

Region 11: Guadalupe Regional Flood Planning Group Meeting

Tuesday, May 10, 2022 2:00pm

Agenda Item 1 Call to Order

1. Attendance

2. Individuals attending in-person, please sign-in

Agenda Item 2 Welcome

Agenda Item 3 Approval of Meeting Minutes

1. Approval of meeting minutes from March 30, 2022 Region 11 RFPG Meeting

Meeting Minutes Region 11 Guadalupe Regional Flood Planning Group Meeting March 30, 2022 at 2:00 PM Guadalupe-Blanco River Authority River Annex (905 Nolan Street, Seguin, TX 78155)

Roll Call:

Voting Member	Interest Category	<u>Present (x) /Absent () / Alternate</u> Present (*)	
Doug Miller Melissa Reynolds*	Agricultural	X	
John Johnston	Counties		
Lon Shell	Counties	X	
Bobby Christmas	Electric Generating Utilities	X	
Annalisa Peace Vanessa Puig-Williams*	Environmental	X	
Vacant	Flood districts		
Kevin Stone	Industries		
Joseph Pantalion John Espinoza**	Municipalities	X	
Ken Gill	Municipalities	X	
Dr. Kimberly Meitzen	Public	X	
R. Brian Perkins Charlie Hickman*	River Authorities	X	
Ray Buck Jonathan Letz*	River Authorities	X	
Gian Villarreal Tami Norton*	Small Business	X	
Ronald (Ron) Fieseler	Water Districts	X	
Steven Fonville	Water Utilities	X	

Non-voting Member	Agency	Present(x)/Absent()/ Alternate Present (*)
Sue Reilly Beth Bendik*	Texas Parks and Wildlife Department	
Jim Guin Natalie Johnson*	Texas Division of Emergency Management	
Jami McCool Kristin Lambrecht*	Texas Department of Agriculture	x
Allen Nash	Texas State Soil and Water Conservation Board	x
Kris Robles Teresa Williams*	General Land Office	x
Morgan White Ryke Moore*	Texas Water Development Board (TWDB)	x
Joel Klumpp	Texas Commission on Environmental Quality	
Don Durden	Public	X
Suzanne Scott	Region 12 Liaison	
Patrick Brzozowski	Region 10 Liaison	

Scott Hartl*	
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Quorum:

Quorum: **Yes** Number of voting members or alternates representing voting members present: **12** Number required for quorum per current voting positions of 15: **8**

Other Meeting Attendees:

Lauren Willis, GBRA (Facilitator) Ram Mendoza, GBRA (IT) Jay Scanlon, Freese & Nichols, Inc. Adam Conner, Freese & Nichols, Inc. Vanessa Escobar, Blanton & Associates Ben Eldridge, Cibolo Center for Conservation Tom Hegemier, Doucet Daniel Harris, Scheibe Consulting Lisa McCracken Mairs, USACE Troy Dorman, Halff Jennifer Urban, Dewitt County Drainage District Bill Barker, Great Springs Project Ray Don Tilley, WVWA/Tilley Interests John Wilson Karen Brennan

All meeting materials are available for the public at: <u>http://www.guadalupeRFPG.org</u>

AGENDA ITEM NO. 1: Call to Order

Chairman Doug Miller called the meeting to order at 2:02 PM.

AGENDA ITEM NO. 2: Welcome

Chairman Miller welcomed members to the meeting.

AGENDA ITEM NO. 3: Approval of Minutes from the February 9, 2022 Region 11 RFPG Meeting

Chairman Miller opened discussion on approving the minutes from the February 9, 2022 Region 11 RFPG Meeting.

A motion was made by Ron Fieseler to approve the February 9, 2022 Region 11 RFPG Meeting minutes. Bobby Christmas seconded the motion. The vote passed by a vote of 12 Ayes, 0 Nays.

AGENDA ITEM NO. 4: Presentation: Region 12 RFPG – Nature Based Solutions and Floodplain Management Toolbox, Dr. Troy Dorman, PhD, PE, CFM

Dr. Troy Dorman with Halff & Associates presented on Nature Based Solutions and Floodplain Management Toolbox for the San Antonio River Basin RFPG.

AGENDA ITEM NO. 5: Region 11 Guadalupe RFPG Chair Updates

Lauren Willis called roll of the planning group members to record attendance and a quorum was established. Chairman Miller provided updates from the Chairs conference call hosted by TWDB on March 2, 2022.

AGENDA ITEM NO. 6: Texas Water Development Board (TWDB) Updates

Morgan White reviewed the following items:

- Technical Memo #2 was considered administratively complete. TWDB are reviewing both Technical Memo #1 and #2 to provide more depth informal feedback by late Spring (April or May) to incorporate in the draft submission.
- The Contract Amendment No.1 has been executed between TWDB and GBRA. Amendment No. 1 will now need to be executed between GBRA and FNI.
- The draft regional flood plan is due this August to TWDB. The TWDB sent out a newsletter in March with future requirements for public comments to the draft plan.
- A media toolkit was put together to assist the regional flood planning groups
- Reviewed requirements for voting on FME, FMS, FMP (FMXs)

It was suggested by Brian Perkins that the TWDB post each regions Technical Memo's on their website.

AGENDA ITEM NO. 7: Guadalupe Region 11 RFPG Sponsor Guadalupe-Blanco River Authority (GBRA) Updates

Lauren Willis reviewed the following items:

- Draft Amendment No. 1 is being routed through FNI
- Technical Memo #2 was considered administratively complete on March 22, 2022
- Reviewed updates to the guadalupeRFPG.org website and social media. The Technical Memo's and Draft Chapters have been added to the website under the tab 'Documents for Public View'

AGENDA ITEM NO. 8: Update from Region 10 (Lower Colorado-Lavaca) and Region 12 (San Antonio) Liaisons

Ron Fieseler updated that Region 10 is on the same schedule as Region 11 and are having hybrid meetings. Annalisa updated that Region 12 had a meeting presentation from David Skuodas with the Mile High Flood District and recommended this to the group.

AGENDA ITEM NO. 9: Consider Executive Committee's recommendation, discussion and consider taking action to fill the Flood Districts interest category position.

Lauren Willis reviewed the two applications received from Doug Sethness and Ed Dobbs.

Doug Miller opened discussion of nominating Doug Sethness for the flood districts interest category. A motion was made by Brian Perkins to nominate Doug Sethness to fill the open position in the Flood Districts interest category group. Kimberly Meitzen seconded the motion. The vote passed by a vote of 12 Ayes, 0 Nays.

AGENDA ITEM NO. 10: Discussion and potential action regarding Region 11 RFPG Technical Consultants work and schedule.

Jay Scanlon overviewed the agenda and provided items that are being tracked by FNI within the region. Vanessa Escobar, Blanton & Associates updated the RFPG on public participation & outreach and reviewed the summary of data/information received to date by the technical consultants. It was mentioned that Ray Buck with UGRA submitted a letter to request an evaluation of water and sediment control facilities as a flood mitigation strategy, a copy of this letter will be provided in the meeting materials for next month. Daniel Harris, Scheibe Consulting provided a high-level overview of Chapter 1. A discussion occurred about the karst features map. Adam Conner, FNI reviewed Task 4 – Assessment and identification of Needs/FM actions, Task 7 – Flood Response Information and Activities and Task 9 – Flood Infrastructure Financing Analysis. Jay Scanlon, FNI reviewed Task 5 – Recommended Flood Mitigation Actions and the format that these will be presented to the RFPG in the future, Task 8 – Administrative, Regulatory, Legislative Recommendations and reviewed the Region 11 dashboard.

AGENDA ITEM NO.11: Consider date and agenda items for next meeting

A doodle poll will be sent out to the RFPG members to get a date in May on the calendar along with an additional meeting in June or July. The next meeting will be held in-person.

AGENDA ITEM NO. 12: Public General comments (Public comments limited to 3 minutes per speaker)

Doug Miller provided instructions for public comments. One public comment was received.

 Mr. Ben Eldredge with the Cibolo Center for Conservation spoke about the importance of natural infrastructure, the riparian areas acting as an effective sponge. He would like the RFPG members to consider the value of natural infrastructure with regards to future recommendations being made.

AGENDA ITEM NO. 13: Adjourn

Brian Perkins made a motion to adjourn. The motion was seconded by Bobby Christmas. The motion passed by unanimous consent.

The meeting adjourned at 4:29 PM by Doug Miller.

Approved by the Region 11 Guadalupe RFPG at a meeting held on May, XX, 2022.

Brian Perkins, SECRETARY

Doug Miller, CHAIR

Region 11 Guadalupe RFPG Chair Updates

Texas Water Development Board Updates

Guadalupe Region 11 RFPG Sponsor – GBRA Updates

Discussion and potential action regarding administrative expenses to be submitted to the Texas Water Development Board for reimbursement

Administrative Costs from Dec. 1, 2021 – Feb. 28, 2022

GBRA Salaries & Fringe	\$ 1,593.62
TOTAL	\$ 1,593.62

Approved Budget	Project Cost This Report	Cumulative Project Cost	Balance
\$37,866	\$1,593.62	\$9,540.53	\$28,325.47

Discussion and potential action regarding Region 11 RFPG Technical Consultants work and schedule.

A. Discussion and potential action approving Chapter 1 of the Guadalupe Regional Flood Plan

Guadalupe Regional Flood Planning Group (RFPG) - Public Comment Tracking Matrix For RFPG Public Meeting May 10, 2022

Comments received March 23, 2022 - May 2, 2022

Comments Received Via comments@guadaluperfpg.org or via lwillis@gbra.org

Date Comment Received	Name/Affiliation of Commenter	Comment/Question	Respondent and Response Date
4/1/22	Karen Brennan Private Citizen	 From: <u>kbrennan@hhep.com</u> Sent: Friday, April 1, 2022 2:38 PM To: <u>comments@guadaluperfpg.org</u> Comment: City of New Braunfels - Notice of Public Hearing 740 & 750 Rusk. SUP22- 073 requested rezoning from R2 to SUP to allow 440 plus RV park and event center on Guadalupe waterfront approximately 50% is floodway and 50% is 100 year flood zone. Please join us in opposition to this SUP. Public Hearing before Planning Commission Tuesday April 5, 2022 @ 6 pm. This development would be in district 5 Jason Hurta, phone - (830) 221-4659 then press option 4 Email - <u>jhurta@nbtexas.org</u> 	Respondent: Lauren Response Date: 4/1/2022
4/1/22 to 4/18/22	Voting Members, Non- Voting Members and Public	The following individuals provided written comments to Draft Chapter 1: Voting Members 4/17/22 Gian Villarreal – Seagull PME 4/15/22 Brian Perkins – Guadalupe-Blanco River Authority 4/14/22 Raymond Buck/ Tara Bushnoe – Upper Guadalupe River Authority 4/14/22 Joe Pantalion/John Espinoza – City of San Marcos 4/14/22 Steven Fonville – Martindale Water Supply Corporation Non-Voting Member 4/15 Sue Reilly – Texas Parks and Wildlife Department Public None	Respondent: FNI Response Dates: 4/1/22 to 4/18/22



Guadalupe Basin Natural Resources Center

125 Lehmann Drive Ste. 100

Kerrville, Texas 78028-5908

(830) 896-5445 Fax (830) 257-2621



Doug Miller, Chair Region 11 Guadalupe Regional Flood Planning Group 933 E. Court St. Seguin, TX 78155

Re: Request for evaluation of water and sediment control facilities as flood mitigation strategy

Dear Chairman Miller:

March 24, 2022

The Upper Guadalupe River Authority (UGRA) respectfully requests that the Region 11 Guadalupe Regional Flood Planning Group (GRFPG) consultant evaluate the cost effectiveness of water and sediment control facilities as a community-led action to mitigate flood risk. UGRA understands that the GRFPG has a unique opportunity during this first planning cycle to select studies it thinks have the most potential to reducing flood risk in the basin. These flood management evaluations (FME) would be further developed by the GRFPG's consultant under a soon to be executed contract amendment. An initial step is to ensure the concept of future water and sediment control facilities qualifies under Texas Water Development Board guidelines as an FME. To assist with evaluation, UGRA can provide the GRFPG consultant with summary of our experience with the installation of these facilities and our data collected to-date. The GRFPG will soon be considering which FMEs to further develop, and UGRA is requesting an evaluation of water and sediment to be included in that process.

UGRA's water and sediment control facilities consist of dams designed to safely pass a 100-year flood event and ponding areas to temporarily retain the captured runoff. These facilities are located on dry draws that are in the immediate watershed of the main tributaries to the Guadalupe River in western Kerr County. During rain events, they collect runoff from the watershed and slow down the initial flood pulse to prevent a surge of sediment and water from entering the tributary. This allows for not only the mitigation of flood flow, but since the ponding areas are not lined, they will slowly drain to enhance river flow over a longer period of time. By capturing the initial flood pulse, the facilities can also prevent erosion and reduce sedimentation of the river.

UGRA's first water and sediment control facility was completed in November 2012 on an unnamed tributary of the North Fork Guadalupe River. Since that time, UGRA has constructed eight additional structures throughout western Kerr County. Eight of the structures are equipped with rainfall and water level sensors that transmit data on 6-hour intervals with the option to increase the transmission frequency during rain events. In addition to water and sediment control facilities completed by UGRA, we would also like to acknowledge that several Kerr County private landowners have constructed similar structures as a land management strategy to control runoff and reduce sediment loads into Kerr County waterways.

UGRA believes our success with this flood mitigation strategy can potentially be applied basinwide. To that end, UGRA offers to share its data and experience and requests that this flood mitigation strategy be considered for further evaluation and possible inclusion in the GRFPG regional plan.

Sincerely,

Draine McMahon

Diane McMahon President

DM/rlb

cc: UGRA Board of Directors Jay Scanlon, GRFPG Project Manager Adam Conner, GRFPG Assistant Project Manager

			Region 11 RFPG Comment Matrix	
			Document: Draft Chapter 1 (August 2022)	
Page Number	Line Number	Reviewer Name	Reviewer Comment	Response
1&2	N/A	Perkins	Check page numbers in Tables & Figures. For example, this says Figure 1.19 is on page 25, but it's on page 29	Revised
3	73	Perkins	The first assessment that TWDB did: wasn't that a result of legislative action? If so, what session/bill number was it? And in what year did TWDB finalize the assessment?	"As the state grappled with how to better manage flood risk and decrease the loss of life and property from future disasters, the 85th Texas Legislature directed the Texas Water Development Board (TWDB) to develop the state's first flood assessment. After extensive stakeholder involvement, TWDB published in 2019 the State Flood Assessment, which described Texas' flood risks, provided"
3	82	Perkins	add in "to be" in front of 'led'	Revised
3	Starting on 84	Perkins	Suggested Edit: "A mandate required the TWDB to facilitate the creation of a-regional flood plan <u>ning groups</u> for each of the State's 15 major river basins to develop a regional flood plans by January 10, 2023."	Revised
3	Starting on 87	Perkins	Suggested Edit: "The overarching intent of the plans is to <u>document strategies and projects that</u> protect against the loss of life and property to : 1. Identify and reduce the risk and impact to life and property that already exists, and 2. Avoid increasing or creating new flood risks by addressing future development within the areas known to have existing or future flood risks future flood risks in order to protect against the loss of life and property."	Revised
4	124	Perkins	Replace "requirements" with "rules and guidance"	Revised
4	125 Figure	Perkins	At the very right, it should be "1st State Flood Plan due to Legislature"	Revised
5	144	Perkins	I don't think Lake Dunlap, Lake McQueeney, and Lake Gonzales are considered major impoundments. They do not provide any flood storage and are operated like a full bathtub, passing inflows most of the time. I would take them out.	Our criteria for major impoundment was 1000 acre-feet of storage or more. F64As stated, only some of the impoundments listed have flood storage. We also added Placid and Wood to this list since they are over 1000 AF of storage.
6	154	Perkins	GBRA has the authority to do flood control, but not a mandatory responsibility to do so. The word "responsibilities" is misleading regarding GBRA. I believe the same is for UGRA. Finally, I think there is only 1 drainage district.	Revised to say "authority" rather than responsibilities.
9	186	Perkins	Table 1.2 seems duplicative given we have Table 1.4	Removed table 1.2.
12	283	Perkins	Suggest better pics for Rural and Suburban. Rural looks like a city (Gonzales) and Suburban looks more rural.	Revised
14	Starting at 344	Perkins	Note: The blind salamander (T. rathbuni), which lives in the aquifer. Individual blind salamanders at the surface are fish bait as they are white and have no eyes. Sedimentation is more of an issue for the fountain darter, San Marcos salamander (E. nana), and Texas Wild Rice (Zizania texana). Nutrients could be an issue if it leads to excessive filamentous algae, which can smother wild rice and is likely not good for salamanders or fountain darters either	We revised the text to address sedimention. We removed reference to blind salamander. We opted not to include discussion on nutrient issues because this is likely more of an issue after flood events or drought type events when water is stagnent and alagal issues can develop.
14	364	Perkins	Include Kendall County and Caldwell County in this list (124% and 110%, respectively)	We added those two counties into the sentence.
16	388	Perkins	Why is there at Figure 1.9a and 1.9b? Why not continue the sequential numbering already established? Are these 2 figures tied together in some way?	Revised
17	389	Perkins	Move Table 1.6 closer to its reference in the text	Revised
19	413	Perkins	Ranching is found in the middle part of the basin as well, particularly Guadalupe, Gonzales, and DeWitt Counties. The Graham Cattle Company is a large operation in Gonzales County. The word "primarily" is misleading here, even though later you discuss Guadalupe, Gonzales, DeWitt, etc.	Revised the text to address comment.
29	728	Perkins	Table 1.9 needs a footnote. The Total line at the bottom is not a summation of the lines above it (nor should it be), but there needs to be some clarification of why it's not.	Added
36	861	Perkins	Some of the figures appear blurry. Figure 1.24 is a prime example.	Figures edited
37	882	Perkins	There are formatting issues. This is a good example where the sentence got chopped and then restarted on the next line.	Revised

41	993	Perkins	I'm confused how these counts are determined. For example, it states 6 lakes. If you include the GVHS, there's a least 8 (6 GVHS, Canyon, and Coleto). There's one up near the City of Blanco too. Springs Lake in San Marcos. The lake created by City of Gonzales hydropower. Lynn Lake. The Saltwater Barrier (maybe). This number could be higher. I guess I need to understand the definition/cut-off.	This count was inteded to include lakes with storage greater than 1000 ac-ft. Meadow Lake was added and count changed to 7. The other lakes mentioned have less than 1000 AF of storage. Lynn Lake is a natural ox bow lake and is not included in the contructed infrastructure. It is likely represented in the wetlands count.
53	1276	Perkins	Figure 1.30 - it seems as if the question "What are the top 3" should be in the figure title below the figure, right after "Survey Question: ". And where it says the question now, just say "Top Responses". The way it is now, it seems as if we can count.	Revised
53	1277	Perkins	Is there nothing more we can add here?	Added general explanation of ongoing structural and non-structural projects
54 & 55	N/A	Perkins	The URLs are clickable. I would indicate that by making them the standard blue with an underline.	Revised
General	N/A	Perkins	For readability: Pagination needs to be addressed. Overall try to limit empty/dead space. Try to keep figures and tables within the same page (or the following page) in which they are referenceed in the text. A few issues with the bar graphic in the footer either too close to text or over text (pg 27, 31, 35, 47, etc.). Consider using sub-chapter numbering, at least to the first level (1.1, 1.2, etc.).	Subchapter numbering was added and a table of contents was made
37	911	Steven Fonville	Variance requests, based on a contracted engineering report, will trigger an automatic 2D hydraulic modeling study review by the county floodplain administrator before any floodway/plain ordinance variance is approved.	Revised
41	1047	Steven Fonville	Encourage neighborhood community subdivisions located adjacent or along stream channels to consider requesting annexation from a local municipality in order to achieve zoning status of "residential" to provide some land use protections and to also request "park" or "greenway" zoning designation for protection if those areas exist within the community or subdivision.	Revised
47	1183	Steven Fonville	Request public water providers within the planning area to provide the locations via mapping of any public water distribution system equipment, water mains, incorporated into or located in close proximity to low water crossings. Improperly installed water mains or equipment in or near low water crossings damaged by flood events can isolate or sever public drinking water connections to outlying communities or subdivisions.	Noted. This is a good opportunity for collobaration between the Regional Flood Planning Groups and Regional Water Planning Groups that could be discussed in Chapter 6B.
General		UGRA	Consider adding a table for acronyms. Some inconsistency in how acronyms are defined. i.e. page 5 does not define HUC 8, but is defined on page 14. page 24, line 602 - definition of FIRMS missing.	Acronym table created.
General		UGRA	Excellent discussion on flood categories. Pages 23-25	Noted.
1-2		UGRA	Several Table and Figure references list the incorrect page e.g. Table 1.18 is on page 52 not 46; Figure 1.18 is on Page 26 not Page 23;	Revised
Page 4	143	UGRA	"Major surface water impoundments" is referenced and lists several impoundments. Notably absent are the 4 impoundments in Kerr County. Perhaps they don't rise to the level of "major," but together, they do offer some mitigation to downstream flooding. Consider adding impoundments upstream of Canyon Lake.	Add a sentence recognizing the flood storage provided by the 4 upper basin impoundaments.
Page 5	154	UGRA	UGRA is also legislatively authorized to prevent damage to persons and properties from flood waters. Please add to the text.	Revised
Page 12	333	UGRA	Excellent discussion on the environmental benefits of flooding. Might consider elaborating to include discussion on the benefits of recharging the alluvium which provides base flow to the river during low flow periods, the seasonal sediment and flow regimes that help maintain ecological biodiversity in the river and floodplain, and the necessary flushing of accumulated organic substances and vegetation in order to maintain and restore the ecological health of river.	Revised
Page 18	432	UGRA	Please add tourism and summer camps to the list of industries as they provide a strong economic base in the upper watershed in Kerr County.	Revised
Page 23	584	UGRA	Format comment: inconsistent use of "" when referring to floodplain "quilt" phrase.	Quotations removed
Page 25	664	UGRA	Legend in figure 1.17 is cut off.	Corrected
Page 26	672	UGRA	Figure 1.18 is missing label	Label added
Page 26	705	UGRA	The section title is "Key Historical Flood Events," yet only three lower basin flood events are listed with the rationale in Line 705 "Major recent events include" May want to consider all the major flood events by date to remain consistent with the title heading. Choosing 2010 seems very arbitrary.	Removed the first line
Page 29	745	UGRA	Consider adding a section for the August 1978 Hill Country Flood. Details can be found in "Flash Floods in Texas" by Jonathan Burnett, TAMU Press, 2008	Added entry on 1978 flood
Page 30	763	UGRA	Consider adding total number of inches of rain to be consistent with other flood descriptions	Added
Page 34	840	UGRA	Refer to Table 1.10. Why limit losses to the 1996-2021 timeframe? The devasting loss of life in Kerr County was in 1987 and is not reflected in this table. Consider revising to include the 1987 flood event.	The source data used for these loss totals is only available from 1996 to present.
Page 38	923	UGRA	Consider adding a section for education. UGRA has produced a YouTube flood video that is on our website and is presented to local entities. UGRA is also promoting through education, low impact development (LID) strategies and is currently working to produce a LID Best Management Practices guide to reduce stormwater for the City of Kerrville to use.	Education was added as a potential strategy in the "Action - Proposed/Ongoing Flood Mitigation" section as a non-structural strategy.
Page 40	993	UGRA	Refer to Table 1.12. Consider adding water and sediment control facilities to the table. To-date, UGRA has constructed 9 of these facilities in western Kerr County in the Guadalupe River watershed	These facilities are included in the ponds > 1 acre count. They are also mentioned in the "Action - Proposed/Ongoing Flood Mitigation" section.

Page 40	997	UGRA	Public awareness and education could be another non structural method.	This section has been updated to list several non-structural strategies being
Da == 42	1001			implemented throughout the basin including education.
Page 42	1064	UGRA	Johnson Creek might be significant, too.	Added.
Page 44	1140	UGRA	Consider adding the following to this sentence, "and dams constructed by UGRA based on the NRCS model for regional flood control structures."	Revised
Page 45	1165	UGRA	Table label should be 1.16 not 16.	Revised
Page 47	1176	UGRA	Are you sure that City of Kerrville is a regulated Phase II MS4? I didn't think they were. Also, I thought Kyle and Schertz were Phase II MS4s.	Added Kyle and Schertz to MS4 list. Kerrville was confirmed as not being a regulat MS4
Page 51	1257	UGRA	Possibly some of the agency acronyms listed here have not been previously defined.	Acronym table created.
Page 51	1263	UGRA	Consider adding the sentence, "UGRA has constructed nine water and sediment control facilities in western Kerr County in the Guadalupe River watershed.	Added.
4	Fig 1.1	Gian V	This timeline is very helpful; however, it's hard to follow the dates because other than 1 date, the years are not shown. Please add years to the timeline where appropriate.	Revised
17	389 / Table 1.6	Gian V	I believe that this table corresponds to the HUC-8 watersheds shown in Fig. 1.10; however, this is not stated, and the watersheds in Figure 1.10 are not labeled. It would be helpful if this is clarified.	Revised
23	544 / Figure 1.1	Gian V	Should the bottom range of household income be 125,001 and above? I assume that there are some households that make above 150,000.	Revised
25	667	Gian V	The report states that "The City of New Braunfels in Comal County contains the densest and largest number of structures in the entire region." I assume that this means the largest number of structures in the 1% ACE floodplain consistent with the other adjacent statements. Please clarify.	Revised
38	907	Gian V	 I assume that the X axis for Figure 1.25 shows the <u>percent</u> of municipalities that have adopted each of the standards. Please add a label for the X-axis to confirm. 	Corrected
38	907	Gian V	2) If this references percent of municipalities that have adopted the standards, it appears that less than 90% of municipalities have adopted a Floodplain Ordinance. However, above, it states that 94% of these have adopted one. Please check the numbers.	94% is the actual number whereas the almost 90% is what the survey respondent indicated as being knowledgeable about
38	907	Gian V	3) I recommend including a short description of the figure in the writeup.	Added a small blurb
40	999	Gian V		Hyperlink was added to "Flood Data Hub" in line 1000
33	836	J Espinoza	Does property losses include damages to public facilities/infrastructure?	Yes
50	1239	J Espinoza	Should Hays County be listed as having ongoing flood mitigation projects derived from the Hazard Mitigation Action Plan?	Yes, addtional counties were added to remove the confusion.
4	4 1083-1094	Sue Reilly, TPWD		The section on karst features was beefed up and made to be reflective of issues i importance within the Guadalupe basin.
4	1 Table 1.12	Sue Reilly, TPWD	It would be helpful to know what criteria define "parks, preserves, natural areas" in this table, I'm not sure where the number 10 came from. Is that just state parks? More information would be helpful.	Clarification added to section 3.1.3. and mentioned after table 1.12

Region 11 Guadalupe

Regional Flood Planning Group Meeting May 10, 2022 Item 8



Stakeholder and Public Outreach Update

Tasks 1-10 Update and Outlook

Task 3 – Floodplain Management Practices and Goals

Look Ahead

Stakeholder and Public Outreach Update

Guadalupe Regional Flood Planning Group (RFPG) - Public Comment Tracking Matrix For RFPG Public Meeting May 10, 2022 Comments received March 23, 2022 – May 2, 2022 Comments Received Via comments@guadaluperfpg.org or via willis@gbrs.org

Name/Affiliation of Comment/Question Date Respondent and Comment Commenter Response Date Received 4/1/22 Karen Brennan From: kbrennan@hhep.com Respondent: Lauren Private Citizen Sent: Friday, April 1, 2022 2:38 PM Response Date: 4/1/2022 To: comments@guadaluperfpg.org Comment: City of New Braunfels - Notice of Public Hearing 740 & 750 Rusk. SUP22-073 requested rezoning from R2 to SUP to allow 440 plus RV park and event center on Guadalupe waterfront approximately 50% is floodway and 50% is 100 year flood zone. Please join us in opposition to this SUP. Public Hearing before Planning Commission Tuesday April 5, 2022 @ 6 pm. This development would be in district 5 Jason Hurta, phone - (830) 221-4659 then press option 4 Email - ihurta@nbtexas.org 4/1/22 to Voting Members, Non-The following individuals provided written comments to Draft Chapter 1: Respondent: FNI 4/18/22 Voting Members and Response Dates: 4/1/22 to 4/18/22 Public Voting Members 4/17/22 Gian Villarreal – Seagull PME 4/15/22 Brian Perkins – Guadalupe-Blanco River Authority 4/14/22 Raymond Buck/ Tara Bushnoe – Upper Guadalupe River Authority 4/14/22 Joe Pantalion/John Espinoza – City of San Marcos 4/14/22 Steven Fonville – Martindale Water Supply Corporation Non-Voting Member 4/15 Sue Reilly – Texas Parks and Wildlife Department Public None

Page 1 of 1

Tasks 1-10 Update and Outlook

Task 1 – Planning Area Description

• Action Item in Agenda Item 9

Task 2 – Existing and Future Condition Flood Risk Analysis

- Draft Chapter 2 internal review underway
- Draft Chapter 2 will be provided for comments in May

Task 3 – Floodplain Management Practices and Flood Mitigation Goals

- Revisit goals today
- Draft Chapter 3 internal review underway
- Draft Chapter 3 will be provided for comments in May

Task 4A – Flood Mitigation Needs Analysis

- Preliminary analysis of "gaps" complete, awaiting geospatial data on FMXs
- Draft Chapter 4 will be provided for comments in June

Tasks 1-10 Update and Outlook

Task 4B & 5 – Evaluation and Recommendation of Studies, Strategies, and Projects

- Task 4B Screening approaching completion (more discussion later)
- Task 5 Evaluation executed in May, June*
- Draft Chapter 5 will be provided for comments in June

Task 6 – Impacts of Regional Flood Plan and Contributions to and Impacts on Water Supply

- To be initiated upon substantial completion of Task 5
- Draft Chapter 6 will be provided for comments in June

Task 7 – Flood Response Information and Activities

- Draft Chapter 7 internal review underway
- Draft Chapter 7 will be provided for comments in May

Tasks 1-10 Update and Outlook

Task 8 – Administrative, Regulatory and Legislative Recommendations

- Incorporating member feedback
- Draft Chapter 8 will be provided for comments in May

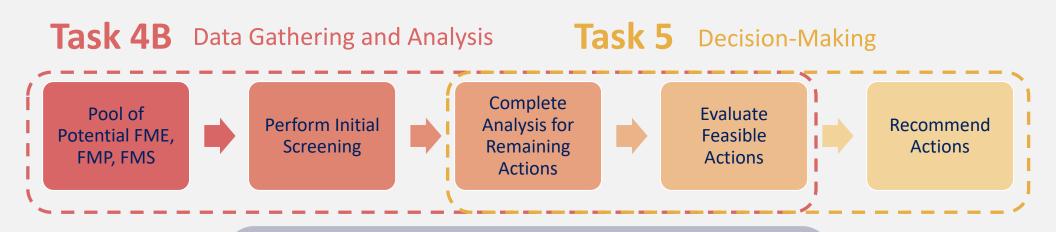
Task 9 – Flood Infrastructure Financing Analysis

- Compiling results from sponsor questionnaire
- Draft Chapter 9 will be provided for comments in June

Task 10 – Public Participation and Plan Adoption

- Summarization of public outreach activities
- Appendices with comments and responses to comments
- Draft Chapter 10 will be provided for comments in June/early July

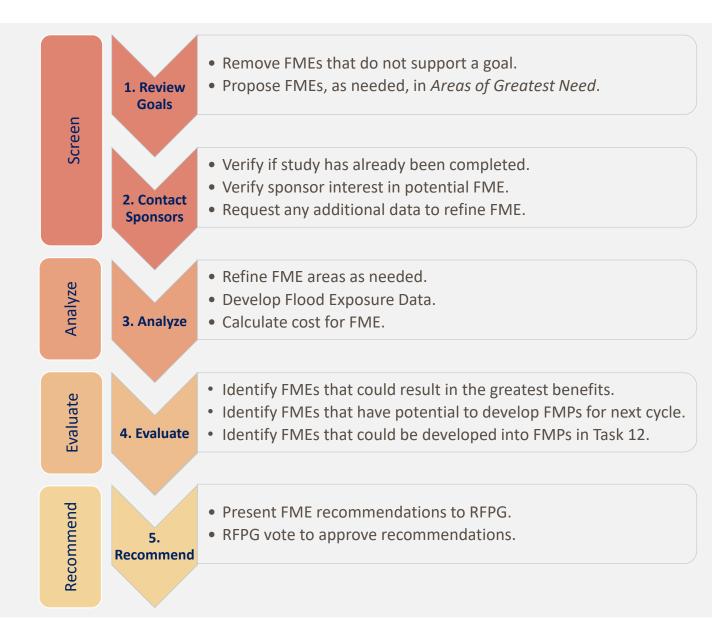
Task 4 – Assessment and Identification of Flood Mitigation Needs

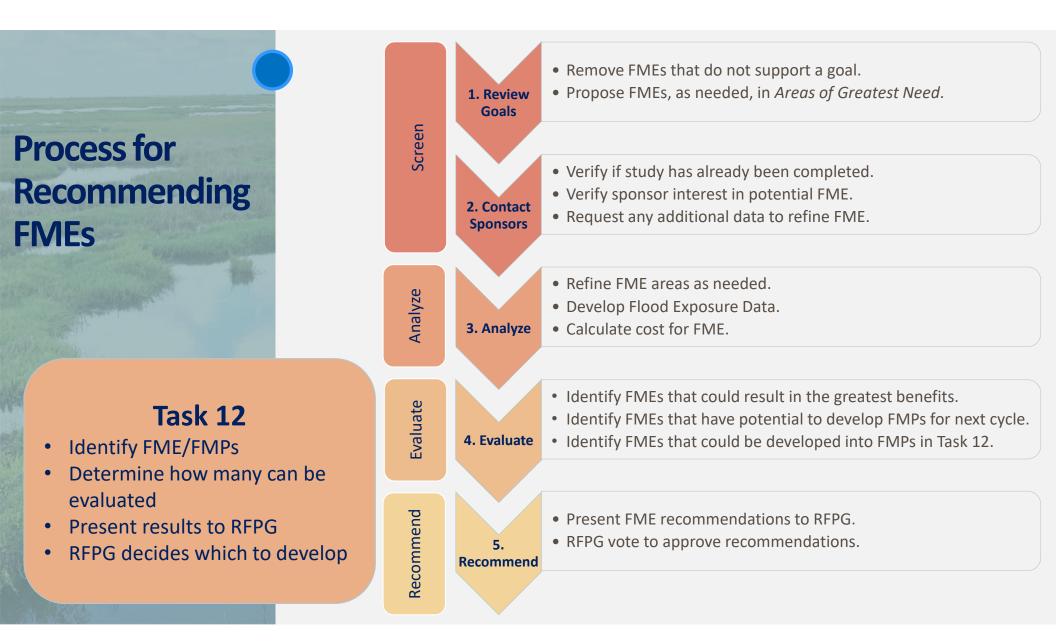


Final Recommendations Will:

- Align with TWDB requirements and regional goals
- Address Areas of Greatest Need (risk and/or knowledge gaps)
- Demonstrate potential for benefit
- Have sponsor support

Process for Recommending FMEs





Flood Mitigation Actions Approval

FMX Information for review

- Draft FME and FMS Tables and Summaries will be provided in batches (May, June, July)
- Final FME/FMS Tables and Summaries will be provided in July
- Final FMP Tables and Summaries will be provided in June, July
- Vote to approve in Groups
- Additional actions can still be added as part of amended plan

Flood Mitigation Actions Approval

udy Details											
udy type Watershed Planning											
	on concentual alternatives	nceptual alternatives and OPCC, and rank projects. Update existing drainage mater plan.									
aay assuption renorm noor modeling, are	op conceptual alternatives	and of ee, and rank projects.	opuace existin	ig urainage mate	pan.						
ew Hydrologic or Hydraulic model? Yes	Emergency Need?	No Existing	/Anticipated m	nodels in near te	rm? Yes						
County Potter, Randall	Watershed HUC# (if kr	nown) 110901050308, 1109	01050309, 110	0901050402, 111	201030101,						
Drainage area (Square miles, est.) 102	Goal(s) 01000	0001, 01000002, 01000005, 0	1000006								
100-Year Flood Risk Summary											
Appulation at risk 12,038	a - f - t - t		Californi Annolitika								
lood risk type: Riverine? Yes	Cox Strategy Details										
Farm/Ranch land impacted (acres) 213		Regulatory and Guidance Application to join NFIP or adopt equiva	ant standards								
Number of low water crossings 6	strategy weating that a	Application to join write or adopt equiva	em stanuarus								
	Associated FME's -		4	Associated FMP's -							
Estimated Cost and Funding Availability	Associated FMS's	- 110901050104, 110901020702		Dr	ainage area (mi², es	t.) 1					
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Task 3 – Floodplain Management Practices and Goals

Goal	Short-Term (10-year)	Long-Term (30-year)	Measurement
Improve safety beyond minimal signage at low water crossings through automatic flood warning/gates and/or flood level passed	50% (410 of 815?)	90% (720 of 815)	Number of low water crossings with safety improvements
Consider and incorporate nature-based practices (LID, green infrastructure, natural channel design) in Flood Mitigation Projects and Strategies	30%	50%	Number of FMPs and FMSs implementing nature- based practices
Increase NFIP participation/adoption of higher standards in communities in high growth Counties	30%	60%	# of entities participating in NFIP-(45/46); # of local governments entities with higher equivalent standards
Increase high growth local government community CRS participation (>10,000 by 2030)	50% (increase from 4 to 23)	75% (increase from 4 to 35)	Number of high growth local governments community participating in CRS

Task 3 – Floodplain Management Practices and Goals

Preliminary Goal	Short-Term (10-year)	Long-Term (30-year)	Measurement
Reduce number of vulnerable buildings/ structures/critical facilities within the 1% existing flood hazard layer	20% (5,400 of 27,069)	50% (13,530 of 27,069)	Number of structures removed from existing flood hazard layer
Increase percentage of communities with dedicated funding sources (clarify?) for O&M of storm drainage systems (add capital expenses?)	35% (16 of 46)	60% (27 of 46)	Number of entities with dedicated funding sources for stormwater operations and maintenance

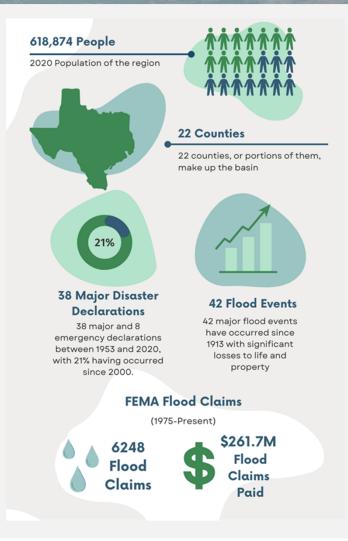
Look Ahead	Meeting	Milestone Goals
	June	Task 2 Draft; Task 3 Draft; Task 4 Draft; Task 5 FMXs; Task 6A/B Draft; Task 8 Draft; Task 10 Draft; Task 12 Discuss
	July (early)	Task 5 FMXs and Draft; Preliminary Draft Regional Plan Working/Draft
	July (late)	Draft Regional Flood Plan Approval; Task 12 Discuss
	August	August 1 Submittal; Posting 30-days; August 31 Public Meeting
	Thru January	 September 30 Close comments; October – FNI compile comments and responses; November 2 Discuss; December 7 – Approve to form; January 7 – Submit 2023 RFP
	16 - 1	

Region 11 Guadalupe

Regional Flood Planning Group Meeting May 10, 2022 Item 9

Chapter 1 Overview – Planning Area Description





Chapter 1

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& Year Complete Funding Sources				

- Submitted to GRFPG for comments
- Received 66 comments (4 voting members, 1 alternate, and 1 non-voting member)
- Incorporated all comments

Region 11 RFPG Comment Matrix						
Document: Draft Chapter 1 (August 2022)						
Page Number	Line Number	Reviewer Name	Reviewer Comment	Response		
18.2	N/A	Perkins	Check page numbers in Tables & Figures. For example, this says Figure 1.19 is on page 25, but it's on page 29	Revised		
з	78	Parkins	The first assessment that TWDB did: wasn't that a result of legislative action? If so, what session/bill number was b? And in what year did TWDB finalize the assessment?	As the state grappled with how to better manage flood risk and decrease the loss of if and popyry from future disaster, the 15th Texas Lagiburus directed the Texas Water Development Beard (TWDB) polytowide the state if the dod assumed. After assemble stateholder involvement, TWDB polytowide 1020 the State Blood Assument, which earbord Texas Tool of this, provided:		
з	82	Perkins	add in "to be" in front of 'led'	Revised		
3	Starting on 84	Perkins	Suggested Edit: "A mandate required the TWDB to facilitate the creation of e-regional flood plan <u>ning groups</u> for each of the State's 15 major river basins <u>to develop a regional flood plans</u> by January 10, 2023."	Revised		
3	Starting on 87	Perkins	Suggerand Set: "The overarching internet of the plans is to <u>document strategies and projects that</u> preven agained the less of the end program of the local of inspects to file and program that already updat, and 2. Joseff (howard) or counding new find all any addressing focus development within the areas known to have existing or fourier field risks.	Revised		
4	124	Perkins	Replace "requirements" with "rules and guidance"	Revised		
4	125 Figure	Perkins	At the very right, it should be "1st State Flood Plan due to Legislature"	Revised		
5	144	Perkins	I don't think Take Durlay, Take McQueeney, and Take Gonzales are considered major impoundments. They do not provide any flood storage and are operated like a full bathtub, passing inflows most of the time. I would take them out	Our criteria for major impoundment was 1000 acre-feat of storage or more. F64As stated, only some of the impoundments listed have flood storage. We also added Placid and Wood to this list since they are over 1000 AF of storage.		
6	154	Perkins	GBRA has the authority to do flood control, but not a mandatory responsibility to do so. The word "responsibilities" is misleading regarding GBRA. I believe the same is for UGRA. Finally, I think there is only 1 drainage district.	Revised to say "authority" rather than responsibilities.		
	196	Perkins	Table 1.2 seems duplicative given we have Table 1.4	Removed table 1.2.		
12	283	Perkins	Suggest better pics for Rural and Suburban. Rural looks like a city (Gonzales) and Suburban looks more rural.	Revised		
14	Starting at 344	Perkins	Note: The blind salamander (T, rathbun), which lives in the aquifer, individual blind salamanders at the surfaces are flab bait, as they are white and have no equit. Sedimentation is more of an issue for the fourtain earner, fam Marcos salamander (T, mang), are Tozos Will field (Zhant texas). Notifiest cold bar since if it has to excessive filamentous algae, which can amother wild rice and is likely not good for salamanders or fourtain dances alther	We revised the text to address sedimention. We removed reference to blind salamander. We opted not to include discussion on nutrient issues because this is likely more of an issue after flood events or drought type events when water is stagnent and alignal issues and evelop.		
14	364	Perkins	Include Kendall County and Caldwell County in this list (124% and 110%, respectively)	We added those two counties into the sentence.		
16	288	Perkins	Why is there at Figure 1.9a and 1.9b? Why not continue the sequential numbering already established? Are these 2 figures tied together in some way?	Revised		
17	389	Perkins	Move Table 1.6 closer to its reference in the text	Revised		
19	413	Perkins	Ranching is found in the middle part of the basin as well, particularly Guadalupe, Gonzales, and DeWitt Counties. The Graham Catels Company is a large operation in Gonzales County. The word "primarily" is mideading here, even though later your discuss Guadalupe, Gonzales, Colifica, etc.	Revised the text to address comment.		
29	728	Perkins	Table 1.9 needs a footnote. The Total line at the bottom is not a summation of the lines above it (nor should it be), but there needs to be some clarification of why it's not.	Added		
36	861	Perkins	Some of the figures appear blurry. Figure 1.24 is a prime example.	Figures edited		
37	892	Perkins	There are formatting issues. This is a good example where the sentence got chopped and then restarted on the next line.	Revised		

Consider date and agenda items for next meeting

Agenda Item 10 Public General Comments

Public Comments limited to 3 minutes per speaker

Adjourn