueces Basin to expand federal and state land protection programs, and other programs that provide incentives for voluntary land conservation and restoration. Preserve 35% of undeveloped riparian corridor mileage and protect 25% of acreage within the 100-year floodplain through voluntary, local, state, or federal land conservation programs.	Short Term (10 year)	2033	Entire RFPG	65% of undeveloped riparian corridor mileage and 75% of acreage unpreserved.	Measured by riparian corridor mileage and acreage within the 100-year floodplain	Floodplain Management	13000019, 13000021	7B
7B	13000021	Work with local leadership to implement nature-based riparian, wetland, and upland conservation and/or restoration programs for 40% of the high success areas identified. Preserve 80% of undeveloped riparian corridor mileage and protect 50% of acreage within the 100-year floodplain through voluntary, local, state, or federal land conservation programs.	Long Term (30 year)	2053	Entire RFPG	60% of the high success areas unaddressed. 20% of undeveloped riparian corridor mileage and 50% of acreage unpreserved.	Measured by riparian corridor mileage and acreage within the 100-year floodplain	Floodplain Management	13000019, 13000020	7A
8	13000022	Develop public information campaign to increase community knowledge of rules and regulations, flood-prone areas, and importance of protecting floodplains from encroachment	Other	2053	Entire RFPG	20% of the region without public information plan campaigns	Present public information campaign results.	Floodplain Management	13000022, 13000023	8A/8B
8A	13000023	Identify local, subregional workgroups aligned with flooding issues. Develop public information campaign templates with relevant flood-related communications for 20% of the Nueces Region.	Short Term (10 year)	2033	Entire RFPG	80% of the region without public information plan campaigns	Present public information campaign results.	Floodplain Management	13000022, 13000024	8B
8B	13000024	Develop public information plan campaigns with relevant flood-related communications for 80% of the Nueces Region area.	Long Term (30 year)	2053	Entire RFPG	20% of the region without public information plan campaigns	Present public information campaign results.	Floodplain Management	13000022, 13000023	8A
9	13000025	Increase dedicated funding sources to provide maintenance of drainage and culvert systems (both structural and non-structural solutions) to divert flood flows and identify structural improvements causing flooding issues to remove/rectify.	Other	2053	Entire RFPG	Dedicated funding for 20% of the communities and 10% of the counties unaddressed	Measured against number of communities and counties w/ O&M funded	Funding	13000025, 13000026	9A/9B
9A	13000026	Increase dedicated funding sources, including state-funding opportunities to support operations and maintenance (O&M) for 20% of the communities and 30% counties in the Nueces Region.	Short Term (10 year)	2033	Entire RFPG	Dedicated funding for 80% of the communities and 70% of the counties unaddressed	Measured against number of communities and counties w/ O&M funded	Funding	13000025, 13000027	9B
9B	13000027	Develop dedicated funding sources, including state-funding opportunities, to support O&M for 80% of the communities and 90% counties in the Nueces Region.	Long Term (30 year)	2053	Entire RFPG	Dedicated funding for 20% of the communities and 10% of the counties unaddressed	Measured against number of communities and counties w/ O&M funded	Funding	13000025, 13000026	9A

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10	13000028	Identify funding , resources, and technical training for floodplain districts, managers, administrators or designees to enhance technical capacity for identifying floodplain projects, community outreach, and permitting support to verify new projects meet floodplain development requirements.	Other	2053	Entire RFPG	Dedicated funding for 20% of the communities and 10% of the counties unaddressed	Measured against number of communities and counties w/ dedicated funding for floodplain administrators and permit support	Funding	13000028, 13000029	10A/10B
10A	13000029	Identify dedicated funding sources, including state-funding opportunities for 20% of the communities and 30% counties in the Nueces Region. Develop a strategy for public engagement on flood-related issues, including a list of flood mitigation funding programs and potential opportunities for communities to participate in programs to support flood risk reduction (such as the Federal Emergency Management Agency's (FEMA) Community Rating System) to serve as a template for rural and underserved communities by 2030.	Short Term (10 year)	2033	Entire RFPG	Dedicated funding for 80% of the communities and 70% of the counties unaddressed	Measured against number of communities and counties w/ dedicated funding for floodplain administrators and permit support	Funding	13000028, 13000030	10B
10B	13000030	Develop dedicated funding sources, including state-funding opportunities for 80% of the communities and 90% counties in the Nueces Region.	Long Term (30 year)	2053	Entire RFPG	Dedicated funding for 20% of the communities and 10% of the counties unaddressed	Measured against number of communities and counties w/ dedicated funding for floodplain administrators and permit support	Funding	13000028, 13000029	10A