TCEQ Interoffice Memorandum

TO: Office of the Chief Clerk
Texas Commission on Environmental Quality

THRU: Chris Kozlowski, Team Leader
Water Rights Permitting Team

FROM: Lillian E. Beerman, Ph.D., Project Manager
Water Rights Permitting Team

DATE: December 16, 2020

SUBJECT: City of Houston
WRPERM 5827
CN600128995, RN104258256
Application No. 5827B to Amend Water Use Permit No. 5827
Texas Water Code § 11.122, Requiring Limited Mailed Notice
Brays Bayou, Buffalo Bayou, Greens Bayou, Hunting Bayou, Sims Bayou, and White Oak Bayou, San Jacinto River Basin
Harris, Brazoria, Chambers, Fort Bend, and Galveston counties

The application and partial fees were received on October 22, 2020 and October 29, 2020. Additional information and fees were received on November 6, 2020 and December 4, 2020. The application was declared administratively complete and accepted for filing with the Office of the Chief Clerk on December 16, 2020. Mailed notice to interjacent water right holders in the San Jacinto River Basin is required pursuant to Title 30 Texas Administrative Code § 295.158(c)(3)(D).

All fees have been paid and the application is sufficient for filing.

Lillian E. Beerman, Ph.D.

_____
Lillian E. Beerman, Ph.D., Project Manager
Water Rights Permitting Team
Water Rights Permitting and Availability Section

OCC Mailed Notice Required √ YES □NO

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

December 16, 2020

Michael Pinckney **VIA E-MAIL**
Carollo Engineers, Inc.
5316 Highway 290 West, Ste 330
Austin, TX 78735-8931

RE: City of Houston
WRPERM 5827
CN600128995, RN104258256
Application No. 5827B to Amend Water Use Permit No. 5827
Texas Water Code § 11.122, Requiring Limited Mailed Notice
Brays Bayou, Buffalo Bayou, Greens Bayou, Hunting Bayou, Sims Bayou, and White Oak Bayou, San Jacinto River Basin
Harris, Brazoria, Chambers, Fort Bend, and Galveston counties

Dear Mr. Pinckney:

This acknowledges receipt, on December 4, 2020, of additional fees in the amount of $29.40 (Receipt No. M106676, copy attached).

The application was declared administratively complete and filed with the Office of the Chief Clerk on December 16, 2020. Staff will continue processing the application for consideration by the Executive Director.

Please be advised that additional information may be requested during the technical review phase of the application process.

If you have any questions concerning this matter, please contact me via email at lillian.beerman@tceq.texas.gov or by telephone at (512) 239-4019.

Sincerely,

Lillian E. Beerman, Ph.D.

Lillian E. Beerman, Ph.D., Project Manager
Water Rights Permitting Team
Water Rights Permitting and Availability Section

Attachment

TCEQ 07-DEC-20 04:34 PM

TCEQ - A/R RECEIPT REPORT BY ACCOUNT NUMBER

Fee Description	Fee Code / Account# / Account Name	Ref#1 / Ref#2 / Paid In By	Check Number / Card Auth. / User Data	CC Type / Tran Code / Rec Code	Slip Key / Document#	Tran Date	Tran Amount
WTR USE PERMITS	WUP	M106676	1059037		BS00084317	07-DEC-20	-$29.40
	WUP	5827B	120720	N	D1801527		
	WATER USE PERMITS	CAROLLO	JARIVERA	CK			
				Total (Fee Code):			-$29.40
				Grand Total:			-$794.40

L. Beerman

RECEIVED
DEC 0 8 2020
Water Availability Division

TCEQ 07-DEC-20 04:34 PM

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Fee Description	Fee Code / Account# / Account Name	Ref#1 / Ref#2 / Paid In By	Check Number / Card Auth. / User Data	CC Type / Tran Code / Rec Code	Slip Key / Document#	Tran Date	Tran Amount
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	WATER USE PERMITS	CAROLLO	JARIVERA	CK			
				Total (Fee Code):			-$29.40
				Grand Total:			-$794.40

L. Beerman

RECEIVED
DEC 0 8 2020
Water Availability Division

TRANSMITTAL

WATER RIGHTS APPLICATION FEE

City of Houston

Date: ~~Nov. 30~~ Dec 1st, 2020
Subject: Water Rights Application
Project No.: 10603B
Copies To: n/a

Address:
TCEQ
Dr. Lillian Boerman, Project Manager
Water Rights Permitting Team
P.O. Box 13087
Austin, TX 78711

Reference:
City of Houston
WRPERM 5827
CN600128995, RN104258256
Application No. 5827A to amend Water Use Permit No. 5827 Texas Water Code § 11.122, Requiring Limited Mailed Notice Buffalo Bayou, San Jacinto River Basin Harris, Brazoria, Chambers, Fort Bend, and Galveston counties

The following items are:

☒ Requested	☐ Report	☐ Cost Estimate	☐ Calculation
☒ Enclosed	☐ Test Result	☒ Check Print	☐ Other
☐ Sent Separately	☐ Specification	☐ Progress Estimate	

Via: Hand Delivered by Loynda Jones, Administrative Assistant

No. of Copies	Description
1	Check for additional fees for Water Right Application 5827A

These data are submitted:

☒ At your request	☐ For your review	☐ For your files
☐ For your approval	☐ For your action	☐ For your information

Dr. Boerman, Per the RFI letter dated November 19, 2020, enclosed is the requested check in the amount of $29.40 for additional fees related to limited mailed notice of application 5827A.

CAROLLO ENGINEERS, INC.

J. Michael Pinckney, P.E.
Project Manager

RECEIVED
DEC 05 2020
Water Availability Division

Enclosures: TCEQ Check and letter dated Nov. 19, 2020

PAY TO THE ORDER
OF STATE COMPTROLLER
TCEQ

Water Availability Division
Water Rights Permitting and Availability Section
Ph: 512-239-4600, MC 160

$ 96676 DE-7 20

Please Return to: MC160
Recording and notice fees

* applicant incorrectly identified the Permit number. Fees are for 5827-B, not 5827-A

Application No.	5827 B
Date Check Received	12/04/2020
Check No.	1059037
Check Amount	$29.40
Payor's Name	Carollo
Payor's Address	2795 Mitchell Drive Walnutcreek, CA 94598
Payor's Phone No.	512-495-6405

TRANSMITTAL

WATER RIGHTS APPLICATION FEE

City of Houston

Date: ~~Nov. 30, 2020~~ Dec 1st

Subject: Water Rights Application

Project No.: 10603B

Copies To: n/a

Address:
TCEQ
Dr. Lillian Boerman, Project Manager
Water Rights Permitting Team
P.O. Box 13087
Austin, TX 78711

Reference:
City of Houston
WRPERM 5827
CN600128995, RN104258256
Application No. 5827A to amend Water Use Permit No. 5827 Texas Water Code § 11.122, Requiring Limited Mailed Notice Buffalo Bayou, San Jacinto River Basin Harris, Brazoria, Chambers, Fort Bend, and Galveston counties

The following items are:

☒ Requested	☐ Report	☐ Cost Estimate	☐ Calculation
☒ Enclosed	☐ Test Result	☒ Check Print	☐ Other
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Via: Hand Delivered by Loynda Jones, Administrative Assistant

No. of Copies	Description
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These data are submitted:

☒ At your request	☐ For your review	☐ For your files
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CAROLLO ENGINEERS, INC.

J. Michael Pinckney, P.E.
Project Manager

RECEIVED
DEC 05 2020
Water Availability Division

Enclosures: TCEQ Check and letter dated Nov. 19, 2020

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

November 19, 2020

Michael Pinckney
Carollo Engineers, Inc.
5316 W Highway 290, Ste 330
Austin, TX 78735-8931

VIA E-MAIL

RE: City of Houston
WRPERM 5827
CN600128995, RN104258256
Application No. 5827B to amend Water Use Permit No. 5827
Texas Water Code § 11.122, Requiring Limited Mailed Notice
Brays Bayou, Buffalo Bayou, Greens Bayou, Hunting Bayou, Sims Bayou, and White Oak Bayou, San Jacinto River Basin
Harris, Brazoria, Chambers, Fort Bend, and Galveston counties

Dear Mr. Pinckney:

This acknowledges receipt, on October 22, 2020, of the referenced application and partial fees in the amount of $112.50 (Receipt No. M102714, copy attached).

Before the application can be declared administratively complete, remit fees in the amount of **$29.40**, as described below. Please make the check payable to the TCEQ or Texas Commission on Environmental Quality.

Filing Fees	(Amendment)	$	100.00
Recording Fees	($1.25 x 10 pages)	$	12.50
Notice Fees	($2.94 x 10 WR Holders)	$	29.40
TOTAL FEES		$	141.90
FEES RECEIVED		$	112.50
TOTAL FEES DUE		**$**	**29.40**

Please submit the requested fees by December 21, 2020 or the application may be returned pursuant to Title 30 Texas Administrative Code § 281.18.

If you have any questions concerning this matter, please contact me via email at lillian.beerman@tceq.texas.gov or by telephone at (512) 239-4019.

Sincerely,

Lillian E. Beerman, Ph.D.

Lillian E. Beerman, Ph.D., Project Manager
Water Rights Permitting Team
Water Rights Permitting and Availability Section

Attachment

TCEQ 29-OCT-20 04:12 PM

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	WUP	5827	102920	N	D1800745		
	WATER USE PERMITS	CAROLLO	VHERNAND	CK			
				Total (Fee Code):			-$112.50
				Grand Total:			-$3,939.03

Reply all Delete Junk Block ···

City of Houston Application No. 5827B to Amend WRPERM No. 5827_Request for Information

LB

Lillian Beerman
Fri 11/20/2020 9:29 AM

To: [redacted]
Cc: Lillian Beerman

City_of_Houston_5827B_RFI_1...
704 KB

Mr. Pinckney,
Please review and respond to the attached Request for Information for City of Houston's Application No. 5827B to Amend Water Use Permit No. 5827.
Response is due no later than COB Monday, December 21, 2020.
If you have any questions or concerns, please do not hesitate to contact me.
Thank You,

Lillian E. Beerman, Ph.D.
Water Rights Permitting Team
Water Availability Division
512-239-4019
lillian.beerman@tceq.texas.gov

Reply | Reply all | Forward

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

November 19, 2020

Michael Pinckney **VIA E-MAIL**
Carollo Engineers, Inc.
5316 W Highway 290, Ste 330
Austin, TX 78735-8931

RE: City of Houston
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TOTAL FEES DUE		**$**	**29.40**

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If you have any questions concerning this matter, please contact me via email at lillian.beerman@tceq.texas.gov or by telephone at (512) 239-4019.

Sincerely,

Lillian E. Beerman, Ph.D.

Lillian E. Beerman, Ph.D., Project Manager
Water Rights Permitting Team
Water Rights Permitting and Availability Section

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	WUP	5827	102920	N	D1800745		
	WATER USE PERMITS	CAROLLO	VHERNAND	CK			
				Total (Fee Code):			-$112.50
				Grand Total:			-$3,939.03

Addendum Regarding the State and Regional Water Plans.

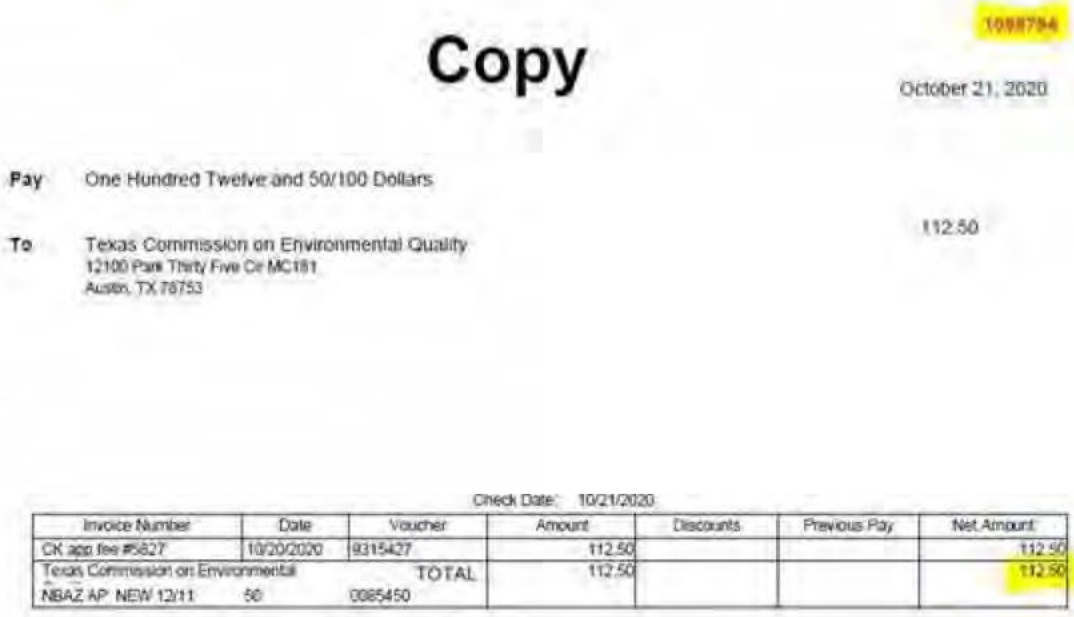
For inclusion with Amendment Application of Water Right 5827 submitted the week of October 22, 2020.

The applicant is located within the Region H Planning Group. This application is not inconsistent with the 2016 Regional Water Plan and the 2017 State Water Plan. Water Use Permit 5827 and the reuse of the City's return flows are strategies in the water plans, and adding diversion reaches allows the City to better use the water right. See 2016 Regional Water Plan at Section 3.6.7, 5.4.1, 5.5.4, and Appendix 5-B-REUS-002-1 to 5-B-REUS-002-16.

Nita Leifester

From: Michael Pinckney <[redacted]
Sent: Thursday, October 22, 2020 10:18 AM
To: Nita Leifester; Bailey Talley
Subject: RE: Water Right Application Submission

Thank you. I received some additional details regarding the check to help identify it when it arrives. The check number is actually #1058794



Copy

1058794

October 21, 2020

Pay One Hundred Twelve and 50/100 Dollars

112.50

To Texas Commission on Environmental Quality
12100 Park Thirty Five Cir MC161
Austin, TX 78753

Check Date: 10/21/2020

Invoice Number	Date	Voucher	Amount	Discounts	Previous Pay	Net Amount
CK app fee #5627	10/20/2020	9315427	112.50			112.50
Texas Commission on Environmental		TOTAL	112.50			112.50
NBAZ AP NEW 12/11	50	0085450				

Michael Pinckney, P.E.
Carollo Engineers, Inc.
512-427-8154

From: Nita Leifester [mailto:Nita.Leifester@tceq.texas.gov]
Sent: Thursday, October 22, 2020 9:41 AM
To: Michael Pinckney <[redacted]; Bailey Talley <Bailey.Talley@tceq.texas.gov>
Subject: RE: Water Right Application Submission

Mr. Pinckney,
I was able to download your application and we will get this entered into our system.
Thank you for including the shipping label for the check. I will email our mail room so they may watch for its arrival and send it our way once received.
We will be in touch should we need any further information from you.
Thank you,
Nita Leifester

From: Michael Pinckney <n[redacted]>
Sent: Thursday, October 22, 2020 8:57 AM
To: Bailey Talley <Bailey.Talley@tceq.texas.gov>; Nita Leifester <Nita.Leifester@tceq.texas.gov>
Subject: Water Right Application Submission

Good Morning. I just uploaded and shared with you a second water right amendment application for the City of Houston's Water Right 5827 in the San Jacinto River Basin. A hard copy of the application package is being printed today and mailed. A Check for the application fees in the sum of $112.50 (I think the Check number is #85450, and will be from Carollo Engineers, Inc.) has been mailed also. Unfortunately the check was mailed separately from the application documents and cover letter, I appreciate any advice you can offer with respect to that particular issue. Attached is the shipping label I had received for the check.

Michael Pinckney, PE
Lead Engineer
5316 Hwy. 290 West, Suite 330 |Austin, TX 78735
D 512-427-8154
carollo.com

Bickerstaff
Heath Delgado Acosta LLP

October 19, 2020

TCEQ Central Office (MC 160)
Water Rights Permitting and Availability Section
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

Re: City of Houston Second Application to Amend Water Use Permit No. 5827
(CN: 600128995)

Dear Sir:

The City of Houston (City) is pleased to submit its Second Application to Amend Water Use Permit No. 5827 (Application) to the Texas Commission on Environmental Quality (TCEQ) for review and consideration. The Application has been uploaded to the TCEQ's FTP site and an email of its filing has been provided to WRPT@tceq.texas.gov. One hard copy of the Application, along with a check for $112.50 is enclosed.

The purpose of the Application is to add diversion reaches on Brays, Greens, Hunting, Sims, and White Oak bayous. The City's Application does not contemplate an additional consumptive use of state water or an increased rate or period of diversion and the proposed amendment will not harm any other existing water right.

If you have any questions or concerns, please contact me at (512) 472-8021 or at [redacted], or Michael Pinckney or David Harkins at (512) 427-8154 or at [redacted] or [redacted].

Respectfully submitted,

Bickerstaff Heath Delgado Acosta LLP
3711 S. MoPac, Building One, Suite 300
[redacted]
[redacted] 472-8021
Fax: (512) 320-5638

By: Emily W. Rogers
Emily W. Rogers
State Bar No. 24002863

City of Houston Legal Department
Ronald C. Lewis, City Attorney
Gwendolyn Hill Webb, Sr. Asst. City Attorney
900 Bagby Street, 4th Floor
Houston, TX 77002
Phone: (832) 393-6486
Fax: (832) 393-6259

ATTORNEYS FOR CITY OF HOUSTON

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

TCEQ WATER RIGHTS PERMITTING APPLICATION

ADMINISTRATIVE INFORMATION CHECKLIST

Complete and submit this checklist for each application. See Instructions Page. 5.

APPLICANT(S): City of Houston

Indicate whether the following items are included in your application by writing either Y (for yes) or N (for no) next to each item (all items are <u>not</u> required for every application).

Y/N		Y/N	
Y	**Administrative Information Report**	Y	**Worksheet 3.0**
N	Additional Co-Applicant Information	Y	Additional W.S 3.0 for each Point
N	Additional Co-Applicant Signature Pages	N	Recorded Deeds for Diversion Points
Y	Written Evidence of Signature Authority	N	Consent For Diversion Access
Y	**Technical Information Report**	N	**Worksheet 4.0**
Y	USGS Map (or equivalent)	N	TPDES Permit(s)
Y	Map Showing Project Details	N	WWTP Discharge Data
Y	Original Photographs	N	24-hour Pump Test
N	Water Availability Analysis	N	Groundwater Well Permit
N	**Worksheet 1.0**	N	Signed Water Supply Contract
N	Recorded Deeds for Irrigated Land	N	**Worksheet 4.1**
N	Consent For Irrigation Land	Y	**Worksheet 5.0**
N	**Worksheet 1.1**	Y	Addendum to Worksheet 5.0
N	Addendum to Worksheet 1.1	N	**Worksheet 6.0**
N	**Worksheet 1.2**	N	Water Conservation Plan(s)
N	Addendum to Worksheet 1.2	N	Drought Contingency Plan(s)
N	**Worksheet 2.0**	N	Documentation of Adoption
N	Additional W.S 2.0 for Each Reservoir	N	**Worksheet 7.0**
N	Dam Safety Documents	N	Accounting Plan
N	Notice(s) to Governing Bodies	Y	**Worksheet 8.0**
N	Recorded Deeds for Inundated Land	Y	Fees
N	Consent For Inundation Land		

For Commission Use Only:
Proposed/Current Water Right Number: _____
Basin: _____ Watermaster area Y/N: _____

ADMINISTRATIVE INFORMATION REPORT

The following information **is required** for **all** new applications and amendments.

****Applicants are strongly encouraged to schedule a pre-application meeting with TCEQ Staff to discuss Applicant's needs prior to submitting an application. Call the Water Rights Permitting Team to schedule a meeting at* (512) 239-4691.

1. TYPE OF APPLICATION (Instructions, Page. 6)

Indicate, by marking X, next to the following authorizations you are seeking.

_____New Appropriation of State Water

X_____Amendment to a Water Right *

_____ Bed and Banks

If you are seeking an amendment to an existing water rights authorization, you must be the owner of record of the authorization. If the name of the Applicant in Section 2, does not match the name of the current owner(s) of record for the permit or certificate or if any of the co-owners is not included as an applicant in this amendment request, your application could be returned. If you or a co-applicant are a new owner, but ownership is not reflected in the records of the TCEQ, submit a change of ownership request (Form TCEQ-10204) prior to submitting the application for an amendment. See Instructions page. 6. Please note that an amendment application may be returned, and the Applicant may resubmit once the change of ownership is complete.

Please summarize the authorizations or amendments you are seeking in the space below or attach a narrative description entitled "Summary of Request."

Please see attached Summary of Request.

2. APPLICANT INFORMATION (Instructions, Page. 6)

a. Applicant

Indicate the number of Applicants/Co-Applicants 1
(Include a copy of this section for each Co-Applicant, if any)

What is the Full Legal Name of the individual or entity (applicant) applying for this permit?

City of Houston

(If the Applicant is an entity, the legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal documents forming the entity.)

If the applicant is currently a customer with the TCEQ, what is the Customer Number (CN)? You may search for your CN on the TCEQ website at http://www15.tceq.texas.gov/crpub/index.cfm?fuseaction=cust.CustSearch

CN : 600128995 (leave blank if you do not yet have a CN).

What is the name and title of the person or persons signing the application? Unless an application is signed by an individual applicant, the person or persons must submit written evidence that they meet the signatory requirements in *30 TAC § 295.14*.

First/Last Name:

Title:

Have you provided written evidence meeting the signatory requirements in 30 TAC § 295.14, as an attachment to this application?

What is the applicant's mailing address as recognized by the US Postal Service (USPS)? You may verify the address on the USPS website at https://tools.usps.com/go/ZipLookupAction!input.action.

Name:

Mailing Address:

City: State: ZIP Code:

Indicate an X next to the type of Applicant:

___Individual	___Sole Proprietorship-D.B.A.
___Partnership	___Corporation
___Trust	___Estate
___Federal Government	___State Government
___County Government	X City Government
___Other Government	___Other_____

For Corporations or Limited Partnerships, provide:
State Franchise Tax ID Number: _____SOS Charter (filing) Number: _____

3. APPLICATION CONTACT INFORMATION (Instructions, Page. 9)

If the TCEQ needs additional information during the review of the application, who should be contacted? Applicant may submit their own contact information if Applicant wishes to be the point of contact.

First and Last Name: Michael Pinckney

Title: Lead Engineer

Organization Name: Carollo Engineers, Inc.

Mailing Address: 5316 Highway 290 West S

City: Austin State: Texas ZIP Code: 78735

Phone No.: 512-427-8154 Extension:

Fax No.: E-mail Address: [redacted]

4. WATER RIGHT CONSOLIDATED CONTACT INFORMATION (Instructions, Page. 9)

This section applies only if there are multiple Owners of the same authorization. Unless otherwise requested, Co-Owners will each receive future correspondence from the Commission regarding this water right (after a permit has been issued), such as notices and water use reports. Multiple copies will be sent to the same address if Co-Owners share the same address. Complete this section if there will be multiple owners and **all** owners agree to let one owner receive correspondence from the Commission. Leave this section blank if you would like all future notices to be sent to the address of each of the applicants listed in section 2 above.

I/We authorize all future notices be received on my/our behalf at the following:

First and Last Name:

Title:

Organization Name:

Mailing Address:

City: State: ZIP Code:

Phone No.: Extension:

Fax No.: E-mail Address:

5. MISCELLANEOUS INFORMATION (Instructions, Page. 9)

a. The application will not be processed unless all delinquent fees and/or penalties owed to the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and Penalty Protocol by all applicants/co-applicants. If you need assistance determining whether you owe delinquent penalties or fees, please call the Water Rights Permitting Team at (512) 239-4691, prior to submitting your application.

1. Does Applicant or Co-Applicant owe any fees to the TCEQ? **Yes / No** No

   If **yes**, provide the following information:
   Account number: Amount past due:

2. Does Applicant or Co-Applicant owe any penalties to the TCEQ? **Yes / No** No

   If **yes**, please provide the following information:
   Enforcement order number: Amount past due:

b. If the Applicant is a taxable entity (corporation or limited partnership), the Applicant must be in good standing with the Comptroller or the right of the entity to transact business in the State may be forfeited. See Texas Tax Code, Subchapter F. Applicant's may check their status with the Comptroller at https://mycpa.cpa.state.tx.us/coa/

   Is the Applicant or Co-Applicant in good standing with the Comptroller? **Yes / No** Yes

c. The commission will not grant an application for a water right unless the applicant has submitted all Texas Water Development Board (TWDB) surveys of groundwater and surface water use – if required. See TWC §16.012(m) and 30 TAC § 297.41(a)(5).

Applicant has submitted all required TWDB surveys of groundwater and surface water? **Yes / No** Yes

6. SIGNATURE PAGE (Instructions, Page. 11)

Applicant:

I, Carol Haddock Director, Houston Public Works
(Typed or printed name) (Title)

certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I further certify that I am authorized under Title 30 Texas Administrative Code §295.14 to sign and submit this document and I have submitted written evidence of my signature authority.

Signature: Carol Haddock Date: 10/13/2020
(Use blue ink)

Subscribed and Sworn to before me by the said

on this 13th day of October, 2020.

My commission expires on the 9th day of March, 2023.

Ruth C. Bocanegra
Notary Public

RUTH C. BOCANEGRA
Notary Public, State of Texas
Comm. Expires 03-09-2023
Notary ID 12595109-5

[SEAL]

County, Texas

If the Application includes Co-Applicants, each Applicant and Co-Applicant must submit an original, separate signature page

Summary of Request

The City of Houston (City) is requesting the Texas Commission on Environmental Quality (TCEQ) to amend their water use permit no. 5827 to add diversion reaches on Brays, Greens, Hunting, Sims, and White Oak Bayous in lieu of the current return flow diversion points. Specifically, the City wishes to add the following diversion reaches to the five bayous:

- **Brays Bayou:** Three diversion reaches added between the upper-most wastewater treatment plant (WWTP) discharge location and extending downstream to Buffalo Bayou.
- **Greens Bayou:** Ten diversion reaches added between the upper-most WWTP discharge location and extending downstream to Galveston Bay.
- **Hunting Bayou:** One diversion reach added between the WWTP discharge location and Buffalo Bayou.
- **Sims Bayou:** Six diversion reaches added between the upper-most WWTP discharge location and extending downstream to Buffalo Bayou.
- **White Oak Bayou:** Three diversion reaches added between the upper-most WWTP discharge location and extending downstream to Buffalo Bayou.

Table 1 presents the requested diversion rate and volume of flow diverted, by bayou and diversion reach. The requested diversion rates are based on the permitted discharge volumes of the upstream WWTPs currently authorized in water use permit no. 5827 while a 5 percent channel loss is included in the maximum diversion volume. The maximum combined diversion rate and volume are calculated per bayou.

Table 1: Requested Return Flow Diversions by Reach.

Bayou/Reach	Diversion Rate (cfs)	Diversion Rate (gpm)	Maximum Diversion (ac-ft/yr)	Maximum Combined Diversion Rate (cfs)	Maximum Combined Diversion Rate (gpm)	Maximum Combined Diversion (ac-ft/yr)
Brays Bayou						
Reach #1	48.5	21,764	33,352	188	84,472	129,450
Reach #2	95.4	42,806	65,598			
Reach #3	188	84,472	129,450			
Greens Bayou						
Reach #1	3.09	1,389	2,128	61.3	27,533	42,194
Reach #2	5.42	2,431	3,725			
Reach #3	11.2	5,007	7,673			
Reach #4	17.3	7,785	11,930			
Reach #5	29.7	13,340	20,443			
Reach #6	30.8	13,826	21,188			
Reach #7	38.5	17,299	26,509			
Reach #8	39.3	17,638	27,029			
Reach #9	50.1	22,499	34,478			
Reach #10	61.3	27,533	42,194			
Hunting Bayou						
Reach #1	6.19	2,778	4,257	6.19	2,778	4,257
Sims Bayou						

Bayou/Reach	Diversion Rate (cfs)	Diversion Rate (gpm)	Maximum Diversion (ac-ft/yr)	Maximum Combined Diversion Rate (cfs)	Maximum Combined Diversion Rate (gpm)	Maximum Combined Diversion (ac-ft/yr)
Reach #1	10.9	4,896	7,503	158	70,694	108,336
Reach #2	41.9	18,785	28,787			
Reach #3	52.7	23,646	36,236			
Reach #4	63.1	28,333	43,420			
Reach #5	119	53,333	81,731			
Reach #6	158	70,694	108,336			
White Oak Bayou						
Reach #1	6.19	2,778	4,257	35.6	15,969	24,471
Reach #2	34.0	15,278	23,413			
Reach #3	35.6	15,969	24,471			

Signatory Authority

Agenda - Jan. 28, 2009 Item #

MOTION NO. 2009 0026

MOTION by Council Member Khan that the recommendation from the Director of the Department of Public Works and Engineering, relative to signing water rights applications on behalf of the City of Houston, be adopted, and in accordance with the State of Texas under 30TAC§295.14, the Director of the Department of Public Works and Engineering is hereby given signatory authority on behalf of the City of Houston and any successor organization of the City of Houston.

Seconded by Council Member Green and carried.

Mayor White, Council Members Lawrence, Johnson, Clutterbuck, Adams, Sullivan, Khan, Holm, Rodriguez, Brown, Lovell, Green and Jones voting aye
Nays none
Council Member Noriega absent

PASSED AND ADOPTED this 28th day of January, 2009.

Pursuant to Article VI, Section 6 of the City Charter, the effective date of the foregoing motion is February 3, 2009.

City Secretary

TECHNICAL INFORMATION REPORT
WATER RIGHTS PERMITTING

This Report is required for applications for new or amended water rights. Based on the Applicant's responses below, Applicants are directed to submit additional Worksheets (provided herein). A completed Administrative Information Report is also required for each application.

Applicants are strongly encouraged to schedule a pre-application meeting with TCEQ Permitting Staff to discuss Applicant's needs and to confirm information necessary for an application prior to submitting such application. Please call Water Availability Division at (512) 239-4691 to schedule a meeting. Applicant attended a pre-application meeting with TCEQ Staff for this Application? **Y / N** (If yes, date :_____).

1. New or Additional Appropriations of State Water. Texas Water Code (TWC) § 11.121 (Instructions, Page. 12)

State Water is: *The water of the ordinary flow, underflow, and tides of every flowing river, natural stream, and lake, and of every bay or arm of the Gulf of Mexico, and the storm water, floodwater, and rainwater of every river, natural stream, canyon, ravine, depression, and watershed in the state. TWC § 11.021.*

a. Applicant requests a new appropriation (diversion or impoundment) of State Water? **Y / N** No

b. Applicant requests an amendment to an existing water right requesting an increase in the appropriation of State Water or an increase of the overall or maximum combined diversion rate? **Y / N** No (If yes, indicate the Certificate or Permit number:_____)

If Applicant answered yes to (a) or (b) above, does Applicant also wish to be considered for a term permit pursuant to TWC § 11.1381? **Y / N**

c. Applicant requests to extend an existing Term authorization or to make the right permanent? **Y / N** Yes (If yes, indicate the Term Certificate or Permit number:_____)

If Applicant answered yes to (a), (b) or (c), the following worksheets and documents are required:

- **Worksheet 1.0 – Quantity, Purpose, and Place of Use Information Worksheet**
- **Worksheet 2.0 - Impoundment/Dam Information Worksheet** (submit one worksheet for each impoundment or reservoir requested in the application)
- **Worksheet 3.0 - Diversion Point Information Worksheet** (submit one worksheet for each diversion point and/or one worksheet for the upstream limit and one worksheet for the downstream limit of each diversion reach requested in the application)
- **Worksheet 5.0 – Environmental Information Worksheet**
- **Worksheet 6.0 – Water Conservation Information Worksheet**
- **Worksheet 7.0 – Accounting Plan Information Worksheet**
- **Worksheet 8.0 – Calculation of Fees**
- **Fees calculated on Worksheet 8.0 –** see instructions **Page. 34.**
- **Maps –** See instructions **Page. 15**.
- **Photographs** - See instructions **Page. 30**.

Additionally, if Applicant wishes to submit an alternate source of water for the project/authorization, see Section 3, Page 3 for Bed and Banks Authorizations (Alternate sources may include groundwater, imported water, contract water or other sources).

Additional Documents and Worksheets may be required (see within).

2. Amendments to Water Rights. TWC § 11.122 (Instructions, Page. 12)

This section should be completed if Applicant owns an existing water right and Applicant requests to amend the water right. ***If Applicant is not currently the Owner of Record in the TCEQ Records, Applicant must submit a Change of Ownership Application (TCEQ-10204) prior to submitting the amendment Application or provide consent from the current owner to make the requested amendment.*** **See instructions page. 6.**

Water Right (Certificate or Permit) number you are requesting to amend: 5827

Applicant requests to sever and combine existing water rights from one or more Permits or Certificates into another Permit or Certificate? **Y / N** N (if yes, complete chart below):

List of water rights to sever	Combine into this ONE water right

a. Applicant requests an amendment to an existing water right to increase the amount of the appropriation of State Water (diversion and/or impoundment)? **Y / N** N

If yes, application is a new appropriation for the increased amount, complete ***Section 1 of this Report (PAGE. 1) regarding New or Additional Appropriations of State Water.***

b. Applicant requests to amend existing Term authorization to extend the term or make the water right permanent (remove conditions restricting water right to a term of years)? **Y / N** N

If yes, application is a new appropriation for the entire amount, complete ***Section 1 of this Report (PAGE. 1) regarding New or Additional Appropriations of State Water.***

c. Applicant requests an amendment to change the purpose or place of use or to add an additional purpose or place of use to an existing Permit or Certificate? **Y / N** N
If yes, submit:

- **Worksheet 1.0 – Quantity, Purpose, and Place of Use Information Worksheet**
- **Worksheet 1.2 - Notice: "Marshall Criteria"**

d. Applicant requests to change: diversion point(s); or reach(es); or diversion rate? **Y / N** Y

If yes, submit: **Worksheet 3.0 - Diversion Point Information Worksheet** (submit one worksheet for each diversion point or one worksheet for the upstream limit and one worksheet for the downstream limit of each diversion reach)

e. Applicant requests amendment to add or modify an impoundment, reservoir, or dam? **Y / N** N

If yes, submit: **Worksheet 2.0 - Impoundment/Dam Information Worksheet** (submit one worksheet for each impoundment or reservoir)

f. Other - Applicant requests to change any provision of an authorization not mentioned above?**Y / N** N *If yes, call the Water Availability Division at (512) 239-4691 to discuss.*

Additionally, all amendments require:

- **Worksheet 8.0 – Calculation of Fees; and Fees calculated – see instructions Page.34**
- **Maps – See instructions Page. 15.**
- **Additional Documents and Worksheets may be required (see within).**

3. Bed and Banks. TWC § 11.042 (Instructions, Page 13)

a. Pursuant to contract, Applicant requests authorization to convey, stored or conserved water to the place of use or diversion point of purchaser(s) using the bed and banks of a watercourse? TWC § 11.042(a). **Y/N** N

If yes, submit a signed copy of the Water Supply Contract pursuant to 30 TAC §§ 295.101 and 297.101. Further, if the underlying Permit or Authorization upon which the Contract is based does not authorize Purchaser's requested Quantity, Purpose or Place of Use, or Purchaser's diversion point(s), then either:

1. *Purchaser must submit the worksheets required under Section 1 above with the Contract Water identified as an alternate source; or*
2. *Seller must amend its underlying water right under Section 2.*

b. Applicant requests to convey water imported into the state from a source located wholly outside the state using the bed and banks of a watercourse? TWC § 11.042(a-1). **Y / N** N

If yes, submit: worksheets 1.0, 2.0, 3.0, 4.0, 5.0, 7.0, 8.0, Maps and fees from the list below.

c. Applicant requests to convey Applicant's own return flows derived from privately owned groundwater using the bed and banks of a watercourse? TWC § 11.042(b). **Y / N** N

If yes, submit: worksheets 1.0, 2.0, 3.0, 4.0, 5.0, 7.0, 8.0, Maps, and fees from the list below.

d. Applicant requests to convey Applicant's own return flows derived from surface water using the bed and banks of a watercourse? TWC § 11.042(c). **Y / N** N

If yes, submit: worksheets 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, Maps, and fees from the list below.

Please note, if Applicant requests the reuse of return flows belonging to others, the Applicant will need to submit the worksheets and documents under Section 1 above, as the application will be treated as a new appropriation subject to termination upon direct or indirect reuse by the return flow discharger/owner.

e. Applicant requests to convey water from any other source, other than (a)-(d) above, using the bed and banks of a watercourse? TWC § 11.042(c). **Y / N** N

If yes, submit: worksheets 1.0, 2.0, 3.0, 4.0, 5.0, 7.0, 8.0, Maps, and fees from the list below.

Worksheets and information:

- **Worksheet 1.0 – Quantity, Purpose, and Place of Use Information Worksheet**
- **Worksheet 2.0 - Impoundment/Dam Information Worksheet** (submit one worksheet for each impoundment or reservoir owned by the applicant through which water will be conveyed or diverted)
- **Worksheet 3.0 - Diversion Point Information Worksheet** (submit one worksheet for the downstream limit of each diversion reach for the proposed conveyances)
- **Worksheet 4.0 – Discharge Information Worksheet** (for each discharge point)
- **Worksheet 5.0 – Environmental Information Worksheet**
- **Worksheet 6.0 – Water Conservation Information Worksheet**
- **Worksheet 7.0 – Accounting Plan Information Worksheet**
- **Worksheet 8.0 – Calculation of Fees; and Fees calculated – see instructions Page. 34**
- **Maps –** See instructions **Page. 15**.
- **Additional Documents and Worksheets may be required (see within).**

4. General Information, Response Required for all Water Right Applications (Instructions, Page 15)

a. Provide information describing how this application addresses a water supply need in a manner that is consistent with the state water plan or the applicable approved regional water plan for any area in which the proposed appropriation is located or, in the alternative, describe conditions that warrant a waiver of this requirement (*not required for applications to use groundwater-based return flows*). Include citations or page numbers for the State and Regional Water Plans, if applicable. Provide the information in the space below or submit a supplemental sheet entitled "Addendum Regarding the State and Regional Water Plans":

Please see attached Summary of Request.

b. Did the Applicant perform its own Water Availability Analysis? **Y / N** N

If the Applicant performed its own Water Availability Analysis, provide electronic copies of any modeling files and reports.

C. Does the application include required Maps? (Instructions **Page. 15**) **Y / N** Y

Not Applicable

WORKSHEET 1.0
Quantity, Purpose and Place of Use

1. New Authorizations (Instructions, Page. 16)

Submit the following information regarding quantity, purpose and place of use for requests for new or additional appropriations of State Water or Bed and Banks authorizations:

Quantity (acre-feet) (*Include losses for Bed and Banks*)	**State Water Source (River Basin) or Alternate Source** *each *alternate source* (*and new appropriation based on return flows of others*) *also requires completion of Worksheet 4.0*	**Purpose(s) of Use**	**Place(s) of Use** **requests to move state water out of basin also require completion of Worksheet 1.1 Interbasin Transfer*

_____Total amount of water (in acre-feet) to be used annually (*include losses for Bed and Banks applications*)

If the Purpose of Use is Agricultural/Irrigation for any amount of water, provide:

1. Location Information Regarding the Lands to be Irrigated
   i) Applicant proposes to irrigate a total of _____acres in any one year. This acreage is all of or part of a larger tract(s) which is described in a supplement attached to this application and contains a total of _____ acres in _____County, TX.
   ii) Location of land to be irrigated: In the _____Original Survey No. _____, Abstract No._____.
   A copy of the deed(s) or other acceptable instrument describing the overall tract(s) with the recording information from the county records must be submitted. Applicant's name must match deeds.
   If the Applicant is not currently the sole owner of the lands to be irrigated, Applicant must submit documentation evidencing consent or other documentation supporting Applicant's right to use the land described.

   Water Rights for Irrigation may be appurtenant to the land irrigated and convey with the land unless reserved in the conveyance. 30 TAC § 297.81.

2. Amendments - Purpose or Place of Use (Instructions, Page. 12)

a. Complete this section for each requested amendment changing, adding, or removing Purpose(s) or Place(s) of Use, complete the following:

Quantity (acre-feet)	Existing Purpose(s) of Use	Proposed Purpose(s) of Use*	Existing Place(s) of Use	Proposed Place(s) of Use**

**If the request is to add additional purpose(s) of use, include the existing and new purposes of use under "Proposed Purpose(s) of Use."*

***If the request is to add additional place(s) of use, include the existing and new places of use under "Proposed Place(s) of Use."*

Changes to the purpose of use in the Rio Grande Basin may require conversion. 30 TAC § 303.43.

b. For any request which adds Agricultural purpose of use or changes the place of use for Agricultural rights, provide the following location information regarding the lands to be irrigated:

i) Applicant proposes to irrigate a total of _____acres in any one year. This acreage is all of or part of a larger tract(s) which is described in a supplement attached to this application and contains a total of _____ acres in_____ County, TX.

ii) Location of land to be irrigated: In the _____Original Survey No. _____, Abstract No._____.

A copy of the deed(s) describing the overall tract(s) with the recording information from the county records must be submitted. Applicant's name must match deeds. If the Applicant is not currently the sole owner of the lands to be irrigated, Applicant must submit documentation evidencing consent or other legal right for Applicant to use the land described.

Water Rights for Irrigation may be appurtenant to the land irrigated and convey with the land unless reserved in the conveyance. 30 TAC § 297.81.

c. Submit Worksheet 1.1, Interbasin Transfers, for any request to change the place of use which moves State Water to another river basin.

d. See Worksheet 1.2, Marshall Criteria, and submit if required.

e. See Worksheet 6.0, Water Conservation/Drought Contingency, and submit if required.

WORKSHEET 1.1
INTERBASIN TRANSFERS, TWC § 11.085

Not Applicable

Submit this worksheet for an application for a new or amended water right which requests to transfer State Water from its river basin of origin to use in a different river basin. A river basin is defined and designated by the Texas Water Development Board by rule pursuant to TWC § 16.051.

Applicant requests to transfer State Water to another river basin within the State? **Y / N**

1. Interbasin Transfer Request (Instructions, Page. 20)

a. Provide the Basin of Origin._____

b. Provide the quantity of water to be transferred (acre-feet)._____

c. Provide the Basin(s) and count(y/ies) where use will occur in the space below:

_____

2. Exemptions (Instructions, Page. 20), TWC § 11.085(v)

Certain interbasin transfers are exempt from further requirements. Answer the following:

a. The proposed transfer, which in combination with any existing transfers, totals less than 3,000 acre-feet of water per annum from the same water right. **Y/N**

b. The proposed transfer is from a basin to an adjoining coastal basin? **Y/N**

c. The proposed transfer from the part of the geographic area of a county or municipality, or the part of the retail service area of a retail public utility as defined by Section 13.002, that is within the basin of origin for use in that part of the geographic area of the county or municipality, or that contiguous part of the retail service area of the utility, not within the basin of origin? **Y/N**

d. The proposed transfer is for water that is imported from a source located wholly outside the boundaries of Texas, except water that is imported from a source located in the United Mexican States? **Y/N**

3. Interbasin Transfer Requirements (Instructions, Page. 20)

For each Interbasin Transfer request that is not exempt under any of the exemptions listed above Section 2, provide the following information in a supplemental attachment titled "Addendum to Worksheet 1.1, Interbasin Transfer":

a. the contract price of the water to be transferred (if applicable) (also include a copy of the contract or adopted rate for contract water);

b. a statement of each general category of proposed use of the water to be transferred and a detailed description of the proposed uses and users under each category;

c. the cost of diverting, conveying, distributing, and supplying the water to, and treating the water for, the proposed users (example - expert plans and/or reports documents may be provided to show the cost);

d. describe the need for the water in the basin of origin and in the proposed receiving basin based on the period for which the water supply is requested, but not to exceed 50 years (the need can be identified in the most recently approved regional water plans. The state and regional water plans are available for download at this website: (http://www.twdb.texas.gov/waterplanning/swp/index.asp);

e. address the factors identified in the applicable most recently approved regional water plans which address the following:

(i) the availability of feasible and practicable alternative supplies in the receiving basin to the water proposed for transfer;

(ii) the amount and purposes of use in the receiving basin for which water is needed;

(iii) proposed methods and efforts by the receiving basin to avoid waste and implement water conservation and drought contingency measures;

(iv) proposed methods and efforts by the receiving basin to put the water proposed for transfer to beneficial use;

(v) the projected economic impact that is reasonably expected to occur in each basin as a result of the transfer; and

(vi) the projected impacts of the proposed transfer that are reasonably expected to occur on existing water rights, instream uses, water quality, aquatic and riparian habitat, and bays and estuaries that must be assessed under Sections 11.147, 11.150, and 11.152 in each basin *(if applicable*). If the water sought to be transferred is currently authorized to be used under an existing permit, certified filing, or certificate of adjudication, such impacts shall only be considered in relation to that portion of the permit, certified filing, or certificate of adjudication proposed for transfer and shall be based on historical uses of the permit, certified filing, or certificate of adjudication for which amendment is sought;

(f) proposed mitigation or compensation, if any, to the basin of origin by the applicant; and

(g) the continued need to use the water for the purposes authorized under the existing Permit, Certified Filing, or Certificate of Adjudication, if an amendment to an existing water right is sought.

WORKSHEET 1.2
Not Applicable

NOTICE. "THE MARSHALL CRITERIA"

This worksheet assists the Commission in determining notice required for certain **amendments** that do not already have a specific notice requirement in a rule for that type of amendment, and *that do not change the amount of water to be taken or the diversion rate*. The worksheet provides information that Applicant **is required** to submit for such amendments which include changes in use, changes in place of use, or other non-substantive changes in a water right (such as certain amendments to special conditions or changes to off-channel storage). These criteria address whether the proposed amendment will impact other water right holders or the on-stream environment beyond and irrespective of the fact that the water right can be used to its full authorized amount.

*This worksheet is **not required for Applications in the Rio Grande Basin** requesting changes in the purpose of use, rate of diversion, point of diversion, and place of use for water rights held in and transferred within and between the mainstems of the Lower Rio Grande, Middle Rio Grande, and Amistad Reservoir. See 30 TAC § 303.42.*

*This worksheet is **not required for amendments which are only changing or adding diversion points, or request only a bed and banks authorization or an IBT authorization**. However, Applicants may wish to submit the Marshall Criteria to ensure that the administrative record includes information supporting each of these criteria*

1. The "Marshall Criteria" (Instructions, Page. 21)

Submit responses on a supplemental attachment titled "Marshall Criteria" in a manner that conforms to the paragraphs (a) – (g) below:

a. Administrative Requirements and Fees. Confirm whether application meets the administrative requirements for an amendment to a water use permit pursuant to TWC Chapter 11 and Title 30 Texas Administrative Code (TAC) Chapters 281, 295, and 297. An amendment application should include, but is not limited to, a sworn application, maps, completed conservation plan, fees, etc.

b. Beneficial Use. Discuss how proposed amendment is a beneficial use of the water as defined in TWC § 11.002 and listed in TWC § 11.023. Identify the specific proposed use of the water (e.g., road construction, hydrostatic testing, etc.) for which the amendment is requested.

c. Public Welfare. Explain how proposed amendment is not detrimental to the public welfare. Consider any public welfare matters that might be relevant to a decision on the application. Examples could include concerns related to the well-being of humans and the environment.

d. Groundwater Effects. Discuss effects of proposed amendment on groundwater or groundwater recharge.

e. State Water Plan. Describe how proposed amendment addresses a water supply need in a manner that is consistent with the state water plan or the applicable approved regional water plan for any area in which the proposed appropriation is located or, in the alternative, describe conditions that warrant a waiver of this requirement. The state and regional water plans are available for download at: http://www.twdb.texas.gov/waterplanning/swp/index.asp.

f. Waste Avoidance. Provide evidence that reasonable diligence will be used to avoid waste and achieve water conservation as defined in TWC § 11.002. Examples of evidence could include, but are not limited to, a water conservation plan or, if required, a drought contingency plan, meeting the requirements of 30 TAC Chapter 288.

g. Impacts on Water Rights or On-stream Environment. Explain how proposed amendment will not impact other water right holders or the on-stream environment beyond and irrespective of the fact that the water right can be used to its full authorized amount.

WORKSHEET 2.0
Impoundment/Dam Information

Not Applicable

This worksheet **is required** for any impoundment, reservoir and/or dam. Submit an additional Worksheet 2.0 for each impoundment or reservoir requested in this application.

If there is more than one structure, the numbering/naming of structures should be consistent throughout the application and on any supplemental documents (e.g. maps).

1. Storage Information (Instructions, Page. 21)

a. Official USGS name of reservoir, if applicable:_____

b. Provide amount of water (in acre-feet) impounded by structure at normal maximum operating level: _____.

c. The impoundment is on-channel_____ or off-channel_____ (mark one)

1. Applicant has verified on-channel or off-channel determination by contacting Surface Water Availability Team at (512) 239-4691? **Y / N**

2. If on-channel, will the structure have the ability to pass all State Water inflows that Applicant does not have authorization to impound? **Y / N**

d. Is the impoundment structure already constructed? **Y / N**

i. For already constructed **on-channel** structures:

1. Date of Construction:_____

2. Was it constructed to be an exempt structure under TWC § 11.142? **Y / N**
   a. If Yes, is Applicant requesting to proceed under TWC § 11.143? **Y / N**
   b. If No, has the structure been issued a notice of violation by TCEQ? **Y / N**

3. Is it a U.S. Natural Resources Conservation Service (NRCS) (formerly Soil Conservation Service (SCS)) floodwater-retarding structure? **Y / N**
   a. If yes, provide the Site No. _____and watershed project name_____;
   b. Authorization to close "ports" in the service spillway requested? **Y / N**

ii. For **any** proposed new structures or modifications to structures:

1. Applicant **must** contact TCEQ Dam Safety Section at (512) 239-0326, *prior to submitting an Application.* Applicant has contacted the TCEQ Dam Safety Section regarding the submission requirements of 30 TAC, Ch. 299? **Y / N** Provide the date and the name of the Staff Person_____

2. As a result of Applicant's consultation with the TCEQ Dam Safety Section, TCEQ has confirmed that:
   a. No additional dam safety documents required with the Application. **Y / N**
   b. Plans (with engineer's seal) for the structure required. **Y / N**
   c. Engineer's signed and sealed hazard classification required. **Y / N**
   d. Engineer's statement that structure complies with 30 TAC, Ch. 299 Rules required. **Y / N**

3. Applicants **shall** give notice by certified mail to each member of the governing body of each county and municipality in which the reservoir, or any part of the reservoir to be constructed, will be located. (30 TAC § 295.42). Applicant must submit a copy of all the notices and certified mailing cards with this Application. Notices and cards are included? **Y / N**

iii. Additional information required for **on-channel** storage:

1. Surface area (in acres) of on-channel reservoir at normal maximum operating level:_____.

2. Based on the Application information provided, Staff will calculate the drainage area above the on-channel dam or reservoir. If Applicant wishes to also calculate the drainage area they may do so at their option.
Applicant has calculated the drainage area. **Y/N**
If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team prior to submitting the application, (512) 239-4691).*

2. Structure Location (Instructions, Page. 23)

a. On Watercourse (if on-channel) (USGS name):_____

b. Zip Code: _____

c. In the _____Original Survey No. _____, Abstract No._____, _____County, Texas.

* ***A copy of the deed(s) with the recording information from the county records must be submitted describing the tract(s) that include the structure and all lands to be inundated.***

*****If the Applicant is not currently the sole owner of the land on which the structure is or will be built and sole owner of all lands to be inundated, Applicant must submit documentation evidencing consent or other documentation supporting Applicant's right to use the land described.***

d. A point on the centerline of the dam (on-channel) or anywhere within the impoundment (off-channel) is:

Latitude _____°N, Longitude _____°W.

****Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places***

di. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program):_____

dii. Map submitted which clearly identifies the Impoundment, dam (where applicable), and the lands to be inundated. See instructions Page. 15. **Y / N**

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. X_____Upstream Limit of Diversion Reach No. Brays Bayou 1
3. _____Downstream Limit of Diversion Reach No.

b. Maximum Rate of Diversion for **this new point** 48.5_____ cfs (cubic feet per second) or 21,764_____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Brays Bayou

b. Zip Code: 77072

c. Location of point: In the D Hanson Original Survey No. 201, Abstract No. 381, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.705665 °N, Longitude 95.567322 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. _____Upstream Limit of Diversion Reach No.
3. X _____Downstream Limit of Diversion Reach No. Brays Bayou 1

b. Maximum Rate of Diversion for **this new point** 48.5 _____ cfs (cubic feet per second) or 21,764 _____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Brays Bayou

b. Zip Code: 77074

c. Location of point: In the HT&B RR Co Original Survey No. 201, Abstract No. 1012, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.673353 °N, Longitude 95.530046 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. X_____Upstream Limit of Diversion Reach No. Brays Bayou 2
3. _____Downstream Limit of Diversion Reach No.

b. Maximum Rate of Diversion for **this new point** 95.4_____ cfs (cubic feet per second) or 42,806_____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Brays Bayou

b. Zip Code: 77074

c. Location of point: In the HT&B RR Co Original Survey No. 201, Abstract No. 1012, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.673353 °N, Longitude 95.530046 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. _____Upstream Limit of Diversion Reach No.
3. X _____Downstream Limit of Diversion Reach No. Brays Bayou 2

b. Maximum Rate of Diversion for **this new point** 95.4 _____ cfs (cubic feet per second) or 42,806 _____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Brays Bayou

b. Zip Code: 77096

c. Location of point: In the P W Rose Original Survey No. 201, Abstract No. 645, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.687362 °N, Longitude 95.44712 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. X_____Upstream Limit of Diversion Reach No. Brays Bayou 3
3. _____Downstream Limit of Diversion Reach No.

b. Maximum Rate of Diversion for **this new point** 188.2 _____ cfs (cubic feet per second) or 84,472 _____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Brays Bayou

b. Zip Code: 77096

c. Location of point: In the P W Rose Original Survey No. 201, Abstract No. 645, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.687362 °N, Longitude 95.44712 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. _____Upstream Limit of Diversion Reach No.
3. X _____Downstream Limit of Diversion Reach No. Brays Bayou 3

b. Maximum Rate of Diversion for **this new point** 188.2 _____ cfs (cubic feet per second) or 84,472 _____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Brays Bayou

b. Zip Code: 77012

c. Location of point: In the J R Harris Original Survey No. 201, Abstract No. 27, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.726929 °N, Longitude 95.278374 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. X_____Upstream Limit of Diversion Reach No. Greens Bayou 1
3. _____Downstream Limit of Diversion Reach No.

b. Maximum Rate of Diversion for **this new point** 3.1_____ cfs (cubic feet per second) or 1,389_____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Greens Bayou

b. Zip Code: 77064

c. Location of point: In the W H York Original Survey No. 201, Abstract No. 943, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.95056 °N, Longitude 95.530155 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. _____Upstream Limit of Diversion Reach No.
3. X _____Downstream Limit of Diversion Reach No. Greens Bayou 1

b. Maximum Rate of Diversion for **this new point** 3.1 _____ cfs (cubic feet per second) or 1,389 _____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Greens Bayou

b. Zip Code: 77067

c. Location of point: In the WC RR Co Original Survey No. 201, Abstract No. 889, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.945387 °N, Longitude 95.435543 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. X_____Upstream Limit of Diversion Reach No. Greens Bayou 2
3. _____Downstream Limit of Diversion Reach No.

b. Maximum Rate of Diversion for **this new point** 5.4_____ cfs (cubic feet per second) or 2,431_____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Greens Bayou

b. Zip Code: 77067

c. Location of point: In the WC RR Co Original Survey No. 201, Abstract No. 889, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.945387 °N, Longitude 95.435543 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. _____Upstream Limit of Diversion Reach No.
3. X _____Downstream Limit of Diversion Reach No. Greens Bayou 2

b. Maximum Rate of Diversion for **this new point** 5.4 _____ cfs (cubic feet per second) or 2,431 _____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Greens Bayou

b. Zip Code: 77060

c. Location of point: In the M Sevey Original Survey No. 201, Abstract No. 699, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.94831 °N, Longitude 95.401137 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. X_____Upstream Limit of Diversion Reach No. Greens Bayou 3
3. _____Downstream Limit of Diversion Reach No.

b. Maximum Rate of Diversion for **this new point** 11 2_____ cfs (cubic feet per second) or 5,007_____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Greens Bayou

b. Zip Code: 77060

c. Location of point: In the M Sevey Original Survey No. 201, Abstract No. 699, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.94831 °N, Longitude 95.401137 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. _____Upstream Limit of Diversion Reach No.
3. X_____Downstream Limit of Diversion Reach No. Greens Bayou 3

b. Maximum Rate of Diversion for **this new point** 11.2 cfs (cubic feet per second) or 5,007 gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Greens Bayou

b. Zip Code: 77060

c. Location of point: In the M Sevey Original Survey No. 201, Abstract No. 699, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.945203 °N, Longitude 95.390248 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. X_____Upstream Limit of Diversion Reach No. Greens Bayou 4
3. _____Downstream Limit of Diversion Reach No.

b. Maximum Rate of Diversion for **this new point** 173_____ cfs (cubic feet per second) or 7,785_____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Greens Bayou

b. Zip Code: 77060

c. Location of point: In the M Sevey Original Survey No. 201, Abstract No. 699, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.945203 °N, Longitude 95.390248 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. _____Upstream Limit of Diversion Reach No.
3. X _____Downstream Limit of Diversion Reach No. Greens Bayou 4

b. Maximum Rate of Diversion for **this new point** 17 3 _____ cfs (cubic feet per second) or 7,785 _____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Greens Bayou

b. Zip Code: 77032

c. Location of point: In the M MC Auley Original Survey No. 201, Abstract No. 577, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.939868 °N, Longitude 95.34974 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. X_____Upstream Limit of Diversion Reach No. Greens Bayou 5
3. _____Downstream Limit of Diversion Reach No.

b. Maximum Rate of Diversion for **this new point** 29.7_____ cfs (cubic feet per second) or 13,340_____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Greens Bayou

b. Zip Code: 77032

c. Location of point: In the M MC Auley Original Survey No. 201, Abstract No. 577, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.939868 °N, Longitude 95.34974 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. _____Upstream Limit of Diversion Reach No.
3. X _____Downstream Limit of Diversion Reach No. Greens Bayou 5

b. Maximum Rate of Diversion for **this new point** 29.7 _____ cfs (cubic feet per second) or 13,340 _____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Greens Bayou

b. Zip Code: 77050

c. Location of point: In the S W Upshaw Original Survey No. 201, Abstract No. 818, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.914375 °N, Longitude 95.291469 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. X_____Upstream Limit of Diversion Reach No. Greens Bayou 6
3. _____Downstream Limit of Diversion Reach No.

b. Maximum Rate of Diversion for **this new point** 30.8_____ cfs (cubic feet per second) or 13,826_____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Greens Bayou

b. Zip Code: 77050

c. Location of point: In the S W Upshaw Original Survey No. 201, Abstract No. 818, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.914375 °N, Longitude 95.291469 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. _____Upstream Limit of Diversion Reach No.
3. X _____Downstream Limit of Diversion Reach No. Greens Bayou 6

b. Maximum Rate of Diversion for **this new point** 30.8 _____ cfs (cubic feet per second) or 13,826 _____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Greens Bayou

b. Zip Code: 77050

c. Location of point: In the A Smith Original Survey No. 201, Abstract No. 694, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.916016 °N, Longitude 95.277530 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. X _____Upstream Limit of Diversion Reach No. Greens Bayou 7
3. _____Downstream Limit of Diversion Reach No.

b. Maximum Rate of Diversion for **this new point** 38.5 _____ cfs (cubic feet per second) or 17,299 _____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Greens Bayou

b. Zip Code: 77050

c. Location of point: In the A Smith Original Survey No. 201, Abstract No. 694, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.916016 °N, Longitude 95.277530 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. _____Upstream Limit of Diversion Reach No.
3. X_____Downstream Limit of Diversion Reach No. Greens Bayou 7

b. Maximum Rate of Diversion for **this new point** 38.5 cfs (cubic feet per second) or 17,299 gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Greens Bayou

b. Zip Code: 77078

c. Location of point: In the A J Holder Original Survey No. 201, Abstract No. 322, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.848467 °N, Longitude 95.228474 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. X_____Upstream Limit of Diversion Reach No. Greens Bayou 8
3. _____Downstream Limit of Diversion Reach No.

b. Maximum Rate of Diversion for **this new point** 39.3_____ cfs (cubic feet per second) or 17,638_____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Greens Bayou

b. Zip Code: 77078

c. Location of point: In the A J Holder Original Survey No. 201, Abstract No. 322, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.848467 °N, Longitude 95.228474 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. _____Upstream Limit of Diversion Reach No.
3. X _____Downstream Limit of Diversion Reach No. Greens Bayou 8

b. Maximum Rate of Diversion for **this new point** 39 3 _____ cfs (cubic feet per second) or 17,638 _____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Greens Bayou

b. Zip Code: 77078

c. Location of point: In the W Hedge Original Survey No. 201, Abstract No. 335, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.837940 °N, Longitude 95.234137 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. X_____Upstream Limit of Diversion Reach No. Greens Bayou 9
3. _____Downstream Limit of Diversion Reach No.

b. Maximum Rate of Diversion for **this new point** 50.1_____ cfs (cubic feet per second) or 22,499_____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Greens Bayou

b. Zip Code: 77078

c. Location of point: In the W Hedge Original Survey No. 201, Abstract No. 335, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.837940 °N, Longitude 95.234137 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. _____Upstream Limit of Diversion Reach No.
3. X _____Downstream Limit of Diversion Reach No. Greens Bayou 9

b. Maximum Rate of Diversion for **this new point** 50.1 _____ cfs (cubic feet per second) or 22,499 _____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Greens Bayou

b. Zip Code: 77013

c. Location of point: In the W P Harris/R Wilson Original Survey No. 201, Abstract No. 32, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.781663 °N, Longitude 95.213298 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. X_____Upstream Limit of Diversion Reach No. Greens Bayou 10
3. _____Downstream Limit of Diversion Reach No.

b. Maximum Rate of Diversion for **this new point** 64.4_____ cfs (cubic feet per second) or 28,922_____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Greens Bayou

b. Zip Code: 77013

c. Location of point: In the W P Harris/R Wilson Original Survey No. 201, Abstract No. 32, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.781663 °N, Longitude 95.213298 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. _____Upstream Limit of Diversion Reach No.
3. X _____Downstream Limit of Diversion Reach No. Greens Bayou 10

b. Maximum Rate of Diversion for **this new point** 64.4 _____ cfs (cubic feet per second) or 28,922 _____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Greens Bayou

b. Zip Code: 77015

c. Location of point: In the W Vince Original Survey No. 201, Abstract No. 79, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.750005 °N, Longitude 95.166909 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. X_____Upstream Limit of Diversion Reach No. Hunting Bayou 1
3. _____Downstream Limit of Diversion Reach No.

b. Maximum Rate of Diversion for **this new point** 62_____ cfs (cubic feet per second) or 2,778_____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Hunting Bayou

b. Zip Code: 77028

c. Location of point: In the W P Harris/R Wilson Original Survey No. 201, Abstract No. 31, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.806304 °N, Longitude 95.294696 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. _____Upstream Limit of Diversion Reach No.
3. X_____Downstream Limit of Diversion Reach No. Hunting Bayou 1

b. Maximum Rate of Diversion for **this new point** 62_____ cfs (cubic feet per second) or 2,778_____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Hunting Bayou

b. Zip Code: 77015

c. Location of point: In the W P Harris/R Wilson Original Survey No. 201, Abstract No. 32, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.737557 °N, Longitude 95.212222 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. X_____Upstream Limit of Diversion Reach No. Sims Bayou 1
3. _____Downstream Limit of Diversion Reach No.

b. Maximum Rate of Diversion for **this new point** 109_____ cfs (cubic feet per second) or 4,896_____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Sims Bayou

b. Zip Code: 77085

c. Location of point: In the TT RR CO Original Survey No. 201, Abstract No. 1023, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.604109 °N, Longitude 95.476793 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. _____Upstream Limit of Diversion Reach No.
3. X_____Downstream Limit of Diversion Reach No. Sims Bayou 1

b. Maximum Rate of Diversion for **this new point** 109_____ cfs (cubic feet per second) or 4,896_____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Sims Bayou

b. Zip Code: 77045

c. Location of point: In the D White Original Survey No. 201, Abstract No. 877, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.628948 °N, Longitude 95.404922 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. X_____Upstream Limit of Diversion Reach No. Sims Bayou 2
3. _____Downstream Limit of Diversion Reach No.

b. Maximum Rate of Diversion for **this new point** 41.9_____ cfs (cubic feet per second) or 18,785_____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Sims Bayou

b. Zip Code: 77045

c. Location of point: In the D White Original Survey No. 201, Abstract No. 877, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.628948 °N, Longitude 95.404922 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. _____Upstream Limit of Diversion Reach No.
3. X_____Downstream Limit of Diversion Reach No. Sims Bayou 2

b. Maximum Rate of Diversion for **this new point** 41 9_____ cfs (cubic feet per second) or 18,785_____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Sims Bayou

b. Zip Code: 77048

c. Location of point: In the HRS A G Holland Original Survey No. 201, Abstract No. 347, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.644279 °N, Longitude 95.337742 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. X_____Upstream Limit of Diversion Reach No. Sims Bayou 3
3. _____Downstream Limit of Diversion Reach No.

b. Maximum Rate of Diversion for **this new point** 58 9_____ cfs (cubic feet per second) or 26,424_____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Sims Bayou

b. Zip Code: 77048

c. Location of point: In the HRS A G Holland Original Survey No. 201, Abstract No. 347, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.644279 °N, Longitude 95.337742 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. _____Upstream Limit of Diversion Reach No.
3. X_____Downstream Limit of Diversion Reach No. Sims Bayou 3

b. Maximum Rate of Diversion for **this new point** 58 9_____ cfs (cubic feet per second) or 26,424_____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Sims Bayou

b. Zip Code: 77017

c. Location of point: In the M A Callihan/A Vince Original Survey No. 201, Abstract No. 9, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.691627 °N, Longitude 95.256988 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. X_____Upstream Limit of Diversion Reach No. Sims Bayou 4
3. _____Downstream Limit of Diversion Reach No.

b. Maximum Rate of Diversion for **this new point** 63.1_____ cfs (cubic feet per second) or 28,333_____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Sims Bayou

b. Zip Code: 77017

c. Location of point: In the M A Callihan/A Vince Original Survey No. 201, Abstract No. 9, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.691627 °N, Longitude 95.256988 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. _____Upstream Limit of Diversion Reach No.
3. X _____Downstream Limit of Diversion Reach No. Sims Bayou 4

b. Maximum Rate of Diversion for **this new point** 63.1 _____ cfs (cubic feet per second) or 28,333 _____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Sims Bayou

b. Zip Code: 77017

c. Location of point: In the M A Callihan/A Vince Original Survey No. 201, Abstract No. 9, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.702787 °N, Longitude 95.265699 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. X_____Upstream Limit of Diversion Reach No. Sims Bayou 5
3. _____Downstream Limit of Diversion Reach No.

b. Maximum Rate of Diversion for **this new point** 119_____ cfs (cubic feet per second) or 53,333_____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Sims Bayou

b. Zip Code: 77017

c. Location of point: In the M A Callihan/A Vince Original Survey No. 201, Abstract No. 9, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.702787 °N, Longitude 95.265699 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. _____Upstream Limit of Diversion Reach No.
3. X_____Downstream Limit of Diversion Reach No. Sims Bayou 5

b. Maximum Rate of Diversion for **this new point** 119_____ cfs (cubic feet per second) or 53,333_____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Sims Bayou

b. Zip Code: 77017

c. Location of point: In the M A Callihan/A Vince Original Survey No. 201, Abstract No. 9, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.708652 °N, Longitude 95.256605 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. X_____Upstream Limit of Diversion Reach No. Sims Bayou 6
3. _____Downstream Limit of Diversion Reach No.

b. Maximum Rate of Diversion for **this new point** 199.3 _____ cfs (cubic feet per second) or 89,441 _____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Sims Bayou

b. Zip Code: 77017

c. Location of point: In the M A Callihan/A Vince Original Survey No. 201, Abstract No. 9, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.708652 °N, Longitude 95.256605 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. _____Upstream Limit of Diversion Reach No.
3. X _____Downstream Limit of Diversion Reach No. Sims Bayou 6

b. Maximum Rate of Diversion for **this new point** 199 3 _____ cfs (cubic feet per second) or 89,441 _____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Sims Bayou

b. Zip Code: 77017

c. Location of point: In the M A Callihan/A Vince Original Survey No. 201, Abstract No. 9, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.71778 °N, Longitude 95.241957 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. X_____Upstream Limit of Diversion Reach No. White Oak Bayou 1
3. _____Downstream Limit of Diversion Reach No.

b. Maximum Rate of Diversion for **this new point** 6.19_____ cfs (cubic feet per second) or 2,778_____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): White Oak Bayou

b. Zip Code: 77040

c. Location of point: In the S Lewis Original Survey No. 201, Abstract No. 510, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.876578 °N, Longitude 95.496077 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. _____Upstream Limit of Diversion Reach No.
3. X_____Downstream Limit of Diversion Reach No. White Oak Bayou 1

b. Maximum Rate of Diversion for **this new point** 6.19_____ cfs (cubic feet per second) or 2,778_____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): White Oak Bayou

b. Zip Code: 77091

c. Location of point: In the S MC Clelland Original Survey No. 201, Abstract No. 544, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.844779 °N, Longitude 95.460177 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. X_____Upstream Limit of Diversion Reach No. White Oak Bayou 2
3. _____Downstream Limit of Diversion Reach No.

b. Maximum Rate of Diversion for **this new point** 34.0 cfs (cubic feet per second) or 15,278 gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): White Oak Bayou

b. Zip Code: 77091

c. Location of point: In the S MC Clelland Original Survey No. 201, Abstract No. 544, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.844779 °N, Longitude 95.460177 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. _____Upstream Limit of Diversion Reach No.
3. X _____Downstream Limit of Diversion Reach No. White Oak Bayou 2

b. Maximum Rate of Diversion for **this new point** 34.0 _____ cfs (cubic feet per second) or 15,278 _____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): White Oak Bayou

b. Zip Code: 77018

c. Location of point: In the D Henson Original Survey No. 201, Abstract No. 328, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.824956 °N, Longitude 95.456004 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. X_____Upstream Limit of Diversion Reach No. White Oak Bayou 3
3. _____Downstream Limit of Diversion Reach No.

b. Maximum Rate of Diversion for **this new point** 35.6_____ cfs (cubic feet per second) or 15,969_____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): White Oak Bayou

b. Zip Code: 77018

c. Location of point: In the D Henson Original Survey No. 201, Abstract No. 328, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.824956 °N, Longitude 95.456004 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. _____Diversion Point No.
2. _____Upstream Limit of Diversion Reach No.
3. X _____Downstream Limit of Diversion Reach No. White Oak Bayou 3

b. Maximum Rate of Diversion for **this new point** 35.6 _____ cfs (cubic feet per second) or 15,969 _____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N** N
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N** N

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
X	Directly from stream	Proposed
	From an on-channel reservoir	
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N** N

If yes, the drainage area is_____ sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4691, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): White Oak Bayou

b. Zip Code: 77002

c. Location of point: In the J Aus in Original Survey No. 201, Abstract No. 1, Harris County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure. For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 29.765446 °N, Longitude 95.358471 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): GIS

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 4.0
DISCHARGE INFORMATION

Not Applicable

This worksheet required for any requested authorization to discharge water into a State Watercourse for conveyance and later withdrawal or in-place use. Worksheet 4.1 is also required for each Discharge point location requested. **Instructions Page. 26.** ***Applicant is responsible for obtaining any separate water quality authorizations which may be required and for insuring compliance with TWC, Chapter 26 or any other applicable law.***

a. The purpose of use for the water being discharged will be _____.

b. Provide the amount of water that will be lost to transportation, evaporation, seepage, channel or other associated carriage losses _____% and explain the method of calculation:_____

Is the source of the discharged water return flows? **Y / N** If yes, provide the following information:

1. The TPDES Permit Number(s)._____ (attach a copy of the **current** TPDES permit(s))

2. Applicant is the owner/holder of each TPDES permit listed above? **Y / N**

PLEASE NOTE: If Applicant is not the discharger of the return flows, the application should be submitted under Section 1, New or Additional Appropriation of State Water, as a request for a new appropriation of state water. If Applicant is the discharger, then the application should be submitted under Section 3, Bed and Banks.

3. Monthly WWTP discharge data for the past 5 years in electronic format. (Attach and label as "Supplement to Worksheet 4.0").

4. The percentage of return flows from groundwater_____, surface water_____?

5. If any percentage is surface water, provide the base water right number(s) _____.

c. Is the source of the water being discharged groundwater? **Y / N** If yes, provide the following information:

1. Source aquifer(s) from which water will be pumped:_____

2. Any 24 hour pump test for the well if one has been conducted. If the well has not been constructed, provide production information for wells in the same aquifer in the area of the application. See http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp. Additionally, provide well numbers or identifiers_____.

3. Indicate how the groundwater will be conveyed to the stream or reservoir.

4. A copy of the groundwater well permit if it is located in a Groundwater Conservation District (GCD) or evidence that a groundwater well permit is not required.

ci. Is the source of the water being discharged a surface water supply contract? **Y / N**
If yes, provide the signed contract(s).

cii. Identify any other source of the water_____

WORKSHEET 4.1
Not Applicable

DISCHARGE POINT INFORMATION

This worksheet is required for **each** discharge point. Submit one Worksheet 4.1 for each discharge point. If there is more than one discharge point, the numbering of the points should be consistent throughout the application and on any supplemental documents (e.g. maps). **Instructions, Page 27.**

For water discharged at this location provide:

a. The amount of water that will be discharged at this point is _____acre-feet per year. The discharged amount should include the amount needed for use and to compensate for any losses.

b. Water will be discharged at this point at a maximum rate of_____cfs or _____gpm.

c. Name of Watercourse as shown on Official USGS maps: _____

d. Zip Code: _____

f. Location of point: In the _____Original Survey No. _____, Abstract No._____, _____County, Texas.

g. Point is at:

Latitude _____˚N, Longitude _____˚W.

Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

h. Indicate the method used to calculate the discharge point location (examples: Handheld GPS Device, GIS, Mapping Program):_____

Map submitted must clearly identify each discharge point. See instructions Page. 15.

WORKSHEET 5.0
ENVIRONMENTAL INFORMATION

This worksheet is required for new appropriations of water in the Canadian, Red, Sulphur, and Cypress Creek Basins. The worksheet is also required in all basins for: requests to change a diversion point, applications using an alternate source of water, and bed and banks applications. **Instructions, Page 28.**

1. New Appropriations of Water (Canadian, Red, Sulphur, and Cypress Creek Basins only) and Changes in Diversion Point(s)

Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),
Location: Diversion Reach Brays Bayou 1, Upstream Boundary

a. Identify the appropriate description of the water body.

- ■ Stream
- ☐ Reservoir

Average depth of the entire water body, in feet: _____

- ☐ Other, specify: _____

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

- ☐ Intermittent – dry for at least one week during most years
- ☐ Intermittent with Perennial Pools – enduring pools
- ■ Perennial – normally flowing

Check the method used to characterize the area downstream of the new diversion location.

- ■ USGS flow records
- ☐ Historical observation by adjacent landowners
- ☐ Personal observation
- ☐ Other, specify: _____

c. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the stream segments affected by the application and the area surrounding those stream segments.

☐ Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional

☐ Natural Area: trees and/or native vegetation common; some development evident (from fields, pastures, dwellings); water clarity discolored

☒ Common Setting: not offensive; developed but uncluttered; water may be colored or turbid

☐ Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

d. Waterbody Recreational Uses

Are there any known recreational uses of the stream segments affected by the application?

☐ Primary contact recreation (swimming or direct contact with water)

☐ Secondary contact recreation (fishing, canoeing, or limited contact with water)

☒ Non-contact recreation

Submit the following information in a Supplemental Attachment, labeled Addendum to Worksheet 5.0:

1. Photographs of the stream at the diversion point or dam location. Photographs should be in color and show the proposed point or reservoir and upstream and downstream views of the stream, including riparian vegetation along the banks. Include a description of each photograph and reference the photograph to the map submitted with the application indicating the location of the photograph and the direction of the shot.

2. Measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

3. If the application includes a proposed reservoir, also include:

    i. A brief description of the area that will be inundated by the reservoir.

    ii. If a United States Army Corps of Engineers (USACE) 404 permit is required, provide the project number and USACE project manager.

    iii. A description of how any impacts to wetland habitat, if any, will be mitigated if the reservoir is greater than 5,000 acre-feet.

2. Alternate Sources of Water and/or Bed and Banks Applications

For all bed and banks applications: Not Applicable

a. Indicate the measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

b. An assessment of the adequacy of the quantity and quality of flows remaining after the proposed diversion to meet instream uses and bay and estuary freshwater inflow requirements.

If the alternate source is treated return flows, provide the TPDES permit number_____

If groundwater is the alternate source, or groundwater or other surface water will be discharged into a watercourse provide:

a. Reasonably current water chemistry information including but not limited to the following parameters in the table below. Additional parameters may be requested if there is a specific water quality concern associated with the aquifer from which water is withdrawn. If data for onsite wells are unavailable; historical data collected from similar sized wells drawing water from the same aquifer may be provided. However, onsite data may still be required when it becomes available. Provide the well number or well identifier. Complete the information below for each well and provide the Well Number or identifier.

Parameter	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Sulfate, mg/L					
Chloride, mg/L					
Total Dissolved Solids, mg/L					
pH, standard units					
Temperature*, degrees Celsius					

* Temperature must be measured onsite at the time the groundwater sample is collected.

b. If groundwater will be used, provide the depth of the well _____ and the name of the aquifer from which water is withdrawn _____.

WORKSHEET 5.0
ENVIRONMENTAL INFORMATION

This worksheet is required for new appropriations of water in the Canadian, Red, Sulphur, and Cypress Creek Basins. The worksheet is also required in all basins for: requests to change a diversion point, applications using an alternate source of water, and bed and banks applications. **Instructions, Page 28.**

1. New Appropriations of Water (Canadian, Red, Sulphur, and Cypress Creek Basins only) and Changes in Diversion Point(s)

Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),
Location: Diversion Reach Brays Bayou 1, Downstream Boundary and Diversion Reach Brays Bayou 2, Upstream Boundary

a. Identify the appropriate description of the water body.

- [x] Stream
- [ ] Reservoir

Average depth of the entire water body, in feet: _____

- [ ] Other, specify: _____

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

- [ ] Intermittent – dry for at least one week during most years
- [ ] Intermittent with Perennial Pools – enduring pools
- [x] Perennial – normally flowing

Check the method used to characterize the area downstream of the new diversion location.

- [x] USGS flow records
- [ ] Historical observation by adjacent landowners
- [ ] Personal observation
- [ ] Other, specify: _____

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    i. A brief description of the area that will be inundated by the reservoir.

    ii. If a United States Army Corps of Engineers (USACE) 404 permit is required, provide the project number and USACE project manager.

    iii. A description of how any impacts to wetland habitat, if any, will be mitigated if the reservoir is greater than 5,000 acre-feet.

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a. Indicate the measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

b. An assessment of the adequacy of the quantity and quality of flows remaining after the proposed diversion to meet instream uses and bay and estuary freshwater inflow requirements.

If the alternate source is treated return flows, provide the TPDES permit number_____

If groundwater is the alternate source, or groundwater or other surface water will be discharged into a watercourse provide:

a. Reasonably current water chemistry information including but not limited to the following parameters in the table below. Additional parameters may be requested if there is a specific water quality concern associated with the aquifer from which water is withdrawn. If data for onsite wells are unavailable; historical data collected from similar sized wells drawing water from the same aquifer may be provided. However, onsite data may still be required when it becomes available. Provide the well number or well identifier. Complete the information below for each well and provide the Well Number or identifier.

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Sulfate, mg/L					
Chloride, mg/L					
Total Dissolved Solids, mg/L					
pH, standard units					
Temperature*, degrees Celsius					

* Temperature must be measured onsite at the time the groundwater sample is collected.

b. If groundwater will be used, provide the depth of the well _____ and the name of the aquifer from which water is withdrawn _____.

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ENVIRONMENTAL INFORMATION

This worksheet is required for new appropriations of water in the Canadian, Red, Sulphur, and Cypress Creek Basins. The worksheet is also required in all basins for: requests to change a diversion point, applications using an alternate source of water, and bed and banks applications. **Instructions, Page 28.**

1. New Appropriations of Water (Canadian, Red, Sulphur, and Cypress Creek Basins only) and Changes in Diversion Point(s)

Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),
Location: Diversion Reach Brays Bayou 2, Downstream Boundary and Diversion Reach Brays Bayou 3, Upstream Boundary

a. Identify the appropriate description of the water body.

- [x] Stream
- [ ] Reservoir

Average depth of the entire water body, in feet: _____

- [ ] Other, specify: _____

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

- [ ] Intermittent – dry for at least one week during most years
- [ ] Intermittent with Perennial Pools – enduring pools
- [x] Perennial – normally flowing

Check the method used to characterize the area downstream of the new diversion location.

- [x] USGS flow records
- [ ] Historical observation by adjacent landowners
- [ ] Personal observation
- [ ] Other, specify: _____

c. Waterbody aesthetics

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Are there any known recreational uses of the stream segments affected by the application?

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☐ Secondary contact recreation (fishing, canoeing, or limited contact with water)

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1. Photographs of the stream at the diversion point or dam location. Photographs should be in color and show the proposed point or reservoir and upstream and downstream views of the stream, including riparian vegetation along the banks. Include a description of each photograph and reference the photograph to the map submitted with the application indicating the location of the photograph and the direction of the shot.

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b. An assessment of the adequacy of the quantity and quality of flows remaining after the proposed diversion to meet instream uses and bay and estuary freshwater inflow requirements.

If the alternate source is treated return flows, provide the TPDES permit number_____

If groundwater is the alternate source, or groundwater or other surface water will be discharged into a watercourse provide:

a. Reasonably current water chemistry information including but not limited to the following parameters in the table below. Additional parameters may be requested if there is a specific water quality concern associated with the aquifer from which water is withdrawn. If data for onsite wells are unavailable; historical data collected from similar sized wells drawing water from the same aquifer may be provided. However, onsite data may still be required when it becomes available. Provide the well number or well identifier. Complete the information below for each well and provide the Well Number or identifier.

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Chloride, mg/L					
Total Dissolved Solids, mg/L					
pH, standard units					
Temperature*, degrees Celsius					

* Temperature must be measured onsite at the time the groundwater sample is collected.

b. If groundwater will be used, provide the depth of the well _____ and the name of the aquifer from which water is withdrawn _____.

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Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),
Location: Diversion Reach Brays Bayou 3, Downstream Boundary

a. Identify the appropriate description of the water body.

- [x] Stream
- [ ] Reservoir

Average depth of the entire water body, in feet: _____

- [ ] Other, specify: _____

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

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    ii. If a United States Army Corps of Engineers (USACE) 404 permit is required, provide the project number and USACE project manager.

    iii. A description of how any impacts to wetland habitat, if any, will be mitigated if the reservoir is greater than 5,000 acre-feet.

2. Alternate Sources of Water and/or Bed and Banks Applications

For all bed and banks applications: Not Applicable

a. Indicate the measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

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If the alternate source is treated return flows, provide the TPDES permit number_____

If groundwater is the alternate source, or groundwater or other surface water will be discharged into a watercourse provide:

a. Reasonably current water chemistry information including but not limited to the following parameters in the table below. Additional parameters may be requested if there is a specific water quality concern associated with the aquifer from which water is withdrawn. If data for onsite wells are unavailable; historical data collected from similar sized wells drawing water from the same aquifer may be provided. However, onsite data may still be required when it becomes available. Provide the well number or well identifier. Complete the information below for each well and provide the Well Number or identifier.

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pH, standard units					
Temperature*, degrees Celsius					

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ENVIRONMENTAL INFORMATION

This worksheet is required for new appropriations of water in the Canadian, Red, Sulphur, and Cypress Creek Basins. The worksheet is also required in all basins for: requests to change a diversion point, applications using an alternate source of water, and bed and banks applications. **Instructions, Page 28.**

1. New Appropriations of Water (Canadian, Red, Sulphur, and Cypress Creek Basins only) and Changes in Diversion Point(s)

Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),
Location: Diversion Reach Greens Bayou 1, Upstream Boundary

a. Identify the appropriate description of the water body.

- ■ Stream
- ☐ Reservoir

Average depth of the entire water body, in feet: _____

- ☐ Other, specify: _____

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

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For all bed and banks applications: Not Applicable

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a. Reasonably current water chemistry information including but not limited to the following parameters in the table below. Additional parameters may be requested if there is a specific water quality concern associated with the aquifer from which water is withdrawn. If data for onsite wells are unavailable; historical data collected from similar sized wells drawing water from the same aquifer may be provided. However, onsite data may still be required when it becomes available. Provide the well number or well identifier. Complete the information below for each well and provide the Well Number or identifier.

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Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),
Location: Diversion Reach Greens Bayou 1, Downstream Boundary and Diversion Reach Greens Bayou 2, Upstream Boundary

a. Identify the appropriate description of the water body.

- [x] Stream
- [ ] Reservoir

Average depth of the entire water body, in feet: _____

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b. Flow characteristics

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For all bed and banks applications: Not Applicable

a. Indicate the measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

b. An assessment of the adequacy of the quantity and quality of flows remaining after the proposed diversion to meet instream uses and bay and estuary freshwater inflow requirements.

If the alternate source is treated return flows, provide the TPDES permit number_____

If groundwater is the alternate source, or groundwater or other surface water will be discharged into a watercourse provide:

a. Reasonably current water chemistry information including but not limited to the following parameters in the table below. Additional parameters may be requested if there is a specific water quality concern associated with the aquifer from which water is withdrawn. If data for onsite wells are unavailable; historical data collected from similar sized wells drawing water from the same aquifer may be provided. However, onsite data may still be required when it becomes available. Provide the well number or well identifier. Complete the information below for each well and provide the Well Number or identifier.

Parameter	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Sulfate, mg/L					
Chloride, mg/L					
Total Dissolved Solids, mg/L					
pH, standard units					
Temperature*, degrees Celsius					

* Temperature must be measured onsite at the time the groundwater sample is collected.

b. If groundwater will be used, provide the depth of the well _____ and the name of the aquifer from which water is withdrawn _____.

WORKSHEET 5.0
ENVIRONMENTAL INFORMATION

This worksheet is required for new appropriations of water in the Canadian, Red, Sulphur, and Cypress Creek Basins. The worksheet is also required in all basins for: requests to change a diversion point, applications using an alternate source of water, and bed and banks applications. **Instructions, Page 28.**

1. New Appropriations of Water (Canadian, Red, Sulphur, and Cypress Creek Basins only) and Changes in Diversion Point(s)

Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),
Location: Diversion Reach Greens Bayou 2, Downstream Boundary and Diversion Reach Greens Bayou 3, Upstream Boundary

a. Identify the appropriate description of the water body.

- [x] Stream
- [ ] Reservoir

Average depth of the entire water body, in feet: _____

- [ ] Other, specify: _____

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

- [ ] Intermittent – dry for at least one week during most years
- [ ] Intermittent with Perennial Pools – enduring pools
- [x] Perennial – normally flowing

Check the method used to characterize the area downstream of the new diversion location.

- [x] USGS flow records
- [ ] Historical observation by adjacent landowners
- [ ] Personal observation
- [ ] Other, specify: _____

c. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the stream segments affected by the application and the area surrounding those stream segments.

☐ Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional

☐ Natural Area: trees and/or native vegetation common; some development evident (from fields, pastures, dwellings); water clarity discolored

☒ Common Setting: not offensive; developed but uncluttered; water may be colored or turbid

☐ Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

d. Waterbody Recreational Uses

Are there any known recreational uses of the stream segments affected by the application?

☐ Primary contact recreation (swimming or direct contact with water)

☐ Secondary contact recreation (fishing, canoeing, or limited contact with water)

☒ Non-contact recreation

Submit the following information in a Supplemental Attachment, labeled Addendum to Worksheet 5.0:

1. Photographs of the stream at the diversion point or dam location. Photographs should be in color and show the proposed point or reservoir and upstream and downstream views of the stream, including riparian vegetation along the banks. Include a description of each photograph and reference the photograph to the map submitted with the application indicating the location of the photograph and the direction of the shot.

2. Measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

3. If the application includes a proposed reservoir, also include:

    i. A brief description of the area that will be inundated by the reservoir.

    ii. If a United States Army Corps of Engineers (USACE) 404 permit is required, provide the project number and USACE project manager.

    iii. A description of how any impacts to wetland habitat, if any, will be mitigated if the reservoir is greater than 5,000 acre-feet.

2. Alternate Sources of Water and/or Bed and Banks Applications

For all bed and banks applications: Not Applicable

a. Indicate the measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

b. An assessment of the adequacy of the quantity and quality of flows remaining after the proposed diversion to meet instream uses and bay and estuary freshwater inflow requirements.

If the alternate source is treated return flows, provide the TPDES permit number_____

If groundwater is the alternate source, or groundwater or other surface water will be discharged into a watercourse provide:

a. Reasonably current water chemistry information including but not limited to the following parameters in the table below. Additional parameters may be requested if there is a specific water quality concern associated with the aquifer from which water is withdrawn. If data for onsite wells are unavailable; historical data collected from similar sized wells drawing water from the same aquifer may be provided. However, onsite data may still be required when it becomes available. Provide the well number or well identifier. Complete the information below for each well and provide the Well Number or identifier.

Parameter	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Sulfate, mg/L					
Chloride, mg/L					
Total Dissolved Solids, mg/L					
pH, standard units					
Temperature*, degrees Celsius					

* Temperature must be measured onsite at the time the groundwater sample is collected.

b. If groundwater will be used, provide the depth of the well _____ and the name of the aquifer from which water is withdrawn _____.

WORKSHEET 5.0
ENVIRONMENTAL INFORMATION

This worksheet is required for new appropriations of water in the Canadian, Red, Sulphur, and Cypress Creek Basins. The worksheet is also required in all basins for: requests to change a diversion point, applications using an alternate source of water, and bed and banks applications. **Instructions, Page 28.**

1. New Appropriations of Water (Canadian, Red, Sulphur, and Cypress Creek Basins only) and Changes in Diversion Point(s)

Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),
Location: Diversion Reach Greens Bayou 3, Downstream Boundary and Diversion Reach Greens Bayou 4, Upstream Boundary

a. Identify the appropriate description of the water body.

- [x] Stream
- [ ] Reservoir

Average depth of the entire water body, in feet: _____

- [ ] Other, specify: _____

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

- [ ] Intermittent – dry for at least one week during most years
- [ ] Intermittent with Perennial Pools – enduring pools
- [x] Perennial – normally flowing

Check the method used to characterize the area downstream of the new diversion location.

- [x] USGS flow records
- [ ] Historical observation by adjacent landowners
- [ ] Personal observation
- [ ] Other, specify: _____

c. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the stream segments affected by the application and the area surrounding those stream segments.

☐ Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional

☐ Natural Area: trees and/or native vegetation common; some development evident (from fields, pastures, dwellings); water clarity discolored

☒ Common Setting: not offensive; developed but uncluttered; water may be colored or turbid

☐ Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

d. Waterbody Recreational Uses

Are there any known recreational uses of the stream segments affected by the application?

☐ Primary contact recreation (swimming or direct contact with water)

☐ Secondary contact recreation (fishing, canoeing, or limited contact with water)

☒ Non-contact recreation

Submit the following information in a Supplemental Attachment, labeled Addendum to Worksheet 5.0:

1. Photographs of the stream at the diversion point or dam location. Photographs should be in color and show the proposed point or reservoir and upstream and downstream views of the stream, including riparian vegetation along the banks. Include a description of each photograph and reference the photograph to the map submitted with the application indicating the location of the photograph and the direction of the shot.

2. Measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

3. If the application includes a proposed reservoir, also include:

    i. A brief description of the area that will be inundated by the reservoir.

    ii. If a United States Army Corps of Engineers (USACE) 404 permit is required, provide the project number and USACE project manager.

    iii. A description of how any impacts to wetland habitat, if any, will be mitigated if the reservoir is greater than 5,000 acre-feet.

2. Alternate Sources of Water and/or Bed and Banks Applications

For all bed and banks applications: Not Applicable

a. Indicate the measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

b. An assessment of the adequacy of the quantity and quality of flows remaining after the proposed diversion to meet instream uses and bay and estuary freshwater inflow requirements.

If the alternate source is treated return flows, provide the TPDES permit number_____

If groundwater is the alternate source, or groundwater or other surface water will be discharged into a watercourse provide:

a. Reasonably current water chemistry information including but not limited to the following parameters in the table below. Additional parameters may be requested if there is a specific water quality concern associated with the aquifer from which water is withdrawn. If data for onsite wells are unavailable; historical data collected from similar sized wells drawing water from the same aquifer may be provided. However, onsite data may still be required when it becomes available. Provide the well number or well identifier. Complete the information below for each well and provide the Well Number or identifier.

Parameter	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Sulfate, mg/L					
Chloride, mg/L					
Total Dissolved Solids, mg/L					
pH, standard units					
Temperature*, degrees Celsius					

* Temperature must be measured onsite at the time the groundwater sample is collected.

b. If groundwater will be used, provide the depth of the well _____ and the name of the aquifer from which water is withdrawn _____.

WORKSHEET 5.0
ENVIRONMENTAL INFORMATION

This worksheet is required for new appropriations of water in the Canadian, Red, Sulphur, and Cypress Creek Basins. The worksheet is also required in all basins for: requests to change a diversion point, applications using an alternate source of water, and bed and banks applications. **Instructions, Page 28.**

1. New Appropriations of Water (Canadian, Red, Sulphur, and Cypress Creek Basins only) and Changes in Diversion Point(s)

Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),
Location: Diversion Reach Greens Bayou 4, Downstream Boundary and Diversion Reach Greens Bayou 5, Upstream Boundary

a. Identify the appropriate description of the water body.

- [x] Stream
- [ ] Reservoir

Average depth of the entire water body, in feet: _____

- [ ] Other, specify: _____

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

- [ ] Intermittent – dry for at least one week during most years
- [ ] Intermittent with Perennial Pools – enduring pools
- [x] Perennial – normally flowing

Check the method used to characterize the area downstream of the new diversion location.

- [x] USGS flow records
- [ ] Historical observation by adjacent landowners
- [ ] Personal observation
- [ ] Other, specify: _____

c. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the stream segments affected by the application and the area surrounding those stream segments.

☐ Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional

☐ Natural Area: trees and/or native vegetation common; some development evident (from fields, pastures, dwellings); water clarity discolored

☒ Common Setting: not offensive; developed but uncluttered; water may be colored or turbid

☐ Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

d. Waterbody Recreational Uses

Are there any known recreational uses of the stream segments affected by the application?

☐ Primary contact recreation (swimming or direct contact with water)

☐ Secondary contact recreation (fishing, canoeing, or limited contact with water)

☒ Non-contact recreation

Submit the following information in a Supplemental Attachment, labeled Addendum to Worksheet 5.0:

1. Photographs of the stream at the diversion point or dam location. Photographs should be in color and show the proposed point or reservoir and upstream and downstream views of the stream, including riparian vegetation along the banks. Include a description of each photograph and reference the photograph to the map submitted with the application indicating the location of the photograph and the direction of the shot.

2. Measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

3. If the application includes a proposed reservoir, also include:

    i. A brief description of the area that will be inundated by the reservoir.

    ii. If a United States Army Corps of Engineers (USACE) 404 permit is required, provide the project number and USACE project manager.

    iii. A description of how any impacts to wetland habitat, if any, will be mitigated if the reservoir is greater than 5,000 acre-feet.

2. Alternate Sources of Water and/or Bed and Banks Applications

For all bed and banks applications: Not Applicable

a. Indicate the measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

b. An assessment of the adequacy of the quantity and quality of flows remaining after the proposed diversion to meet instream uses and bay and estuary freshwater inflow requirements.

If the alternate source is treated return flows, provide the TPDES permit number_____

If groundwater is the alternate source, or groundwater or other surface water will be discharged into a watercourse provide:

a. Reasonably current water chemistry information including but not limited to the following parameters in the table below. Additional parameters may be requested if there is a specific water quality concern associated with the aquifer from which water is withdrawn. If data for onsite wells are unavailable; historical data collected from similar sized wells drawing water from the same aquifer may be provided. However, onsite data may still be required when it becomes available. Provide the well number or well identifier. Complete the information below for each well and provide the Well Number or identifier.

Parameter	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Sulfate, mg/L					
Chloride, mg/L					
Total Dissolved Solids, mg/L					
pH, standard units					
Temperature*, degrees Celsius					

* Temperature must be measured onsite at the time the groundwater sample is collected.

b. If groundwater will be used, provide the depth of the well _____ and the name of the aquifer from which water is withdrawn _____.

WORKSHEET 5.0
ENVIRONMENTAL INFORMATION

This worksheet is required for new appropriations of water in the Canadian, Red, Sulphur, and Cypress Creek Basins. The worksheet is also required in all basins for: requests to change a diversion point, applications using an alternate source of water, and bed and banks applications. **Instructions, Page 28.**

1. New Appropriations of Water (Canadian, Red, Sulphur, and Cypress Creek Basins only) and Changes in Diversion Point(s)

Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),
Location: Diversion Reach Greens Bayou 5, Downstream Boundary and Diversion Reach Greens Bayou 6, Upstream Boundary

a. Identify the appropriate description of the water body.

- ■ Stream
- ☐ Reservoir

Average depth of the entire water body, in feet: _____

- ☐ Other, specify: _____

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

- ☐ Intermittent – dry for at least one week during most years
- ☐ Intermittent with Perennial Pools – enduring pools
- ■ Perennial – normally flowing

Check the method used to characterize the area downstream of the new diversion location.

- ■ USGS flow records
- ☐ Historical observation by adjacent landowners
- ☐ Personal observation
- ☐ Other, specify: _____

c. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the stream segments affected by the application and the area surrounding those stream segments.

☐ Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional

☐ Natural Area: trees and/or native vegetation common; some development evident (from fields, pastures, dwellings); water clarity discolored

☒ Common Setting: not offensive; developed but uncluttered; water may be colored or turbid

☐ Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

d. Waterbody Recreational Uses

Are there any known recreational uses of the stream segments affected by the application?

☐ Primary contact recreation (swimming or direct contact with water)

☐ Secondary contact recreation (fishing, canoeing, or limited contact with water)

☒ Non-contact recreation

Submit the following information in a Supplemental Attachment, labeled Addendum to Worksheet 5.0:

1. Photographs of the stream at the diversion point or dam location. Photographs should be in color and show the proposed point or reservoir and upstream and downstream views of the stream, including riparian vegetation along the banks. Include a description of each photograph and reference the photograph to the map submitted with the application indicating the location of the photograph and the direction of the shot.

2. Measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

3. If the application includes a proposed reservoir, also include:

    i. A brief description of the area that will be inundated by the reservoir.

    ii. If a United States Army Corps of Engineers (USACE) 404 permit is required, provide the project number and USACE project manager.

    iii. A description of how any impacts to wetland habitat, if any, will be mitigated if the reservoir is greater than 5,000 acre-feet.

2. Alternate Sources of Water and/or Bed and Banks Applications

For all bed and banks applications: Not Applicable

a. Indicate the measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

b. An assessment of the adequacy of the quantity and quality of flows remaining after the proposed diversion to meet instream uses and bay and estuary freshwater inflow requirements.

If the alternate source is treated return flows, provide the TPDES permit number_____

If groundwater is the alternate source, or groundwater or other surface water will be discharged into a watercourse provide:

a. Reasonably current water chemistry information including but not limited to the following parameters in the table below. Additional parameters may be requested if there is a specific water quality concern associated with the aquifer from which water is withdrawn. If data for onsite wells are unavailable; historical data collected from similar sized wells drawing water from the same aquifer may be provided. However, onsite data may still be required when it becomes available. Provide the well number or well identifier. Complete the information below for each well and provide the Well Number or identifier.

Parameter	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Sulfate, mg/L					
Chloride, mg/L					
Total Dissolved Solids, mg/L					
pH, standard units					
Temperature*, degrees Celsius					

* Temperature must be measured onsite at the time the groundwater sample is collected.

b. If groundwater will be used, provide the depth of the well _____ and the name of the aquifer from which water is withdrawn _____.

WORKSHEET 5.0
ENVIRONMENTAL INFORMATION

This worksheet is required for new appropriations of water in the Canadian, Red, Sulphur, and Cypress Creek Basins. The worksheet is also required in all basins for: requests to change a diversion point, applications using an alternate source of water, and bed and banks applications. **Instructions, Page 28.**

1. New Appropriations of Water (Canadian, Red, Sulphur, and Cypress Creek Basins only) and Changes in Diversion Point(s)

Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),
Location: Diversion Reach Greens Bayou 6, Downstream Boundary and Diversion Reach Greens Bayou 7, Upstream Boundary

a. Identify the appropriate description of the water body.

- [x] Stream
- [ ] Reservoir

Average depth of the entire water body, in feet: _____

- [ ] Other, specify: _____

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

- [ ] Intermittent – dry for at least one week during most years
- [ ] Intermittent with Perennial Pools – enduring pools
- [x] Perennial – normally flowing

Check the method used to characterize the area downstream of the new diversion location.

- [x] USGS flow records
- [ ] Historical observation by adjacent landowners
- [ ] Personal observation
- [ ] Other, specify: _____

c. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the stream segments affected by the application and the area surrounding those stream segments.

☐ Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional

☐ Natural Area: trees and/or native vegetation common; some development evident (from fields, pastures, dwellings); water clarity discolored

☒ Common Setting: not offensive; developed but uncluttered; water may be colored or turbid

☐ Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

d. Waterbody Recreational Uses

Are there any known recreational uses of the stream segments affected by the application?

☐ Primary contact recreation (swimming or direct contact with water)

☐ Secondary contact recreation (fishing, canoeing, or limited contact with water)

☒ Non-contact recreation

Submit the following information in a Supplemental Attachment, labeled Addendum to Worksheet 5.0:

1. Photographs of the stream at the diversion point or dam location. Photographs should be in color and show the proposed point or reservoir and upstream and downstream views of the stream, including riparian vegetation along the banks. Include a description of each photograph and reference the photograph to the map submitted with the application indicating the location of the photograph and the direction of the shot.

2. Measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

3. If the application includes a proposed reservoir, also include:

    i. A brief description of the area that will be inundated by the reservoir.

    ii. If a United States Army Corps of Engineers (USACE) 404 permit is required, provide the project number and USACE project manager.

    iii. A description of how any impacts to wetland habitat, if any, will be mitigated if the reservoir is greater than 5,000 acre-feet.

2. Alternate Sources of Water and/or Bed and Banks Applications

For all bed and banks applications: Not Applicable

a. Indicate the measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

b. An assessment of the adequacy of the quantity and quality of flows remaining after the proposed diversion to meet instream uses and bay and estuary freshwater inflow requirements.

If the alternate source is treated return flows, provide the TPDES permit number_____

If groundwater is the alternate source, or groundwater or other surface water will be discharged into a watercourse provide:

a. Reasonably current water chemistry information including but not limited to the following parameters in the table below. Additional parameters may be requested if there is a specific water quality concern associated with the aquifer from which water is withdrawn. If data for onsite wells are unavailable; historical data collected from similar sized wells drawing water from the same aquifer may be provided. However, onsite data may still be required when it becomes available. Provide the well number or well identifier. Complete the information below for each well and provide the Well Number or identifier.

Parameter	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Sulfate, mg/L					
Chloride, mg/L					
Total Dissolved Solids, mg/L					
pH, standard units					
Temperature*, degrees Celsius					

* Temperature must be measured onsite at the time the groundwater sample is collected.

b. If groundwater will be used, provide the depth of the well _____ and the name of the aquifer from which water is withdrawn _____.

WORKSHEET 5.0
ENVIRONMENTAL INFORMATION

This worksheet is required for new appropriations of water in the Canadian, Red, Sulphur, and Cypress Creek Basins. The worksheet is also required in all basins for: requests to change a diversion point, applications using an alternate source of water, and bed and banks applications. **Instructions, Page 28.**

1. New Appropriations of Water (Canadian, Red, Sulphur, and Cypress Creek Basins only) and Changes in Diversion Point(s)

Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),
Location: Diversion Reach Greens Bayou 7, Downstream Boundary and Diversion Reach Greens Bayou 8, Upstream Boundary

a. Identify the appropriate description of the water body.

- [x] Stream
- [ ] Reservoir

Average depth of the entire water body, in feet: _____

- [ ] Other, specify: _____

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

- [ ] Intermittent – dry for at least one week during most years
- [ ] Intermittent with Perennial Pools – enduring pools
- [x] Perennial – normally flowing

Check the method used to characterize the area downstream of the new diversion location.

- [x] USGS flow records
- [ ] Historical observation by adjacent landowners
- [ ] Personal observation
- [ ] Other, specify: _____

c. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the stream segments affected by the application and the area surrounding those stream segments.

☐ Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional

☐ Natural Area: trees and/or native vegetation common; some development evident (from fields, pastures, dwellings); water clarity discolored

☒ Common Setting: not offensive; developed but uncluttered; water may be colored or turbid

☐ Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

d. Waterbody Recreational Uses

Are there any known recreational uses of the stream segments affected by the application?

☐ Primary contact recreation (swimming or direct contact with water)

☐ Secondary contact recreation (fishing, canoeing, or limited contact with water)

☒ Non-contact recreation

Submit the following information in a Supplemental Attachment, labeled Addendum to Worksheet 5.0:

1. Photographs of the stream at the diversion point or dam location. Photographs should be in color and show the proposed point or reservoir and upstream and downstream views of the stream, including riparian vegetation along the banks. Include a description of each photograph and reference the photograph to the map submitted with the application indicating the location of the photograph and the direction of the shot.

2. Measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

3. If the application includes a proposed reservoir, also include:

    i. A brief description of the area that will be inundated by the reservoir.

    ii. If a United States Army Corps of Engineers (USACE) 404 permit is required, provide the project number and USACE project manager.

    iii. A description of how any impacts to wetland habitat, if any, will be mitigated if the reservoir is greater than 5,000 acre-feet.

2. Alternate Sources of Water and/or Bed and Banks Applications

For all bed and banks applications: Not Applicable

a. Indicate the measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

b. An assessment of the adequacy of the quantity and quality of flows remaining after the proposed diversion to meet instream uses and bay and estuary freshwater inflow requirements.

If the alternate source is treated return flows, provide the TPDES permit number_____

If groundwater is the alternate source, or groundwater or other surface water will be discharged into a watercourse provide:

a. Reasonably current water chemistry information including but not limited to the following parameters in the table below. Additional parameters may be requested if there is a specific water quality concern associated with the aquifer from which water is withdrawn. If data for onsite wells are unavailable; historical data collected from similar sized wells drawing water from the same aquifer may be provided. However, onsite data may still be required when it becomes available. Provide the well number or well identifier. Complete the information below for each well and provide the Well Number or identifier.

Parameter	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Sulfate, mg/L					
Chloride, mg/L					
Total Dissolved Solids, mg/L					
pH, standard units					
Temperature*, degrees Celsius					

* Temperature must be measured onsite at the time the groundwater sample is collected.

b. If groundwater will be used, provide the depth of the well _____ and the name of the aquifer from which water is withdrawn _____.

WORKSHEET 5.0
ENVIRONMENTAL INFORMATION

This worksheet is required for new appropriations of water in the Canadian, Red, Sulphur, and Cypress Creek Basins. The worksheet is also required in all basins for: requests to change a diversion point, applications using an alternate source of water, and bed and banks applications. **Instructions, Page 28.**

1. New Appropriations of Water (Canadian, Red, Sulphur, and Cypress Creek Basins only) and Changes in Diversion Point(s)

Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),
Location: Diversion Reach Greens Bayou 8, Downstream Boundary and Diversion Reach Greens Bayou 9, Upstream Boundary

a. Identify the appropriate description of the water body.

- [x] Stream
- [ ] Reservoir

Average depth of the entire water body, in feet: _____

- [ ] Other, specify: _____

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

- [ ] Intermittent – dry for at least one week during most years
- [ ] Intermittent with Perennial Pools – enduring pools
- [x] Perennial – normally flowing

Check the method used to characterize the area downstream of the new diversion location.

- [x] USGS flow records
- [ ] Historical observation by adjacent landowners
- [ ] Personal observation
- [ ] Other, specify: _____

c. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the stream segments affected by the application and the area surrounding those stream segments.

☐ Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional

☐ Natural Area: trees and/or native vegetation common; some development evident (from fields, pastures, dwellings); water clarity discolored

☒ Common Setting: not offensive; developed but uncluttered; water may be colored or turbid

☐ Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

d. Waterbody Recreational Uses

Are there any known recreational uses of the stream segments affected by the application?

☐ Primary contact recreation (swimming or direct contact with water)

☐ Secondary contact recreation (fishing, canoeing, or limited contact with water)

☒ Non-contact recreation

Submit the following information in a Supplemental Attachment, labeled Addendum to Worksheet 5.0:

1. Photographs of the stream at the diversion point or dam location. Photographs should be in color and show the proposed point or reservoir and upstream and downstream views of the stream, including riparian vegetation along the banks. Include a description of each photograph and reference the photograph to the map submitted with the application indicating the location of the photograph and the direction of the shot.

2. Measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

3. If the application includes a proposed reservoir, also include:

    i. A brief description of the area that will be inundated by the reservoir.

    ii. If a United States Army Corps of Engineers (USACE) 404 permit is required, provide the project number and USACE project manager.

    iii. A description of how any impacts to wetland habitat, if any, will be mitigated if the reservoir is greater than 5,000 acre-feet.

2. Alternate Sources of Water and/or Bed and Banks Applications

For all bed and banks applications: Not Applicable

a. Indicate the measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

b. An assessment of the adequacy of the quantity and quality of flows remaining after the proposed diversion to meet instream uses and bay and estuary freshwater inflow requirements.

If the alternate source is treated return flows, provide the TPDES permit number_____

If groundwater is the alternate source, or groundwater or other surface water will be discharged into a watercourse provide:

a. Reasonably current water chemistry information including but not limited to the following parameters in the table below. Additional parameters may be requested if there is a specific water quality concern associated with the aquifer from which water is withdrawn. If data for onsite wells are unavailable; historical data collected from similar sized wells drawing water from the same aquifer may be provided. However, onsite data may still be required when it becomes available. Provide the well number or well identifier. Complete the information below for each well and provide the Well Number or identifier.

Parameter	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Sulfate, mg/L					
Chloride, mg/L					
Total Dissolved Solids, mg/L					
pH, standard units					
Temperature*, degrees Celsius					

* Temperature must be measured onsite at the time the groundwater sample is collected.

b. If groundwater will be used, provide the depth of the well _____ and the name of the aquifer from which water is withdrawn _____.

WORKSHEET 5.0
ENVIRONMENTAL INFORMATION

This worksheet is required for new appropriations of water in the Canadian, Red, Sulphur, and Cypress Creek Basins. The worksheet is also required in all basins for: requests to change a diversion point, applications using an alternate source of water, and bed and banks applications. **Instructions, Page 28.**

1. New Appropriations of Water (Canadian, Red, Sulphur, and Cypress Creek Basins only) and Changes in Diversion Point(s)

Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),
Location: Diversion Reach Greens Bayou 9, Downstream Boundary and Diversion Reach Greens Bayou 10, Upstream Boundary

a. Identify the appropriate description of the water body.

- [x] Stream
- [ ] Reservoir

Average depth of the entire water body, in feet: _____

- [ ] Other, specify: _____

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

- [ ] Intermittent – dry for at least one week during most years
- [ ] Intermittent with Perennial Pools – enduring pools
- [x] Perennial – normally flowing

Check the method used to characterize the area downstream of the new diversion location.

- [x] USGS flow records
- [ ] Historical observation by adjacent landowners
- [ ] Personal observation
- [ ] Other, specify: _____

c. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the stream segments affected by the application and the area surrounding those stream segments.

☐ Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional

☐ Natural Area: trees and/or native vegetation common; some development evident (from fields, pastures, dwellings); water clarity discolored

☒ Common Setting: not offensive; developed but uncluttered; water may be colored or turbid

☐ Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

d. Waterbody Recreational Uses

Are there any known recreational uses of the stream segments affected by the application?

☐ Primary contact recreation (swimming or direct contact with water)

☐ Secondary contact recreation (fishing, canoeing, or limited contact with water)

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Submit the following information in a Supplemental Attachment, labeled Addendum to Worksheet 5.0:

1. Photographs of the stream at the diversion point or dam location. Photographs should be in color and show the proposed point or reservoir and upstream and downstream views of the stream, including riparian vegetation along the banks. Include a description of each photograph and reference the photograph to the map submitted with the application indicating the location of the photograph and the direction of the shot.

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    iii. A description of how any impacts to wetland habitat, if any, will be mitigated if the reservoir is greater than 5,000 acre-feet.

2. Alternate Sources of Water and/or Bed and Banks Applications

For all bed and banks applications: Not Applicable

a. Indicate the measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

b. An assessment of the adequacy of the quantity and quality of flows remaining after the proposed diversion to meet instream uses and bay and estuary freshwater inflow requirements.

If the alternate source is treated return flows, provide the TPDES permit number_____

If groundwater is the alternate source, or groundwater or other surface water will be discharged into a watercourse provide:

a. Reasonably current water chemistry information including but not limited to the following parameters in the table below. Additional parameters may be requested if there is a specific water quality concern associated with the aquifer from which water is withdrawn. If data for onsite wells are unavailable; historical data collected from similar sized wells drawing water from the same aquifer may be provided. However, onsite data may still be required when it becomes available. Provide the well number or well identifier. Complete the information below for each well and provide the Well Number or identifier.

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Sulfate, mg/L					
Chloride, mg/L					
Total Dissolved Solids, mg/L					
pH, standard units					
Temperature*, degrees Celsius					

* Temperature must be measured onsite at the time the groundwater sample is collected.

b. If groundwater will be used, provide the depth of the well _____ and the name of the aquifer from which water is withdrawn _____.

WORKSHEET 5.0
ENVIRONMENTAL INFORMATION

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1. New Appropriations of Water (Canadian, Red, Sulphur, and Cypress Creek Basins only) and Changes in Diversion Point(s)

Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),
Location: Diversion Reach Greens Bayou 10, Downstream Boundary

a. Identify the appropriate description of the water body.

- ■ Stream
- ☐ Reservoir

Average depth of the entire water body, in feet: _____

- ☐ Other, specify: _____

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

- ☐ Intermittent – dry for at least one week during most years
- ☐ Intermittent with Perennial Pools – enduring pools
- ■ Perennial – normally flowing

Check the method used to characterize the area downstream of the new diversion location.

- ■ USGS flow records
- ☐ Historical observation by adjacent landowners
- ☐ Personal observation
- ☐ Other, specify: _____

c. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the stream segments affected by the application and the area surrounding those stream segments.

☐ Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional

☐ Natural Area: trees and/or native vegetation common; some development evident (from fields, pastures, dwellings); water clarity discolored

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☐ Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

d. Waterbody Recreational Uses

Are there any known recreational uses of the stream segments affected by the application?

☐ Primary contact recreation (swimming or direct contact with water)

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1. Photographs of the stream at the diversion point or dam location. Photographs should be in color and show the proposed point or reservoir and upstream and downstream views of the stream, including riparian vegetation along the banks. Include a description of each photograph and reference the photograph to the map submitted with the application indicating the location of the photograph and the direction of the shot.

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    ii. If a United States Army Corps of Engineers (USACE) 404 permit is required, provide the project number and USACE project manager.

    iii. A description of how any impacts to wetland habitat, if any, will be mitigated if the reservoir is greater than 5,000 acre-feet.

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For all bed and banks applications: Not Applicable

a. Indicate the measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

b. An assessment of the adequacy of the quantity and quality of flows remaining after the proposed diversion to meet instream uses and bay and estuary freshwater inflow requirements.

If the alternate source is treated return flows, provide the TPDES permit number_____

If groundwater is the alternate source, or groundwater or other surface water will be discharged into a watercourse provide:

a. Reasonably current water chemistry information including but not limited to the following parameters in the table below. Additional parameters may be requested if there is a specific water quality concern associated with the aquifer from which water is withdrawn. If data for onsite wells are unavailable; historical data collected from similar sized wells drawing water from the same aquifer may be provided. However, onsite data may still be required when it becomes available. Provide the well number or well identifier. Complete the information below for each well and provide the Well Number or identifier.

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Sulfate, mg/L					
Chloride, mg/L					
Total Dissolved Solids, mg/L					
pH, standard units					
Temperature*, degrees Celsius					

* Temperature must be measured onsite at the time the groundwater sample is collected.

b. If groundwater will be used, provide the depth of the well _____ and the name of the aquifer from which water is withdrawn _____.

WORKSHEET 5.0
ENVIRONMENTAL INFORMATION

This worksheet is required for new appropriations of water in the Canadian, Red, Sulphur, and Cypress Creek Basins. The worksheet is also required in all basins for: requests to change a diversion point, applications using an alternate source of water, and bed and banks applications. **Instructions, Page 28.**

1. New Appropriations of Water (Canadian, Red, Sulphur, and Cypress Creek Basins only) and Changes in Diversion Point(s)

Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),
Location: Diversion Reach Hunting Bayou 1, Upstream Boundary

a. Identify the appropriate description of the water body.

- ■ Stream
- ☐ Reservoir

Average depth of the entire water body, in feet: _____

- ☐ Other, specify: _____

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

- ☐ Intermittent – dry for at least one week during most years
- ☐ Intermittent with Perennial Pools – enduring pools
- ■ Perennial – normally flowing

Check the method used to characterize the area downstream of the new diversion location.

- ■ USGS flow records
- ☐ Historical observation by adjacent landowners
- ☐ Personal observation
- ☐ Other, specify: _____

c. Waterbody aesthetics

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d. Waterbody Recreational Uses

Are there any known recreational uses of the stream segments affected by the application?

☐ Primary contact recreation (swimming or direct contact with water)

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    iii. A description of how any impacts to wetland habitat, if any, will be mitigated if the reservoir is greater than 5,000 acre-feet.

2. Alternate Sources of Water and/or Bed and Banks Applications

For all bed and banks applications: Not Applicable

a. Indicate the measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

b. An assessment of the adequacy of the quantity and quality of flows remaining after the proposed diversion to meet instream uses and bay and estuary freshwater inflow requirements.

If the alternate source is treated return flows, provide the TPDES permit number_____

If groundwater is the alternate source, or groundwater or other surface water will be discharged into a watercourse provide:

a. Reasonably current water chemistry information including but not limited to the following parameters in the table below. Additional parameters may be requested if there is a specific water quality concern associated with the aquifer from which water is withdrawn. If data for onsite wells are unavailable; historical data collected from similar sized wells drawing water from the same aquifer may be provided. However, onsite data may still be required when it becomes available. Provide the well number or well identifier. Complete the information below for each well and provide the Well Number or identifier.

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Sulfate, mg/L					
Chloride, mg/L					
Total Dissolved Solids, mg/L					
pH, standard units					
Temperature*, degrees Celsius					

* Temperature must be measured onsite at the time the groundwater sample is collected.

b. If groundwater will be used, provide the depth of the well _____ and the name of the aquifer from which water is withdrawn _____.

WORKSHEET 5.0
ENVIRONMENTAL INFORMATION

This worksheet is required for new appropriations of water in the Canadian, Red, Sulphur, and Cypress Creek Basins. The worksheet is also required in all basins for: requests to change a diversion point, applications using an alternate source of water, and bed and banks applications. **Instructions, Page 28.**

1. New Appropriations of Water (Canadian, Red, Sulphur, and Cypress Creek Basins only) and Changes in Diversion Point(s)

Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),
Location: Diversion Reach Hunting Bayou 1, Downstream Boundary

a. Identify the appropriate description of the water body.

- ■ Stream
- ☐ Reservoir

Average depth of the entire water body, in feet: _____

- ☐ Other, specify: _____

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

- ☐ Intermittent – dry for at least one week during most years
- ☐ Intermittent with Perennial Pools – enduring pools
- ■ Perennial – normally flowing

Check the method used to characterize the area downstream of the new diversion location.

- ■ USGS flow records
- ☐ Historical observation by adjacent landowners
- ☐ Personal observation
- ☐ Other, specify: _____

c. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the stream segments affected by the application and the area surrounding those stream segments.

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d. Waterbody Recreational Uses

Are there any known recreational uses of the stream segments affected by the application?

☐ Primary contact recreation (swimming or direct contact with water)

☐ Secondary contact recreation (fishing, canoeing, or limited contact with water)

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Submit the following information in a Supplemental Attachment, labeled Addendum to Worksheet 5.0:

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    ii. If a United States Army Corps of Engineers (USACE) 404 permit is required, provide the project number and USACE project manager.

    iii. A description of how any impacts to wetland habitat, if any, will be mitigated if the reservoir is greater than 5,000 acre-feet.

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For all bed and banks applications: Not Applicable

a. Indicate the measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

b. An assessment of the adequacy of the quantity and quality of flows remaining after the proposed diversion to meet instream uses and bay and estuary freshwater inflow requirements.

If the alternate source is treated return flows, provide the TPDES permit number_____

If groundwater is the alternate source, or groundwater or other surface water will be discharged into a watercourse provide:

a. Reasonably current water chemistry information including but not limited to the following parameters in the table below. Additional parameters may be requested if there is a specific water quality concern associated with the aquifer from which water is withdrawn. If data for onsite wells are unavailable; historical data collected from similar sized wells drawing water from the same aquifer may be provided. However, onsite data may still be required when it becomes available. Provide the well number or well identifier. Complete the information below for each well and provide the Well Number or identifier.

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Sulfate, mg/L					
Chloride, mg/L					
Total Dissolved Solids, mg/L					
pH, standard units					
Temperature*, degrees Celsius					

* Temperature must be measured onsite at the time the groundwater sample is collected.

b. If groundwater will be used, provide the depth of the well _____ and the name of the aquifer from which water is withdrawn _____.

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ENVIRONMENTAL INFORMATION

This worksheet is required for new appropriations of water in the Canadian, Red, Sulphur, and Cypress Creek Basins. The worksheet is also required in all basins for: requests to change a diversion point, applications using an alternate source of water, and bed and banks applications. **Instructions, Page 28.**

1. New Appropriations of Water (Canadian, Red, Sulphur, and Cypress Creek Basins only) and Changes in Diversion Point(s)

Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),
Location: Diversion Reach Sims Bayou 1, Upstream Boundary

a. Identify the appropriate description of the water body.

- ■ Stream
- ☐ Reservoir

Average depth of the entire water body, in feet: _____

- ☐ Other, specify: _____

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

- ☐ Intermittent – dry for at least one week during most years
- ☐ Intermittent with Perennial Pools – enduring pools
- ■ Perennial – normally flowing

Check the method used to characterize the area downstream of the new diversion location.

- ■ USGS flow records
- ☐ Historical observation by adjacent landowners
- ☐ Personal observation
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c. Waterbody aesthetics

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If groundwater is the alternate source, or groundwater or other surface water will be discharged into a watercourse provide:

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Temperature*, degrees Celsius					

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WORKSHEET 5.0
ENVIRONMENTAL INFORMATION

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1. New Appropriations of Water (Canadian, Red, Sulphur, and Cypress Creek Basins only) and Changes in Diversion Point(s)

Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),
Location: Diversion Reach Sims Bayou 1, Downstream Boundary and Diversion Reach Sims Bayou 2, Upstream Boundary

a. Identify the appropriate description of the water body.

- [x] Stream
- [ ] Reservoir

Average depth of the entire water body, in feet: _____

- [ ] Other, specify: _____

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

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a. Indicate the measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

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Temperature*, degrees Celsius					

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WORKSHEET 5.0
ENVIRONMENTAL INFORMATION

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1. New Appropriations of Water (Canadian, Red, Sulphur, and Cypress Creek Basins only) and Changes in Diversion Point(s)

Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),
Location: Diversion Reach Sims Bayou 2, Downstream Boundary and Diversion Reach Sims Bayou 3, Upstream Boundary

a. Identify the appropriate description of the water body.

- [x] Stream
- [ ] Reservoir

Average depth of the entire water body, in feet: _____

- [ ] Other, specify: _____

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

- [ ] Intermittent – dry for at least one week during most years
- [ ] Intermittent with Perennial Pools – enduring pools
- [x] Perennial – normally flowing

Check the method used to characterize the area downstream of the new diversion location.

- [x] USGS flow records
- [ ] Historical observation by adjacent landowners
- [ ] Personal observation
- [ ] Other, specify: _____

c. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the stream segments affected by the application and the area surrounding those stream segments.

☐ Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional

☐ Natural Area: trees and/or native vegetation common; some development evident (from fields, pastures, dwellings); water clarity discolored

☒ Common Setting: not offensive; developed but uncluttered; water may be colored or turbid

☐ Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

d. Waterbody Recreational Uses

Are there any known recreational uses of the stream segments affected by the application?

☐ Primary contact recreation (swimming or direct contact with water)

☐ Secondary contact recreation (fishing, canoeing, or limited contact with water)

☒ Non-contact recreation

Submit the following information in a Supplemental Attachment, labeled Addendum to Worksheet 5.0:

1. Photographs of the stream at the diversion point or dam location. Photographs should be in color and show the proposed point or reservoir and upstream and downstream views of the stream, including riparian vegetation along the banks. Include a description of each photograph and reference the photograph to the map submitted with the application indicating the location of the photograph and the direction of the shot.

2. Measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

3. If the application includes a proposed reservoir, also include:

    i. A brief description of the area that will be inundated by the reservoir.

    ii. If a United States Army Corps of Engineers (USACE) 404 permit is required, provide the project number and USACE project manager.

    iii. A description of how any impacts to wetland habitat, if any, will be mitigated if the reservoir is greater than 5,000 acre-feet.

2. Alternate Sources of Water and/or Bed and Banks Applications

For all bed and banks applications: Not Applicable

a. Indicate the measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

b. An assessment of the adequacy of the quantity and quality of flows remaining after the proposed diversion to meet instream uses and bay and estuary freshwater inflow requirements.

If the alternate source is treated return flows, provide the TPDES permit number_____

If groundwater is the alternate source, or groundwater or other surface water will be discharged into a watercourse provide:

a. Reasonably current water chemistry information including but not limited to the following parameters in the table below. Additional parameters may be requested if there is a specific water quality concern associated with the aquifer from which water is withdrawn. If data for onsite wells are unavailable; historical data collected from similar sized wells drawing water from the same aquifer may be provided. However, onsite data may still be required when it becomes available. Provide the well number or well identifier. Complete the information below for each well and provide the Well Number or identifier.

Parameter	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Sulfate, mg/L					
Chloride, mg/L					
Total Dissolved Solids, mg/L					
pH, standard units					
Temperature*, degrees Celsius					

* Temperature must be measured onsite at the time the groundwater sample is collected.

b. If groundwater will be used, provide the depth of the well _____ and the name of the aquifer from which water is withdrawn _____.

WORKSHEET 5.0
ENVIRONMENTAL INFORMATION

This worksheet is required for new appropriations of water in the Canadian, Red, Sulphur, and Cypress Creek Basins. The worksheet is also required in all basins for: requests to change a diversion point, applications using an alternate source of water, and bed and banks applications. **Instructions, Page 28.**

1. New Appropriations of Water (Canadian, Red, Sulphur, and Cypress Creek Basins only) and Changes in Diversion Point(s)

Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),
Location: Diversion Reach Sims Bayou 3, Downstream Boundary and Diversion Reach Sims Bayou 4, Upstream Boundary

a. Identify the appropriate description of the water body.

- [x] Stream
- [ ] Reservoir

Average depth of the entire water body, in feet: _____

- [ ] Other, specify: _____

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

- [ ] Intermittent – dry for at least one week during most years
- [ ] Intermittent with Perennial Pools – enduring pools
- [x] Perennial – normally flowing

Check the method used to characterize the area downstream of the new diversion location.

- [x] USGS flow records
- [ ] Historical observation by adjacent landowners
- [ ] Personal observation
- [ ] Other, specify: _____

c. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the stream segments affected by the application and the area surrounding those stream segments.

☐ Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional

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☐ Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

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Are there any known recreational uses of the stream segments affected by the application?

☐ Primary contact recreation (swimming or direct contact with water)

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Submit the following information in a Supplemental Attachment, labeled Addendum to Worksheet 5.0:

1. Photographs of the stream at the diversion point or dam location. Photographs should be in color and show the proposed point or reservoir and upstream and downstream views of the stream, including riparian vegetation along the banks. Include a description of each photograph and reference the photograph to the map submitted with the application indicating the location of the photograph and the direction of the shot.

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    i. A brief description of the area that will be inundated by the reservoir.

    ii. If a United States Army Corps of Engineers (USACE) 404 permit is required, provide the project number and USACE project manager.

    iii. A description of how any impacts to wetland habitat, if any, will be mitigated if the reservoir is greater than 5,000 acre-feet.

2. Alternate Sources of Water and/or Bed and Banks Applications

For all bed and banks applications: Not Applicable

a. Indicate the measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

b. An assessment of the adequacy of the quantity and quality of flows remaining after the proposed diversion to meet instream uses and bay and estuary freshwater inflow requirements.

If the alternate source is treated return flows, provide the TPDES permit number_____

If groundwater is the alternate source, or groundwater or other surface water will be discharged into a watercourse provide:

a. Reasonably current water chemistry information including but not limited to the following parameters in the table below. Additional parameters may be requested if there is a specific water quality concern associated with the aquifer from which water is withdrawn. If data for onsite wells are unavailable; historical data collected from similar sized wells drawing water from the same aquifer may be provided. However, onsite data may still be required when it becomes available. Provide the well number or well identifier. Complete the information below for each well and provide the Well Number or identifier.

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Sulfate, mg/L					
Chloride, mg/L					
Total Dissolved Solids, mg/L					
pH, standard units					
Temperature*, degrees Celsius					

* Temperature must be measured onsite at the time the groundwater sample is collected.

b. If groundwater will be used, provide the depth of the well _____ and the name of the aquifer from which water is withdrawn _____.

WORKSHEET 5.0
ENVIRONMENTAL INFORMATION

This worksheet is required for new appropriations of water in the Canadian, Red, Sulphur, and Cypress Creek Basins. The worksheet is also required in all basins for: requests to change a diversion point, applications using an alternate source of water, and bed and banks applications. **Instructions, Page 28.**

1. New Appropriations of Water (Canadian, Red, Sulphur, and Cypress Creek Basins only) and Changes in Diversion Point(s)

Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),
Location: Diversion Reach Sims Bayou 4, Downstream Boundary and Diversion Reach Sims Bayou 5, Upstream Boundary

a. Identify the appropriate description of the water body.

- [x] Stream
- [ ] Reservoir

Average depth of the entire water body, in feet: _____

- [ ] Other, specify: _____

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

- [ ] Intermittent – dry for at least one week during most years
- [ ] Intermittent with Perennial Pools – enduring pools
- [x] Perennial – normally flowing

Check the method used to characterize the area downstream of the new diversion location.

- [x] USGS flow records
- [ ] Historical observation by adjacent landowners
- [ ] Personal observation
- [ ] Other, specify: _____

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Are there any known recreational uses of the stream segments affected by the application?

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    i. A brief description of the area that will be inundated by the reservoir.

    ii. If a United States Army Corps of Engineers (USACE) 404 permit is required, provide the project number and USACE project manager.

    iii. A description of how any impacts to wetland habitat, if any, will be mitigated if the reservoir is greater than 5,000 acre-feet.

2. Alternate Sources of Water and/or Bed and Banks Applications

For all bed and banks applications: Not Applicable

a. Indicate the measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

b. An assessment of the adequacy of the quantity and quality of flows remaining after the proposed diversion to meet instream uses and bay and estuary freshwater inflow requirements.

If the alternate source is treated return flows, provide the TPDES permit number_____

If groundwater is the alternate source, or groundwater or other surface water will be discharged into a watercourse provide:

a. Reasonably current water chemistry information including but not limited to the following parameters in the table below. Additional parameters may be requested if there is a specific water quality concern associated with the aquifer from which water is withdrawn. If data for onsite wells are unavailable; historical data collected from similar sized wells drawing water from the same aquifer may be provided. However, onsite data may still be required when it becomes available. Provide the well number or well identifier. Complete the information below for each well and provide the Well Number or identifier.

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Sulfate, mg/L					
Chloride, mg/L					
Total Dissolved Solids, mg/L					
pH, standard units					
Temperature*, degrees Celsius					

* Temperature must be measured onsite at the time the groundwater sample is collected.

b. If groundwater will be used, provide the depth of the well _____ and the name of the aquifer from which water is withdrawn _____.

WORKSHEET 5.0
ENVIRONMENTAL INFORMATION

This worksheet is required for new appropriations of water in the Canadian, Red, Sulphur, and Cypress Creek Basins. The worksheet is also required in all basins for: requests to change a diversion point, applications using an alternate source of water, and bed and banks applications. **Instructions, Page 28.**

1. New Appropriations of Water (Canadian, Red, Sulphur, and Cypress Creek Basins only) and Changes in Diversion Point(s)

Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),
Location: Diversion Reach Sims Bayou 5, Downstream Boundary and Diversion Reach Sims Bayou 6, Upstream Boundary

a. Identify the appropriate description of the water body.

- [x] Stream
- [ ] Reservoir

Average depth of the entire water body, in feet: _____

- [ ] Other, specify: _____

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

- [ ] Intermittent – dry for at least one week during most years
- [ ] Intermittent with Perennial Pools – enduring pools
- [x] Perennial – normally flowing

Check the method used to characterize the area downstream of the new diversion location.

- [x] USGS flow records
- [ ] Historical observation by adjacent landowners
- [ ] Personal observation
- [ ] Other, specify: _____

c. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the stream segments affected by the application and the area surrounding those stream segments.

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☐ Natural Area: trees and/or native vegetation common; some development evident (from fields, pastures, dwellings); water clarity discolored

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☐ Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

d. Waterbody Recreational Uses

Are there any known recreational uses of the stream segments affected by the application?

☐ Primary contact recreation (swimming or direct contact with water)

☐ Secondary contact recreation (fishing, canoeing, or limited contact with water)

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Submit the following information in a Supplemental Attachment, labeled Addendum to Worksheet 5.0:

1. Photographs of the stream at the diversion point or dam location. Photographs should be in color and show the proposed point or reservoir and upstream and downstream views of the stream, including riparian vegetation along the banks. Include a description of each photograph and reference the photograph to the map submitted with the application indicating the location of the photograph and the direction of the shot.

2. Measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

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    i. A brief description of the area that will be inundated by the reservoir.

    ii. If a United States Army Corps of Engineers (USACE) 404 permit is required, provide the project number and USACE project manager.

    iii. A description of how any impacts to wetland habitat, if any, will be mitigated if the reservoir is greater than 5,000 acre-feet.

2. Alternate Sources of Water and/or Bed and Banks Applications

For all bed and banks applications: Not Applicable

a. Indicate the measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

b. An assessment of the adequacy of the quantity and quality of flows remaining after the proposed diversion to meet instream uses and bay and estuary freshwater inflow requirements.

If the alternate source is treated return flows, provide the TPDES permit number_____

If groundwater is the alternate source, or groundwater or other surface water will be discharged into a watercourse provide:

a. Reasonably current water chemistry information including but not limited to the following parameters in the table below. Additional parameters may be requested if there is a specific water quality concern associated with the aquifer from which water is withdrawn. If data for onsite wells are unavailable; historical data collected from similar sized wells drawing water from the same aquifer may be provided. However, onsite data may still be required when it becomes available. Provide the well number or well identifier. Complete the information below for each well and provide the Well Number or identifier.

Parameter	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Sulfate, mg/L					
Chloride, mg/L					
Total Dissolved Solids, mg/L					
pH, standard units					
Temperature*, degrees Celsius					

* Temperature must be measured onsite at the time the groundwater sample is collected.

b. If groundwater will be used, provide the depth of the well _____ and the name of the aquifer from which water is withdrawn _____.

WORKSHEET 5.0
ENVIRONMENTAL INFORMATION

This worksheet is required for new appropriations of water in the Canadian, Red, Sulphur, and Cypress Creek Basins. The worksheet is also required in all basins for: requests to change a diversion point, applications using an alternate source of water, and bed and banks applications. **Instructions, Page 28.**

1. New Appropriations of Water (Canadian, Red, Sulphur, and Cypress Creek Basins only) and Changes in Diversion Point(s)

Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),
Location: Diversion Reach Sims Bayou 6, Downstream Boundary

a. Identify the appropriate description of the water body.

- ■ Stream
- ☐ Reservoir

Average depth of the entire water body, in feet: _____

- ☐ Other, specify: _____

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

- ☐ Intermittent – dry for at least one week during most years
- ☐ Intermittent with Perennial Pools – enduring pools
- ■ Perennial – normally flowing

Check the method used to characterize the area downstream of the new diversion location.

- ■ USGS flow records
- ☐ Historical observation by adjacent landowners
- ☐ Personal observation
- ☐ Other, specify: _____

c. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the stream segments affected by the application and the area surrounding those stream segments.

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d. Waterbody Recreational Uses

Are there any known recreational uses of the stream segments affected by the application?

☐ Primary contact recreation (swimming or direct contact with water)

☐ Secondary contact recreation (fishing, canoeing, or limited contact with water)

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Submit the following information in a Supplemental Attachment, labeled Addendum to Worksheet 5.0:

1. Photographs of the stream at the diversion point or dam location. Photographs should be in color and show the proposed point or reservoir and upstream and downstream views of the stream, including riparian vegetation along the banks. Include a description of each photograph and reference the photograph to the map submitted with the application indicating the location of the photograph and the direction of the shot.

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    i. A brief description of the area that will be inundated by the reservoir.

    ii. If a United States Army Corps of Engineers (USACE) 404 permit is required, provide the project number and USACE project manager.

    iii. A description of how any impacts to wetland habitat, if any, will be mitigated if the reservoir is greater than 5,000 acre-feet.

2. Alternate Sources of Water and/or Bed and Banks Applications

For all bed and banks applications: Not Applicable

a. Indicate the measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

b. An assessment of the adequacy of the quantity and quality of flows remaining after the proposed diversion to meet instream uses and bay and estuary freshwater inflow requirements.

If the alternate source is treated return flows, provide the TPDES permit number_____

If groundwater is the alternate source, or groundwater or other surface water will be discharged into a watercourse provide:

a. Reasonably current water chemistry information including but not limited to the following parameters in the table below. Additional parameters may be requested if there is a specific water quality concern associated with the aquifer from which water is withdrawn. If data for onsite wells are unavailable; historical data collected from similar sized wells drawing water from the same aquifer may be provided. However, onsite data may still be required when it becomes available. Provide the well number or well identifier. Complete the information below for each well and provide the Well Number or identifier.

Parameter	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Sulfate, mg/L					
Chloride, mg/L					
Total Dissolved Solids, mg/L					
pH, standard units					
Temperature*, degrees Celsius					

* Temperature must be measured onsite at the time the groundwater sample is collected.

b. If groundwater will be used, provide the depth of the well _____ and the name of the aquifer from which water is withdrawn _____.

WORKSHEET 5.0
ENVIRONMENTAL INFORMATION

This worksheet is required for new appropriations of water in the Canadian, Red, Sulphur, and Cypress Creek Basins. The worksheet is also required in all basins for: requests to change a diversion point, applications using an alternate source of water, and bed and banks applications. **Instructions, Page 28.**

1. New Appropriations of Water (Canadian, Red, Sulphur, and Cypress Creek Basins only) and Changes in Diversion Point(s)

Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),
Location: Diversion Reach White Oak Bayou 1, Upstream Boundary

a. Identify the appropriate description of the water body.

- ■ Stream
- ☐ Reservoir

Average depth of the entire water body, in feet: _____

- ☐ Other, specify: _____

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

- ☐ Intermittent – dry for at least one week during most years
- ☐ Intermittent with Perennial Pools – enduring pools
- ■ Perennial – normally flowing

Check the method used to characterize the area downstream of the new diversion location.

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- ☐ Historical observation by adjacent landowners
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- ☐ Other, specify: _____

c. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the stream segments affected by the application and the area surrounding those stream segments.

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ENVIRONMENTAL INFORMATION

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1. New Appropriations of Water (Canadian, Red, Sulphur, and Cypress Creek Basins only) and Changes in Diversion Point(s)

Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),
Location: Diversion Reach White Oak Bayou 1, Downstream Boundary and Diversion Reach White Oak Bayou 2, Upstream Boundary

a. Identify the appropriate description of the water body.

- ■ Stream
- ☐ Reservoir

Average depth of the entire water body, in feet: _____

- ☐ Other, specify: _____

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

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For all bed and banks applications: Not Applicable

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Sulfate, mg/L					
Chloride, mg/L					
Total Dissolved Solids, mg/L					
pH, standard units					
Temperature*, degrees Celsius					

* Temperature must be measured onsite at the time the groundwater sample is collected.

b. If groundwater will be used, provide the depth of the well _____ and the name of the aquifer from which water is withdrawn _____.

WORKSHEET 5.0
ENVIRONMENTAL INFORMATION

This worksheet is required for new appropriations of water in the Canadian, Red, Sulphur, and Cypress Creek Basins. The worksheet is also required in all basins for: requests to change a diversion point, applications using an alternate source of water, and bed and banks applications. **Instructions, Page 28.**

1. New Appropriations of Water (Canadian, Red, Sulphur, and Cypress Creek Basins only) and Changes in Diversion Point(s)

Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),
Location: Diversion Reach White Oak Bayou 2, Downstream Boundary and Diversion Reach White Oak Bayou 3, Upstream Boundary

a. Identify the appropriate description of the water body.

- ■ Stream
- ☐ Reservoir

Average depth of the entire water body, in feet: _____

- ☐ Other, specify: _____

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

- ☐ Intermittent – dry for at least one week during most years
- ☐ Intermittent with Perennial Pools – enduring pools
- ■ Perennial – normally flowing

Check the method used to characterize the area downstream of the new diversion location.

- ■ USGS flow records
- ☐ Historical observation by adjacent landowners
- ☐ Personal observation
- ☐ Other, specify: _____

c. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the stream segments affected by the application and the area surrounding those stream segments.

☐ Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional

☐ Natural Area: trees and/or native vegetation common; some development evident (from fields, pastures, dwellings); water clarity discolored

☒ Common Setting: not offensive; developed but uncluttered; water may be colored or turbid

☐ Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

d. Waterbody Recreational Uses

Are there any known recreational uses of the stream segments affected by the application?

☐ Primary contact recreation (swimming or direct contact with water)

☐ Secondary contact recreation (fishing, canoeing, or limited contact with water)

☒ Non-contact recreation

Submit the following information in a Supplemental Attachment, labeled Addendum to Worksheet 5.0:

1. Photographs of the stream at the diversion point or dam location. Photographs should be in color and show the proposed point or reservoir and upstream and downstream views of the stream, including riparian vegetation along the banks. Include a description of each photograph and reference the photograph to the map submitted with the application indicating the location of the photograph and the direction of the shot.

2. Measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

3. If the application includes a proposed reservoir, also include:

    i. A brief description of the area that will be inundated by the reservoir.

    ii. If a United States Army Corps of Engineers (USACE) 404 permit is required, provide the project number and USACE project manager.

    iii. A description of how any impacts to wetland habitat, if any, will be mitigated if the reservoir is greater than 5,000 acre-feet.

2. Alternate Sources of Water and/or Bed and Banks Applications

For all bed and banks applications: Not Applicable

a. Indicate the measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

b. An assessment of the adequacy of the quantity and quality of flows remaining after the proposed diversion to meet instream uses and bay and estuary freshwater inflow requirements.

If the alternate source is treated return flows, provide the TPDES permit number_____

If groundwater is the alternate source, or groundwater or other surface water will be discharged into a watercourse provide:

a. Reasonably current water chemistry information including but not limited to the following parameters in the table below. Additional parameters may be requested if there is a specific water quality concern associated with the aquifer from which water is withdrawn. If data for onsite wells are unavailable; historical data collected from similar sized wells drawing water from the same aquifer may be provided. However, onsite data may still be required when it becomes available. Provide the well number or well identifier. Complete the information below for each well and provide the Well Number or identifier.

Parameter	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Sulfate, mg/L					
Chloride, mg/L					
Total Dissolved Solids, mg/L					
pH, standard units					
Temperature*, degrees Celsius					

* Temperature must be measured onsite at the time the groundwater sample is collected.

b. If groundwater will be used, provide the depth of the well _____ and the name of the aquifer from which water is withdrawn _____.

WORKSHEET 5.0
ENVIRONMENTAL INFORMATION

This worksheet is required for new appropriations of water in the Canadian, Red, Sulphur, and Cypress Creek Basins. The worksheet is also required in all basins for: requests to change a diversion point, applications using an alternate source of water, and bed and banks applications. **Instructions, Page 28.**

1. New Appropriations of Water (Canadian, Red, Sulphur, and Cypress Creek Basins only) and Changes in Diversion Point(s)

Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),
Location: Diversion Reach White Oak Bayou 3, Downstream Boundary

a. Identify the appropriate description of the water body.

- ■ Stream
- ☐ Reservoir

Average depth of the entire water body, in feet: _____

- ☐ Other, specify: _____

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

- ☐ Intermittent – dry for at least one week during most years
- ☐ Intermittent with Perennial Pools – enduring pools
- ■ Perennial – normally flowing

Check the method used to characterize the area downstream of the new diversion location.

- ■ USGS flow records
- ☐ Historical observation by adjacent landowners
- ☐ Personal observation
- ☐ Other, specify: _____

c. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the stream segments affected by the application and the area surrounding those stream segments.

☐ Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional

☐ Natural Area: trees and/or native vegetation common; some development evident (from fields, pastures, dwellings); water clarity discolored

☒ Common Setting: not offensive; developed but uncluttered; water may be colored or turbid

☐ Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

d. Waterbody Recreational Uses

Are there any known recreational uses of the stream segments affected by the application?

☐ Primary contact recreation (swimming or direct contact with water)

☐ Secondary contact recreation (fishing, canoeing, or limited contact with water)

☒ Non-contact recreation

Submit the following information in a Supplemental Attachment, labeled Addendum to Worksheet 5.0:

1. Photographs of the stream at the diversion point or dam location. Photographs should be in color and show the proposed point or reservoir and upstream and downstream views of the stream, including riparian vegetation along the banks. Include a description of each photograph and reference the photograph to the map submitted with the application indicating the location of the photograph and the direction of the shot.

2. Measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

3. If the application includes a proposed reservoir, also include:

    i. A brief description of the area that will be inundated by the reservoir.

    ii. If a United States Army Corps of Engineers (USACE) 404 permit is required, provide the project number and USACE project manager.

    iii. A description of how any impacts to wetland habitat, if any, will be mitigated if the reservoir is greater than 5,000 acre-feet.

2. Alternate Sources of Water and/or Bed and Banks Applications

For all bed and banks applications: Not Applicable

a. Indicate the measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on the new diversion structure).

b. An assessment of the adequacy of the quantity and quality of flows remaining after the proposed diversion to meet instream uses and bay and estuary freshwater inflow requirements.

If the alternate source is treated return flows, provide the TPDES permit number_____

If groundwater is the alternate source, or groundwater or other surface water will be discharged into a watercourse provide:

a. Reasonably current water chemistry information including but not limited to the following parameters in the table below. Additional parameters may be requested if there is a specific water quality concern associated with the aquifer from which water is withdrawn. If data for onsite wells are unavailable; historical data collected from similar sized wells drawing water from the same aquifer may be provided. However, onsite data may still be required when it becomes available. Provide the well number or well identifier. Complete the information below for each well and provide the Well Number or identifier.

Parameter	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Sulfate, mg/L					
Chloride, mg/L					
Total Dissolved Solids, mg/L					
pH, standard units					
Temperature*, degrees Celsius					

* Temperature must be measured onsite at the time the groundwater sample is collected.

b. If groundwater will be used, provide the depth of the well _____ and the name of the aquifer from which water is withdrawn _____.

WORKSHEET 6.0

Not Applicable

Water Conservation/Drought Contingency Plans

This form is intended to assist applicants in determining whether a Water Conservation Plan and/or Drought Contingency Plans is required and to specify the requirements for plans. **Instructions, Page 31.**

The TCEQ has developed guidance and model plans to help applicants prepare plans. Applicants may use the model plan with pertinent information filled in. For assistance submitting a plan call the Resource Protection Team (Water Conservation staff) at 512-239-4691, or e-mail wras@tceq.texas.gov. The model plans can also be downloaded from the TCEQ webpage. ***Please use the most up-to-date plan documents available on the webpage.***

1. Water Conservation Plans

a. The following applications must include a completed Water Conservation Plan (30 TAC § 295.9) for each use specified in 30 TAC, Chapter 288 (municipal, industrial or mining, agriculture – including irrigation, wholesale):

1. Request for a new appropriation or use of State Water.

2. Request to amend water right to increase appropriation of State Water.

3. Request to amend water right to extend a term.

4. Request to amend water right to change a place of use.
**does not apply to a request to expand irrigation acreage to adjacent tracts.*

5. Request to amend water right to change the purpose of use.
**applicant need only address new uses.*

6. Request for bed and banks under TWC § 11.042(c), when the source water is State Water
**including return flows, contract water, or other State Water.*

b. If Applicant is requesting any authorization in section (1)(a) above, indicate each use for which Applicant is submitting a Water Conservation Plan as an attachment:

1. _____Municipal Use. See 30 TAC § 288.2. **

2. _____Industrial or Mining Use. See 30 TAC § 288.3.

3. _____Agricultural Use, including irrigation. See 30 TAC § 288.4.

4. _____Wholesale Water Suppliers. See 30 TAC § 288.5. **

If Applicant is a water supplier, Applicant must also submit documentation of adoption of the plan. Documentation may include an ordinance, resolution, or tariff, etc. See 30 TAC §§ 288.2(a)(1)(J)(i) and 288.5(1)(H). Applicant has submitted such documentation with each water conservation plan? **Y / N

c. Water conservation plans submitted with an application must also include data and information which: supports applicant's proposed use with consideration of the plan's water conservation goals; evaluates conservation as an alternative to the proposed

appropriation; and evaluates any other feasible alternative to new water development. See 30 TAC § 288.7.
Applicant has included this information in each applicable plan? **Y / N**

2. Drought Contingency Plans

a. A drought contingency plan is also required for the following entities if Applicant is requesting any of the authorizations in section (1) (a) above – indicate each that applies:

1. _____Municipal Uses by public water suppliers. See 30 TAC § 288.20.

2. _____Irrigation Use/ Irrigation water suppliers. See 30 TAC § 288.21.

3. _____Wholesale Water Suppliers. See 30 TAC § 288.22.

b. If Applicant must submit a plan under section 2(a) above, Applicant has also submitted documentation of adoption of drought contingency plan (*ordinance, resolution, or tariff, etc. See 30 TAC § 288.30*) **Y / N**

WORKSHEET 7.0
ACCOUNTING PLAN INFORMATION WORKSHEET

The following information provides guidance on when an Accounting Plan may be required for certain applications and if so, what information should be provided. An accounting plan can either be very simple such as keeping records of gage flows, discharges, and diversions; or, more complex depending on the requests in the application. Contact the Surface Water Availability Team at 512-239-4691 for information about accounting plan requirements, if any, for your application. **Instructions, Page 34.**

1. Is Accounting Plan Required

Accounting Plans are generally required:

- For applications that request authorization to divert large amounts of water from a single point where multiple diversion rates, priority dates, and water rights can also divert from that point;
- For applications for new major water supply reservoirs;
- For applications that amend a water right where an accounting plan is already required, if the amendment would require changes to the accounting plan;
- For applications with complex environmental flow requirements;
- For applications with an alternate source of water where the water is conveyed and diverted; and
- For reuse applications.

2. Accounting Plan Requirements

a. A **text file** that includes:
   1. an introduction explaining the water rights and what they authorize;
   2. an explanation of the fields in the accounting plan spreadsheet including how they are calculated and the source of the data;
   3. for accounting plans that include multiple priority dates and authorizations, a section that discusses how water is accounted for by priority date and which water is subject to a priority call by whom; and
   4. Should provide a summary of all sources of water.

b. A **spreadsheet** that includes:
   1. Basic daily data such as diversions, deliveries, compliance with any instream flow requirements, return flows discharged and diverted and reservoir content;
   2. Method for accounting for inflows if needed;
   3. Reporting of all water use from all authorizations, both existing and proposed;
   4. An accounting for all sources of water;
   5. An accounting of water by priority date;
   6. For bed and banks applications, the accounting plan must track the discharged water from the point of delivery to the final point of diversion;
   7. Accounting for conveyance losses;
   8. Evaporation losses if the water will be stored in or transported through a reservoir. Include changes in evaporation losses and a method for measuring reservoir content resulting from the discharge of additional water into the reservoir;
   9. An accounting for spills of other water added to the reservoir; and
   10. Calculation of the amount of drawdown resulting from diversion by junior rights or diversions of other water discharged into and then stored in the reservoir.

WORKSHEET 8.0
CALCULATION OF FEES

This worksheet is for calculating required application fees. Applications are not Administratively Complete until all required fees are received. **Instructions, Page. 34**

1. NEW APPROPRIATION

	Description	Amount ($)
Filing Fee	Circle fee correlating to the total amount of water* requested for any new appropriation and/or impoundment. Amount should match total on Worksheet 1, Section 1. Enter corresponding fee under **Amount ($).** In Acre-Feet a. Less than 100 $100.00 b. 100 - 5,000 $250.00 c. 5,001 - 10,000 $500.00 d. 10,001 - 250,000 $1,000.00 e. More than 250,000 $2,000.00	
Recording Fee		$25.00
Agriculture Use Fee	*Only for those with an Irrigation Use.* Multiply 50¢ x _____ Number of acres that will be irrigated with State Water. **	
Use Fee	*Required for all Use Types, **excluding Irrigation Use**.* Multiply $1.00 x _____ Maximum annual diversion of State Water in acre-feet. **	
Recreational Storage Fee	*Only for those with Recreational Storage.* Multiply $1.00 x _____ acre-feet of in-place Recreational Use State Water to be stored at normal max operating level.	
Storage Fee	*Only for those with Storage, **excluding Recreational Storage.*** Multiply 50¢ x _____ acre-feet of State Water to be stored at normal max operating level.	
Mailed Notice	Cost of mailed notice to all water rights in the basin. Contact Staff to determine the amount (512) 239-4691.	
	TOTAL	$

2. AMENDMENT *OR* SEVER AND COMBINE

	Description	Amount ($)
Filing Fee	Amendment: $100	$100.00
	OR Sever and Combine: $100 x ___of water rights to combine	
Recording Fee		$12.50
Mailed Notice	Additional notice fee to be determined once application is submitted.	
	TOTAL INCLUDED	$ 112.50

3. BED AND BANKS

	Description	Amount ($)
Filing Fee		$100.00
Recording Fee		$12.50
Mailed Notice	Additional notice fee to be determined once application is submitted.	
	TOTAL INCLUDED	$

Addendum Regarding the State and Regional Water Plans.

See 2016 Regional Water Plan at Section 3.6.7, 5.4.1, 5.5.4, and Appendix 5-B-REUS-002-1 to 5-B-REUS-002-16.

Addendum to Worksheet 5.0

Map Number 1: Upstream Limit for Diversion Reach Brays Bayou #1 looking upstream.

Map Number 2: Upstream Limit for Diversion Reach Brays Bayou #1 looking downstream.

Map Number 3: Downstream Limit for Diversion Reach Brays Bayou #1 and Upstream Limit for Diversion Reach Brays Bayou #2 looking upstream.

Map Number 4: Downstream Limit for Diversion Reach Brays Bayou #1 and Upstream Limit for Diversion Reach Brays Bayou #2 looking downstream.

Map Number 5: Downstream Limit for Diversion Reach Brays Bayou #2 and Upstream Limit for Diversion Reach Brays Bayou #3 looking upstream.

Map Number 6: Downstream Limit for Diversion Reach Brays Bayou #2 and Upstream Limit for Diversion Reach Brays Bayou #3 looking downstream.

Map Number 7: Downstream Limit for Diversion Reach Brays Bayou #3 looking upstream.

Map Number 8: Downstream Limit for Diversion Reach Brays Bayou #3 looking downstream.

Map Number 9: Upstream Limit for Diversion Reach Greens Bayou #1 looking upstream.

Map Number 10: Upstream Limit for Diversion Reach Greens Bayou #1 looking downstream.

Map Number 11: Downstream Limit for Diversion Reach Greens Bayou #1 and Upstream Limit for Diversion Reach Greens Bayou #2 looking upstream.

Map Number 12: Downstream Limit for Diversion Reach Greens Bayou #1 and Upstream Limit for Diversion Reach Greens Bayou #2 looking downstream.

Map Number 13: Downstream Limit for Diversion Reach Greens Bayou #2 and Upstream Limit for Diversion Reach Greens Bayou #3 looking upstream.

Map Number 14: Downstream Limit for Diversion Reach Greens Bayou #2 and Upstream Limit for Diversion Reach Greens Bayou #3 looking downstream.

Map Number 15: Downstream Limit for Diversion Reach Greens Bayou #3 and Upstream Limit for Diversion Reach Greens Bayou #4 looking upstream.

Map Number 16: Downstream Limit for Diversion Reach Greens Bayou #3 and Upstream Limit for Diversion Reach Greens Bayou #4 looking downstream.

Map Number 17: Downstream Limit for Diversion Reach Greens Bayou #4 and Upstream Limit for Diversion Reach Greens Bayou #5 looking upstream.

Map Number 18: Downstream Limit for Diversion Reach Greens Bayou #4 and Upstream Limit for Diversion Reach Greens Bayou #5 looking downstream.

Map Number 19: Downstream Limit for Diversion Reach Greens Bayou #5 and Upstream Limit for Diversion Reach Greens Bayou #6 looking upstream.

Map Number 20: Downstream Limit for Diversion Reach Greens Bayou #5 and Upstream Limit for Diversion Reach Greens Bayou #6 looking downstream.

Map Number 21: Downstream Limit for Diversion Reach Greens Bayou #6 and Upstream Limit for Diversion Reach Greens Bayou #7 looking upstream.

Map Number 22: Downstream Limit for Diversion Reach Greens Bayou #6 and Upstream Limit for Diversion Reach Greens Bayou #7 looking downstream.

Map Number 23: Downstream Limit for Diversion Reach Greens Bayou #7 and Upstream Limit for Diversion Reach Greens Bayou #8 looking upstream.

Map Number 24: Downstream Limit for Diversion Reach Greens Bayou #7 and Upstream Limit for Diversion Reach Greens Bayou #8 looking downstream.

Map Number 25: Downstream Limit for Diversion Reach Greens Bayou #8 and Upstream Limit for Diversion Reach Greens Bayou #9 looking upstream.

Map Number 26: Downstream Limit for Diversion Reach Greens Bayou #8 and Upstream Limit for Diversion Reach Greens Bayou #9 looking downstream.

Map Number 27: Downstream Limit for Diversion Reach Greens Bayou #9 and Upstream Limit for Diversion Reach Greens Bayou #10 looking upstream.

Map Number 28: Downstream Limit for Diversion Reach Greens Bayou #9 and Upstream Limit for Diversion Reach Greens Bayou #10 looking downstream.

Map Number 29: Downstream Limit for Diversion Reach Greens Bayou #10 looking upstream.

Map Number 30: Downstream Limit for Diversion Reach Greens Bayou #10 looking downstream.

Map Number 31: Upstream Limit for Diversion Reach Hunting Bayou #1 looking upstream.

Map Number 32: Upstream Limit for Diversion Reach Hunting Bayou #1 looking downstream.

Map Number 33: Downstream Limit for Diversion Reach Hunting Bayou #1 looking upstream.

Map Number 34: Downstream Limit for Diversion Reach Hunting Bayou #1 looking downstream.

Map Number 35: Upstream Limit for Diversion Reach Sims Bayou #1 looking upstream.

Map Number 36: Upstream Limit for Diversion Reach Sims Bayou #1 looking downstream.

Map Number 37: Downstream Limit for Diversion Reach Sims Bayou #1 and Upstream Limit for Diversion Reach Sims Bayou #2 looking upstream.

Map Number 38: Downstream Limit for Diversion Reach Sims Bayou #1 and Upstream Limit for Diversion Reach Sims Bayou #2 looking downstream.

Map Number 39: Downstream Limit for Diversion Reach Sims Bayou #2 and Upstream Limit for Diversion Reach Sims Bayou #3 looking upstream.

Map Number 40: Downstream Limit for Diversion Reach Sims Bayou #2 and Upstream Limit for Diversion Reach Sims Bayou #3 looking downstream.

Map Number 41: Downstream Limit for Diversion Reach Sims Bayou #3 and Upstream Limit for Diversion Reach Sims Bayou #4 looking upstream.

Map Number 42: Downstream Limit for Diversion Reach Sims Bayou #3 and Upstream Limit for Diversion Reach Sims Bayou #4 looking downstream.

Map Number 43: Downstream Limit for Diversion Reach Sims Bayou #4 and Upstream Limit for Diversion Reach Sims Bayou #5 looking upstream.

Map Number 44: Downstream Limit for Diversion Reach Sims Bayou #4 and Upstream Limit for Diversion Reach Sims Bayou #5 looking downstream.

Map Number 45: Downstream Limit for Diversion Reach Sims Bayou #5 and Upstream Limit for Diversion Reach Sims Bayou #6 looking upstream.

Map Number 46: Downstream Limit for Diversion Reach Sims Bayou #5 and Upstream Limit for Diversion Reach Sims Bayou #6 looking downstream.

Map Number 47: Downstream Limit for Diversion Reach Sims Bayou #6 looking upstream.

Map Number 48: Downstream Limit for Diversion Reach Sims Bayou #6 looking downstream.

Map Number 49: Upstream Limit for Diversion Reach White Oak Bayou #1 looking upstream.

Map Number 50: Upstream Limit for Diversion Reach White Oak Bayou #1 looking downstream.

Map Number 51: Downstream Limit for Diversion Reach White Oak Bayou #1 and Upstream Limit for Diversion Reach White Oak Bayou #2 looking upstream.

Map Number 52: Downstream Limit for Diversion Reach White Oak Bayou #1 and Upstream Limit for Diversion Reach White Oak Bayou #2 looking downstream.

Map Number 53: Downstream Limit for Diversion Reach White Oak Bayou #2 and Upstream Limit for Diversion Reach White Oak Bayou #3 looking upstream picture 1.

Map Number 54: Downstream Limit for Diversion Reach White Oak Bayou #2 and Upstream Limit for Diversion Reach White Oak Bayou #3 looking upstream picture 2.

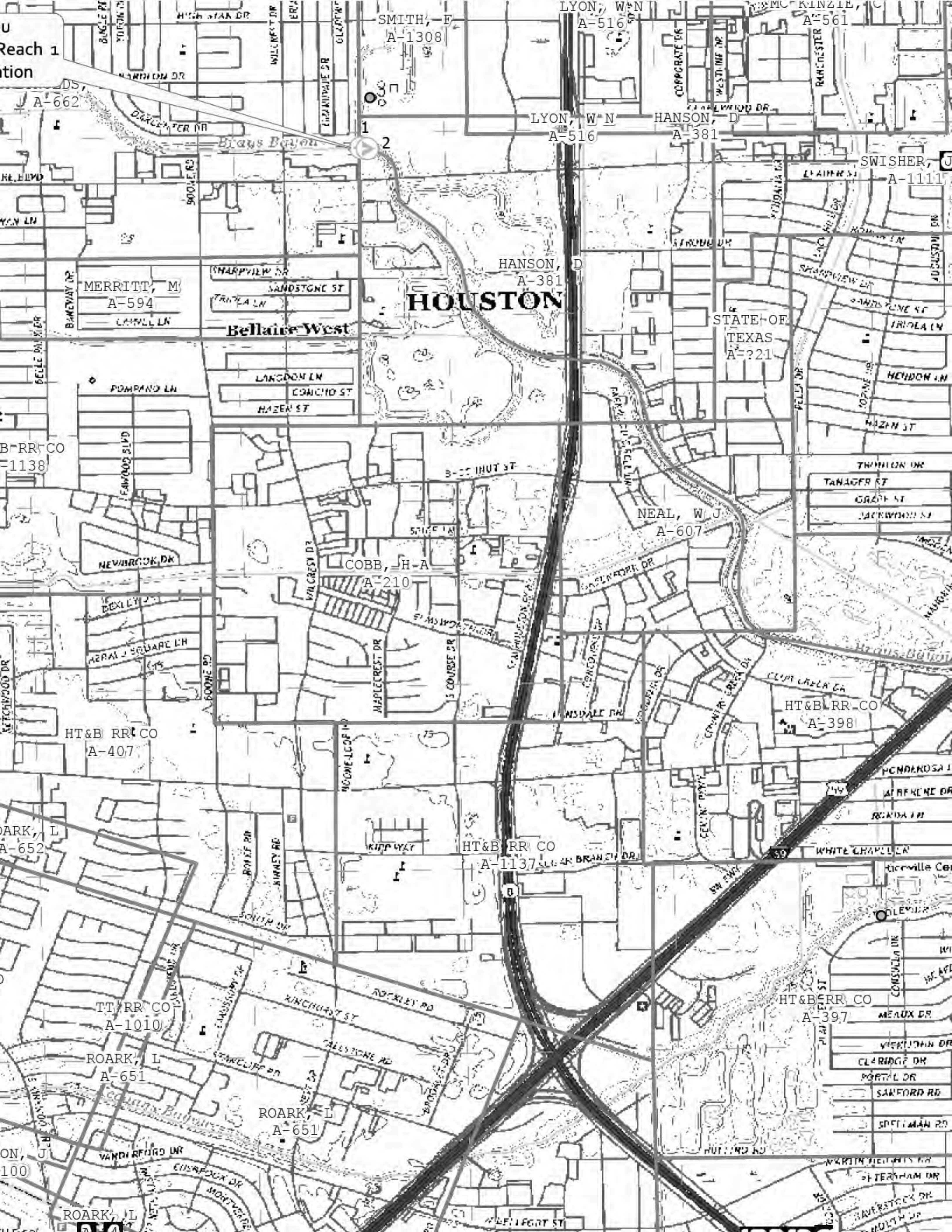
Map Number 55: Downstream Limit for Diversion Reach White Oak Bayou #2 and Upstream Limit for Diversion Reach White Oak Bayou #3 looking downstream.

Map Number 56: Downstream Limit for Diversion Reach White Oak Bayou #3 looking upstream.

Map Number 57: Downstream Limit for Diversion Reach White Oak Bayou #3 looking downstream.

Measures the applicant will take to avoid impingement and entrainment of aquatic organisms.

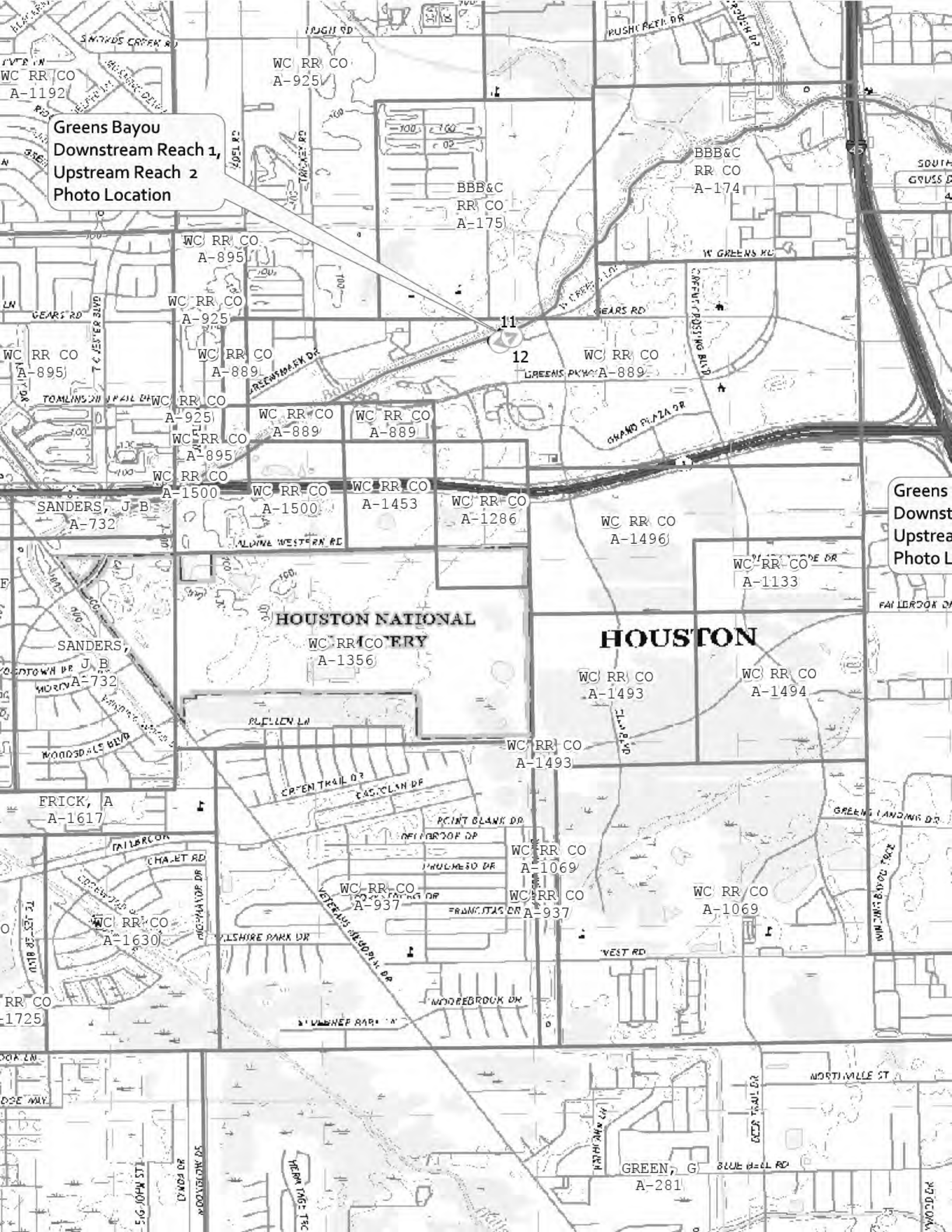
New diversion structures constructed within the requested diversion reaches will be designed and constructed with screens and low intake velocity intakes to avoid impingement and entrainment of aquatic organisims.


Reach 1
1
2
SMITH, F
A-1308
LYON, W N
A-516
MC KINZIE, C
A-561
LYON, W N
A-516
HANSON, D
A-381
SWISHER, J
A-1111
A-662
Braes Bayou
HANSON, D
A-381
HOUSTON
Bellaire West
MERRITT, M
A-594
STATE OF
TEXAS
NEAL, W J
A-607
COBB, H A
A-210
HT&B RR CO
A-398
HT&B RR CO
A-407
HT&B RR CO
A-1137
HT&B RR CO
A-397
TT RR CO
A-1010
ROARK, L
A-651
ROARK, L
A-651
ROARK, L
A-652
ROARK, L
SHARPVIEW DR
SANDSTONE ST
TRIOLA LN
LANGDON LN
CONCHO ST
HAZEN ST
POMPANO LN
NEWBROOK DR
HERALD SQUARE LN
VALCREST DR
MAPLECREST DR
KIPP WAY
SUGAR BRANCH DR
SOUTH DR
ROCKLEY RD
KINCHOURST ST
CLUB CREEK DR
COUNTRY CREEK DR
WHITE CHAPEL LN
PONDEROSA LN
RONDA LN
MEAUX DR
CLARIDGE DR
PORTAL DR
SANFORD RD
SPELLMAN RD
PETERSHAM DR
MARTIN HEIGHTS DR
THORNTON DR
TANAGER ST
GRAPE ST
JACKWOOD ST
HAZEN ST
HEIDON LN
TRIOLA LN


BELLAIRE
Southside Place
HOUSTON
Westwood Park
BELLAIRE BLVD
PITTSBURGH ST
CARNEGIE ST
CASON ST
W HOLCOMBE BLVD
BELLEFONTAINE ST
BLUE BONNET BLVD
UNDERWOOD ST
DUMBARTON ST
ABERDEEN WAY
DRUMMOND ST
DURNESS WAY
N BRAESWOOD BLVD
GLEN ARBOR DR
CONWAY ST
STANTON ST
FAIRHOPE ST
CASTLEWOOD ST
BROADMEAD DR
NORRIS DR
LINKWOOD DR
KIRBY DR
MENCE RD
OLEANDER ST
VERONE ST
BIRCH ST
PINE ST
VALERIE ST
HOLLY ST
HOLT ST
BALDWIN AVE
NEWCASTLE ST
MARTINSHIRE DR
LEESHIRE DR
NUSCHIRE DR
LATMA DR
SUN VALLEY DR
WOODVALLEY DR
WESTRIDGE
WESTRIDGE ST
BUFFALO SPEEDWAY
MAIN ST
S LOOP FWY
LINK VALLEY DR
W BELLFORT ST
STELLA LINK RD
OMEARA DR
INTERCHANGE DR
BENANA DR
WAYNESBORO DR
TONAWANDA DR
WAYCROSS ST
WILLOWBEND BLVD
CREEKBEND DR
STILLBROOKE DR
BRIARBEND DR
REDSTART ST
KINGLET ST
HUMMINGBIRD ST
KINGFISHER DR
SANFORD RD
BENNING DR
SPELLMAN RD
WARM SPRINGS RD
GREENWILLOW ST
CLIFFWOOD DR
W HOLMES RD
HOLMES RD
610
90
WHITE, D
A-878
WHITE, D
A-887
BBB&C
RR CO
A-173
BBB&C
RR CO
A-179
5
6

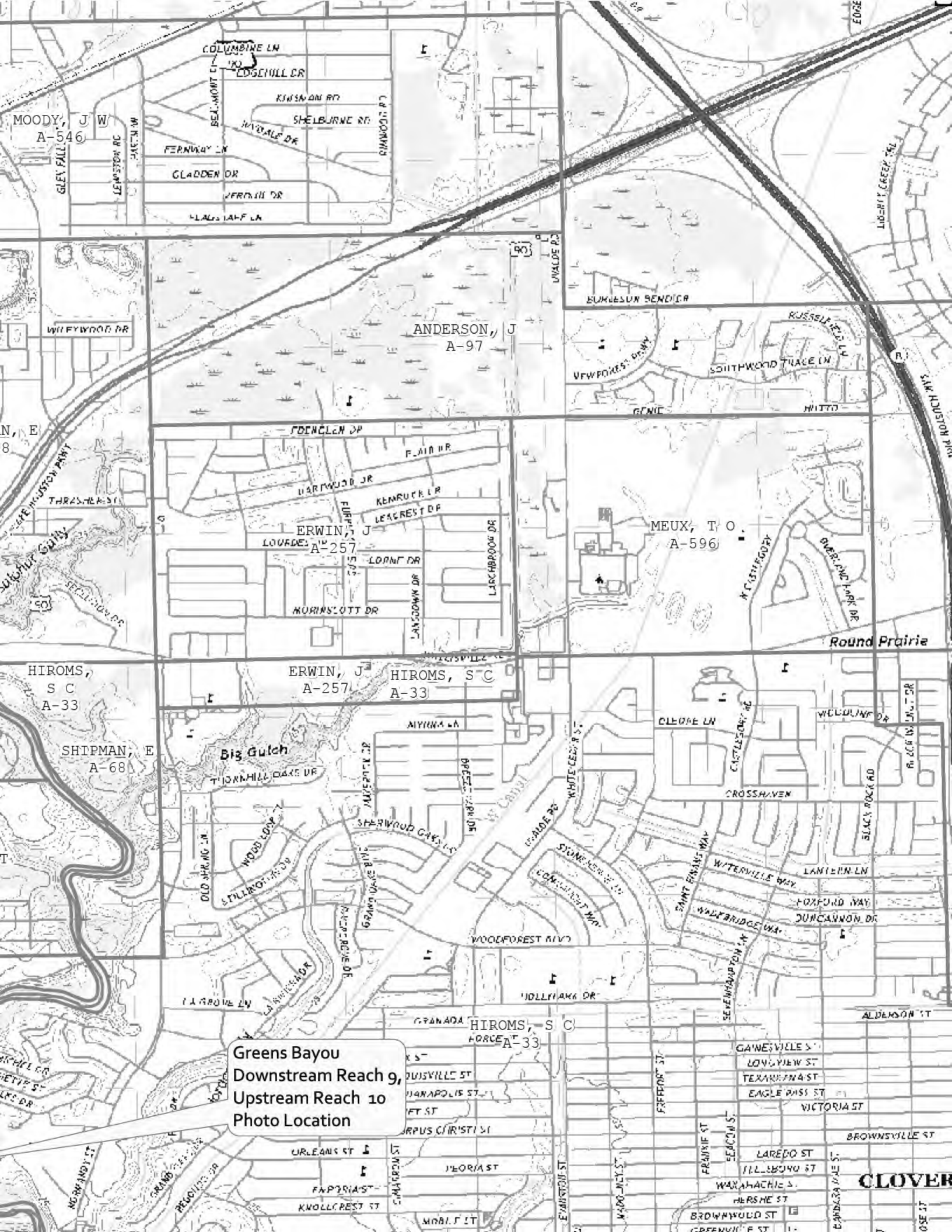

HOUSTON
Mayfair
Gulfcrest
Kuhlman Gully
BURROUGH, D H A-146
THOMAS, J A-762
PRENTISS, H B A-56
MOORE, L A-51
GOODRICH, C A-306
A-74
CARROLTON ST
PRODUCE ROW
BROCK ST
WHEELER ST
DICKENS RD
NASSAU RD
ERBY ST
PINEWAY BLVD
GLENMORE DR
INGLEWOOD BLVD
STUYVESANT LN
GRIGGS RD
GULF FWY
MYRTLE ST
FLOWERS ST
ILEX ST
JAPONICA ST
KERNEL ST
LINDEN ST
NARCISSUS ST
KEPLER ST
PALMETTO ST
REDWOOD ST
GARLAND ST
FLORAL ST
EVERGREEN DR
TELEPHONE RD
WINKLER DR
DUVAL ST
REAL ST
PECAN ST
ANTOINETTE ST
LOOP
WOODRIDGE DR
LONG DR
RIDGEMONT ST
FAIRWAY DR
THUROW ST
MCHENRY ST
SUNNYCREST ST
CLOVER RIDGE ST
BROOK LEA ST
CEDAR CREST ST
WINFREE DR
EPPES ST
JOPLIN ST
SOUTHCREST ST
SOUTHRIDGE ST
SOUTHMONT ST
SOUTHLEA ST
CHAFFIN ST
MEYER ST
KINNEY ST
GILLEN ST
RUPLEY CIR
MIDVALE ST
MOLINE ST
BUENA VISTA
DIXIE DR
EL RANCHO ST
OAK HILL DR
SOUTHMUND ST
SOUTHINGTON ST
SOUTHGOOD ST
SOUTHFORD ST
SOUTHTOWN ST
SOUTHSEAS ST
SOUTHWIND ST
JOYNER ST
CRESWOOD ST
HEFFERNAN ST
PLAINVIEW ST
LANCASTER ST
HARBROOK DR
LINDBERGH ST
LA PASEO ST
KINGSWAY DR
WESTOVER ST
STANWICK DR
BROCKLEY LN
LAKEHURST DR
SILSBEE
KIRKVILLE ST
DONOHO ST
HOGUE ST
LEDBETTER ST
WALTRIP ST
NUNN ST
MYKAWA RD
WAYSIDE DR
BELLFORT ST
ROXBURY RD
GLEN ROCK DR
HEMINGWAY DR
GLENHURST DR
WILLOW GLEN DR
RIDGEWAY DR
SOUTHBANK
S WAYSIDE DR
NORTHDALE ST
ELCE ST
THRUSH DR
HERON DR
HAYWOOD DR
CRESTVIEW ST
BELLARD ST
BELLAIRE ST
FLAMINGO DR
BULLFINCH ST
SWALLOW ST
MOUNT CARMEL ST
SIMS DR
JAMES ST
BELMARK ST
WESTOVER ST
BELNEATH ST
BELDART ST
VASSER RD
CRESSWELL ST
REED RD
HERON DR
ASHBURN ST
BRACE ST
PRENTISS DR
SOUTHBROOK DR
SANTA FE DR
CAYTON ST
VILLA DR
DILLON ST
EVANS ST
KOPMAN DR
OVERDALE ST

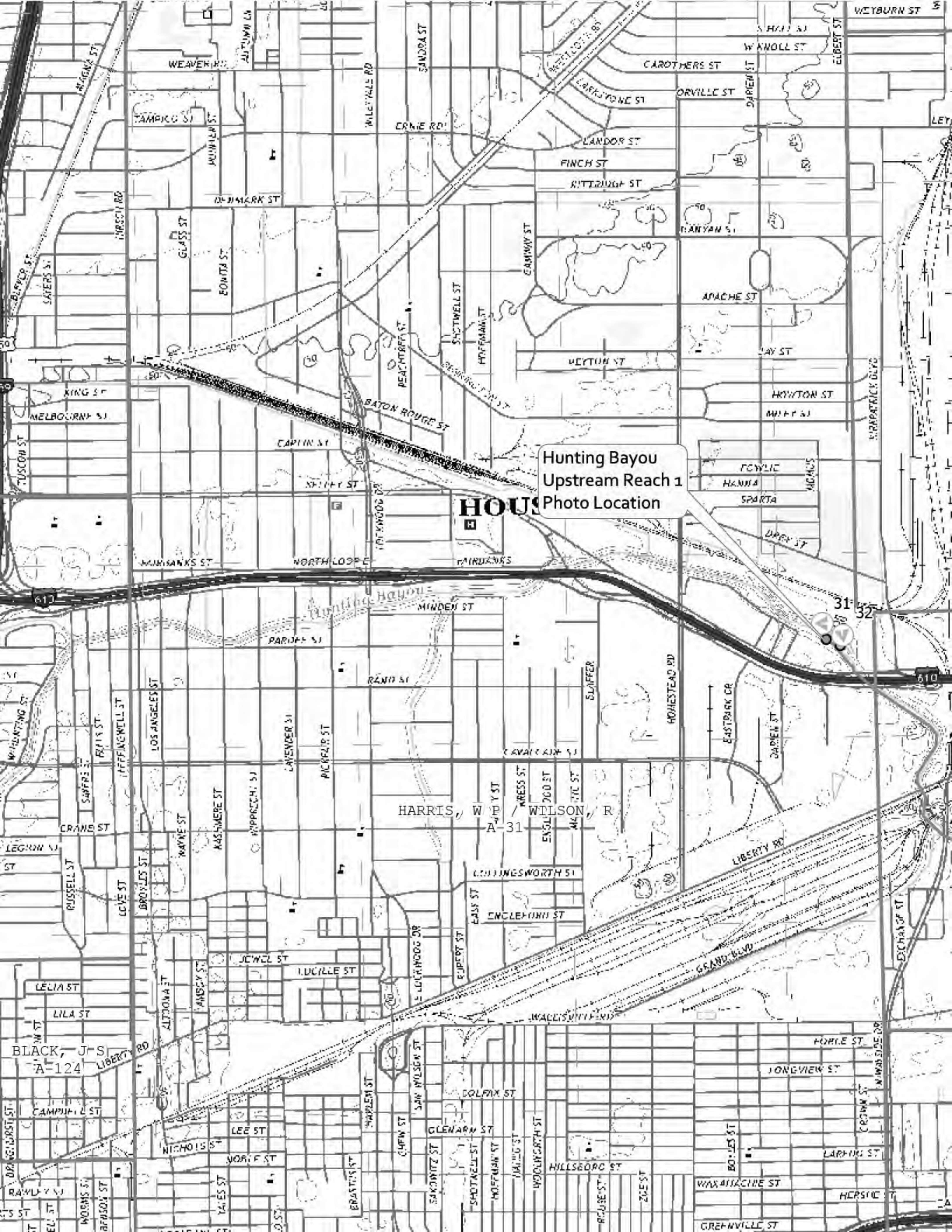

Greens Bayou
Upstream Reach 1
Photo Location
HOBERMAKER, S
A-331
CHILDRESS,
G W
A-217
YORK, W H
A-943
WATERS, W
A-851
WATERS, W
A-851
JAMES, M
A-486
YORK, W H
A-943
HARBOUR, E
A-367
JAMES, M
A-486
JAMES, M
A-486
WC RR CO
A-924
EATON, G W
A-251
COOPER, W
A-213
EGBERT, J D
A-246
FM 1960 RD W
MEADOW VISTA BLVD
SWEETBRUSH DR
WINDFERN RD
FALLBROOK DR
WILLOW CROSSING DR
GREEN VALLEY LN
WINDFERN RD
SOLON RD
FARRELL DR
SPRING PLACE DR
AUTUMNSONG DR
WAVING FIELDS DR
GOLDEN SUNSHINE DR
CRESCENT MOON DR
WHITE OAK BEND DR
PONY EXPRESS RD
HORSESHOE BEND DR
SPOTTED HORSE DR
TRADING POST DR
BIG BRANCH DR
OAKLAND DR
CORNETT DR
ROCKVILLE DR
FALCON RD
PERRY RD
BOBCAT RD
KERRINGTON RD


Greens Bayou
Downstream Reach 1,
Upstream Reach 2
Photo Location
11
12
HOUSTON NATIONAL
HOUSTON
WC RR CO
A-925
WC RR CO
A-1192
BBB&C
RR CO
A-175
BBB&C
RR CO
A-174
WC RR CO
A-895
WC RR CO
A-889
WC RR CO
A-1500
WC RR CO
A-1453
WC RR CO
A-1286
WC RR CO
A-1496
WC RR CO
A-1133
SANDERS, J B
A-732
WC RR CO
A-1356
WC RR CO
A-1493
WC RR CO
A-1494
FRICK, A
A-1617
WC RR CO
A-1069
WC RR CO
A-937
WC RR CO
A-1630
GREEN, G
A-281
W GREENS RD
GEARS RD
GREENS PKWY
GRAND PLAZA DR
ALDINE WESTERN RD
WOODSDALE BLVD
VETERANS MEMORIAL DR
NORTHVILLE ST
BLUE BELL RD


HOUSTON
WC RR CO A-893
LLOYD, W A-1408
LLOYD, W A-1407
WC RR CO A-1078
WC RR CO A-1649
MARSHALL, E F A-1316
WC RR CO A-1550
HE&WT
WC RR CO A-1482
UPSHAW, S W A-818
WC RR CO A-934
AVERY, W A-104
NORMANTS, T A-601
RITCHIE, W A-650
JOHNS, W A-485
Brookside Memorial Park
Kinwood
DURKEE, J E A-1394
KELLY, S A-728
LOCKWOOD, W R A-527
BROOKS, S A-157
DUNN, J A A-236
GREENS RD
HOWELL ST
MARTHA LN
ROBERTA LN
SHIRLEY LN
VELMA LN
EDWARD DR
SEYMOUR DR
HOMESTEAD RD
19
20
Greens Bayou
Downstream Reach 5,
Upstream Reach 6
Photo Location


SUMMER LAKE RANCH
BRONCROFT CT
BRIDLESPRING LN
WINDING MANOR DR
VOXHILL POINTE DR
GREENWOOD LAKES LN
HUNTERS LAKE WAY
BLANCO, V
A-2
50


MOODY, J W
A-546
ANDERSON, J
A-97
ERWIN, J
A-257
MEUX, T O
A-596
HIROMS, S C
A-33
SHIPMAN, E
A-68
Big Gulch
Round Prairie
Greens Bayou
Downstream Reach 9,
Upstream Reach 10
Photo Location


Hunting Bayou
Upstream Reach 1
Photo Location
HOUS
HARRIS, W P / WILSON, R
A-31
BLACK, J S
A-124
31
32
Hunting Bayou
NORTH LOOP E
610
LIBERTY RD
GRAND BLVD
WEYBURN ST
W KNOLL ST
CAROTHERS ST
ORVILLE ST
ELBERT ST
DARIEN ST
CROWLEY RD
LANDOR ST
FINCH ST
KITTRIDGE ST
DENMARK ST
TAMPICO ST
WEAVER RD
SANDRA ST
APACHE ST
PEYTON ST
HOUSTON ST
KING ST
MELBOURNE ST
BATON ROUGE ST
CAPLIN ST
FAIRBANKS ST
MINDEN ST
PARDEE ST
RAND ST
CAVALCADE ST
HOMESTEAD RD
EASTPARK DR
KIRKPATRICK BLVD
LOCKWOOD DR
CRANE ST
RUSSELL ST
LOVE ST
BROYLES ST
LOS ANGELES ST
COLLINGSWORTH ST
ENGLEWOOD ST
JEWEL ST
LUCILLE ST
LELIA ST
LILA ST
EXCHANGE ST
FOBLE ST
LONGVIEW ST
COLFAX ST
GLENARM ST
LEE ST
NICHOLS ST
NOBLE ST
HILLSBORO ST
WAXAHACHIE ST
HERSHE ST
LAREDO ST
GREENVILLE ST
CAMPBELL ST
HARLEM ST
CHEW ST
SAN JACINTO ST
SHOTWELL ST
HOFFMAN ST
ERASTUS ST
YALES ST
WORMS ST
BONITA ST
GLASS ST
CANWAY ST
PEACHTREE ST
SPARTA
HANNA
DREW ST
LAVENDER ST
PICKFAIR ST
KASHMERE ST
WAYNE ST
SLAFFER
BOLIES ST


SEYMORE, J
A-698
MEUX, T O
A-595
HT&B RR CO
A-1105
WALTON, HILL &
WALTON
A-1052
HT&B
RR CO
A-1105
DL&C CO
A-1025
HT&B RR CO
A-394
WALTON, HILL
& WALTON
A-1052
HT&B
RR CO
A-394
GAULT, T
225
EAGLE AVE
BROADWAY AVE
BERNARD ST
PARK LN
RICHARD AVE
GLENN AVE
JACKSON AVE
JOHNSON ST
CENTER ST
RANDALL ST
THOMAS AVE
ELM AVE
WAFER ST
WITTER ST
HARRIS AVE
SCOTT ST
ALVIN ST
LAWRENCE AVE
STRATFORD AVE
COLEMAN ST
INGERSOL AVE
TILDEN DR
BEARLE ST
MARSHALL ST
ALASTAIR DR
DELTA ST
NORMAN ST
RAYMOND ST
CAMILLE ST
BROWN DR
WINDSOR LN
MCMAY DR
NORTH AVE
RED BLUFF RD
CARTER ST
EARL ST
FERN ST
HAYS ST
ALBEMARLE DR
DEEPWATER
SOUTH ST
CHESTERSHIRE DR
DARTMOUTH DR
EDMONTON DR
FLAMBOROUGH DR
YORKSHIRE AVE
THORNWOOD DR
CEDARCREST DR
LONGWOOD DR
PRAIRIE AVE
REDFIELD DR
JENKINS RD
EAST HAVEN DR
PASADENA BLVD
DAVIS ST
ANN
SPOONER ST
SOUTHMORE AVE
BLAKE AVE
MARTEN AVE
E MARTHA LN
BURKE RD
HEIGHTS ST
STARKEY ST
PRESTON ST
SAN AUGUSTINE AVE
CURTIS AVE
HOUSTON AVE
AUSTIN AVE
BEUSCHER
JANE DR
JESSIE LN
EFFIE LN
DUELLA LN
LAVONIA LN
AUSTIN
MAGNOLIA DR
JASMINE DR
HARDING ST
BUCHANAN ST
WILMA LOIS AVE
TRIMM AVE
VALERIE AVE
ARMOR AVE
HECTOR AVE
PAULINE AVE
GARY AVE
MERLE ST
BASKET ST
LAFFERTY RD
STRAWBERRY RD
RASPBERRY LN
DALLAS ST
CHERRY LN
WALNUT LN
CHERRYBROOK LN
HUCKLEBERRY LN
BLUEBERRY LN
DEWBERRY LN
EVERGLADE DR
FRESA RD
CAMDEN RD
S FISHER CT
S MEMORIAL CT
S PALM CT
HEARNE DR
WICHITA ST
VICLET ST
PINE AVE
OAK AVE
SYCAMORE AVE
PRIMROSE DR
CARKEY DR
BURKE RD
SHAVER ST
BERTLOMA ST
KALMER ST
WEITS DR
SPENCER HWY
BAYSHORE BLVD
MEDICAL DR
TULIP ST
PRESTON AVE
LILY ST
DAISY ST
CREPE MYRTLE LN
VISTA RD
PAMPA ST
LLANO ST
CADENA DR
SALVADOR ST
PRESTON RD
S SHAVER ST


LEVERING, H
A-520
HAYNIE, S G
A-362
HAYNIE, S G
A-212
SOUTH DR
WEST DR
FM 2239
FM 2334 E
PRESTON
EVENING WIND DR
ARCADIA PARK DR
SHADOW RIDGE LN
W BROADWAY ST
SOUTHERN MANOR DR
SOUTHERN VALLEY DR
KENTUCKY RD
LINDEN ST
WILLOW ST
W DALLAS ST
E DALLAS RD
MAIN ST
GALVESTON
PALMETTO ST
JASMINE ST
E PALM ST
CO RD 52
CO RD 825
Flying B Airport

HENSON, D
A-328
MORTON, W P
A-539
REINERMANN, H
A-644
REINERMANN, J
53
54
55
LATEXO DR
VIKING DR
CANDLELIGHT LN
CURTIN ST
CHAMBOARD LN
W 43RD ST
LIBBEY DR
CHESHIRE LN
GARDENIA DR
WAKEFIELD DR
CHIPPENDALE RD
EBONY LN
DU BARRY LN
FISHER ST
W 34TH ST
W 31ST ST
STONECREST DR
BRON HOLLY DR
MARLBOROUGH DR
SHERWOOD LN
BROOKWOODS DR
ASCOT LN
VOLLMER RD
W 26TH ST
W 25TH ST
W 22ND ST
W 18TH ST
WILLOWBY DR
HAVERHILL DR
BROOKMERE
W 14TH ST
GROVEWOOD LN
WISTER LN
W 11TH ST
SEAMIST DR
OLD KATY RD
KATY RD
EUREKA RD
KANSAS ST
DARLING ST
LARKIN ST
WASHINGTON AVE
SHERWIN ST
610
290
10