

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
DOMESTIC WASTEWATER PERMIT APPLICATION
FOR A
TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT**

FOR

LOCKHART LANDING WASTEWATER TREATMENT PLANT

APRIL 2022

PREPARED FOR

**GREENWODD VENTURES GROUP, LLC
101 PARKLANE BOULEVARD, SUITE 102
SUGAR LAND, TEXAS 77478**

Prepared by

**LJA Engineering, Inc.
7500 RIALTO BLVD
BUILDING II, SUITE 100
Austin, Texas 78735
(512) 439-4700**



4/13/2022

Your transaction is complete. Thank you for using TCEQ ePay.

Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt and the vouchers for your records. An email receipt has also been sent.

Transaction Information

Trace Number: 582EA000487918
Date: 04/13/2022 01:22 PM
Payment Method: CC - Authorization 0000013637
ePay Actor: LAUREN CRONE
Actor Email: lcrone@lja.com
IP: 170.55.94.226
TCEQ Amount: \$1,650.00
Texas.gov Price: \$1,687.38*

* This service is provided by Texas.gov, the official website of Texas. The price of this service includes funds that support the ongoing operations and enhancements of Texas.gov, which is provided by a third party in partnership with the State.

Payment Contact Information

Name: JOHN CLARK
Company: LJA ENGINEERING INC
Address: 3600 W SAM HOUSTON PKWY S, HOUSTON, TX 77042
Phone: 512-439-4700

Cart Items

Click on the voucher number to see the voucher details.

Voucher	Fee Description	AR Number	Amount
573287	WW PERMIT - FACILITY WITH FLOW >= .50 & < 1.0 MGD - NEW AND MAJOR AMENDMENTS		\$1,600.00
573288	30 TAC 305.53B WQ NOTIFICATION FEE		\$50.00
TCEQ Amount:			\$1,650.00

[ePay Again](#) [Exit ePay](#)

Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt for your records.

May 25, 2022

Leah Whallon
Applications Review and Processing Team
Water Quality Division – TCEQ, MC 148
12100 Park 35 Circle
Austin, Texas 78753

Re: Lockhart Landing WWTP
Proposed by Greenwood Ventures Group LLC
Application No. WQ0016148001
LJA Project No. A474

Dear Ms. Whallon:

Please find the responses related to the permit application for Lockhart Landing WWTP received May 20, 2022 below.

1. Section II, Item no. 17 of the Core Data Form. Please provide an email address for the customer.

Response: Please see the updated Core Data Form.

2. Section III, Item no. 25 of the Core Data Form. Please provide a revised physical description that uses an accurate distance from the nearest intersection. The location of the coordinates listed for the facility location is approximately 1.87 miles southwest of the intersection of County Road 214 and US Hwy 183.

Response: Please see the updated Core Data Form.

3. Section III, Item no. 26 of the Core Data Form. Please revise the nearest ZIP code to the facility. The proposed facility location is within zip code 78644.

Response: Please see the updated Core Data Form.

4. Section 6 of Administrative Report 1.0. Please provide an email address for the billing contact.

Response: An email address has been provided in Section 6.

5. Section 10, Item A of Administrative Report 1.0. Please revise the proposed facility location description as discussed in no. 2 of this letter.

Response: The location has been updated in Section 10.

6. Section 14 of the Administrative Report. Please provide an original wet-ink signature.

Response: The wet-ink signature has been added to Section 14.

7. Section 1, Item A of Administrative Report 1.1. Affected Landowner Information. Please provide a revised landowners map that includes the point of discharge and highlighted discharge route for one mile downstream.

Response: The discharge route has been added to the Affected Landowner map.

8. Section 1, Item B of Administrative Report 1.1. Affected Landowner Information. Please provide the separate cross-referenced landowners list with the landowner names and mailing addresses.

Response: A separate affected landowner list has been included with this update.

9. Section 1, Item C of Administrative Report 1.1 Affected Landowner Information. No mailing labels were found with the application. Please provide either four copies of mailing labels or a Microsoft Word document containing the landowners list formatted for mailing labels.

Response: Four copies of address labels are included in this update.

10. Supplemental Permit Information Form (SPIF) Item no. 1. Please revise the proposed facility location description as discussed in no. 2 of this letter.

Response: The facility location included on the SPIF has been updated.

11. The following is a portion of the Notice of Receipt of Application and Intent to Obtain a Water Quality Permit (NORI) which contains information relevant to your application. Please read it carefully and indicate if it contains any errors or omissions. The complete notice 3illl be sent to you once the application is declared administratively complete.

Response: No errors were found in the NORI.

12. Section 8, Item E No. 5 of Administrative Report 1.0 indicates that public notices in Spanish are required. After confirming the portion of the NORI contained in this letter does not contain any errors or omissions, please use the attached template to translate the NORI into Spanish. Only the

Response: The Spanish NORI is attached.

13. Please see the attached Plain Language Summary (PLS) Template to provide a plain language summary in English. Please provide in a Microsoft Word document.

Response: A print of the English PLS is included with this update. The Word document will be emailed separately.

14. Please use the attached PLS Spanish template to translate the plain language summary into Spanish. Please provide the translated Spanish PLS in a Microsoft Word document.

Response: A print of the Spanish PLS is included with this update. The Word document will be emailed separately.

Should you have any questions or need any additional information, please do not hesitate to call.

Sincerely,



Lauren Crone, P.E.



Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Toby Baker, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 20, 2022

Mr. Daniel Ryan, P.E.
LJA Engineering, Inc.
7500 Rialto Boulevard, Suite 100
Austin, Texas 78735

VIA EMAIL

Re: Application to Obtain Permit No. WQ0016148001
Proposed by Greenwood Ventures Group LLC
CN606011039, RN111484846

Dear Mr. Ryan:

We have received the application for the above referenced permit, and it is currently under review. Your attention to the following items is requested before we can declare the application administratively complete. Please submit one original and two copies (including a cover letter) of the complete response.

1. Section II, Item no. 17 of the Core Data Form
Please provide an email address for the customer.
2. Section III, Item no. 25 of the Core Data Form
Please provide a revised physical location description that uses an accurate distance from the nearest intersection. The location of the coordinates listed for the facility location is approximately 1.87 miles southwest of the intersection of County Road 214 and U.S. Highway 183.
3. Section III, Item no. 26 of the Core Data Form
Please revise the nearest ZIP code to the facility. The proposed facility location is within ZIP code 78644.
4. Section 6 of Administrative Report 1.0
Please provide an email address for the billing contact.
5. Section 10, Item, Item A of Administrative Report 1.0
Please revise the proposed facility location description as discussed in no. 2 of this letter.
6. Section 14 of Administrative Report 1.0
Please provide an original wet-ink signature page.
7. Section 1, Item A of Administrative Report 1.1 Affected Landowner Information
Please provide a revised landowners map that includes the point of discharge and highlighted discharge route for one mile downstream.

8. Section 1, Item B of Administrative Report 1.1 Affected Landowner Information
Please provide the separate cross-referenced landowners list with the landowner names and mailing addresses.
9. Section 1, Item C of Administrative Report 1.1 Affected Landowner Information
No mailing labels were found with the application. Please provide either four copies of mailing labels or a Microsoft Word document containing the landowners list formatted for mailing labels.
10. Supplemental Permit Information Form (SPIF), Item no. 1
Please revise the proposed facility location description as discussed in no. 2 of this letter.
11. The following is a portion of the Notice of Receipt of Application and Intent to Obtain a Water Quality Permit (NORI) which contains information relevant to your application. Please read it carefully and indicate if it contains any errors or omissions. The complete notice will be sent to you once the application is declared administratively complete.

APPLICATION. Greenwood Ventures Group LLC, 101 Parklane Boulevard, Suite 102, Sugar Land, Texas 77478, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016148001 (EPA I.D. No. TX0142794) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 975,000 gallons per day. The domestic wastewater treatment facility will be located approximately 1.87 miles southwest of County Road 214 and U.S. Highway 183, in Caldwell County, Texas 78644 (**pending response**). The discharge route will be from the plant site to an unnamed tributary; thence to West Fork Plum Creek; thence to Plum Creek. TCEQ received this application on April 20, 2022. The permit application is available for viewing and copying at Lockhart City Hall, 308 West San Antonio Street, Lockhart, Texas. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.

<https://tceq.maps.arcgis.com/apps/webappviewer/index.html?id=db5bac44afbc468bbdd360f8168250f&marker=-97.700833%2C29.796111&level=12>

Further information may also be obtained from Greenwood Ventures Group LLC at the address stated above or by calling Mr. Daniel Ryan, P.E., LJA Engineering, Inc., at 512-439-4700.

New rule requirements under Title 30 Texas Administrative Code (TAC) Chapter 39 relating to public notices have been implemented. The deficiencies listed below are new items that need to be provided to meet the alternative language requirements.

12. Section 8, Item E, No. 5 of Administrative Report 1.0 indicates that public notices in Spanish are required. After confirming the portion of the NORI contained in this letter does not contain any errors or omissions, please use the attached template to translate the NORI into Spanish. Only the first and last paragraphs are unique to this application and require translation. Please provide the translated Spanish NORI in a Microsoft Word document.
13. Please use the attached Plain Language Summary (PLS) Template to provide a plain language summary in English. Please provide the PLS in a Microsoft Word document.

Mr. Daniel Ryan, P.E.
Page 3
May 20, 2022
Permit No. WQ0016148001

14. Section 8, Item E, No. 5 of Administrative Report 1.0 indicates that public notices in Spanish are required. Please use the attached PLS Spanish template to translate the plain language summary into Spanish. Please provide the translated Spanish PLS in a Microsoft Word document.

Please submit the complete response, addressed to my attention by June 3, 2022. If you should have any questions, please do not hesitate to call me at (512) 239-0084.

Sincerely,



Leah Whallon
Application Review and Processing Team (MC 148)
Water Quality Division
Texas Commission on Environmental Quality

Enclosures:

Attachment 1 - Municipal Discharge New Spanish NORI
Attachment 2 - Municipal TPDES and TLAP PLS Form
Attachment 3 - Municipal TPDES and TLAP PLS Form (Spanish)



TCEQ Use Only

TCEQ Core Data Form

For detailed instructions regarding completion of this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input type="checkbox"/> Other
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN		RN

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)	
<input type="checkbox"/> New Customer		<input type="checkbox"/> Update to Customer Information	
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)		<input type="checkbox"/> Change in Regulated Entity Ownership	
The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).			
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)		If new Customer, enter previous Customer below:	
Greenwood Ventures Group, LLC			
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
0804426250	32083011356		
11. Type of Customer:		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
<input type="checkbox"/> Corporation		<input type="checkbox"/> Individual	
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship	
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)		<input checked="" type="checkbox"/> Other: Limited Liability Company	
12. Number of Employees		13. Independently Owned and Operated?	
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following			
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator			
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> Voluntary Cleanup Applicant <input type="checkbox"/> Other:			
15. Mailing Address:			
211 E 7 th St. Ste. 620			
City	Austin	State	TX
ZIP	78701	ZIP + 4	
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
		mark@ashtongreydev.com	
18. Telephone Number		19. Extension or Code	
(713) 875-0009			
		20. Fax Number (if applicable)	
		() -	

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected below this form should be accompanied by a permit application)	
<input checked="" type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information	
The Regulated Entity Name submitted may be updated in order to meet TCEQ Agency Data Standards (removal of organizational endings such as Inc, LP, or LLC).	
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)	
Lockhart Landing Wastewater Treatment Plant	

23. Street Address of the Regulated Entity: <i>(No PO Boxes)</i>							
	City		State		ZIP		ZIP + 4
24. County	Caldwell County						

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:	The property is approximately 1.87 miles southwest of the intersection of Hwy 183 and County Road 214 in Caldwell County, Texas.						
26. Nearest City	Lockhart			State	TX	Nearest ZIP Code	78644
27. Latitude (N) In Decimal:	29.796248		28. Longitude (W) In Decimal:	-97.700731			
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds		
29	47	46.49	-97	42	2.63		
29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)	31. Primary NAICS Code (5 or 6 digits)	32. Secondary NAICS Code (5 or 6 digits)				
4952		22132					
33. What is the Primary Business of this entity? <i>(Do not repeat the SIC or NAICS description.)</i>							
To treat and dispose of domestic wastewater from the proposed subdivision.							
34. Mailing Address:	211 E 7 th St. Ste. 620						
	City	Austin	State	TX	ZIP	78701	ZIP + 4
35. E-Mail Address:							
36. Telephone Number	37. Extension or Code	38. Fax Number <i>(if applicable)</i>					
(713) 875-9		() -					

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.


<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Waste Water	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name:	Daniel Ryan, P.E.	41. Title:	Vice President
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(512) 439-4700		() -	dryan@lja.com

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	Greenwood Ventures Group, LLC	Job Title:	Manager
Name <i>(In Print)</i> :	Shaun Vembutty	Phone:	(713) 875- 0009
Signature:		Date:	4-13-22

First and Last Name: Daniel Ryan

Credential (P.E, P.G., Ph.D., etc.): P.E.

Title: Vice President

Organization Name: LJA Engineering, Inc.

Mailing Address: 7500 Rialto Blvd. Building II. Suite 100

City, State, Zip Code: Austin, TX 78735

Phone No.: 512-439-4700 Ext.:

Fax No.:

E-mail Address: dryan@lja.com

B. Prefix (Mr., Ms., Miss): Ms.

First and Last Name: Lauren Crone

Credential (P.E, P.G., Ph.D., etc.): P.E.

Title: Project Manager

Organization Name: LJA Engineering, Inc.

Mailing Address: 7500 Rialto Blvd., Building II, Suite 100

City, State, Zip Code: Austin, TX 78735

Phone No.: 512-439-4700 Ext.:

Fax No.:

E-mail Address: lcrone@lja.com

Section 6. Billing Information (Instructions Page 30)

The permittee is responsible for paying the annual fee. The annual fee will be assessed to permits *in effect on September 1 of each year*. The TCEQ will send a bill to the address provided in this section. The permittee is responsible for terminating the permit when it is no longer needed (using form TCEQ-20029).

Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Shaun Vembutty

Credential (P.E, P.G., Ph.D., etc.):

Title: Manager

Organization Name: Greenwood Ventures Group, LLC

Mailing Address: 101 Parklane Boulevard, Suite 102

City, State, Zip Code: Sugar Land, Texas 77478

Phone No.: 281-221-2699 Ext.:

Fax No.:

E-mail Address: mark@ashtongreydev.com

Section 7. DMR/MER Contact Information (Instructions Page 31)

Provide the name and complete mailing address of the person delegated to receive and submit Discharge Monitoring Reports (EPA 3320-1) or maintain Monthly Effluent Reports.

F. Owner of sewage sludge disposal site (if authorization is requested for sludge disposal on property owned or controlled by the applicant):

Prefix (Mr., Ms., Miss):

First and Last Name:

Mailing Address:

City, State, Zip Code:

Phone No.: E-mail Address:

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment:

Section 10. TPDES Discharge Information (Instructions Page 34)

A. Is the wastewater treatment facility location in the existing permit accurate?

- Yes No

If **no**, or a **new permit application**, please give an accurate description:

New Permit: The proposed WWTP is located approximately 1.87 miles Southwest of the intersection of Hwy 183 and County Road 214 in Caldwell County, Texas.

B. Are the point(s) of discharge and the discharge route(s) in the existing permit correct?

- Yes No

If **no**, or a **new or amendment permit application**, provide an accurate description of the point of discharge and the discharge route to the nearest classified segment as defined in 30 TAC Chapter 307:

New Permit: From the proposed treatment plant, effluent will be discharged into an onsite pond which is conveyed to West Fort Plum Creek. West Fort Plum Creek then flows to the South to a junction with Plum Creek (Segment 1810), which then connects to the San Marcos River (Segment 1808) at the Caldwell/Gonzales County Line.

City nearest the outfall(s): Lockhart

County in which the outfalls(s) is/are located: Caldwell

Outfall Latitude: 29.796248 Longitude: -97.700731

C. Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?

- Yes No

If **yes**, indicate by a check mark if:

- Authorization granted Authorization pending

For **new and amendment** applications, provide copies of letters that show proof of contact and the approval letter upon receipt.

Section 14. Signature Page (Instructions Page 39)

If co-applicants are necessary, each entity must submit an original, separate signature page.

Permit Number: [REDACTED]

Applicant: Greenwood Ventures Group, LLC

Certification:

I 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 30 Texas Administrative Code § 305.44 to sign and submit this document, and can provide documentation in proof of such authorization upon request.

Signatory name (typed or printed): Shaun Vembutty

Signatory title: Manager

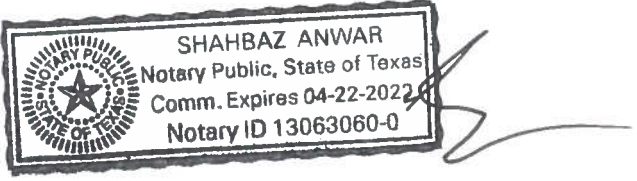
Signature:  Date: 4-13-22
(Use blue ink)

Subscribed and Sworn to before me by the said Sudharchan Vembutty
on this 13th day of April, 20 22
My commission expires on the 22nd day of April, 20 22


Notary Public

[SEAL]

Fort Bend
County, Texas



Section 14. Laboratory Accreditation (Instructions Page 64)

All laboratory tests performed must meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification*, which includes the following general exemptions from National Environmental Laboratory Accreditation Program (NELAP) certification requirements:

- The laboratory is an in-house laboratory and is:
 - periodically inspected by the TCEQ; or
 - located in another state and is accredited or inspected by that state; or
 - performing work for another company with a unit located in the same site; or
 - performing pro bono work for a governmental agency or charitable organization.
- The laboratory is accredited under federal law.
- The data are needed for emergency-response activities, and a laboratory accredited under the Texas Laboratory Accreditation Program is not available.
- The laboratory supplies data for which the TCEQ does not offer accreditation.

The applicant should review *30 TAC Chapter 25* for specific requirements.

The following certification statement shall be signed and submitted with every application. See the *Signature Page* section in the Instructions, for a list of designated representatives who may sign the certification.

CERTIFICATION:

I certify that all laboratory tests submitted with this application meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification*.

Printed Name: Shaun Vembutty

Title: Manager

Signature: _____

Date: 4-13-22

Map Number	Property ID Number	Landowner Name	Landowner Address (1)	Landowner Address (2)
1	32245, 37983	LINSEY LARRY J	1635 WESTWOOD RD	LOCKHART TX 78644
2	37270, 73801, 13380, 120627	MCMINN WILLIAM CORY	1114 WESTWOOD RD	LOCKHART TX 78644
3	43939	LEMONS DENVER JOE	1303 WESTWOOD RD	LOCKHART TX 78644
4	23467	CYRIEN JOHN P	1301 WESTWOOD RD	LOCKHART TX 78644
5	23425	OLSEN ERNESTINE & JENS	874 GRAHAM RD	LOCKHART TX 78644
6	23422	GRAHAM DONALD F & LOUISE C REV. LIV. TR.	905 GRAHAM RD	LOCKHART TX 78644
7	23403	DOYLE JERRY	832 FM 671	LOCKHART TX 78644
8	23455	O'KEEFE ROBERT & SUSAN	350 GOLDRUSH CIR	WIMBERLY TX 78676
9	32372	MURCHISON-BASS WANDA GAIL	135 WEST FORK RD	LOCKHART TX 78644
10	22505	VINKLAREK SUSAN E	8901 BROOK HILL LN	FORT WORTH TX 76244
11	22492	BONNELL RALPH E & JANICE D	6802 MANZANITA	AUSTIN TX 78759
12	22487	TWARDOWSKI RAYMOND J	126 CANYON OAKS DR	SAN ANTONIO TX 78232
13	33645	TIMMS NICKY	715 SIERRA DR	LOCKHART TX 78644
14	40674	MATTHEWS TAMMY M & JAMES R	689 SIERRA DR	LOCKHART TX 78644
15	45256	SIERRA ERICA H	PO BOX 62	SAN MARCOS TX 78667
16	81544	CORTEZ FELIX A	101 QUAIL RIDGE DR	KYLE TX 78640
17	81543	NULL	NULL	NULL
18	81542	MARTINEZ JUAN CARLOS & BONILLA GLENDA PATRICIA VELASQUEZ	5000 GOOD WOOD DR APT B	AUSTIN TX 78744
19	91146	BRADFORD JUSTIN & PAULA	130 PECANWOOD N	KYLE TX 78640
20	81539	BAUMBACH KEN & KRISTI	222 HIDDEN HOLLOW	LOCKHART TX 78644
21	81538, 81537	JONES STEVE & DEBBIE	229 HIDDEN HOLLOW	LOCKHART TX 78644
22	81535	KEATON KERRI & JAMES	334 W MEDLOCK DR UNIT C102	PHOENIX AZ 85013
23	81534	LAMMERS MICHAEL J & DENISE M	970 SPANISH OAKS BLVD	LOCKHART TX 78644
24	81533	HAYERDA BENJAMIN & STEPHANIE	1018 SPANISH OAKD BLVD	LOCKHART TX 78644
25	91145	SANDOVAL MARIO ALBERTO	15590 FM 1660	TAYLOR TX 76574
26	14574, 16323	CE STEPHENS PROPERTIES LLC	680 WESTWOOD RD	LOCKHART TX 78644

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)**

**FOR AGENCIES REVIEWING DOMESTIC
TPDES WASTEWATER PERMIT APPLICATIONS**

TCEQ USE ONLY:

Application type: Renewal Major Amendment Minor Amendment New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

Texas Historical Commission

U.S. Fish and Wildlife

Texas Parks and Wildlife Department

U.S. Army Corps of Engineers

This form applies to TPDES permit applications only. (Instructions, Page 53)

The SPIF must be completed as a separate document. The TCEQ will mail a copy of the SPIF to each agency as required by the TCEQ agreement with EPA. If any of the items are not completely addressed or further information is needed, you will be contacted to provide the information before the permit is issued. Each item must be completely addressed.

Do not refer to a response of any item in the permit application form. Each attachment must be provided with this form separately from the administrative report of the application. The application will not be declared administratively complete without this form being completed in its entirety including all attachments.

The following applies to all applications:

1. Permittee: Greenwood Ventures Group, LLC

Permit No. WQ00

EPA ID No. TX

Address of the project (or a location description that includes street/highway, city/vicinity, and county):

The proposed property is located approximately 1.87 miles southwest of County Road 214 and US Highway 183 in Caldwell County Texas 78644.

Comisión de Calidad Ambiental del Estado de Texas



AVISO DE RECIBO DE LA SOLICITUD Y EL INTENTO DE OBTENER PERMISO PARA LA CALIDAD DEL AGUA

PERMISO PROPUESTO NO. WQ00_____

SOLICITUD. Greenwood Ventures Group LLC, 101 Parklane Boulevard, Suite 102, Sugar Land, Texas 77478, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ0016148001 (EPA I.D. No. TX0142794) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 975,000 galones por día. La planta está ubicada aproximadamente 1.87 millas al suroeste de County Road 214 y U.S. Highway 183, en el condado de Caldwell, Texas. La ruta de descarga será desde el sitio de la planta hasta un afluente sin nombre; de allí a West Fork Plum Creek; de allí a Plum Creek. La TCEQ recibió esta solicitud el 20 de abril de 2022. La solicitud para el permiso está disponible para leerla y copiarla en Lockhart City Hall, 308 West San Antonio Street, Lockhart, Texas. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionada como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

<https://tceq.maps.arcgis.com/apps/webappviewer/index.html?id=db5bac44afbc468bbdd360f8168250f&marker=-97.700833%2C29.796111&level=12>

[Include the following non-italicized sentence if the facility is located in the Coastal Management Program boundary. The Coastal Management Program boundary is the area along the Texas Coast of the Gulf of México as depicted on the map in 31 TAC §503.1 and includes part or all of the following counties: Cameron, Willacy, Kenedy, Kleberg, Nueces, San Patricio, Aransas, Refugio, Calhoun, Victoria, Jackson, Matagorda, Brazoria, Galveston, Harris, Chambers, Jefferson y Orange.] El Director Ejecutivo de la TCEQ ha revisado esta medida para ver si está de acuerdo con los objetivos y las regulaciones del Programa de Administración Costero de Texas (CMP) de acuerdo con las regulaciones del Consejo Coordinador de la Costa (CCC) y ha determinado que la acción es conforme con las metas y regulaciones pertinentes del CMP.

AVISO ADICIONAL. El Director Ejecutivo de la TCEQ ha determinado que la solicitud es administrativamente completa y conducirá una revisión técnica de la solicitud. Después de completar la revisión técnica, el Director Ejecutivo puede preparar un borrador del permiso y emitirá una Decisión Preliminar sobre la solicitud. **El aviso de la solicitud y la decisión preliminar serán publicados y enviado a los que están en la lista de correo de las personas a lo largo del condado que desean recibir los avisos y los que están en la lista de correo que desean recibir avisos de esta solicitud. El aviso dará la fecha límite para someter comentarios públicos.**

COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar

comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO. Después del plazo para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios apropiados y preparará una respuesta a todo los comentarios públicos esenciales, pertinentes, o significativos. **A menos que la solicitud haya sido referida directamente a una audiencia administrativa de lo contencioso, la respuesta a los comentarios y la decisión del Director Ejecutivo sobre la solicitud serán enviados por correo a todos los que presentaron un comentario público y a las personas que están en la lista para recibir avisos sobre esta solicitud. Si se reciben comentarios, el aviso también proveerá instrucciones para pedir una reconsideración de la decisión del Director Ejecutivo y para pedir una audiencia administrativa de lo contencioso.** Una audiencia administrativa de lo contencioso es un procedimiento legal similar a un procedimiento legal civil en un tribunal de distrito del estado.

PARA SOLICITAR UNA AUDIENCIA DE CASO IMPUGNADO, USTED DEBE INCLUIR EN SU SOLICITUD LOS SIGUIENTES DATOS: su nombre, dirección, y número de teléfono; el nombre del solicitante y número del permiso; la ubicación y distancia de su propiedad/actividad con respecto a la instalación; una descripción específica de la forma cómo usted sería afectado adversamente por el sitio de una manera no común al público en general; una lista de todas las cuestiones de hecho en disputa que usted presente durante el período de comentarios; y la declaración "[Yo/nosotros] solicito/solicitamos una audiencia de caso impugnado". Si presenta la petición para una audiencia de caso impugnado de parte de un grupo o asociación, debe identificar una persona que representa al grupo para recibir correspondencia en el futuro; identificar el nombre y la dirección de un miembro del grupo que sería afectado adversamente por la planta o la actividad propuesta; proveer la información indicada anteriormente con respecto a la ubicación del miembro afectado y su distancia de la planta o actividad propuesta; explicar cómo y porqué el miembro sería afectado; y explicar cómo los intereses que el grupo desea proteger son pertinentes al propósito del grupo.

Después del cierre de todos los períodos de comentarios y de petición que aplican, el Director Ejecutivo enviará la solicitud y cualquier petición para reconsideración o para una audiencia de caso impugnado a los Comisionados de la TCEQ para su consideración durante una reunión programada de la Comisión. La Comisión sólo puede conceder una solicitud de una audiencia de caso impugnado sobre los temas que el solicitante haya presentado en sus comentarios oportunos que no fueron retirados posteriormente. Si se concede una audiencia, el tema de la audiencia estará limitado a cuestiones de hecho en disputa o cuestiones mixtas de hecho y de derecho relacionadas a intereses pertinentes y materiales de calidad del agua que se hayan presentado durante el período de comentarios.

LISTA DE CORREO. Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas

correos siguientes (1) la lista de correo permanente para recibir los avisos de el solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado específico. Si desea que se agrega su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

CONTACTOS E INFORMACIÓN A LA AGENCIA. Todos los comentarios públicos y solicitudes deben ser presentadas electrónicamente vía <http://www14.tceq.texas.gov/epic/eComment/> o por escrito dirigidos a la Comisión de Texas de Calidad Ambiental, Oficial de la Secretaría (Office of Chief Clerk), MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Tenga en cuenta que cualquier información personal que usted proporcione, incluyendo su nombre, número de teléfono, dirección de correo electrónico y dirección física pasarán a formar parte del registro público de la Agencia. Para obtener más información acerca de esta solicitud de permiso o el proceso de permisos, llame al programa de educación pública de la TCEQ, gratis, al 1-800-687-4040. Si desea información en Español, puede llamar al 1-800-687-4040.

También se puede obtener información de Greenwood Ventures Group LLC a la dirección indicada arriba o llamando al Daniel Ryan, P.E., LJA Engineering, Inc., al 512-439-4700.

Fecha de emisión _____ *[Date notice issued]*

Plain Language Summary - TPDES New Application

Greenwood Ventures Group LLC (CN606011039) proposes to operate the Lockhart Landing Wastewater Treatment Plant (RN111484846), an activated sludge process plant operated in the extended aeration mode. The facility will be located approximately 1.87 miles southwest of the intersection of County Road 214 and U.S. Highway 183, in Caldwell County, Texas 78644.

This application is for a new application to discharge at a daily average flow of 975,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids (TSS), ammonia nitrogen (NH₃-N), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent in the permit application package. Domestic wastewater will be treated in an activated sludge process plant and the treatment units will include a bar screen, aeration basins, clarifiers, and chlorine contact chambers. A sludge digester will also be used for sludge holding prior to haul off.

**PLANTILLA EN ESPAÑOL PARA SOLICITUDES
NUEVAS/RENOVACIONES/ENMIENDAS TPDES o TLAP**

AGUAS RESIDUALES DOMÉSTICAS

Greenwood Ventures Group LLC (CN606011039) propone operar la planta de tratamiento de aguas residuales de Lockhart Landing (RN111484846), una planta de proceso de lodos activados operada en el modo de aireación extendida. La instalación estará ubicada aproximadamente a 1.87 millas al suroeste de la intersección de County Road 214 y US Highway 183, en el condado de Caldwell, Texas 78644.

Esta solicitud es para una nueva solicitud para descargar a un flujo promedio diario de 975,000 galones por día de aguas residuales domesticas tratadas.

Se espera que las descargas de la instalación contengan demanda bioquímica de (CBOD5) de cinco días, solidos suspendidos totales (TSS), nitrógeno amoniacal (NH3-N) y Escherichia coli. Los contaminantes potenciales adicionales se incluyen en el Informe técnico nacional 1.0, Sección 7. Análisis de contaminantes de efluentes tratados en el paquete de solicitud de permisos. Las aguas residuales domesticas serán tratadas en una planta de proceso de lodos activados y las unidades de tratamiento contarán con tamiz de aireación, clarificadores y cámaras de contacto de cloro. También se utilizará un digestor de lodos para retener los lodos antes de transportarlos.

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DOMESTIC TECHNICAL REPORT 1.0

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ADMINISTRATIVE REPORTS 1.0 AND 1.1



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
**DOMESTIC WASTEWATER PERMIT APPLICATION
 CHECKLIST**



Complete and submit this checklist with the application.

APPLICANT: GREENWOOD VENTURES GROUP, LLC

PERMIT NUMBER:

Indicate if each of the following items is included in your application.

	Y	N		Y	N
Administrative Report 1.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Original USGS Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Administrative Report 1.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Affected Landowners Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SPIF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Landowner Disk or Labels	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Core Data Form	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Buffer Zone Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Technical Report 1.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Flow Diagram	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Technical Report 1.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Site Drawing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 2.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Original Photographs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 2.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Design Calculations	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 3.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Solids Management Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 3.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Balance	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 3.2	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 3.3	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 4.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 5.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 6.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 7.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			

For TCEQ Use Only

Segment Number _____ County _____
 Expiration Date _____ Region _____
 Permit Number _____



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
**APPLICATION FOR A DOMESTIC WASTEWATER PERMIT
ADMINISTRATIVE REPORT 1.0**

If you have questions about completing this form please contact the Applications Review and Processing Team at 512-239-4671.

Section 1. Application Fees (Instructions Page 29)

Indicate the amount submitted for the application fee (check only one).

Flow	New/Major Amendment	Renewal
<0.05 MGD	\$350.00 <input type="checkbox"/>	\$315.00 <input type="checkbox"/>
≥0.05 but <0.10 MGD	\$550.00 <input type="checkbox"/>	\$515.00 <input type="checkbox"/>
≥0.10 but <0.25 MGD	\$850.00 <input type="checkbox"/>	\$815.00 <input type="checkbox"/>
≥0.25 but <0.50 MGD	\$1,250.00 <input type="checkbox"/>	\$1,215.00 <input type="checkbox"/>
≥0.50 but <1.0 MGD	\$1,650.00 <input checked="" type="checkbox"/>	\$1,615.00 <input type="checkbox"/>
≥1.0 MGD	\$2,050.00 <input type="checkbox"/>	\$2,015.00 <input type="checkbox"/>

Minor Amendment (for any flow) \$150.00

Payment Information:

Mailed Check/Money Order Number: [REDACTED]

Check/Money Order Amount: \$1,650.00

Name Printed on Check: TCEQ

EPAY Voucher Number: [REDACTED]

Copy of Payment Voucher enclosed? Yes

Section 2. Type of Application (Instructions Page 29)

- | | |
|-----------------------------------------------------------------|-----------------------------------------------------------------|
| <input checked="" type="checkbox"/> New TPDES | <input type="checkbox"/> New TLAP |
| <input type="checkbox"/> Major Amendment <u>with</u> Renewal | <input type="checkbox"/> Minor Amendment <u>with</u> Renewal |
| <input type="checkbox"/> Major Amendment <u>without</u> Renewal | <input type="checkbox"/> Minor Amendment <u>without</u> Renewal |
| <input type="checkbox"/> Renewal without changes | <input type="checkbox"/> Minor Modification of permit |

For amendments or modifications, describe the proposed changes: [REDACTED]

For existing permits:

Permit Number: WQ00 [REDACTED]

EPA I.D. (TPDES only): TX [REDACTED]

Expiration Date: [REDACTED]

Section 3. Facility Owner (Applicant) and Co-Applicant Information (Instructions Page 29)

A. The owner of the facility must apply for the permit.

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

Greenwood Ventures Group, LLC

(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/>

CN: [REDACTED]

What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in 30 TAC § 305.44.

Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Shaun Vembutty

Credential (P.E, P.G., Ph.D., etc.): [REDACTED]

Title: Manager

B. Co-applicant information. Complete this section only if another person or entity is required to apply as a co-permittee.

What is the Legal Name of the co-applicant applying for this permit?

[REDACTED]

(The legal name must be spelled exactly as filed with the TX SOS, with the County, or in the legal documents forming the entity.)

If the co-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/>

CN: [REDACTED]

What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in 30 TAC § 305.44.

Prefix (Mr., Ms., Miss): [REDACTED]

First and Last Name: [REDACTED]

Credential (P.E, P.G., Ph.D., etc.): [REDACTED]

Title: [REDACTED]

Provide a brief description of the need for a co-permittee:

C. Core Data Form

Complete the Core Data Form for each customer and include as an attachment. If the customer type selected on the Core Data Form is **Individual**, complete **Attachment 1** of Administrative Report 1.0.

Attachment: Appendix A

Section 4. Application Contact Information (Instructions Page 30)

This is the person(s) TCEQ will contact if additional information is needed about this application. Provide a contact for administrative questions and technical questions.

A. Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Daniel Ryan

Credential (P.E, P.G., Ph.D., etc.): P.E.

Title: Vice President

Organization Name: LJA Engineering

Mailing Address: 7500 Rialto Blvd. Building II. Suite 100

City, State, Zip Code: Austin, TX 78735

Phone No.: 512-439-4700 Ext.: Fax No.:

E-mail Address: dryan@lja.com

Check one or both: Administrative Contact Technical Contact

B. Prefix (Mr., Ms., Miss): Ms.

First and Last Name: Lauren Crone

Credential (P.E, P.G., Ph.D., etc.): P.E.

Title: Project Manager

Organization Name: LJA Engineering

Mailing Address: 7500 Rialto Blvd. Building II, Suite 100

City, State, Zip Code: Austin, TX 78735

Phone No.: 512-439-4700 Ext.: Fax No.:

E-mail Address: lcrone@lja.com

Check one or both: Administrative Contact Technical Contact

Section 5. Permit Contact Information (Instructions Page 30)

Provide two names of individuals that can be contacted throughout the permit term.

A. Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Daniel Ryan

Credential (P.E, P.G., Ph.D., etc.): P.E.

Title: Vice President

Organization Name: LJA Engineering, Inc.

Mailing Address: 7500 Rialto Blvd. Building II. Suite 100

City, State, Zip Code: Austin, TX 78735

Phone No.: 512-439-4700 Ext.: [REDACTED]

Fax No.: [REDACTED]

E-mail Address: dryan@lja.com

B. Prefix (Mr., Ms., Miss): Ms.

First and Last Name: Lauren Crone

Credential (P.E, P.G., Ph.D., etc.): P.E.

Title: Project Manager

Organization Name: LJA Engineering, Inc.

Mailing Address: 7500 Rialto Blvd., Building II, Suite100

City, State, Zip Code: Austin, TX 78735

Phone No.: 512-439-4700 Ext.: [REDACTED]

Fax No.: [REDACTED]

E-mail Address: lcrone@lja.com

Section 6. Billing Information (Instructions Page 30)

The permittee is responsible for paying the annual fee. The annual fee will be assessed to permits *in effect on September 1 of each year*. The TCEQ will send a bill to the address provided in this section. The permittee is responsible for terminating the permit when it is no longer needed (using form TCEQ-20029).

Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Shaun Vembutty

Credential (P.E, P.G., Ph.D., etc.): [REDACTED]

Title: Manager

Organization Name: Greenwood Ventures Group, LLC

Mailing Address: 101 Parklane Boulevard, Suite 102

City, State, Zip Code: Sugar Land, Texas 77478

Phone No.: 281-221-2699 Ext.: [REDACTED]

Fax No.: [REDACTED]

E-mail Address: mark@ashtongreydev.com

Section 7. DMR/MER Contact Information (Instructions Page 31)

Provide the name and complete mailing address of the person delegated to receive and submit Discharge Monitoring Reports (EPA 3320-1) or maintain Monthly Effluent Reports.

Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Shaun Vembutty

Credential (P.E, P.G., Ph.D., etc.): [REDACTED]

Title: Manager

Organization Name: Greenwood Ventures Group, LLC

Mailing Address: 101 Parklane Boulevard, Suite 102

City, State, Zip Code: Sugar Land, Texas, 77478

Phone No.: 281-221-2699 Ext.: [REDACTED] Fax No.: [REDACTED]

E-mail Address: [REDACTED]

DMR data is required to be submitted electronically. Create an account at:

<https://www.tceq.texas.gov/permitting/netdmr/netdmr.html>.

Section 8. Public Notice Information (Instructions Page 31)

A. Individual Publishing the Notices

Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Daniel Ryan

Credential (P.E, P.G., Ph.D., etc.): P.E.

Title: Vice President

Organization Name: LJA Engineering

Mailing Address: 7500 Rialto Blvd. Building II, Suite 100

City, State, Zip Code: Austin, TX 78735

Phone No.: 512-439-4700 Ext.: [REDACTED] Fax No.: [REDACTED]

E-mail Address: dryan@lja.com

B. Method for Receiving Notice of Receipt and Intent to Obtain a Water Quality Permit Package

Indicate by a check mark the preferred method for receiving the first notice and instructions:

- E-mail Address
- Fax
- Regular Mail

C. Contact person to be listed in the Notices

Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Daniel Ryan

Credential (P.E, P.G., Ph.D., etc.): P.E.

Title: Vice President

Organization Name: LJA Engineering

Phone No.: 512-439-4700 Ext.: [REDACTED]

E-mail: dryan@lja.com

D. Public Viewing Information

If the facility or outfall is located in more than one county, a public viewing place for each county must be provided.

Public building name: City of Lockhart City Hall

Location within the building: Development Services

Physical Address of Building: 308 W San Antonio Street

City: Lockhart

County: Caldwell County

Contact Name: [REDACTED]

Phone No.: 512-398-3461 Ext.: [REDACTED]

E. Bilingual Notice Requirements:

This information **is required** for **new, major amendment, and renewal applications**. It is not required for minor amendment or minor modification applications.

This section of the application is only used to determine if alternative language notices will be needed. Complete instructions on publishing the alternative language notices will be in your public notice package.

Please call the bilingual/ESL coordinator at the nearest elementary and middle schools and obtain the following information to determine whether an alternative language notices are required.

1. Is a bilingual education program required by the Texas Education Code at the elementary or middle school nearest to the facility or proposed facility?

Yes No

If **no**, publication of an alternative language notice is not required; **skip to** Section 9 below.

2. Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school?

Yes No

3. Do the students at these schools attend a bilingual education program at another location?

Yes No

4. Would the school be required to provide a bilingual education program but the school has waived out of this requirement under 19 TAC §89.1205(g)?
- Yes No
5. If the answer is yes to question 1, 2, 3, or 4, public notices in an alternative language are required. Which language is required by the bilingual program? Spanish

Section 9. Regulated Entity and Permitted Site Information (Instructions Page 33)

A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. RN [redacted]

Search the TCEQ’s Central Registry at <http://www15.tceq.texas.gov/crpub/> to determine if the site is currently regulated by TCEQ.

B. Name of project or site (the name known by the community where located):

Lockhart Landing

C. Owner of treatment facility: Greenwood Ventures Group, LLC

Ownership of Facility: Public Private Both Federal

D. Owner of land where treatment facility is or will be:

Prefix (Mr., Ms., Miss): [redacted]

First and Last Name: Greenwood Ventures Group, LLC

Mailing Address: 101 Parklane Boulevard, Suite 102

City, State, Zip Code: Sugar Land, Texas 77478

Phone No.: 281-221-2699 E-mail Address: [redacted]

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment: [redacted]

E. Owner of effluent disposal site:

Prefix (Mr., Ms., Miss): [redacted]

First and Last Name: [redacted]

Mailing Address: [redacted]

City, State, Zip Code: [redacted]

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

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment: [redacted]

F. Owner of sewage sludge disposal site (if authorization is requested for sludge disposal on property owned or controlled by the applicant):

Prefix (Mr., Ms., Miss): [REDACTED]

First and Last Name: [REDACTED]

Mailing Address: [REDACTED]

City, State, Zip Code: [REDACTED]

Phone No.: [REDACTED] E-mail Address: [REDACTED]

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment: [REDACTED]

Section 10. TPDES Discharge Information (Instructions Page 34)

A. Is the wastewater treatment facility location in the existing permit accurate?

Yes No

If **no**, or a new permit application, please give an accurate description:

New Permit: The proposed WWTP is located approximately 1.87 miles Southwest of the intersection of Hwy 183 and County Road 214 in Caldwell County, Texas.

B. Are the point(s) of discharge and the discharge route(s) in the existing permit correct?

Yes No

If **no**, or a new or amendment permit application, provide an accurate description of the point of discharge and the discharge route to the nearest classified segment as defined in 30 TAC Chapter 307:

New Permit: From the proposed treatment plant, effluent will be discharged into an onsite pond which is conveyed to West Fort Plum Creek. West Fort Plum Creek then flows to the South to a junction with Plum Creek (Segment 1810), which then connects to the San Marcos River (Segment 1808) at the Caldwell/Gonzales County Line.

City nearest the outfall(s): Lockhart

County in which the outfalls(s) is/are located: Caldwell

Outfall Latitude: 29.796248

Longitude: -97.700731

C. Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?

Yes No

If **yes**, indicate by a check mark if:

Authorization granted Authorization pending

For **new and amendment** applications, provide copies of letters that show proof of contact and the approval letter upon receipt.

Attachment: [REDACTED]

- D. For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge.

N/A

Section 11. TLAP Disposal Information (Instructions Page 36)

- A. For TLAPs, is the location of the effluent disposal site in the existing permit accurate?

Yes No

If no, or a new or amendment permit application, provide an accurate description of the disposal site location:

[REDACTED]

- B. City nearest the disposal site: [REDACTED]

- C. County in which the disposal site is located: [REDACTED]

- D. Disposal Site Latitude: [REDACTED] Longitude: [REDACTED]

- E. For TLAPs, describe the routing of effluent from the treatment facility to the disposal site:

[REDACTED]

- F. For TLAPs, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained:

[REDACTED]

Section 12. Miscellaneous Information (Instructions Page 37)

- A. Is the facility located on or does the treated effluent cross American Indian Land?

Yes No

- B. If the existing permit contains an onsite sludge disposal authorization, is the location of the sewage sludge disposal site in the existing permit accurate?

Yes No Not Applicable

If No, or if a new onsite sludge disposal authorization is being requested in this permit

application, provide an accurate location description of the sewage sludge disposal site.

C. Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?

- Yes No

If yes, list each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application:

D. Do you owe any fees to the TCEQ?

- Yes No

If yes, provide the following information:

Account number:

Amount past due:

E. Do you owe any penalties to the TCEQ?

- Yes No

If yes, please provide the following information:

Enforcement order number:

Amount past due:

Section 13. Attachments (Instructions Page 38)

Indicate which attachments are included with the Administrative Report. Check all that apply:

- Lease agreement or deed recorded easement, if the land where the treatment facility is located or the effluent disposal site are not owned by the applicant or co-applicant.
- Original full-size USGS Topographic Map with the following information:
 - Applicant's property boundary
 - Treatment facility boundary
 - Labeled point of discharge for each discharge point (TPDES only)
 - Highlighted discharge route for each discharge point (TPDES only)
 - Onsite sewage sludge disposal site (if applicable)
 - Effluent disposal site boundaries (TLAP only)
 - New and future construction (if applicable)
 - 1 mile radius information

- 3 miles downstream information (TPDES only)
- All ponds.
- Attachment 1 for Individuals as co-applicants
- Other Attachments. Please specify: [click here to enter text](#)

Section 14. Signature Page (Instructions Page 39)

If co-applicants are necessary, each entity must submit an original, separate signature page.

Permit Number: [redacted]

Applicant: Greenwood Ventures Group, LLC

Certification:

I 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 30 Texas Administrative Code § 305.44 to sign and submit this document, and can provide documentation in proof of such authorization upon request.

Signatory name (typed or printed): Shaun Vembutty

Signatory title: Manager

Signature: _____ Date: 4-13-22
(Use blue ink)

Subscribed and Sworn to before me by the said Sudharchan Vembutty
on this 13th day of April, 2022
My commission expires on the 22nd day of April, 2022

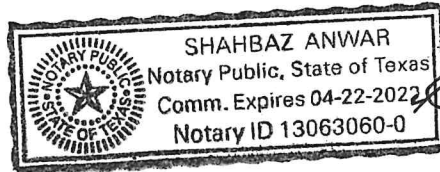
[Signature]

Notary Public

[SEAL]

Fork Bend

County, Texas



DOMESTIC ADMINISTRATIVE REPORT 1.1

The following information is required for new and amendment applications.

Section 1. Affected Landowner Information (Instructions Page 41)

- A. Indicate by a check mark that the landowners map or drawing, with scale, includes the following information, as applicable:
- The applicant's property boundaries
 - The facility site boundaries within the applicant's property boundaries
 - The distance the buffer zone falls into adjacent properties and the property boundaries of the landowners located within the buffer zone
 - The property boundaries of all landowners surrounding the applicant's property (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)
 - The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream
 - The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge
 - The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides
 - The boundaries of the effluent disposal site (for example, irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property
 - The property boundaries of all landowners surrounding the effluent disposal site
 - The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners surrounding the applicant's property boundaries where the sewage sludge land application site is located
 - The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (for example, sludge surface disposal site or sludge monofill) is located
- B. Indicate by a check mark that a separate list with the landowners' names and mailing addresses cross-referenced to the landowner's map has been provided.
- C. Indicate by a check mark in which format the landowners list is submitted:
- Readable/Writeable CD
 - Four sets of labels
- D. Provide the source of the landowners' names and mailing addresses: Caldwell Central Appraisal District
- E. As required by *Texas Water Code § 5.115*, is any permanent school fund land affected by this application?
- Yes
 - No

If **yes**, provide the location and foreseeable impacts and effects this application has on the land(s):

Section 2. Original Photographs (Instructions Page 44)

Provide original ground level photographs. Indicate with checkmarks that the following information is provided.

- At least one original photograph of the new or expanded treatment unit location
- At least two photographs of the existing/proposed point of discharge and as much area downstream (photo 1) and upstream (photo 2) as can be captured. If the discharge is to an open water body (e.g., lake, bay), the point of discharge should be in the right or left edge of each photograph showing the open water and with as much area on each respective side of the discharge as can be captured.
- At least one photograph of the existing/proposed effluent disposal site
- A plot plan or map showing the location and direction of each photograph

Section 3. Buffer Zone Map (Instructions Page 44)

A. Buffer zone map. Provide a buffer zone map on 8.5 x 11-inch paper with all of the following information. The applicant's property line and the buffer zone line may be distinguished by using dashes or symbols and appropriate labels.

- The applicant's property boundary;
- The required buffer zone; and
- Each treatment unit; and
- The distance from each treatment unit to the property boundaries.

B. Buffer zone compliance method. Indicate how the buffer zone requirements will be met. Check all that apply.

- Ownership
- Restrictive easement
- Nuisance odor control
- Variance

C. Unsuitable site characteristics. Does the facility comply with the requirements regarding unsuitable site characteristic found in 30 TAC § 309.13(a) through (d)?

- Yes No

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)**

**FOR AGENCIES REVIEWING DOMESTIC
TPDES WASTEWATER PERMIT APPLICATIONS**

TCEQ USE ONLY:

Application type: Renewal Major Amendment Minor Amendment New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

Texas Historical Commission

U.S. Fish and Wildlife

Texas Parks and Wildlife Department

U.S. Army Corps of Engineers

This form applies to TPDES permit applications only. (Instructions, Page 53)

The SPIF must be completed as a separate document. The TCEQ will mail a copy of the SPIF to each agency as required by the TCEQ agreement with EPA. If any of the items are not completely addressed or further information is needed, you will be contacted to provide the information before the permit is issued. Each item must be completely addressed.

Do not refer to a response of any item in the permit application form. Each attachment must be provided with this form separately from the administrative report of the application. The application will not be declared administratively complete without this form being completed in its entirety including all attachments.

The following applies to all applications:

1. Permittee: Greenwood Ventures Group, LLC

Permit No. WQ00

EPA ID No. TX

Address of the project (or a location description that includes street/highway, city/vicinity, and county):

The proposed property is located approximately 1.87 miles southwest of County Road 214 and US Highway 183 in Caldwell County Texas 78644.

Provide the name, address, phone and fax number of an individual that can be contacted to answer specific questions about the property.

Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Daniel Ryan

Credential (P.E, P.G., Ph.D., etc.): P.E.

Title: Vice President

Mailing Address: 7500 Rialto Blvd. Building II, Suite 100

City, State, Zip Code: Austin, TX 78735

Phone No.: 512-439-4700 Ext.: [REDACTED]

Fax No.: [REDACTED]

E-mail Address: dryan@lja.com

2. List the county in which the facility is located: Caldwell County
3. If the property is publicly owned and the owner is different than the permittee/applicant, please list the owner of the property.

4. Provide a description of the effluent discharge route. The discharge route must follow the flow of effluent from the point of discharge to the nearest major watercourse (from the point of discharge to a classified segment as defined in 30 TAC Chapter 307). If known, please identify the classified segment number.

From the proposed treatment plant, effluent will be discharged into an onsite pond which is conveyed to West Fort Plum Creek. West Fort Plum Creek then flows to the South to a junction with Plum Creek (Segment 1810), which then connects to the San Marcos River (Segment 1808) at the Caldwell/Gonzales County Line.

5. Please provide a separate 7.5-minute USGS quadrangle map with the project boundaries plotted and a general location map showing the project area. Please highlight the discharge route from the point of discharge for a distance of one mile downstream. (This map is required in addition to the map in the administrative report).

Provide original photographs of any structures 50 years or older on the property.

Does your project involve any of the following? Check all that apply.

- Proposed access roads, utility lines, construction easements
- Visual effects that could damage or detract from a historic property's integrity
- Vibration effects during construction or as a result of project design
- Additional phases of development that are planned for the future
- Sealing caves, fractures, sinkholes, other karst features

- ☐ Disturbance of vegetation or wetlands

6. List proposed construction impact (surface acres to be impacted, depth of excavation, sealing of caves, or other karst features):

Approximately 1200 acres to be impacted through construction of subdivision improvements. No planned sealing of caves or other features.

7. Describe existing disturbances, vegetation, and land use:

Farming Land and Residential

THE FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR AMENDMENTS TO TPDES PERMITS

8. List construction dates of all buildings and structures on the property:

Residential - 1930, Residential - 1990, Residential - 2000, Residential - 2001, Residential - 2005, Miscellaneous - 2001

9. Provide a brief history of the property, and name of the architect/builder, if known.

Property is mostly undeveloped with some residential property owned by McDonald Family trust.

EXHIBIT 2

DOMESTIC TECHNICAL REPORT 1.0 AND 1.1

DOMESTIC WORKSHEETS 2.0 AND 2.1



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
DOMESTIC WASTEWATER PERMIT APPLICATION

DOMESTIC TECHNICAL REPORT 1.0

The Following Is Required For All Applications
Renewal, New, And Amendment

Section 1. Permitted or Proposed Flows (Instructions Page 51)

A. Existing/Interim I Phase

Design Flow (MGD): 0.325

2-Hr Peak Flow (MGD): 1.30

Estimated construction start date: 7/1/2023

Estimated waste disposal start date: 12/1/2023

B. Interim II Phase

Design Flow (MGD): 0.65

2-Hr Peak Flow (MGD): 2.60

Estimated construction start date: 7/1/2024

Estimated waste disposal start date: 12/1/2024

C. Final Phase

Design Flow (MGD): 0.975

2-Hr Peak Flow (MGD): 3.90

Estimated construction start date: 7/1/2025

Estimated waste disposal start date: 12/1/2025

D. Current operating phase: N/A New WWTP

Provide the startup date of the facility:

Section 2. Treatment Process (Instructions Page 51)

A. Treatment process description

Provide a detailed description of the treatment process. **Include the type of**

treatment plant, mode of operation, and all treatment units. Start with the plant's head works and finish with the point of discharge. Include all sludge processing and drying units. **If more than one phase exists or is proposed in the permit, a description of each phase must be provided.** Process description:

The facility is to be constructed in three phases with a total design flow of 975,000 gpd. Each phase will each treat 325,000 gpd. Each phase will operate as a suspended-growth activated sludge process in the extended aeration mode. The treatment units include a bar screen, aeration basin, clarifier, chlorine contact basin and an aerobic digester. Wastewater will be pumped into the plant where it will enter the aeration basin through a bar screen. The influent will then pass through the aeration zone and flow into a clarifier. From the clarifier, the effluent will flow to a chlorine contact basin for disinfection. This facility will also utilize a digester for sludge holding, prior to haul off.

Port or pipe diameter at the discharge point, in inches: 8 inches

B. Treatment Units

In Table 1.0(1), provide the treatment unit type, the number of units, and dimensions (length, width, depth) of each treatment unit, accounting for *all* phases of operation.

Table 1.0(1) - Treatment Units

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
AERATION BASIN	3 (1 per phase)	Phase 1: 61.5'L x 44'W x 10'D Phase 2: 61.5'L x 44'W x 10'D Phase 3: 61.5'L x 44'W x 10'D
CLARIFIER	3 (1 per phase)	Phase 1: 31' DIA x 10' D Phase 2: 31' DIA x 10' D Phase 3: 31' DIA x 10' D
AEROBIC DIGESTER	3 (1 per phase)	Phase 1: 18.5'L x 44'W x 10'D Phase 2: 18.5'L x 44'W x 10'D Phase 3: 18.5'L x 44'W x 10'D
CHLORINE CONTACT CHAMBER	3 (1 per phase)	Phase 1: 4.5'L x 44'W x 10'D Phase 2: 4.5'L x 44'W x 10'D Phase 3: 4.5'L x 44'W x 10'D

Section 3. Site Drawing (Instructions Page 52)

Provide a site drawing for the facility that shows the following:

- The boundaries of the treatment facility;
- The boundaries of the area served by the treatment facility;
- If land disposal of effluent, the boundaries of the disposal site and all storage/holding ponds; and
- If sludge disposal is authorized in the permit, the boundaries of the land application or disposal site.

Attachment: APPENDIX H

Provide the name and a description of the area served by the treatment facility.

1200 Acre Lockhart Tract: A 3,975 lot single-family residential subdivision.

Section 4. Unbuilt Phases (Instructions Page 52)

Is the application for a renewal of a permit that contains an unbuilt phase or phases?

Yes

No

If yes, does the existing permit contain a phase that has not been constructed within five years of being authorized by the TCEQ?

Yes

No

If yes, provide a detailed discussion regarding the continued need for the unbuilt phase. Failure to provide sufficient justification may result in the Executive Director recommending denial of the unbuilt phase or phases.

Section 5. Closure Plans (Instructions Page 53)

Have any treatment units been taken out of service permanently, or will any units be taken out of service in the next five years?

Yes No

If yes, was a closure plan submitted to the TCEQ?

Yes No

If yes, provide a brief description of the closure and the date of plan approval.

Section 6. Permit Specific Requirements (Instructions Page 53)

For applicants with an existing permit, check the *Other Requirements* or *Special Provisions* of the permit.

A. Summary transmittal

Have plans and specifications been approved for the existing facilities and each proposed phase?

Yes No

If yes, provide the date(s) of approval for each phase:

Provide information, including dates, on any actions taken to meet a requirement or provision pertaining to the submission of a summary transmittal letter. Provide a copy of an approval letter from the TCEQ, if applicable.

B. Buffer zones

Have the buffer zone requirements been met?

Yes No

Provide information below, including dates, on any actions taken to meet the conditions of the buffer zone. If available, provide any new documentation

relevant to maintaining the buffer zones.

150' Buffer around the treatment plant.

C. Other actions required by the current permit

Does the *Other Requirements* or *Special Provisions* section in the existing permit require submission of any other information or other required actions? Examples include Notification of Completion, progress reports, soil monitoring data, etc.

Yes No

If **yes**, provide information below on the status of any actions taken to meet the conditions of an *Other Requirement* or *Special Provision*.

[Redacted area]

D. Grit and grease treatment

1. Acceptance of grit and grease waste

Does the facility have a grit and/or grease processing facility onsite that treats and decants or accepts transported loads of grit and grease waste that are discharged directly to the wastewater treatment plant prior to any treatment?

Yes No

If **No**, stop here and continue with Subsection E. Stormwater Management.

2. Grit and grease processing

Describe below how the grit and grease waste is treated at the facility. In your description, include how and where the grit and grease is introduced to the treatment works and how it is separated or processed. Provide a flow diagram showing how grit and grease is processed at the facility.

3. Grit disposal

Does the facility have a Municipal Solid Waste (MSW) registration or permit for grit disposal?

Yes No

If No, contact the TCEQ Municipal Solid Waste team at 512-239-0000. Note: A registration or permit is required for grit disposal. Grit shall not be combined with treatment plant sludge. See the instruction booklet for additional information on grit disposal requirements and restrictions.

Describe the method of grit disposal.

4. Grease and decanted liquid disposal

Note: A registration or permit is required for grease disposal. Grease shall not be combined with treatment plant sludge. For more information, contact the TCEQ Municipal Solid Waste team at 512-239-0000.

Describe how the decant and grease are treated and disposed of after grit separation.

E. Stormwater management

1. Applicability

Does the facility have a design flow of 1.0 MGD or greater in any phase?

Yes No

Does the facility have an approved pretreatment program, under 40 CFR Part 403?

Yes No

If no to both of the above, then skip to Subsection F, Other Wastes Received.

2. MSGP coverage

Is the stormwater runoff from the WWTP and dedicated lands for sewage disposal currently permitted under the TPDES Multi-Sector General Permit (MSGP), TXR050000?

Yes No

If yes, please provide MSGP Authorization Number and skip to Subsection F, Other Wastes Received:

TXR05 [REDACTED] or TXRNE [REDACTED]

If no, do you intend to seek coverage under TXR050000?

Yes No

3. Conditional exclusion

Alternatively, do you intend to apply for a conditional exclusion from permitting based TXR050000 (Multi Sector General Permit) Part II B.2 or TXR050000 (Multi Sector General Permit) Part V, Sector T 3(b)?

Yes No

If yes, please explain below then proceed to Subsection F, Other Wastes Received:

4. Existing coverage in individual permit

Is your stormwater discharge currently permitted through this individual TPDES or TLAP permit?

Yes No

If yes, provide a description of stormwater runoff management practices at the site that are authorized in the wastewater permit then skip to Subsection F, Other Wastes Received.

5. Zero stormwater discharge

Do you intend to have no discharge of stormwater via use of evaporation or other means?

Yes No

If yes, explain below then skip to Subsection F. Other Wastes Received.

Note: If there is a potential to discharge any stormwater to surface water in the state as the result of any storm event, then permit coverage is required under the MSGP or an individual discharge permit. This requirement applies to all areas of facilities with treatment plants or systems that treat, store, recycle, or reclaim domestic sewage, wastewater or sewage sludge (including dedicated lands for sewage sludge disposal located within the onsite property boundaries) that meet the applicability criteria of above. You have the option of obtaining coverage under the MSGP for direct discharges, (recommended), or obtaining coverage under this individual permit.

6. Request for coverage in individual permit

Are you requesting coverage of stormwater discharges associated with your treatment plant under this individual permit?

Yes No

If yes, provide a description of stormwater runoff management practices at the site for which you are requesting authorization in this individual wastewater permit and describe whether you intend to comingle this discharge with your treated effluent or discharge it via a separate dedicated stormwater outfall. Please also indicate if you intend to divert stormwater to the treatment plant headworks and indirectly discharge it to water in the state.

Note: Direct stormwater discharges to waters in the state authorized through this individual permit will require the development and implementation of a stormwater pollution prevention plan (SWPPP) and will be subject to additional monitoring and reporting requirements. Indirect discharges of stormwater via headworks recycling will require compliance with all individual permit requirements including 2-hour peak flow limitations. All stormwater discharge authorization requests will require additional information during the technical review of your application.

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

Yes No

If yes, a Sewage Sludge Solids Management Plan is required. See Example 5 in the instructions.

G. Other wastes received including sludge from other WWTPs and septic waste

1. Acceptance of sludge from other WWTPs

Does the facility accept or will it accept sludge from other treatment plants at the facility site?

Yes No

If yes, attach sewage sludge solids management plan. See Example 5 of the instructions.

In addition, provide the date that the plant started accepting sludge or is anticipated to start accepting sludge, an estimate of monthly sludge acceptance (gallons or millions of gallons), an estimate of the BOD₅ concentration of the sludge, and the design BOD₅ concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

Note: Permits that accept sludge from other wastewater treatment plants may be required to have influent flow and organic loading monitoring.

2. Acceptance of septic waste

Is the facility accepting or will it accept septic waste?

Yes No

If yes, does the facility have a Type V processing unit?

Yes No

If yes, does the unit have a Municipal Solid Waste permit?

Yes No

If yes to any of the above, provide a the date that the plant started accepting septic waste, or is anticipated to start accepting septic waste, an estimate of monthly septic waste acceptance (gallons or millions of gallons), an estimate of the BOD₅ concentration of the septic waste, and the design BOD₅ concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

Note: Permits that accept sludge from other wastewater treatment plants may be required to have influent flow and organic loading monitoring.

3. Acceptance of other wastes (not including septic, grease, grit, or RCRA, CERCLA or as discharged by IUs listed in Worksheet 6)

Is the facility accepting or will it accept wastes that are not domestic in nature excluding the categories listed above?

Yes No

If yes, provide the date that the plant started accepting the waste, an estimate how much waste is accepted on a monthly basis (gallons or millions of gallons), a description of the entities generating the waste, and any distinguishing chemical or other physical characteristic of the waste. Also note if this information has or has not changed since the last permit action.

Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 58)

Is the facility in operation?

Yes No

If no, this section is not applicable. Proceed to Section 8.

If yes, provide effluent analysis data for the listed pollutants. *Wastewater treatment facilities* complete Table 1.0(2). *Water treatment facilities* discharging filter backwash water, complete Table 1.0(3).

Note: The sample date must be within 1 year of application submission.

Table 1.0(2) - Pollutant Analysis for Wastewater Treatment Facilities

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD ₅ , mg/l					
Total Suspended Solids, mg/l					
Ammonia Nitrogen, mg/l					
Nitrate Nitrogen, mg/l					
Total Kjeldahl Nitrogen, mg/l					
Sulfate, mg/l					
Chloride, mg/l					
Total Phosphorus, mg/l					
pH, standard units					
Dissolved Oxygen*, mg/l					
Chlorine Residual, mg/l					
<i>E.coli</i> (CFU/100ml) freshwater					
Enterococci (CFU/100ml)					

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
saltwater					
Total Dissolved Solids, mg/l					
Electrical Conductivity, μ mohs/cm, †					
Oil & Grease, mg/l					
Alkalinity (CaCO ₃)*, mg/l					

*TPDES permits only

†TLAP permits only

Table 1.0(3) - Pollutant Analysis for Water Treatment Facilities

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Total Suspended Solids, mg/l					
Total Dissolved Solids, mg/l					
pH, standard units					
Fluoride, mg/l					
Aluminum, mg/l					
Alkalinity (CaCO ₃), mg/l					

Section 8. Facility Operator (Instructions Page 60)

Facility Operator Name:

Facility Operator's License Classification and Level:

Facility Operator's License Number:

Section 9. Sewage Sludge Management and Disposal (Instructions Page 60)

A. Sludge disposal method

Identify the current or anticipated sludge disposal method or methods from the

following list. Check all that apply.

- Permitted landfill
- Permitted or Registered land application site for beneficial use
- Land application for beneficial use authorized in the wastewater permit
- Permitted sludge processing facility
- Marketing and distribution as authorized in the wastewater permit
- Composting as authorized in the wastewater permit
- Permitted surface disposal site (sludge monofill)
- Surface disposal site (sludge monofill) authorized in the wastewater permit
- Transported to another permitted wastewater treatment plant or permitted sludge processing facility. If you selected this method, a written statement or contractual agreement from the wastewater treatment plant or permitted sludge processing facility accepting the sludge must be included with this application.
- Other: [REDACTED]

B. Sludge disposal site

Disposal site name: [REDACTED]

TCEQ permit or registration number: [REDACTED]

County where disposal site is located: [REDACTED]

C. Sludge transportation method

Method of transportation (truck, train, pipe, other): Truck

Name of the hauler: Captex

Hauler registration number: 20745

Sludge is transported as a:

- Liquid semi-liquid semi-solid solid

Section 10. Permit Authorization for Sewage Sludge Disposal (Instructions Page 60)

A. Beneficial use authorization

Does the existing permit include authorization for land application of sewage sludge for beneficial use?

Yes No

If yes, are you requesting to continue this authorization to land apply sewage sludge for beneficial use?

Yes No

If yes, is the completed **Application for Permit for Beneficial Land Use of Sewage Sludge (TCEQ Form No. 10451)** attached to this permit application (see the instructions for details)?

Yes No

B. Sludge processing authorization

Does the existing permit include authorization for any of the following sludge processing, storage or disposal options?

Sludge Composting Yes No

Marketing and Distribution of sludge Yes No

Sludge Surface Disposal or Sludge Monofill Yes No

Temporary storage in sludge lagoons Yes No

If yes to any of the above sludge options and the applicant is requesting to continue this authorization, is the completed **Domestic Wastewater Permit Application: Sewage Sludge Technical Report (TCEQ Form No. 10056)** attached to this permit application?

Yes No

Section 11. Sewage Sludge Lagoons (Instructions Page 61)

Does this facility include sewage sludge lagoons?

Yes No

If yes, complete the remainder of this section. If no, proceed to Section 12.

A. Location information

The following maps are required to be submitted as part of the application. For each map, provide the Attachment Number.

- Original General Highway (County) Map:
Attachment: [REDACTED]
- USDA Natural Resources Conservation Service Soil Map:
Attachment: [REDACTED]
- Federal Emergency Management Map:
Attachment: [REDACTED]
- Site map:
Attachment: [REDACTED]

Discuss in a description if any of the following exist within the lagoon area. Check all that apply.

- Overlap a designated 100-year frequency flood plain
- Soils with flooding classification
- Overlap an unstable area
- Wetlands
- Located less than 60 meters from a fault
- None of the above

Attachment: [REDACTED]

If a portion of the lagoon(s) is located within the 100-year frequency flood plain, provide the protective measures to be utilized including type and size of protective structures:

B. Temporary storage information

Provide the results for the pollutant screening of sludge lagoons. These results are in addition to pollutant results in Section 7 of Technical Report 1.0.

Nitrate Nitrogen, mg/kg: [REDACTED]

Total Kjeldahl Nitrogen, mg/kg: [REDACTED]

Total Nitrogen (=nitrate nitrogen + TKN), mg/kg: [REDACTED]

Phosphorus, mg/kg: [REDACTED]

Potassium, mg/kg:

pH, standard units:

Ammonia Nitrogen mg/kg:

Arsenic:

Cadmium:

Chromium:

Copper:

Lead:

Mercury:

Molybdenum:

Nickel:

Selenium:

Zinc:

Total PCBs:

Provide the following information:

Volume and frequency of sludge to the lagoon(s):

Total dry tons stored in the lagoons(s) per 365-day period:

Total dry tons stored in the lagoons(s) over the life of the unit:

C. Liner information

Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic conductivity of 1×10^{-7} cm/sec?

Yes No

If yes, describe the liner below. Please note that a liner is required.

D. Site development plan

Provide a detailed description of the methods used to deposit sludge in the

lagoon(s):

Attach the following documents to the application.

- Plan view and cross-section of the sludge lagoon(s)
Attachment: [REDACTED]
- Copy of the closure plan
Attachment: [REDACTED]
- Copy of deed recordation for the site
Attachment: [REDACTED]
- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons
Attachment: [REDACTED]
- Description of the method of controlling infiltration of groundwater and surface water from entering the site
Attachment: [REDACTED]
- Procedures to prevent the occurrence of nuisance conditions
Attachment: [REDACTED]

E. Groundwater monitoring

Is groundwater monitoring currently conducted at this site, or are any wells available for groundwater monitoring, or are groundwater monitoring data otherwise available for the sludge lagoon(s)?

Yes No

If groundwater monitoring data are available, provide a copy. Provide a profile of soil types encountered down to the groundwater table and the depth to the shallowest groundwater as a separate attachment.

Attachment: [REDACTED]

Section 12. Authorizations/Compliance/Enforcement

(Instructions Page 63)

A. Additional authorizations

Does the permittee have additional authorizations for this facility, such as reuse authorization, sludge permit, etc?

Yes No

If yes, provide the TCEQ authorization number and description of the authorization:

B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

Yes No

Is the permittee required to meet an implementation schedule for compliance or enforcement?

Yes No

If yes to either question, provide a brief summary of the enforcement, the implementation schedule, and the current status:

Section 13. RCRA/CERCLA Wastes (Instructions Page 63)

A. RCRA hazardous wastes

Has the facility received in the past three years, does it currently receive, or will it receive RCRA hazardous waste?

Yes No

B. Remediation activity wastewater

Has the facility received in the past three years, does it currently receive, or will it receive CERCLA wastewater, RCRA remediation/corrective action wastewater or other remediation activity wastewater?

Yes No

C. Details about wastes received

If yes to either Subsection A or B above, provide detailed information concerning these wastes with the application.

Attachment: [click here to enter text](#)

Section 14. Laboratory Accreditation (Instructions Page 64)

All laboratory tests performed must meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification*, which includes the following general exemptions from National Environmental Laboratory Accreditation Program (NELAP) certification requirements:

- The laboratory is an in-house laboratory and is:
 - periodically inspected by the TCEQ; or
 - located in another state and is accredited or inspected by that state; or
 - performing work for another company with a unit located in the same site; or
 - performing pro bono work for a governmental agency or charitable organization.
- The laboratory is accredited under federal law.
- The data are needed for emergency-response activities, and a laboratory accredited under the Texas Laboratory Accreditation Program is not available.
- The laboratory supplies data for which the TCEQ does not offer accreditation.

The applicant should review *30 TAC Chapter 25* for specific requirements.

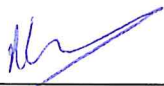
The following certification statement shall be signed and submitted with every application. See the *Signature Page* section in the Instructions, for a list of designated representatives who may sign the certification.

CERTIFICATION:

I certify that all laboratory tests submitted with this application meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification*.

Printed Name: Shaun Vembutty

Title: Manager

Signature: 

Date: 4-13-22

DOMESTIC TECHNICAL REPORT 1.1

The following is required for new and amendment applications

Section 1. Justification for Permit (Instructions Page 66)

A. Justification of permit need

Provide a detailed discussion regarding the need for any phase(s) not currently permitted. Failure to provide sufficient justification may result in the Executive Director recommending denial of the proposed phase(s) or permit.

The wastewater treatment plant will serve the proposed residential development. Based on easement and right of way limitations, no route exists from this site to an organized wastewater treatment facility. The use of a central collection treatment and disposal system is being preferred to an equivalent number of private residential septic tank/drain field units. Design flows are based on Living Unit Equivalents (LUEs) or connections associated with the service area. A basis of 245 gallons of wastewater per day per connection (maximum 30-day wet weather average) was assumed for flow projections. The ultimate flow is based on the total number of houses to be built (3,975 houses). The total flow needed at full build out would be 3,975 connections x 245 gal/day/connection = 975,000 gal/day assumed.

B. Regionalization of facilities

Provide the following information concerning the potential for regionalization of domestic wastewater treatment facilities:

1. Municipally incorporated areas

If the applicant is a city, then Item 1 is not applicable. Proceed to Item 2 Utility CCN areas.

Is any portion of the proposed service area located in an incorporated city?

Yes No Not Applicable

If yes, within the city limits of: _____

If yes, attach correspondence from the city.

Attachment: _____

If consent to provide service is available from the city, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the city versus the cost of the proposed facility or expansion attached.

Attachment: _____

2. Utility CCN areas

Is any portion of the proposed service area located inside another utility's CCN area?

Yes No

If yes, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the CCN facilities versus the cost of the proposed facility or expansion.

Attachment: [REDACTED]

3. Nearby WWTPs or collection systems

Are there any domestic permitted wastewater treatment facilities or collection systems located within a three-mile radius of the proposed facility?

Yes No

If yes, attach a list of these facilities that includes the permittee's name and permit number, and an area map showing the location of these facilities.

Attachment: [REDACTED]

If yes, attach copies of your certified letters to these facilities **and** their response letters concerning connection with their system.

Attachment: [REDACTED]

Does a permitted domestic wastewater treatment facility or a collection system located within three (3) miles of the proposed facility currently have the capacity to accept or is willing to expand to accept the volume of wastewater proposed in this application?

Yes No

If yes, attach an analysis of expenditures required to connect to a permitted wastewater treatment facility or collection system located within 3 miles versus the cost of the proposed facility or expansion.

Attachment: [REDACTED]

Section 2. Organic Loading (Instructions Page 67)

Is this facility in operation?

Yes No

If no, proceed to Item B, Proposed Organic Loading.

If yes, provide organic loading information in Item A, Current Organic Loading

A. Current organic loading

Facility Design Flow (flow being requested in application): [redacted]
[redacted]

Average Influent Organic Strength or BOD₅ Concentration in mg/l: [redacted]
[redacted]

Average Influent Loading (lbs/day = total average flow X average BOD₅ conc. X 8.34): [redacted]

Provide the source of the average organic strength or BOD₅ concentration.

B. Proposed organic loading

This table must be completed if this application is for a facility that is not in operation or if this application is to request an increased flow that will impact organic loading.

Table 1.1(1) - Design Organic Loading

Source	Total Average Flow (MGD)	Influent BOD ₅ Concentration (mg/l)
Municipality		
Subdivision	0.975	400
Trailer park - transient		
Mobile home park		
School with cafeteria and showers		
School with cafeteria,		

Source	Total Average Flow (MGD)	Influent BOD ₅ Concentration (mg/l)
no showers		
Recreational park, overnight use		
Recreational park, day use		
Office building or factory		
Motel		
Restaurant		
Hospital		
Nursing home		
Other		
TOTAL FLOW from all sources	0.975	400
AVERAGE BOD ₅ from all sources		

Section 3. Proposed Effluent Quality and Disinfection (Instructions Page 68)

A. Existing/Interim I Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 10

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 2

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 5.0

Other: [REDACTED]

B. Interim II Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 10

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 2

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 5.0

Other: [REDACTED]

C. Final Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 10

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 2

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 5.0

Other: [REDACTED]

D. Disinfection Method

Identify the proposed method of disinfection.

- Chlorine: 1 mg/l after 20 minutes detention time at peak flow
Dechlorination process: [REDACTED]
- Ultraviolet Light: [REDACTED] seconds contact time at peak flow
- Other: [REDACTED]

Section 4. Design Calculations (Instructions Page 68)

Attach design calculations and plant features for each proposed phase. Example 4 of the instructions includes sample design calculations and plant features.

Attachment: APPENDIX I

Section 5. Facility Site (Instructions Page 68)

A. 100-year floodplain

Will the proposed facilities be located above the 100-year frequency flood level?

Yes No

If **no**, describe measures used to protect the facility during a flood event. Include a site map showing the location of the treatment plant within the 100-year frequency flood level. If applicable, provide the size and types of protective structures.

Provide the source(s) used to determine 100-year frequency flood plain.

FEMA MAP: 48055C0250E (APPENDIX J)

For a new or expansion of a facility, will a wetland or part of a wetland be filled?

Yes No

If **yes**, has the applicant applied for a US Corps of Engineers 404 Dredge and Fill Permit?

Yes No

If **yes**, provide the permit number:

If **no**, provide the approximate date you anticipate submitting your application to the Corps:

B. Wind rose

Attach a wind rose. **Attachment:** APPENDIX K

Section 6. Permit Authorization for Sewage Sludge Disposal (Instructions Page 69)

A. Beneficial use authorization

Are you requesting to include authorization to land apply sewage sludge for beneficial use on property located adjacent to the wastewater treatment facility under the wastewater permit?

Yes No

If **yes**, attach the completed Application for Permit for Beneficial Land Use of Sewage Sludge (TCEQ Form No. 10451)

Attachment: [REDACTED]

B. Sludge processing authorization

Identify the sludge processing, storage or disposal options that will be conducted at the wastewater treatment facility:

- Sludge Composting
- Marketing and Distribution of sludge
- Sludge Surface Disposal or Sludge Monofill

If **any of the above** sludge options are selected, attach a completed DOMESTIC WASTEWATER PERMIT APPLICATION: SEWAGE SLUDGE TECHNICAL REPORT (TCEQ Form No. 10056).

Attachment: [REDACTED]

Section 7. Sewage Sludge Solids Management Plan (Instructions Page 69)

Attach a solids management plan to the application.

Attachment: APPENDIX L

The sewage sludge solids management plan must contain the following information:

- Treatment units and processes dimensions and capacities
- Solids generated at 100, 75, 50, and 25 percent of design flow
- Mixed liquor suspended solids operating range at design and projected actual flow
- Quantity of solids to be removed and a schedule for solids removal
- Identification and ownership of the ultimate sludge disposal site
- For facultative lagoons, design life calculations, monitoring well locations and depths, and the ultimate disposal method for the sludge from the facultative lagoon

An example of a sewage sludge solids management plan has been included as Example 5 of the instructions.

DOMESTIC TECHNICAL REPORT WORKSHEET 2.0

RECEIVING WATERS

The following is required for all TPDES permit applications

Section 1. Domestic Drinking Water Supply (Instructions Page 73)

Is there a surface water intake for domestic drinking water supply located within 5 miles downstream from the point or proposed point of discharge?

Yes No

If yes, provide the following:

Owner of the drinking water supply:

Distance and direction to the intake:

Attach a USGS map that identifies the location of the intake.

Attachment:

Section 2. Discharge into Tidally Affected Waters (Instructions Page 73)

Does the facility discharge into tidally affected waters?

Yes No

If yes, complete the remainder of this section. If no, proceed to Section 3.

A. Receiving water outfall

Width of the receiving water at the outfall, in feet:

B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

Yes No

If yes, provide the distance and direction from outfall(s).

C. Sea grasses

Are there any sea grasses within the vicinity of the point of discharge?

Yes No

If yes, provide the distance and direction from the outfall(s).

Section 3. Classified Segments (Instructions Page 73)

Is the discharge directly into (or within 300 feet of) a classified segment?

Yes No

If yes, this Worksheet is complete.

If no, complete Sections 4 and 5 of this Worksheet.

Section 4. Description of Immediate Receiving Waters (Instructions Page 75)

Name of the immediate receiving waters: West Fork Plum Creek

A. Receiving water type

Identify the appropriate description of the receiving waters.

- Stream
- Freshwater Swamp or Marsh
- Lake or Pond

Surface area, in acres:

Average depth of the entire water body, in feet:

Average depth of water body within a 500-foot radius of discharge point, in feet:

- Man-made Channel or Ditch

- Open Bay
- Tidal Stream, Bayou, or Marsh
- Other, specify:

B. Flow characteristics

If a stream, man-made channel or ditch was checked above, provide the following. For existing discharges, check one of the following that best characterizes the area *upstream* of the discharge. For new discharges, characterize the area *downstream* of the discharge (check one).

- Intermittent - dry for at least one week during most years
- Intermittent with Perennial Pools - enduring pools with sufficient habitat to maintain significant aquatic life uses
- Perennial - normally flowing

Check the method used to characterize the area upstream (or downstream for new dischargers).

- USGS flow records
- Historical observation by adjacent landowners
- Personal observation
- Other, specify:

C. Downstream perennial confluences

List the names of all perennial streams that join the receiving water within three miles downstream of the discharge point.

N/A - None within 3 miles of discharge point.

D. Downstream characteristics

Do the receiving water characteristics change within three miles downstream of the discharge (e.g., natural or man-made dams, ponds, reservoirs, etc.)?

- Yes No

If yes, discuss how.

E. Normal dry weather characteristics

Provide general observations of the water body during normal dry weather conditions.

This is an intermittent stream that is frequently dry with some stock tanks that remain full year round.

Date and time of observation: 03/08/2022

Was the water body influenced by stormwater runoff during observations?

Yes No

Section 5. General Characteristics of the Waterbody (Instructions Page 74)

A. Upstream influences

Is the immediate receiving water upstream of the discharge or proposed discharge site influenced by any of the following? Check all that apply.

- | | |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> Oil field activities | <input type="checkbox"/> Urban runoff |
| <input type="checkbox"/> Upstream discharges | <input checked="" type="checkbox"/> Agricultural runoff |
| <input type="checkbox"/> Septic tanks | <input type="checkbox"/> Other(s), specify |

B. Waterbody uses

Observed or evidences of the following uses. Check all that apply.

- | | |
|--------------------------------------------------------|-------------------------------------------------|
| <input checked="" type="checkbox"/> Livestock watering | <input type="checkbox"/> Contact recreation |
| <input type="checkbox"/> Irrigation withdrawal | <input type="checkbox"/> Non-contact recreation |
| <input type="checkbox"/> Fishing | <input type="checkbox"/> Navigation |

Domestic water supply

Industrial water supply

Park activities

Other(s), specify

[Click here to enter](#)

C. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the receiving water and the surrounding area.

Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional

Natural Area: trees and/or native vegetation; 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

APPENDIX A
CORE DATA FORM



TCEQ Use Only

TCEQ Core Data Form

For detailed instructions regarding completion of this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input type="checkbox"/> Other
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN		RN

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)	
<input type="checkbox"/> New Customer		<input type="checkbox"/> Update to Customer Information	
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)		<input type="checkbox"/> Change in Regulated Entity Ownership	
The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).			
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)		If new Customer, enter previous Customer below:	
Greenwood Ventures Group, LLC			
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
0804426250	32083011356		
11. Type of Customer:		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
<input type="checkbox"/> Corporation		<input type="checkbox"/> Individual	
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship	
<input checked="" type="checkbox"/> Other: Limited Liability Company			
12. Number of Employees		13. Independently Owned and Operated?	
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following			
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator			
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> Voluntary Cleanup Applicant <input type="checkbox"/> Other:			
15. Mailing Address:			
211 E 7 th St. Ste. 620			
City	Austin	State	TX
ZIP	78701	ZIP + 4	
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
		mark@ashtongreydev.com	
18. Telephone Number		19. Extension or Code	
(713) 875-0009			
		20. Fax Number (if applicable)	
		() -	

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If "New Regulated Entity" is selected below this form should be accompanied by a permit application)	
<input checked="" type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information	
The Regulated Entity Name submitted may be updated in order to meet TCEQ Agency Data Standards (removal of organizational endings such as Inc, LP, or LLC).	
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)	
Lockhart Landing Wastewater Treatment Plant	

23. Street Address of the Regulated Entity: (No PO Boxes)					
	City		State	ZIP	ZIP + 4
24. County	Caldwell County				

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:	The property is approximately 1.87 miles southwest of the intersection of Hwy 183 and County Road 214 in Caldwell County, Texas.				
26. Nearest City	Lockhart		State	TX	
			Nearest ZIP Code	78644	
27. Latitude (N) In Decimal:	29.796248		28. Longitude (W) In Decimal:	-97.700731	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
29	47	46.49	-97	42	2.63
29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)	31. Primary NAICS Code (5 or 6 digits)	32. Secondary NAICS Code (5 or 6 digits)		
4952		22132			
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)					
To treat and dispose of domestic wastewater from the proposed subdivision.					
34. Mailing Address:	211 E 7 th St. Ste. 620				
	City	Austin	State	TX	ZIP 78701 ZIP + 4
35. E-Mail Address:					
36. Telephone Number	37. Extension or Code	38. Fax Number (if applicable)			
(713) 875-9		() -			

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.


<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Waste Water	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name:	Daniel Ryan, P.E.	41. Title:	Vice President
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(512) 439-4700		() -	dryan@lja.com

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	Greenwood Ventures Group, LLC	Job Title:	Manager
Name (In Print):	Shaun Vembutty	Phone:	(713) 875- 0009
Signature:		Date:	4-13-22

APPENDIX B

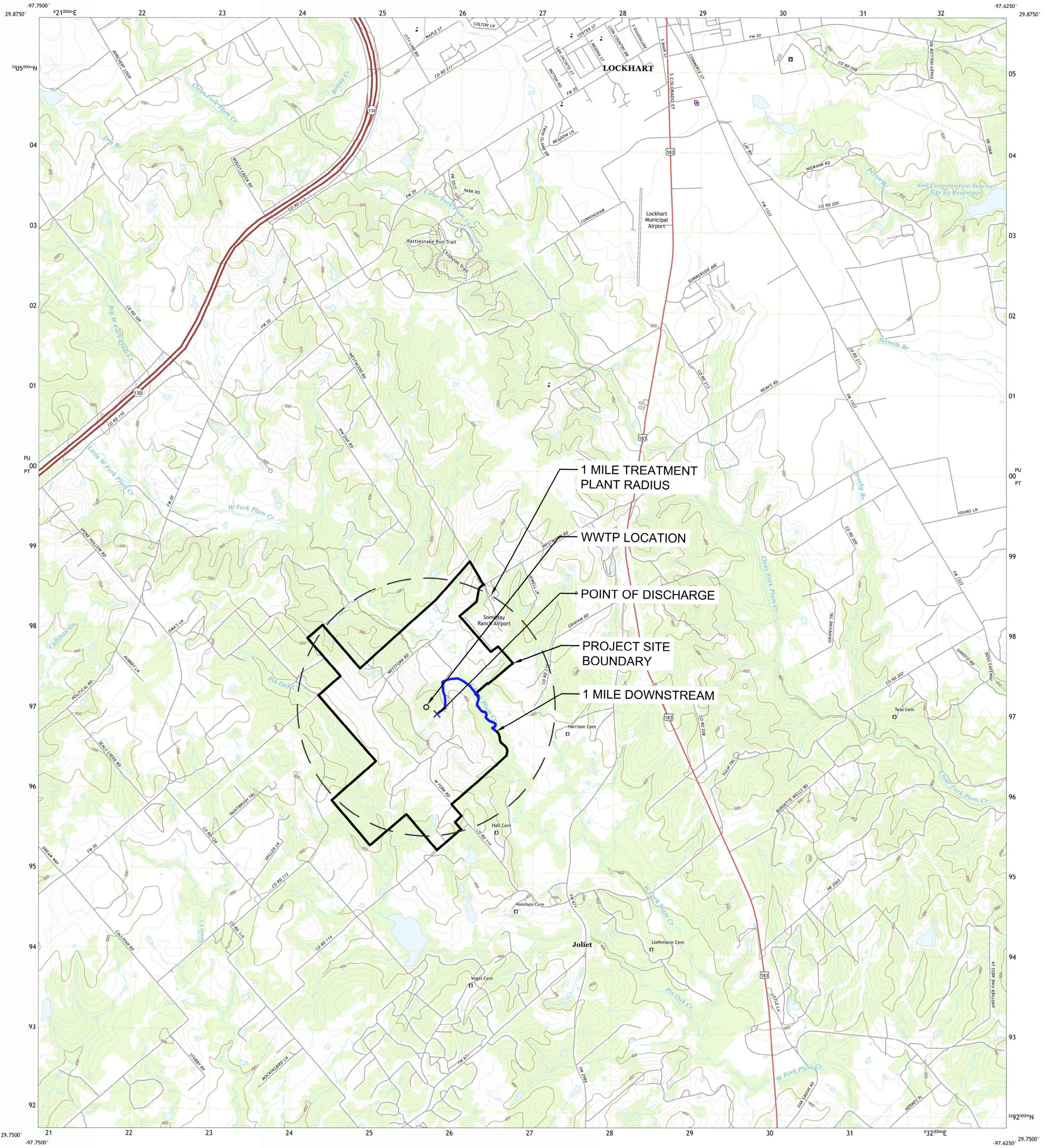
USGS MAP



U.S. DEPARTMENT OF THE INTERIOR
 U.S. GEOLOGICAL SURVEY

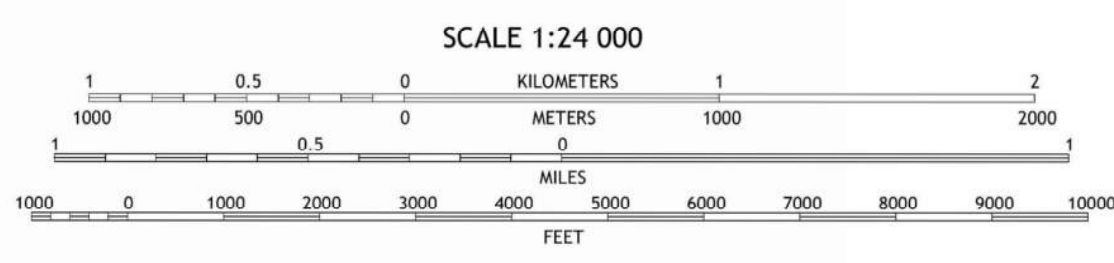
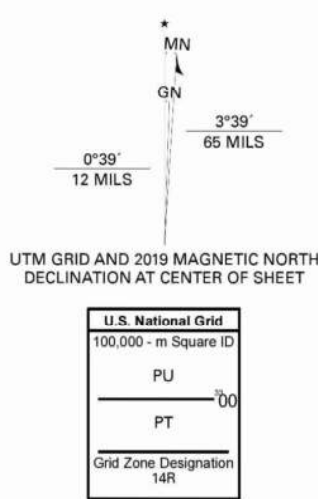


LOCKHART SOUTH QUADRANGLE
 TEXAS - CALDWELL COUNTY
 7.5-MINUTE SERIES



Produced by the United States Geological Survey
 North American Datum of 1983 (NAD83)
 World Geodetic System of 1984 (WGS84), Projection and
 1,000-meter grid/Universal Transverse Mercator, Zone 14R
 This map is not a legal document. Boundaries may be
 generalized for this map scale. Private lands within government
 reservations may not be shown. Obtain permission before
 entering private lands.

Imagery.....NMAP, September 2016 - November 2016
 Roads.....U.S. Census Bureau, 2015
 Names.....GNIS, 1979 - 2018
 Hydrography.....National Hydrography Dataset, 2009 - 2018
 Contours.....National Elevation Dataset, 2004
 Boundaries.....Multiple sources; see metadata file 2016 - 2017
 Wetlands.....FWS National Wetlands Inventory 2003 - 2005



SCALE 1:24 000
 CONTOUR INTERVAL 10 FEET
 NORTH AMERICAN VERTICAL DATUM OF 1988
 This map was produced to conform with the
 National Geospatial Program US Topo Product Standard, 2011.
 A metadata file associated with this product is draft version 0.6.18



1	2	3	1 Umland
4	5	6	2 Lockhart: North
7	8	9	3 Dale
			4 Martindale
			5 McMahon
			6 Kingsbury
			7 Lubing
			8 Harwood

ROAD CLASSIFICATION	
Expressway	Local Connector
Secondary Hwy	Local Road
Ramp	4WD
Interstate Route	US Route
	State Route

LOCKHART SOUTH, TX
 2019

OF SHEETS

LJA Engineering, Inc.
 7500 Rialto Boulevard
 Building II, Suite 100
 Austin, Texas 78735
 Phone 512.439.4700
 Fax 512.439.4716
 FRN - F-1386

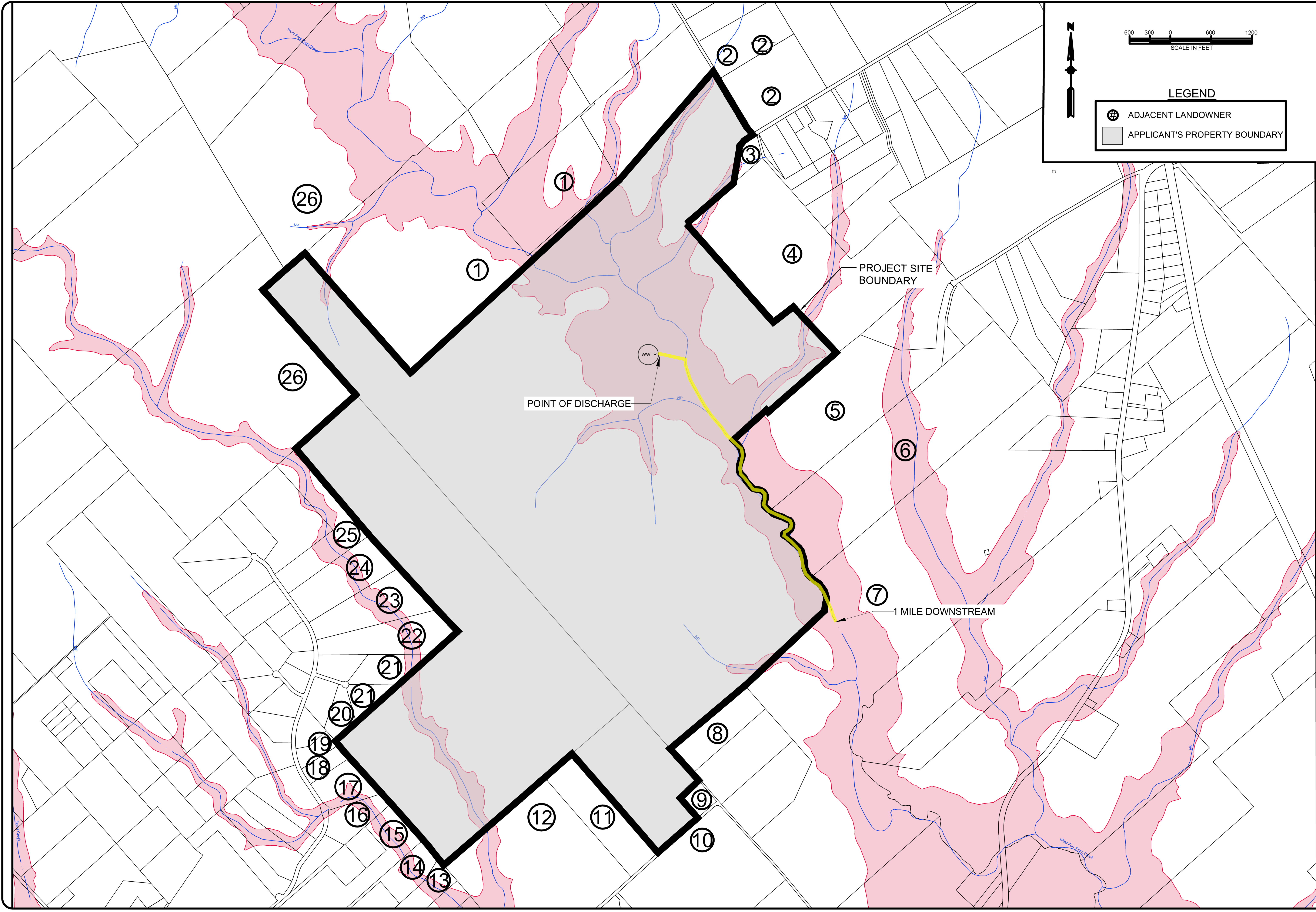
DATE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:	DRAWING NAME:

REVISIONS			
NO.	DESCRIPTION	BY	DATE

LOCKHART TRACT
 USGS MAP

APPENDIX C
AFFECTED LANDOWNERS MAP AND LIST

w:\A27\Lockhart\WMP Application\submittal\Landowner Map.dwg
 user: icone
 plot Modified: May 24, 22 - 10:19
 by: icone



LOCKHART TRACT
ADJACENT LANDOWNER MAP

NO.	REVISIONS	DESCRIPTION	BY	DATE

DATE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:	DRAWING NAME:

LJA Engineering, Inc.
 7500 Rialto Boulevard
 Building II, Suite 100
 Austin, Texas 78735
 Phone 512.439.4700
 Fax 512.439.4716
 FRN - F-1386

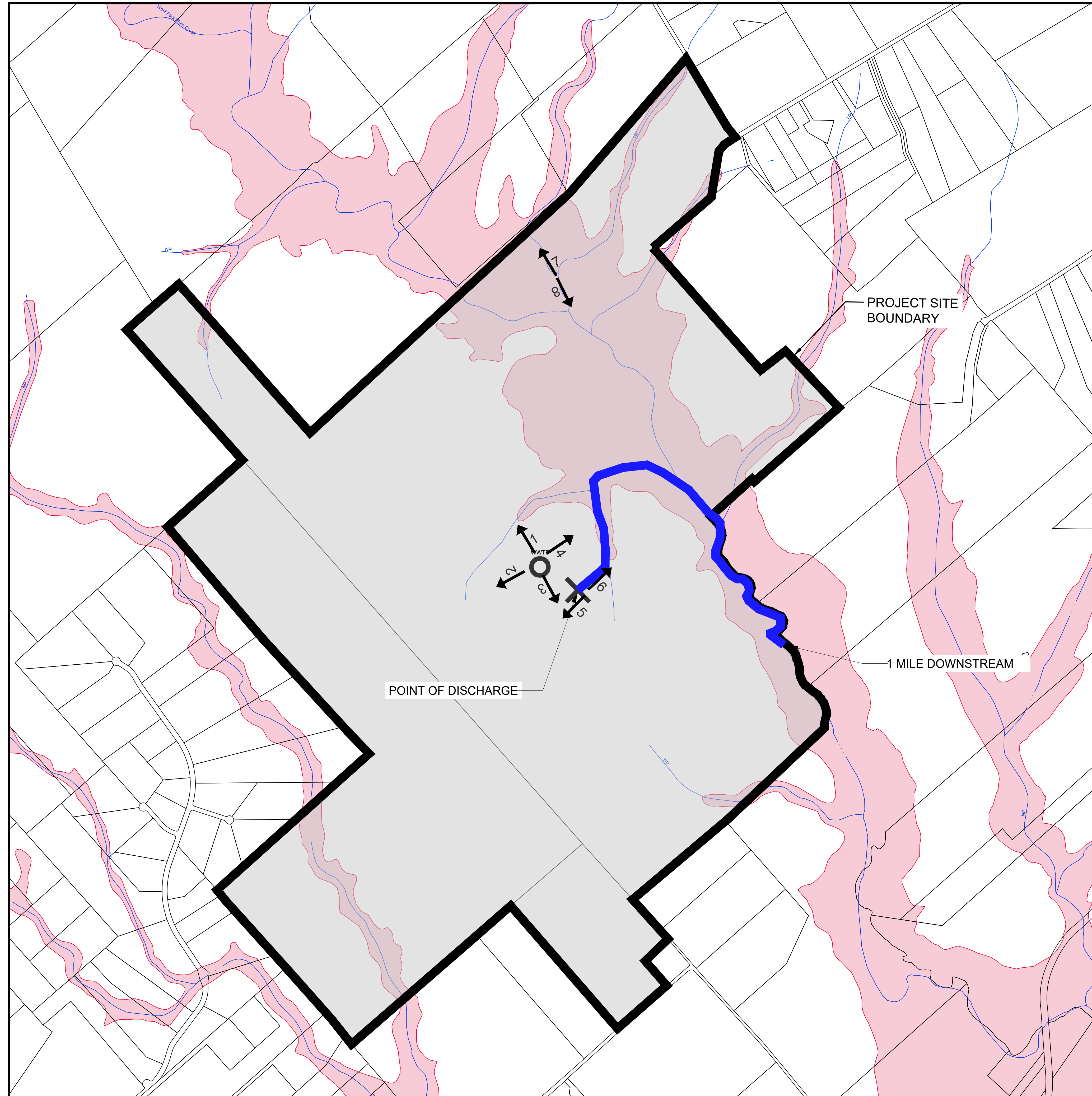
JOB NUMBER:
 A474

SHEET NO.

Map Number	Property ID Number	Landowner Name	Landowner Address (1)	Landowner Address (2)
1	R039108, R613503	LINDSEY LARRY J	1635 WESTWOOD RD	LOCKHART TX 78644
2	R039114, R039117	MCMINN WILLIAM CORY	1114 WESTWOOD RD	LOCKHART TX 78644
3	R327066, R493757, R327065	LEMONS DENVER JOE	1303 WESTWOOD RD	LOCKHART TX 78644
4	R327067	CYRIER JOHN P	1301 WESTWOOD RD	LOCKHART TX 78644
5	R330722	OLSEN ERNESTINE & JENS	874 GRAHAM RD	LOCKHART TX 78644
6	R040175, R040159	GRAHAM DONALD F & LOUISE C REV. LIV. TR.	905 GRAHAM RD	LOCKHART TX 78644
7	R040211	DOYLE JERRY	832 FM 671	LOCKHART TX 78644
8	R445850	O'KEEFE ROBERT & SUSAN	350 GOLDRUSH CIR	WIMBERLY TX 78676
9	R578131, R039773	MURCHISON-BASS WANDA GAIL	135 WEST FORK RD	LOCKHART TX 78644
10	R039711, R039779	VINKLAREK SUSAN E	8901 BROOK HILL LN	FORT WORTH TX 76244
11	R573705	BONNELL RALPH E & JANICE D	6802 MANZANITA	AUSTIN TX 78759
12	R360201, R324210, R337190	TWARDOWSKI RAYMOND J	126 CANYON OAKS DR	SAN ANTONIO TX 78232
13	R337402	TIMMS NICKY	715 SIERRA DR	LOCKHART TX 78644
14	R039692, R039771	MATTHEWS TAMMY M & JAMES R	689 SIERRA DR	LOCKHART TX 78644
		SIERRA ERICA H	PO BOX 62	SAN MARCOS TX 78667
		CORTEZ FELIX A	101 QUAIL RIDGE DR	KYLE TX 78640
		NULL	NULL	NULL
		MARTINEZ JUAN CARLOS & BONILLA GLENDA PATRICIA VELASQUEZ	5000 GOOD WOOD DR APT B	AUSTIN TX 78744
		BRADFORD JUSTIN & PAULA	130 PECANWOOD N	KYLE TX 78640
		BAUMBACH KEN & KRISTI	222 HIDDEN HOLLOW	LOCKHART TX 78644
		JONES STEVE & DEBBIE	229 HIDDEN HOLLOW	LOCKHART TX 78644
		KEATON KERRI & JAMES	334 W MEDLOCK DR UNIT C102	PHOENIX AZ 85013
		LAMMERS MICHAEL J & DENISE M	970 SPANISH OAKS BLVD	LOCKHART TX 78644
		HVERDA BENJAMIN & STEPHANIE	1018 SPANISH OAKD BLVD	LOCKHART TX 78644
		SANDOVAL MARIO ALBERTO	15590 FM 1660	TAYLOR TX 76574
		CE STEPHENS PROPERTIES LLC	680 WESTWOOD RD	LOCKHART TX 78644

APPENDIX D
ORIGINAL PHOTOGRAPHS

W:\V\174\Lockhart\W\WP Application\enrich\14\1 Landowner Map_revised.dwg
 User: jrc
 Date Modified: May 24, 22 - 17:23
 Plot Date/Time: Jun 30, 22 - 17:37:19



LEGEND

APPLICANT'S PROPERTY BOUNDARY



LOCKHART TRACT
ORIGINAL SITE PHOTOGRAPHS

NO.	REVISIONS	DESCRIPTION	DATE	BY	DATE

LJA Engineering, Inc.
 7500 Riata Boulevard
 Building II, Suite 100
 Austin, Texas 78735
 Phone 512.439.4700
 Fax 512.439.4716
 FRN - F-1386

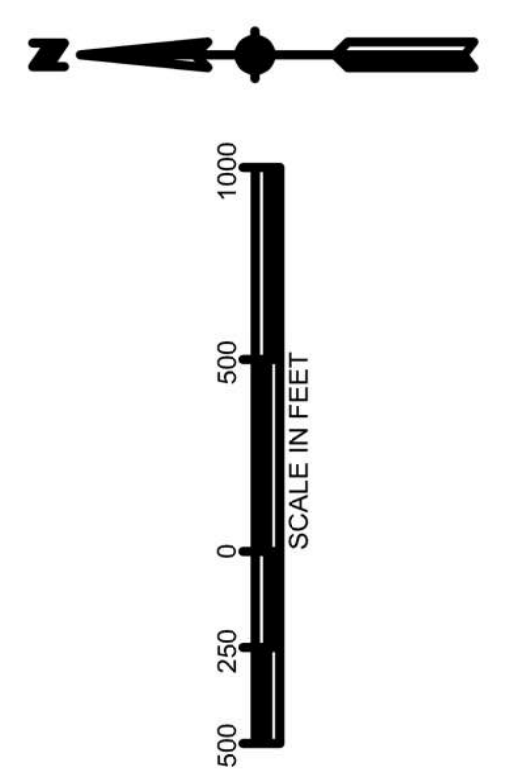
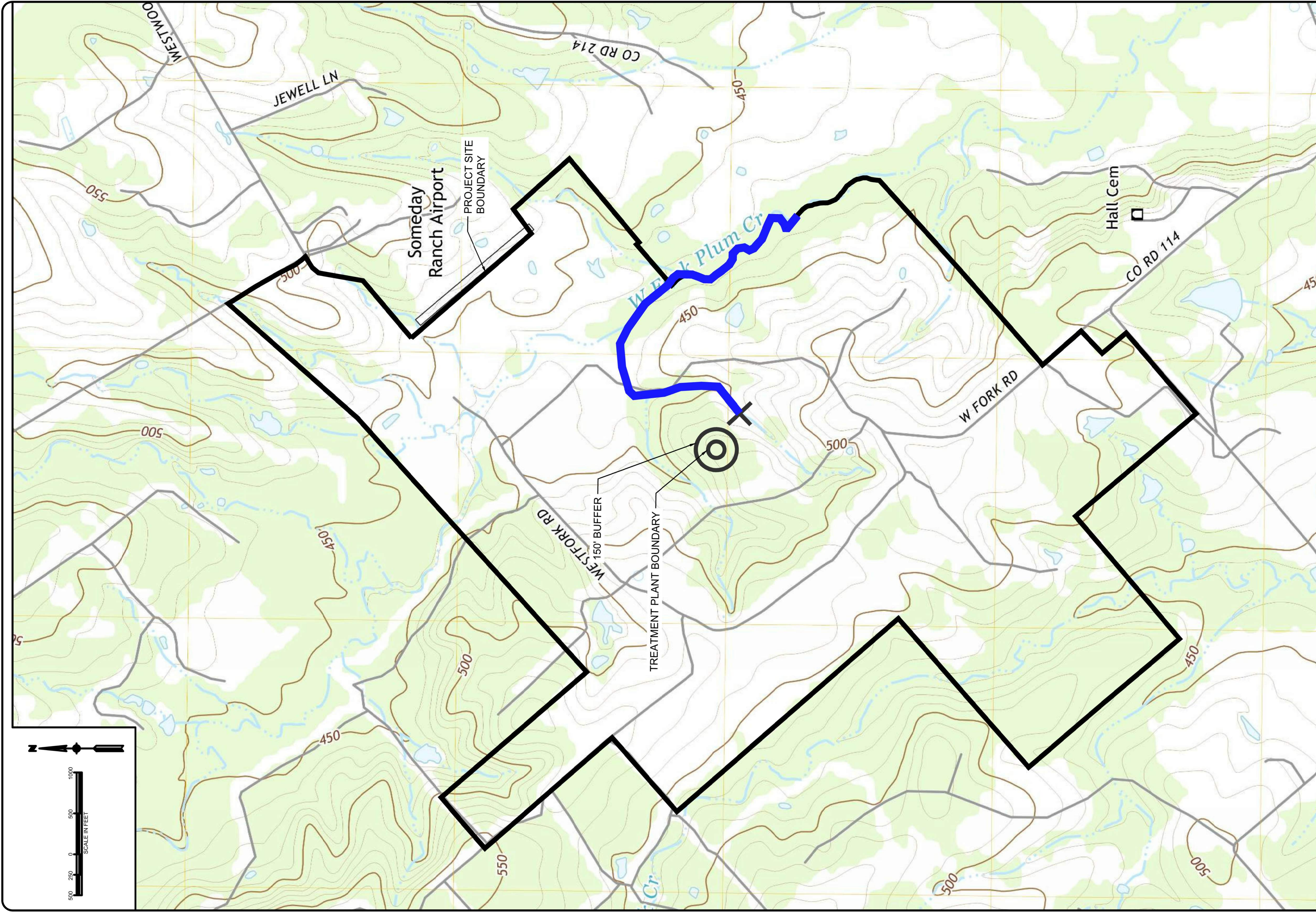
JOB NUMBER:
A343

SHEET NO.

OF SHEETS

APPENDIX E
BUFFER ZONE MAP

W:\A\A\Lockhart\WMP Application\uehsh\Buffer Zone Map.dwg
 User: lorene
 Last Modified: Mar 03, 2011 11:10
 Plot Style Name: dsb.ctb 11/20/04



OF SHEETS

SHEET NO.

JOB NUMBER:
A343

LJA Engineering, Inc.
 7500 Rialto Boulevard
 Building II, Suite 100
 Austin, Texas 78735
 Phone 512.439.4700
 Fax 512.439.4716
 FRN - F-1986

DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 DRAWING NAME: _____

NO.	REVISIONS	DESCRIPTION	BY	DATE

**LOCKHART TRACT
 BUFFER ZONE MAP**

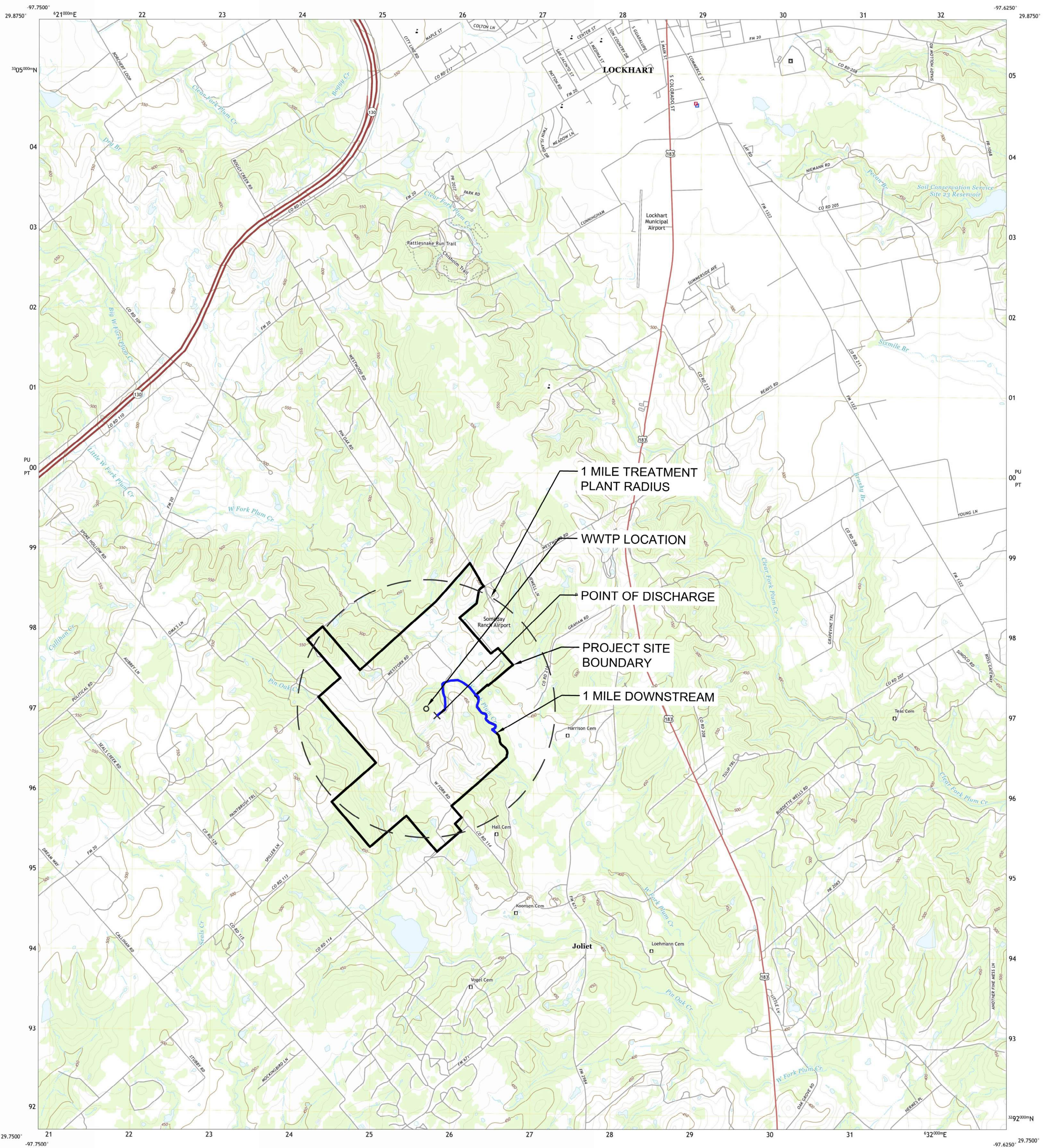
APPENDIX F
SPIF USGS MAP



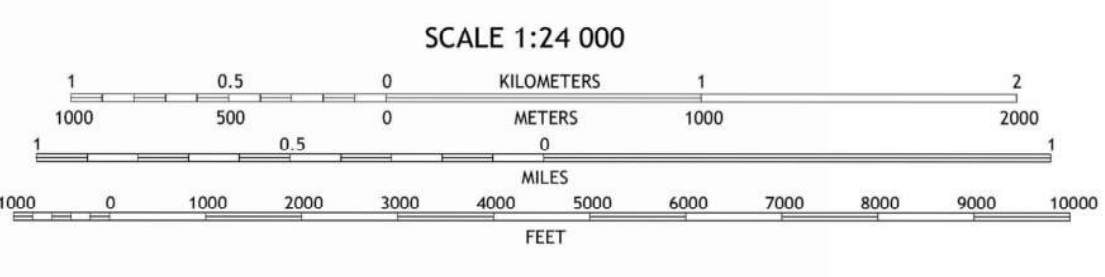
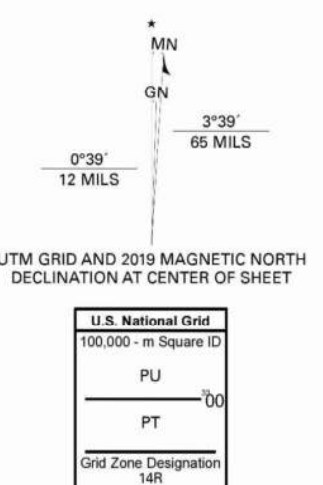
U.S. DEPARTMENT OF THE INTERIOR
 U.S. GEOLOGICAL SURVEY



LOCKHART SOUTH QUADRANGLE
 TEXAS - CALDWELL COUNTY
 7.5-MINUTE SERIES



Produced by the United States Geological Survey
 North American Datum of 1983 (NAD83)
 World Geodetic System of 1984 (WGS84), Projection and
 1,000 meter grid/Universal Transverse Mercator, Zone 14R
 This map is not a legal document. Boundaries may be
 generalized for this map scale. Private lands within government
 reservations may not be shown. Obtain permission before
 entering private lands.



ROAD CLASSIFICATION

Expressway	Local Connector
Secondary Hwy	Local Road
Ramp	4WD
Interstate Route	US Route
	State Route

ADJOINING QUADRANGLES

1	2	3	1 Umland
4	5	6	2 Lockhart: North
7	8	9	3 Dale
			4 Martindale
			5 McMahon
			6 Kingsbury
			7 Lubing
			8 Harwood

LOCKHART SOUTH, TX
 2019

OF SHEETS

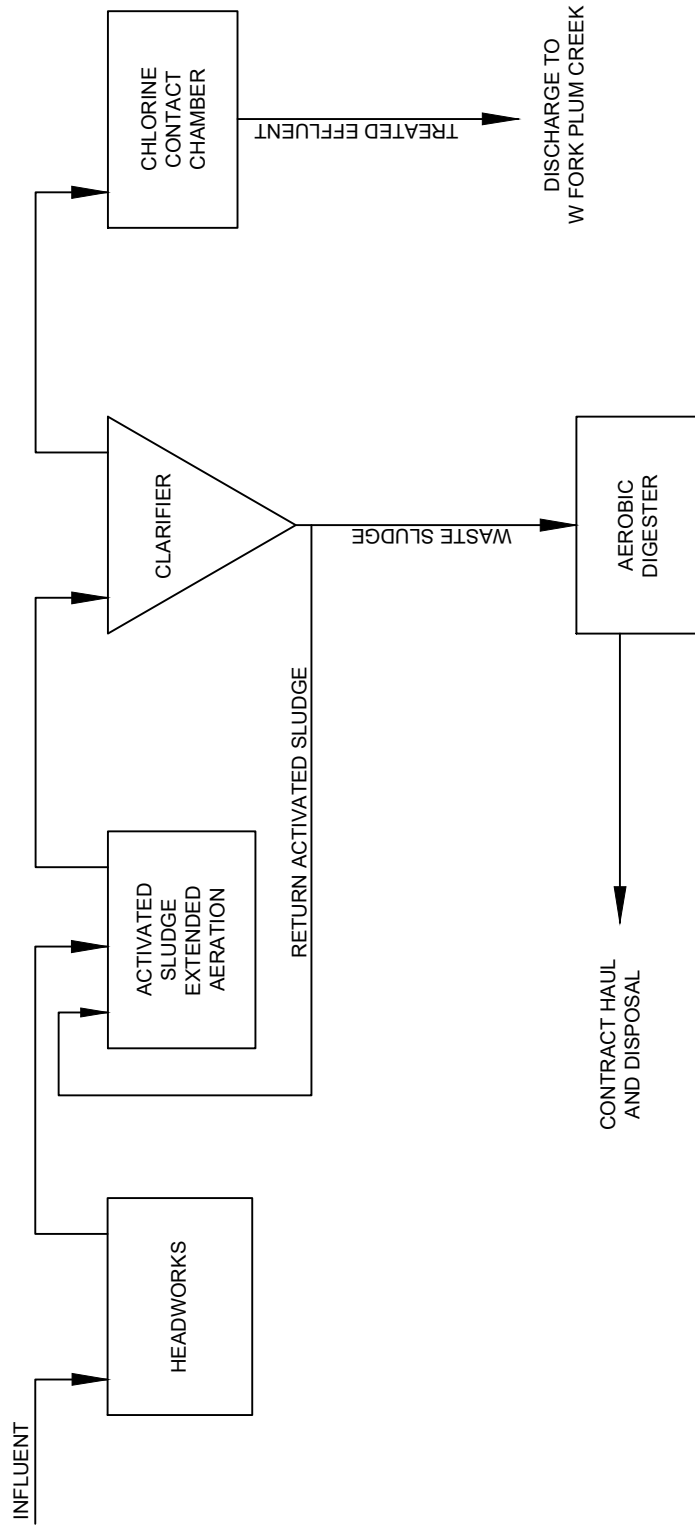
LJA Engineering, Inc.
 7500 Rialto Boulevard
 Building II, Suite 100
 Austin, Texas 78735
 Phone 512.439.4700
 Fax 512.439.4716
 FRN - F-1386

DATE: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 DRAWING NAME: _____

REVISIONS			
NO.	DESCRIPTION	BY	DATE

LOCKHART TRACT
 USGS MAP

APPENDIX G
PROCESS FLOW DIAGRAM



FOR PLANNING PURPOSES ONLY

FIRST AND FINAL PHASES

LJA Engineering, Inc.

7500 Rialto Boulevard
 Building II, Suite 100
 Austin, Texas 78735

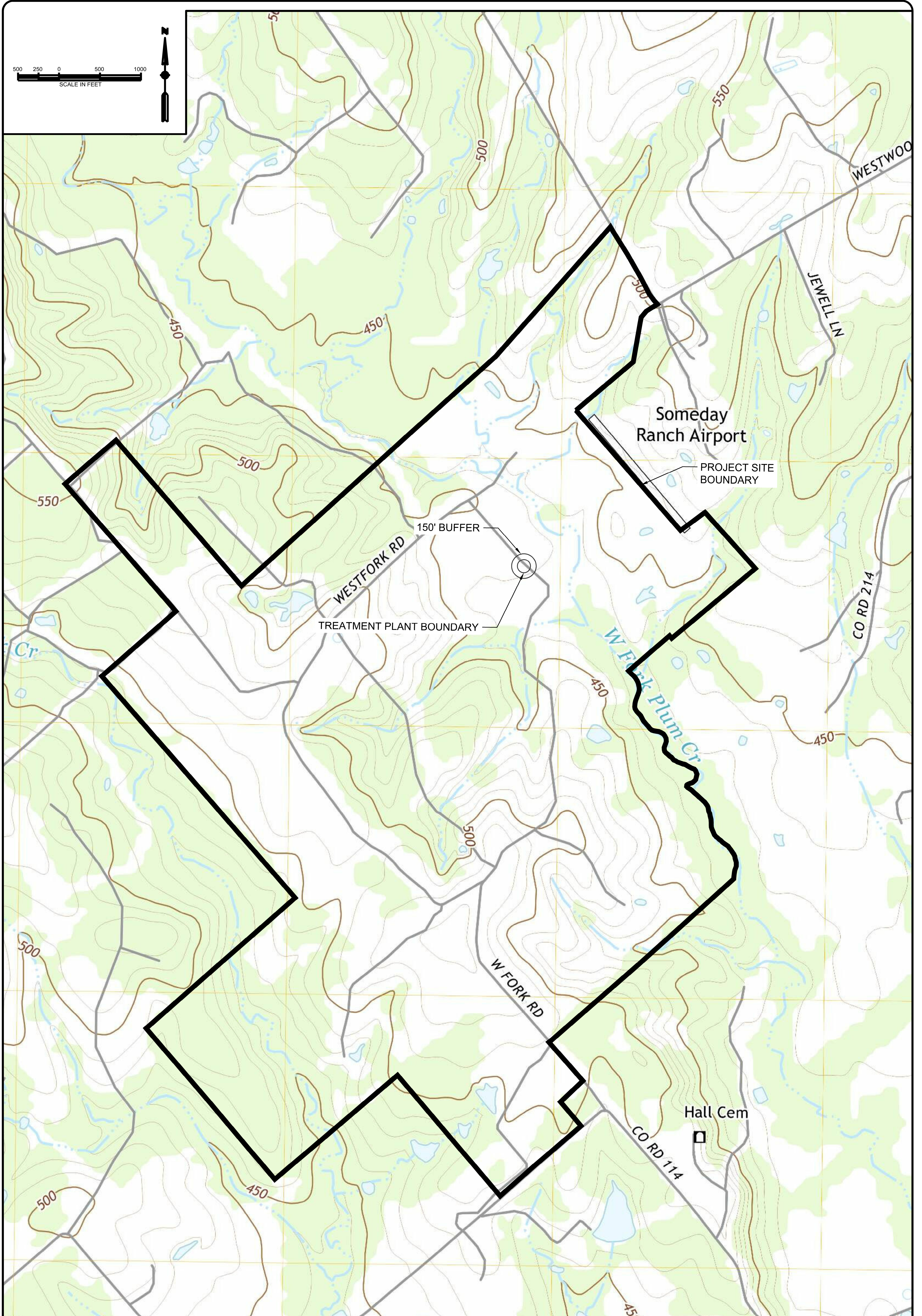


Phone 512.439.4700
 Fax 512.439.4716

LOCKHART LANDING WWTP

FLOW DIAGRAM

APPENDIX H
SITE DRAWING



OF SHEETS

SHEET NO. _____

JOB NUMBER: **AS43**

LJA Engineering, Inc.
 7500 Rialto Boulevard
 Building II, Suite 100
 Austin, Texas 78735

Phone 512.439.4700
 Fax 512.439.4716
 FRN - F-1386

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

CHECKED BY: _____

DRAWING NAME: _____

REVISIONS			
NO.	DESCRIPTION	BY	DATE

LOCKHART TRACT
BUFFER ZONE MAP

000092

APPENDIX I
DESIGN CALCULATIONS

Lockhart Landing - WWTP FLOW PHASES

Phase 1		Phase 2		Phase 3	
Assumptions		Assumptions		Assumptions	
Average Flow per LUE =	245 gpd	Average Flow per LUE =	245 gpd	Average Flow per LUE =	245 gpd
Average Density	3 LUEs/Ac	Average Density	3 LUEs/Ac	Average Density	3 LUEs/Ac
I/I for Wet Peak	750 gpd/Ac	I/I for Wet Peak	750 gpd/Ac	I/I for Wet Peak	750 gpd/Ac
LUEs	1,325	LUEs	2,650	LUEs	3,975
Average Daily Flow	324,625 gpd	Average Daily Flow	649,250 gpd	Average Daily Flow	973,875 gpd
	225 gpm	Average Daily Flow	451 gpm	Average Daily Flow	676 gpm
Dry Peaking Factor	3.27	Dry Peaking Factor	2.99	Dry Peaking Factor	2.81
Peak Dry Flow	738 gpm	Peak Dry Flow	1,347 gpm	Peak Dry Flow	1,901 gpm
Service Area	400 acres	Service Area	400 acres	Service Area	400 acres
I/I for Peak Wet	300,000 gpd	I/I for Peak Wet	300,000 gpd	I/I for Peak Wet	300,000 gpd
	208 gpm		208 gpm		208 gpm
Total Peak Wet Flow	947 gpm	Total Peak Wet Flow	1,555 gpm	Total Peak Wet Flow	2,109 gpm
Minimum Flow Factor	0.25	Minimum Flow Factor	0.29	Minimum Flow Factor	0.31
Minimum Flow	57 gpm	Minimum Flow	131 gpm	Minimum Flow	212 gpm

Lockhart Landing Extended Air Process Design (TCEQ Checklist)

Phase 1	
Design Flow (from Summary Sheet)	0.325 mgd
Peak Flow (from Summary Sheet)	1.063 mgd
Design Organic Load	400 lb BOD / day

Clarifier Design

(Criteria)

Maximum Surface Loading @ Peak Flow	900 gpd/ft ²
Minimum Detention Time @ Peak Flow	2 hrs
Maximum Surface Loading @ Design Flow	450 gpd/ft ²
Minimum Detention Time @ Design Flow	4 hrs
Surface Area Required (Peak Flow)	1181.1 ft ²
Surface Area Required (Design Flow)	722.2 ft ²
Volume Required (Peak Flow)	11,843 ft ³
Volume Required (Design Flow)	7,242 ft ³
Depth Required (Peak Flow)	10.0 ft
Depth Required (Design Flow)	10.0 ft
Maximum Return Sludge Underflow Rate	400.0 gpd/ft ²
Minimum Return Sludge Underflow Rate	200.0 gpd/ft ²

(Calculations)

Proposed Sidewater Depth	10	ft
Proposed Clarifier Diameter	31	ft
Clarifier Surface Area	755	ft ²
Clarifier Volume	7,548	ft ³

Note - Min SWD is 8 ft, 10 ft if area > 1250 ft²

Maximum Return Sludge Underflow Rate	210 gpm
Minimum Return Sludge Underflow Rate	105 gpm
RAS Line Size (min 3 ft/sec velocity)	4 inches

Aeration System Design

(Criteria)

Organic Loading 15 lb BOD/day/1000 ft³
 Actual Design Load 400 lb BOD/day

Required Volume ft³

scf / lb BOD
 (assumes 4.0%
 transfer

Required Air Flow 3200 efficiency)

(Calculations)

Proposed Sidewater Depth ft

Note - Min SWD is
 8 ft

Surface Area ft²

Air Flow scfm

Aerobic Digester Design

(Criteria)

Volume Required 20 ft³ / lb BOD
 or 15 days SRT

Air Required 30 scfm/ 1000 ft³ volume

(Calculations)

Proposed Volume ft³

Proposed Sidewater Depth ft

Surface Area ft²

Required Air Flow scfm

Chlorine Contact Design

(Criteria)

Minimum Contact Time 20 minutes @ Peak Flow

(Calculations)

Proposed Volume ft³

Proposed Sidewater Depth ft

Surface Area ft²

Bullseye Type Plant Summary	Depth	Area	Degrees of Arc	Actual Area
Aeration Basin	10	2,667	265	2,696
Clarifier	10	755	N/A	755
Chlorine Contact	10	197	15	153
Digester	10	800	80	814
Total		4,419	360	4,418

Lockhart Landing Extended Air Process Design (TCEQ Checklist)

Phase 2

Design Flow (from Summary Sheet)	0.650 mgd
Peak Flow (from Summary Sheet)	1.939 mgd
Design Organic Load	400 lb BOD / day

Clarifier Design

(Criteria)

Maximum Surface Loading @ Peak Flow	900 gpd/ft ²
Minimum Detention Time @ Peak Flow	2 hrs
Maximum Surface Loading @ Design Flow	450 gpd/ft ²
Minimum Detention Time @ Design Flow	4 hrs
Surface Area Required (Peak Flow)	2154.4 ft ²
Surface Area Required (Design Flow)	1444.4 ft ²
Volume Required (Peak Flow)	21,602 ft ³
Volume Required (Design Flow)	14,483 ft ³
Depth Required (Peak Flow)	10.0 ft
Depth Required (Design Flow)	10.0 ft
Maximum Return Sludge Underflow Rate	400.0 gpd/ft ²
Minimum Return Sludge Underflow Rate	200.0 gpd/ft ²

(Calculations)

Proposed Sidewater Depth	<input type="text" value="10"/> ft
Proposed Clarifier Diameter	<input type="text" value="43"/> ft
Clarifier Surface Area	<input type="text" value="1,452"/> ft ²
Clarifier Volume	<input type="text" value="14,522"/> ft ³

*Note - Min SWD is
8 ft, 10 ft if area >
1250 ft²*

Maximum Return Sludge Underflow Rate	403 gpm
Minimum Return Sludge Underflow Rate	202 gpm
RAS Line Size (min 3 ft/sec velocity)	4 inches

Aeration System Design

(Criteria)

Organic Loading 15 lb BOD/day/1000 ft³
 Actual Design Load 400 lb BOD/day

Required Volume ft³

scf / lb BOD
 (assumes 4.0%
 transfer

Required Air Flow 3200 efficiency)

(Calculations)

Proposed Sidewater Depth ft

Note - Min SWD is
 8 ft

Surface Area ft²

Air Flow scfm

Aerobic Digester Design

(Criteria)

Volume Required 20 ft³ / lb BOD
 or 15 days SRT

Air Required 30 scfm/ 1000 ft³ volume

(Calculations)

Proposed Volume ft³

Proposed Sidewater Depth ft

Surface Area ft²

Required Air Flow scfm

Chlorine Contact Design

(Criteria)

Minimum Contact Time 20 minutes @ Peak Flow

(Calculations)

Proposed Volume ft³

Proposed Sidewater Depth ft

Surface Area ft²

Bullseye Type Plant Summary	Depth	Area	Degrees of Arc	Actual Area
Aeration Basin	10	2,667	265	3,108
Clarifier	10	1,452	N/A	1,452
Chlorine Contact	10	360	15	176
Digester	10	800	80	938
Total		5,279	360	5,675

Lockhart Landing Extended Air Process Design (TCEQ Checklist)

Phase 3

Design Flow (from Summary Sheet)	0.975 mgd
Peak Flow (from Summary Sheet)	2.737 mgd
Design Organic Load	400 lb BOD / day

Clarifier Design

(Criteria)

Maximum Surface Loading @ Peak Flow	900 gpd/ft ²
Minimum Detention Time @ Peak Flow	2 hrs
Maximum Surface Loading @ Design Flow	450 gpd/ft ²
Minimum Detention Time @ Design Flow	4 hrs
Surface Area Required (Peak Flow)	3041.2 ft ²
Surface Area Required (Design Flow)	2166.67 ft ²
Volume Required (Peak Flow)	30,494 ft ³
Volume Required (Design Flow)	21,725 ft ³
Depth Required (Peak Flow)	10.0 ft
Depth Required (Design Flow)	10.0 ft
Maximum Return Sludge Underflow Rate	400.0 gpd/ft ²
Minimum Return Sludge Underflow Rate	200.0 gpd/ft ²

(Calculations)

Proposed Sidewater Depth	<input type="text" value="10"/>	10 ft
Proposed Clarifier Diameter	<input type="text" value="53"/>	53 ft
Clarifier Surface Area	<input type="text" value="2,206"/>	2,206 ft ²
Clarifier Volume	<input type="text" value="22,062"/>	22,062 ft ³
Maximum Return Sludge Underflow Rate		613 gpm
Minimum Return Sludge Underflow Rate		306 gpm
RAS Line Size (min 3 ft/sec velocity)		4 inches

Note - Min SWD is 8 ft, 10 ft if area > 1250 ft²

Aeration System Design

(Criteria)

Organic Loading	15 lb BOD/day/1000 ft ³	
Actual Design Load	400 lb BOD/day	
Required Volume	<input type="text" value="26667"/>	26667 ft ³
Required Air Flow	3200	scf / lb BOD (assumes 4.0% transfer efficiency)

(Calculations)

Proposed Sidewater Depth ft *Note - Min SWD is 8 ft*
 Surface Area ft²
 Air Flow scfm

Aerobic Digester Design
(Criteria)

Volume Required 20 ft³ / lb BOD
 or 15 days SRT
 Air Required 30 scfm/ 1000 ft³ volume

(Calculations)

Proposed Volume ft³
 Proposed Sidewater Depth ft
 Surface Area ft²
 Required Air Flow scfm

Chlorine Contact Design
(Criteria)

Minimum Contact Time 20 minutes @ Peak Flow

(Calculations)

Proposed Volume ft³
 Proposed Sidewater Depth ft
 Surface Area ft²

Bullseye Type Plant Summary	Depth	Area	Degrees of Arc	Actual Area
Aeration Basin	10	2,667	265	3,059
Clarifier	10	2,206	N/A	2,206
Chlorine Contact	10	508	15	173
Digester	10	800	80	923
Total		6,181	360	6,362

APPENDIX J
FEMA FLOOD MAPS

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations (BFEs)** and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Texas State Plane - south central zone (FIPSZONE 4204). The horizontal datum was NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of the FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov/> or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSM-C-3, #9202
1315 East-West Highway
Silver Spring, MD 20910-3282

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at <http://www.ngs.noaa.gov/>.

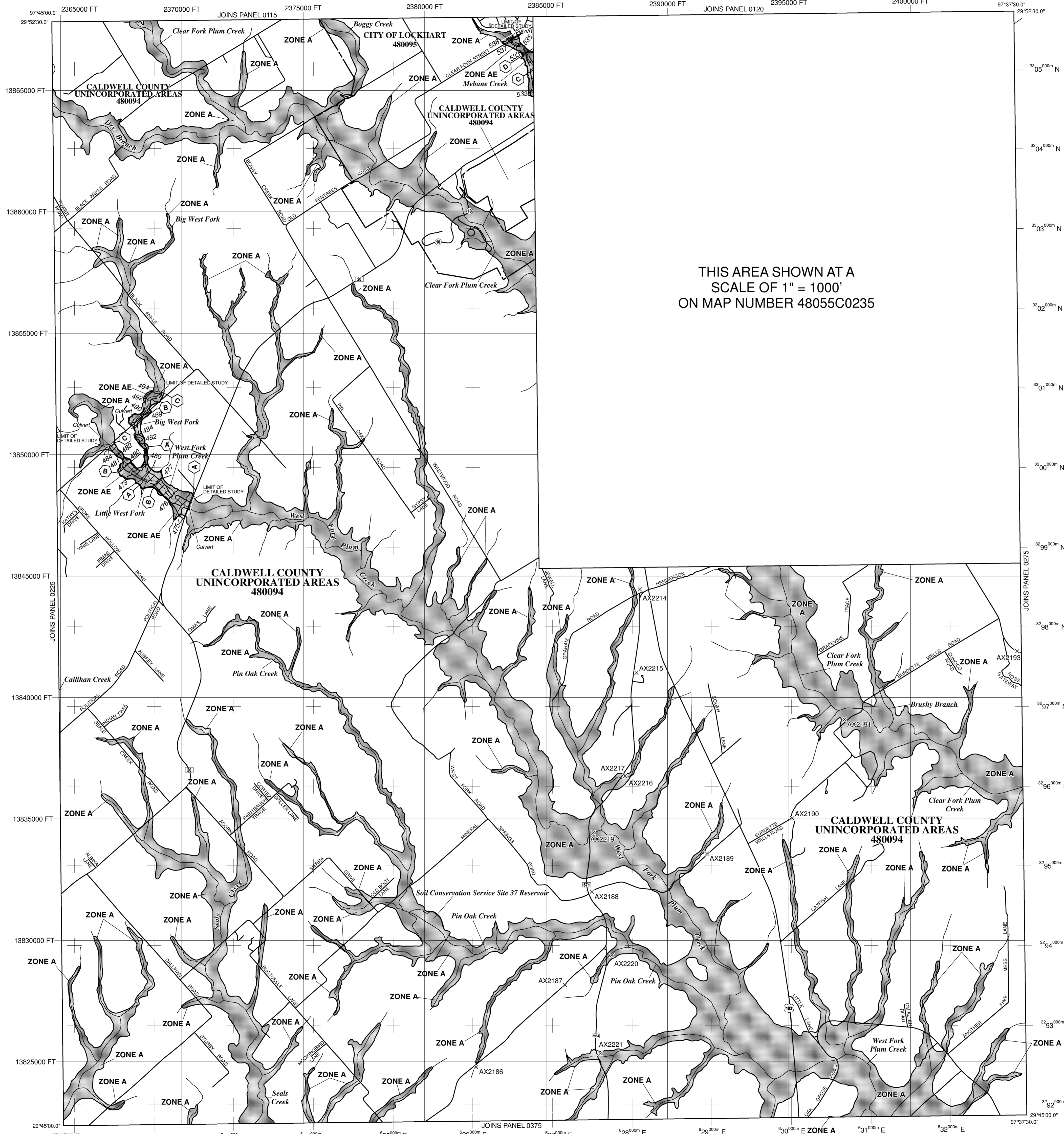
Base map information shown on this FIRM was provided in digital format by the Texas Natural Resource Information System (TNRIS). This information was photogrammetrically compiled at a scale of at least 1:24,000 from aerial photography dated 2004.

This map reflects more detailed and up-to-date **stream channel configurations** and **floodways** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

For information and questions about this map, available products associated with this FIRM including historic versions of this FIRM, how to order products or the National Flood Insurance Program in general, please call the FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-2627) or visit the **FEMA Map Service Center** website at <http://msc.fema.gov>. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website. Users may determine the current map date for each FIRM panel by visiting the **FEMA Map Service Center** website or by calling the FEMA Map Information eXchange.



LEGEND

- SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD**
- The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.
- ZONE A**
No Base Flood Elevations determined.
- ZONE AE**
Base Flood Elevations determined.
- ZONE AH**
Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO**
Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR**
Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently destroyed. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99**
Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V**
Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE**
Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.
- FLOODWAY AREAS IN ZONE AE**
- The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.
- OTHER FLOOD AREAS**
- ZONE X**
Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.
- OTHER AREAS**
- ZONE X**
Areas determined to be outside the 0.2% annual chance floodplain.
- ZONE D**
Areas in which flood hazards are undetermined, but possible.
- COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS**
- OTHERWISE PROTECTED AREAS (OPAs)**
- CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.
- Floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- Base Flood Elevation line and value; elevation in feet*
- Base Flood Elevation value where uniform within zone; elevation in feet*
- * Referenced to the North American Vertical Datum of 1988 (NAVD 88)
- MAP REPOSITORIES
Refer to Map Repositories list on Map Index
- EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
June 19, 2012
- EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

MAP SCALE 1" = 2000'

1000 0 2000 4000 FEET
600 0 600 1200 METERS

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0250E

FIRM
FLOOD INSURANCE RATE MAP
CALDWELL COUNTY,
TEXAS
AND INCORPORATED AREAS

PANEL 250 OF 425
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:	NUMBER	PANEL	SUFFIX
COMMUNITY	480094	0250	E
CALDWELL COUNTY	480095	0250	E
LOCKHART, CITY OF			

Note to User: The **Map Number** shown below should be used when placing map orders. The **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
48055C0250E

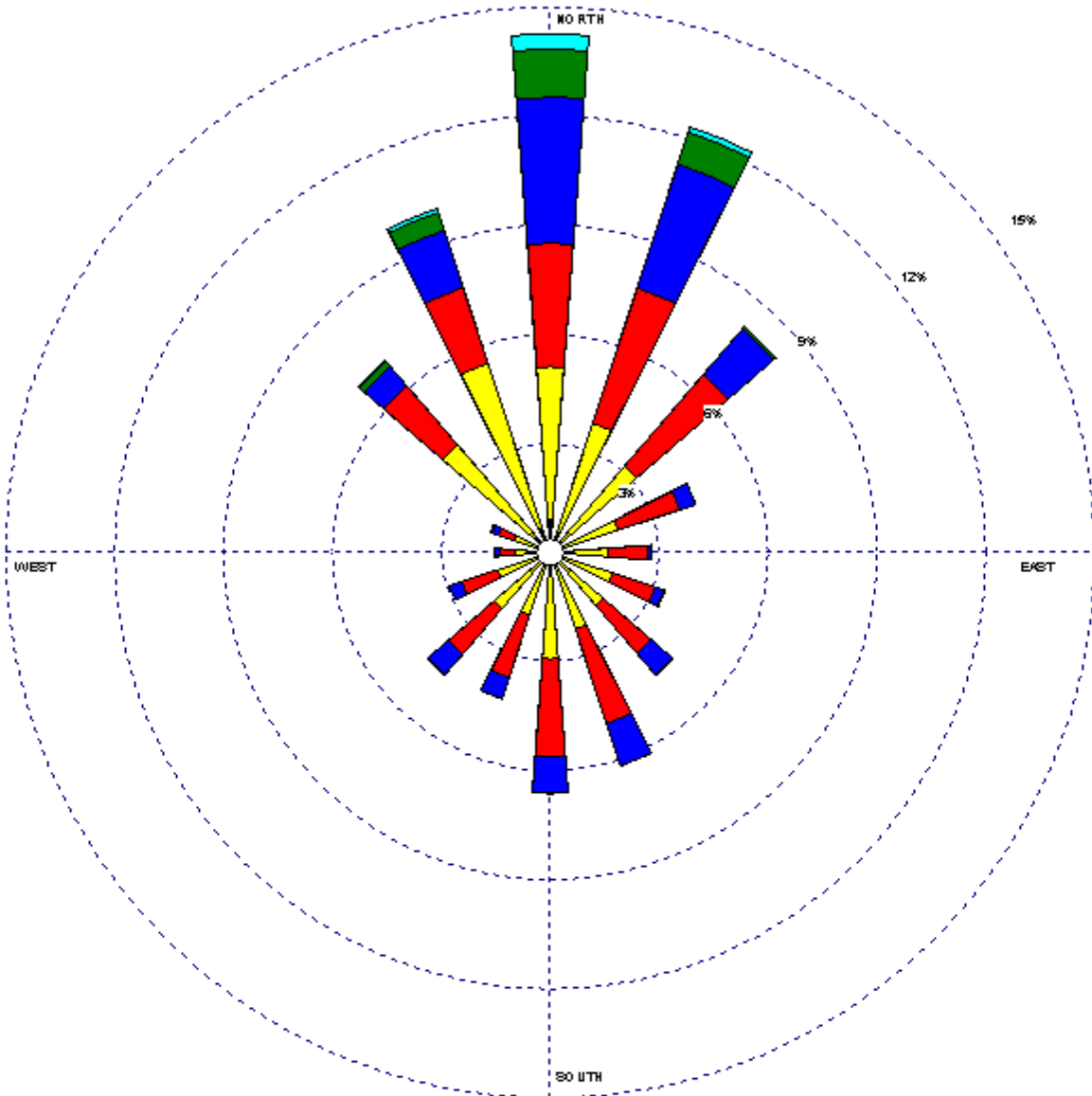
EFFECTIVE DATE
JUNE 19, 2012

Federal Emergency Management Agency

APPENDIX K
WIND ROSE

WIND ROSE PLOT

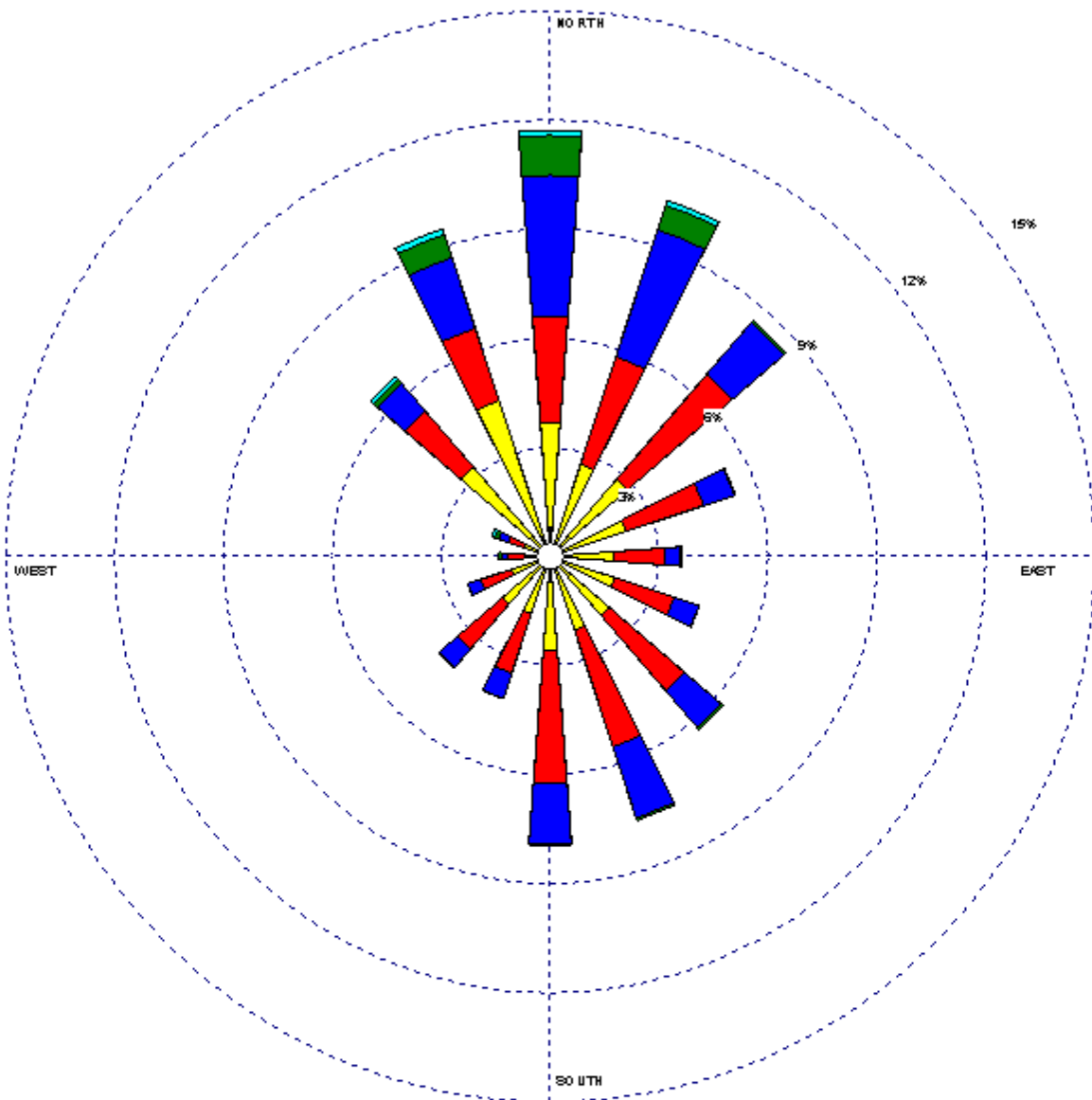
Station #12921 - SAN ANTONIO/WSFD, TX



<p>Wind Speed (m/s)</p> <ul style="list-style-type: none"> > 11.06 8.49 - 11.06 5.40 - 8.49 3.34 - 5.40 1.20 - 3.34 0.51 - 1.20 	<p>MODELER Sara West</p>	<p>DATE 8/29/2002</p>	<p>COMPANY NAME USDA-ARS</p>	
	<p>DISPLAY Wind Speed</p>	<p>UNIT m/s</p>	<p>COMMENTS</p>	
	<p>AVG. WIND SPEED 4.17 m/s</p>	<p>CALM WINDS 5.71%</p>		
	<p>ORIENTATION Direction (blowing from)</p>	<p>PLOT YEAR-DATETIME 1961 Jan 1 - Jan 31 Midnight - 11 PM</p>		

WIND ROSE PLOT

Station #12921 - SAN ANTONIO/WSFD, TX

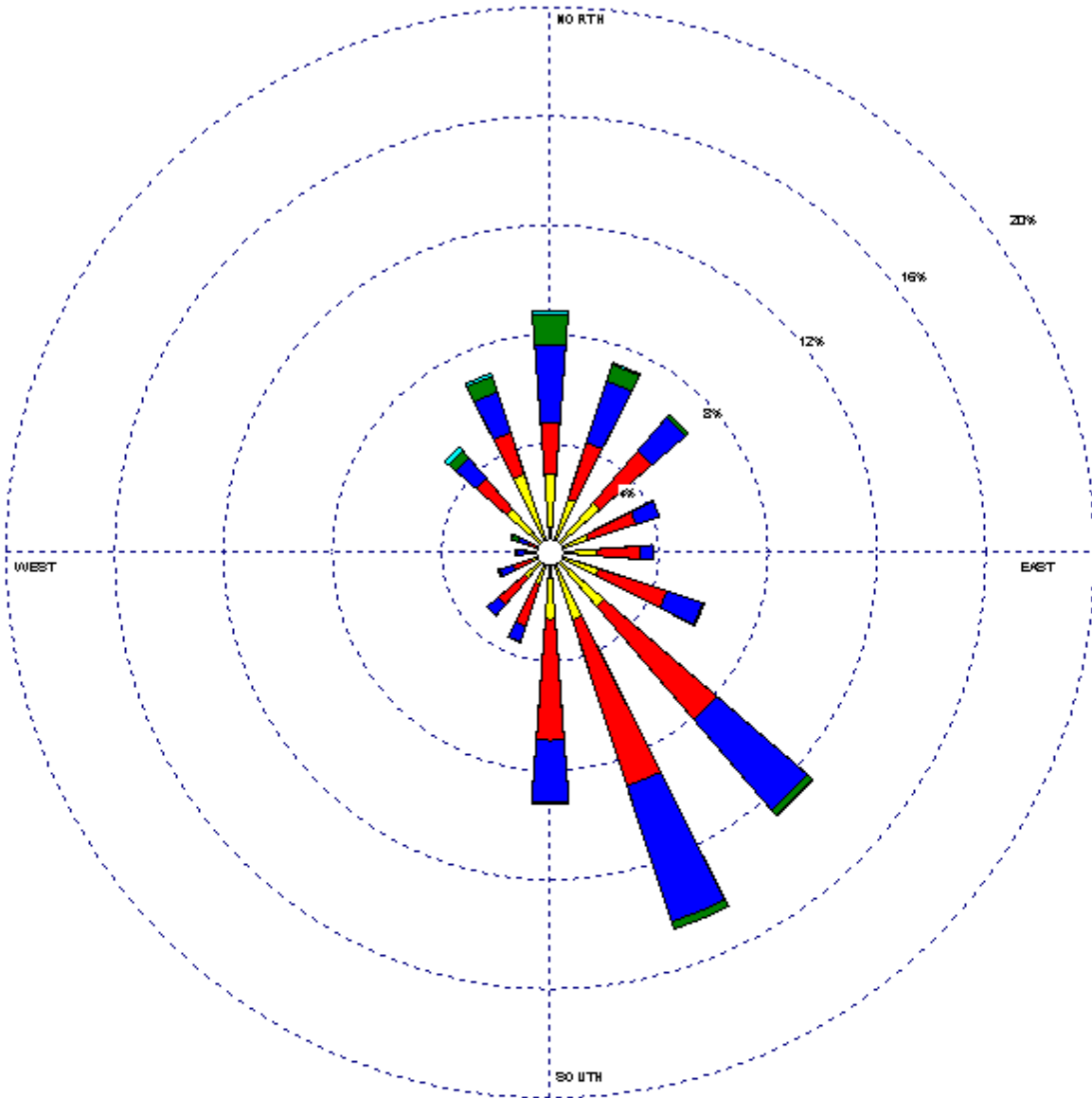


<p>Wind Speed (m/s)</p> <ul style="list-style-type: none"> > 11.06 8.49 - 11.06 5.40 - 8.49 3.34 - 5.40 1.20 - 3.34 0.51 - 1.20 	<p>MODELER Sara West</p>	<p>DATE 8/29/2002</p>	<p>COMPANY NAME USDA-ARS</p>	
	<p>DISPLAY Wind Speed</p>	<p>UNIT m/s</p>	<p>COMMENTS</p>	
	<p>AVG. WIND SPEED 4.41 m/s</p>	<p>CALM WINDS 4.43%</p>		
	<p>ORIENTATION Direction (blowing from)</p>	<p>PLOT YEAR-DATETIME 1961 Feb 1 - Feb 29 Midnight - 11 PM</p>		

WSPR 01 - Rev 3.3 by Calce Environmental Software - www.calce-environmental.com

WIND ROSE PLOT

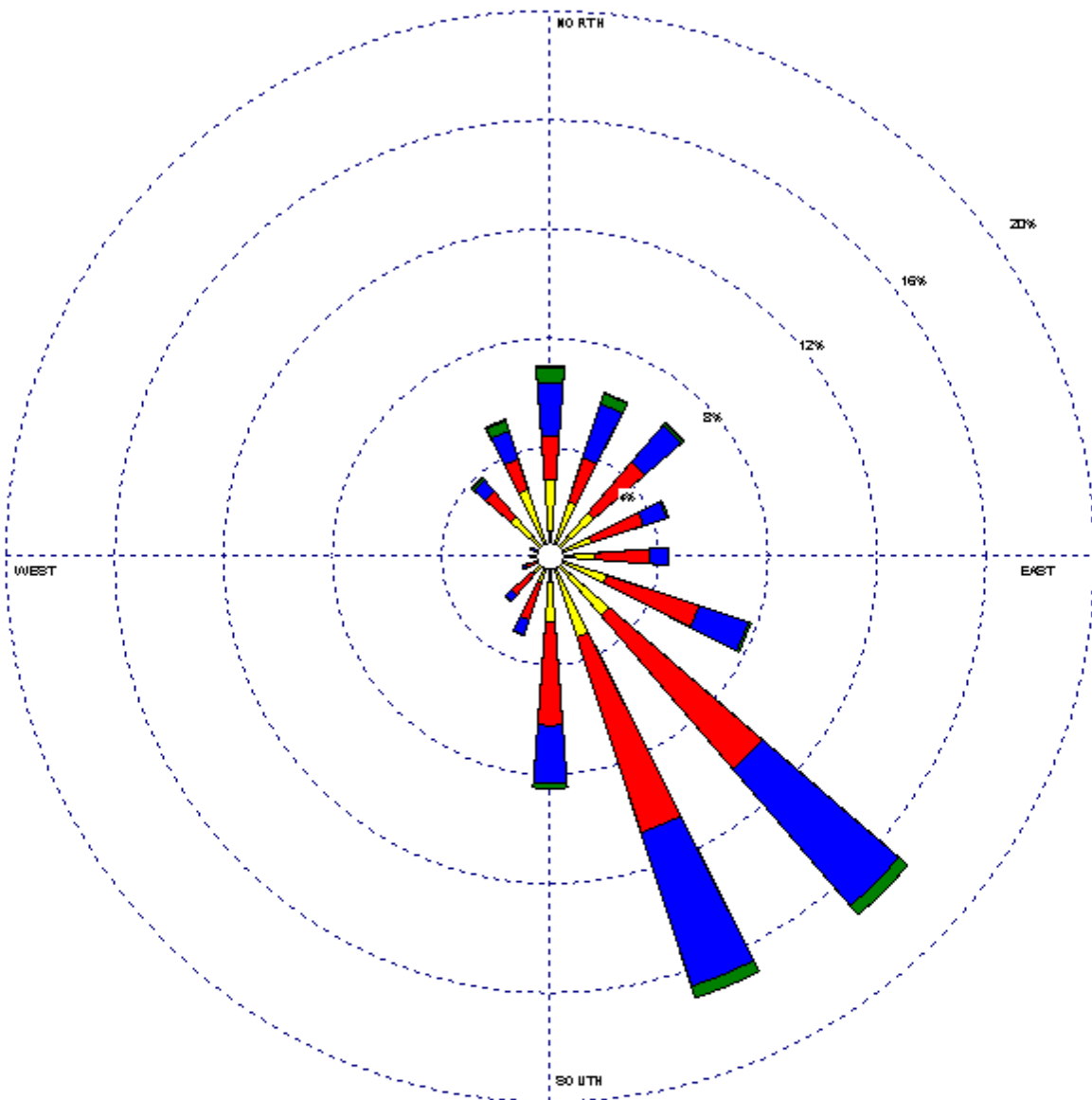
Station #12921 - SAN ANTONIO/WSFD, TX



<p>Wind Speed (m/s)</p> <ul style="list-style-type: none"> 0.51 - 1.20 1.20 - 3.34 3.34 - 5.40 5.40 - 8.49 8.49 - 11.06 > 11.06 	<p>MODELER Sara West</p>	<p>DATE 8/29/2002</p>	<p>COMPANY NAME USDA-ARS</p>	
	<p>DISPLAY Wind Speed</p>	<p>UNIT m/s</p>	<p>COMMENTS</p>	
	<p>AVG. WIND SPEED 4.69 m/s</p>	<p>CALM WINDS 3.12%</p>		
	<p>ORIENTATION Direction (blowing from)</p>	<p>PLOT YEAR-DATETIME 1961 Mar 1 - Mar 31 Midnight - 11 PM</p>		

WIND ROSE PLOT

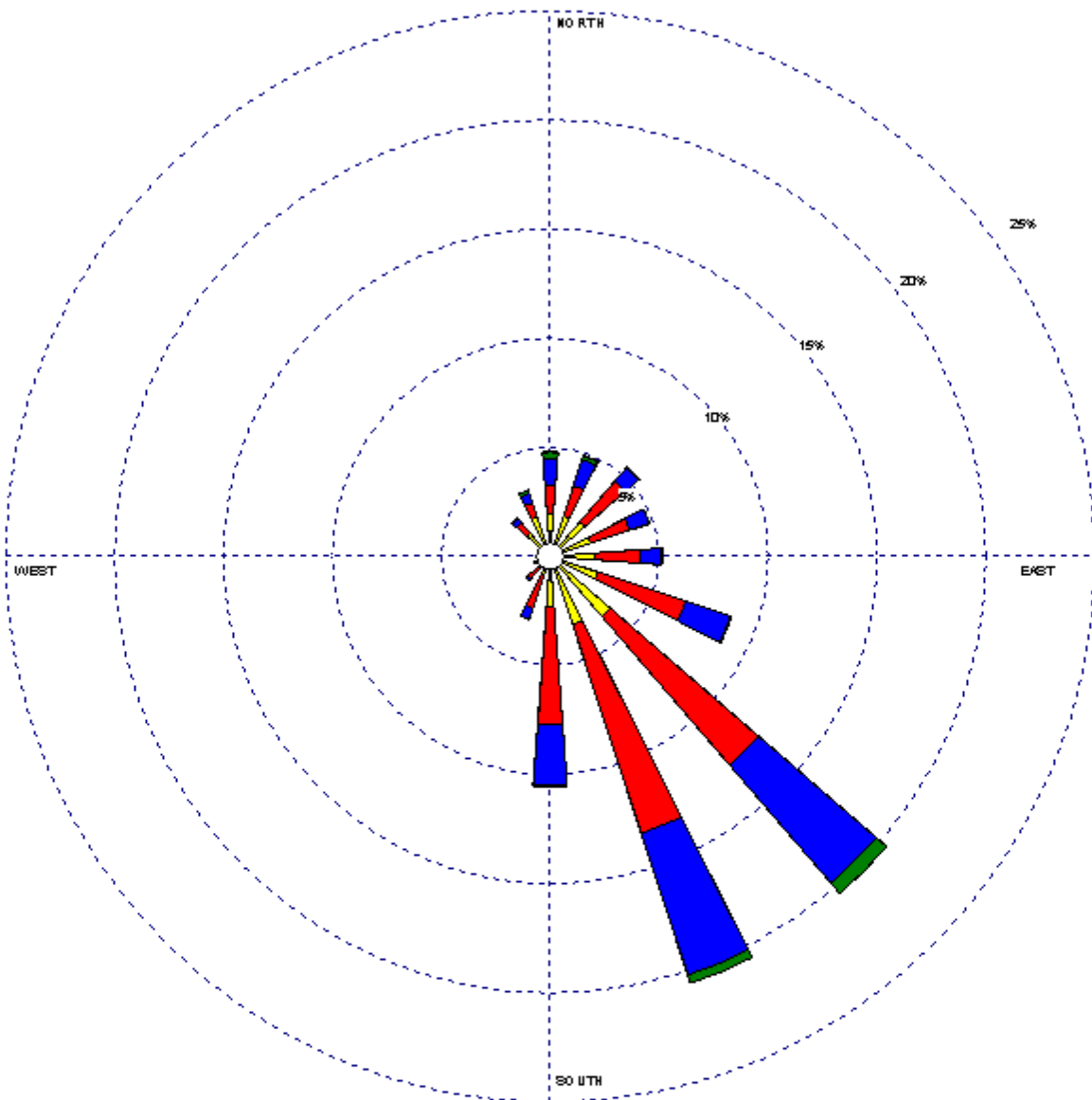
Station #12921 - SAN ANTONIO/WSFD, TX



<p>Wind Speed (m/s)</p>	<p>MODELER Sara West</p>	<p>DATE 8/29/2002</p>	<p>COMPANY NAME USDA-ARS</p>
	<p>DISPLAY Wind Speed</p>	<p>UNIT m/s</p>	<p>COMMENTS</p>
	<p>AVG. WIND SPEED 4.62 m/s</p>	<p>CALM WINDS 3.51%</p>	
	<p>ORIENTATION Direction (blowing from)</p>	<p>PLOT YEAR-DATETIME 1961 Apr 1 - Apr 30 Midnight - 11 PM</p>	

WIND ROSE PLOT

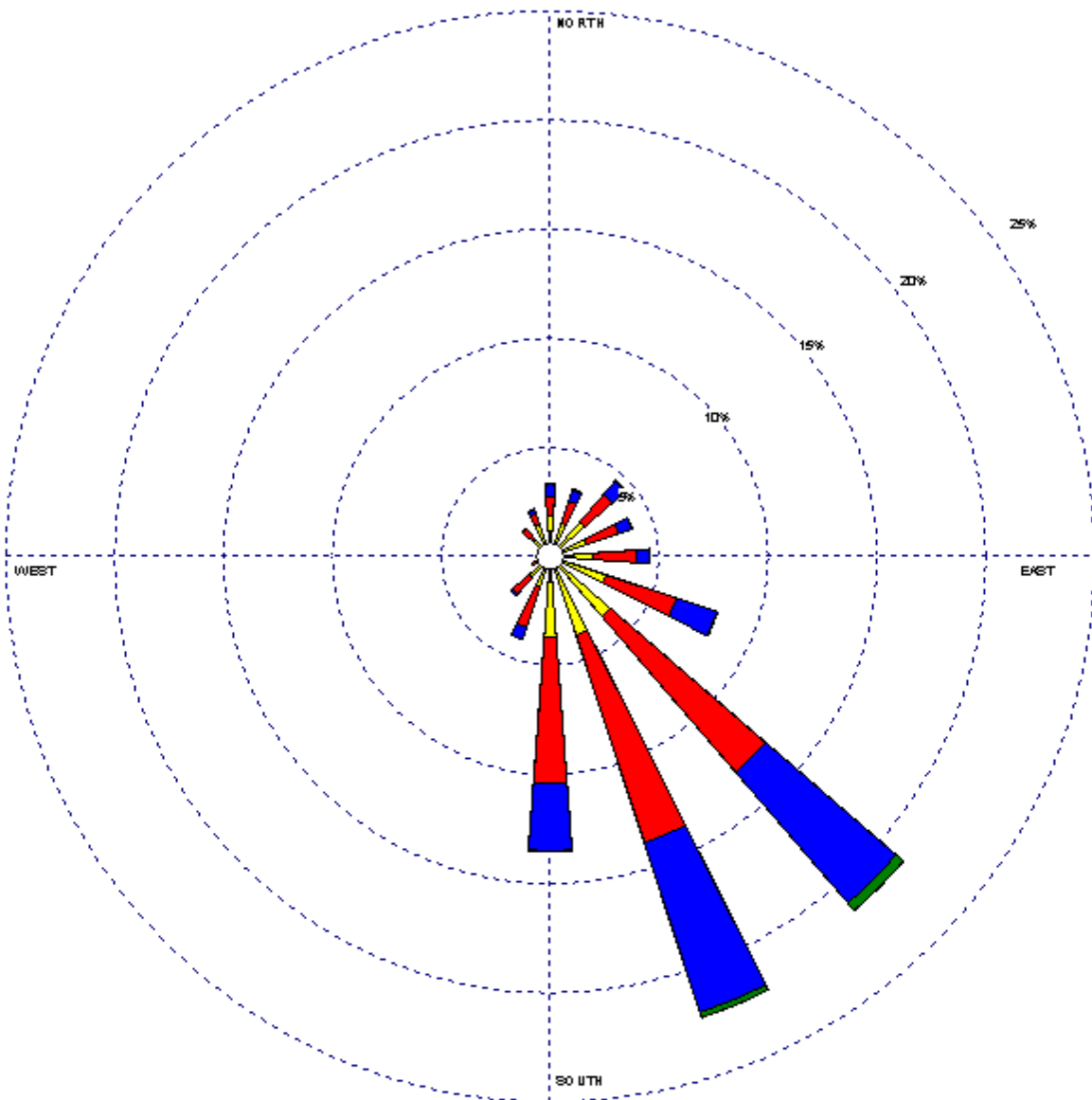
Station #12921 - SAN ANTONIO/WSFD, TX



<p>Wind Speed (m/s)</p>	<p>MODELER</p> <p>Sara West</p>	<p>DATE</p> <p>8/29/2002</p>	<p>COMPANY NAME</p> <p>USDA-ARS</p>
	<p>DISPLAY</p> <p>Wind Speed</p>	<p>UNIT</p> <p>m/s</p>	<p>COMMENTS</p>
	<p>AVG. WIND SPEED</p> <p>4.54 m/s</p>	<p>CALM WINDS</p> <p>2.68%</p>	
	<p>ORIENTATION</p> <p>Direction (blowing from)</p>	<p>PLOT YEAR-DATETIME</p> <p>1961 May 1 - May 31 Midnight - 11 PM</p>	

WIND ROSE PLOT

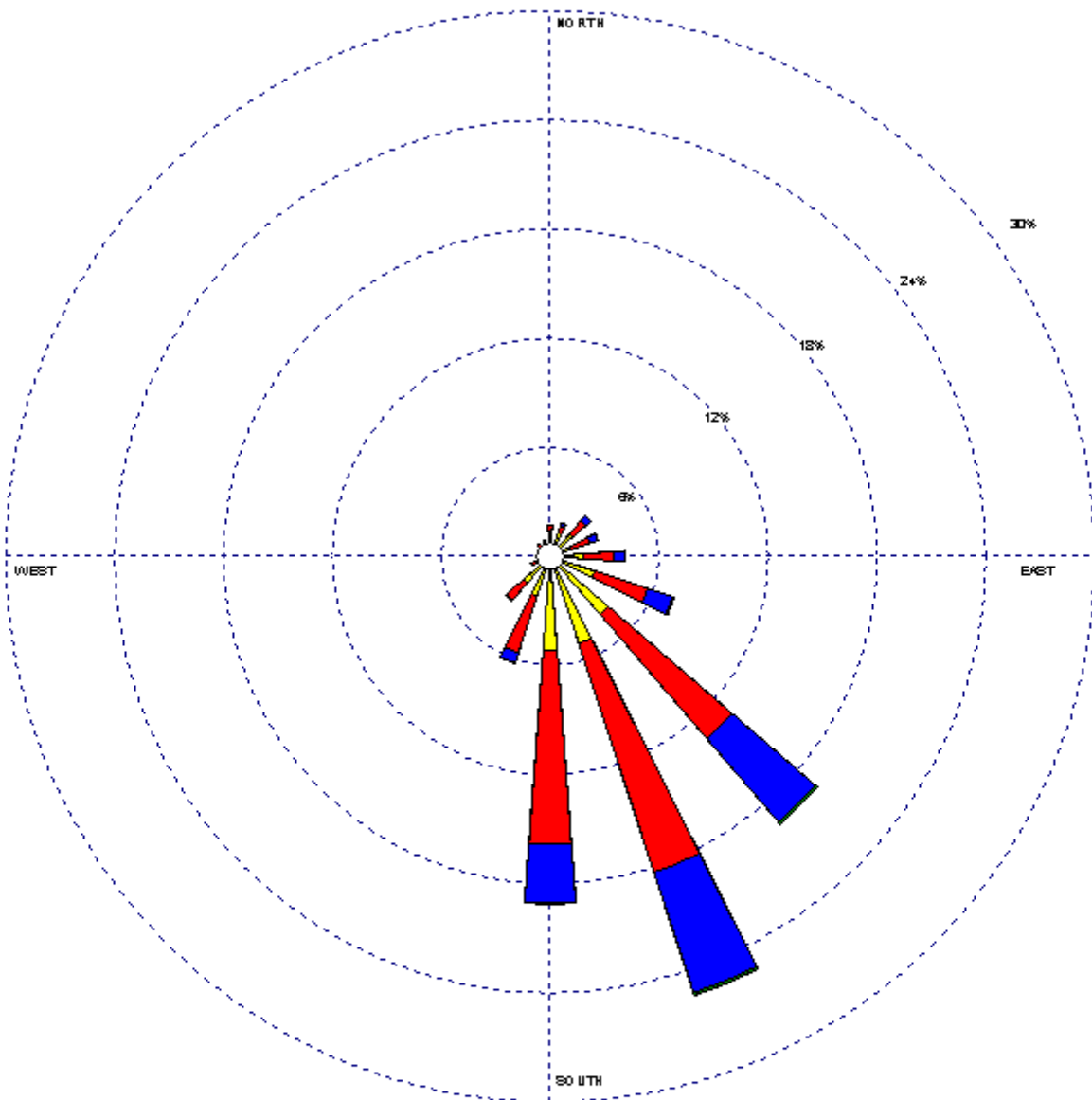
Station #12921 - SAN ANTONIO/WSFO, TX



<p>Wind Speed (m/s)</p>	<p>MODELER</p> <p>Sara West</p>	<p>DATE</p> <p>8/29/2002</p>	<p>COMPANY NAME</p> <p>USDA-ARS</p>
	<p>DISPLAY</p> <p>Wind Speed</p>	<p>UNIT</p> <p>m/s</p>	<p>COMMENTS</p>
	<p>AVG. WIND SPEED</p> <p>4.44 m/s</p>	<p>CALM WINDS</p> <p>2.46%</p>	
	<p>ORIENTATION</p> <p>Direction (blowing from)</p>	<p>PLOT YEAR-DATETIME</p> <p>1961 Jun 1 - Jun 30 Midnight - 11 PM</p>	

WIND ROSE PLOT

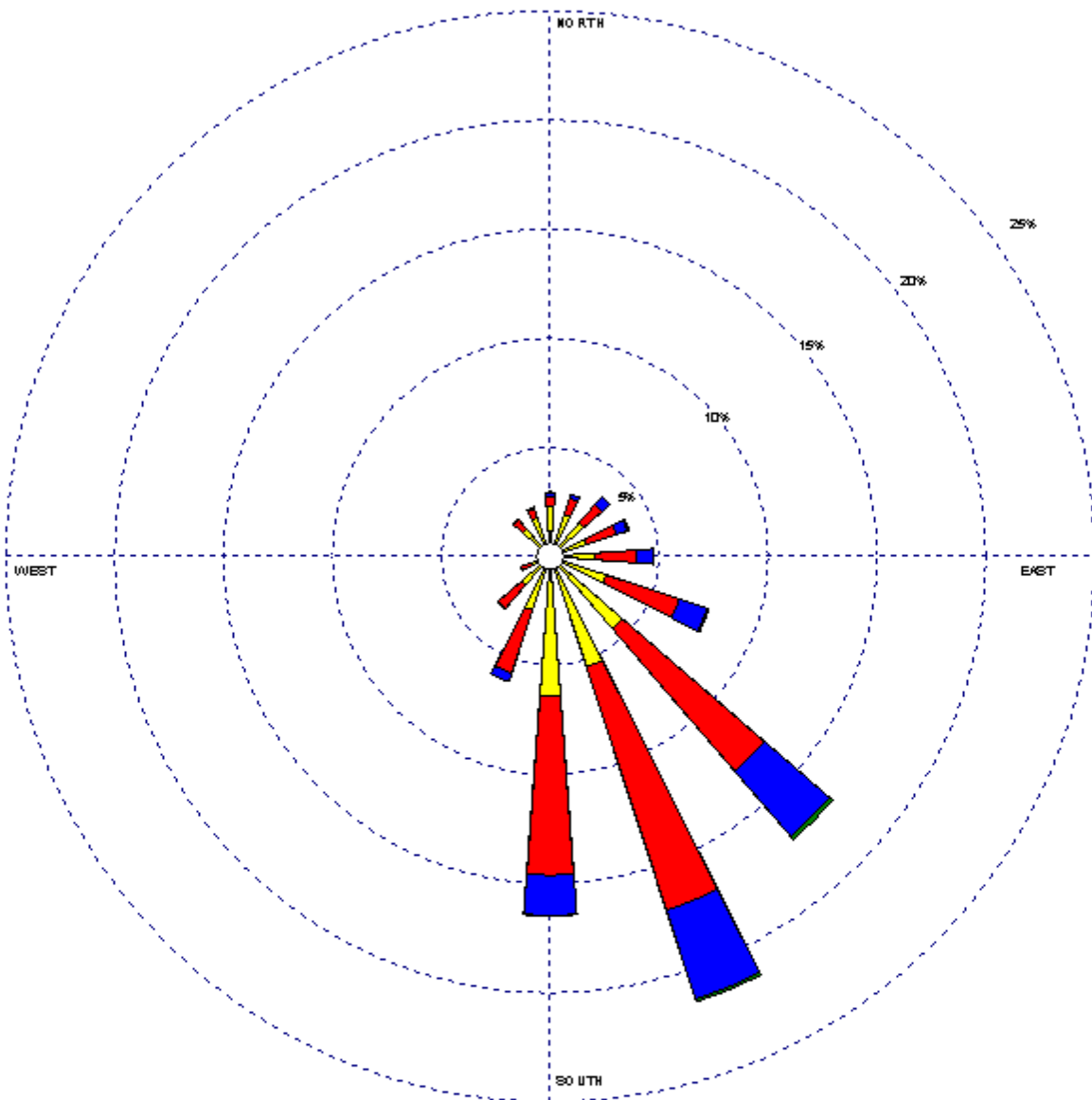
Station #12921 - SAN ANTONIO/WSFO, TX



<p>Wind Speed (m/s)</p>	<p>MODELER</p> <p>Sara West</p>	<p>DATE</p> <p>8/29/2002</p>	<p>COMPANY NAME</p> <p>USDA-ARS</p>
	<p>DISPLAY</p> <p>Wind Speed</p>	<p>UNIT</p> <p>m/s</p>	<p>COMMENTS</p>
	<p>AVG. WIND SPEED</p> <p>4.24 m/s</p>	<p>CALM WINDS</p> <p>1.79%</p>	
	<p>ORIENTATION</p> <p>Direction (blowing from)</p>	<p>PLOT YEAR-DATETIME</p> <p>1961 Jul 1 - Jul 31 Midnight - 11 PM</p>	

WIND ROSE PLOT

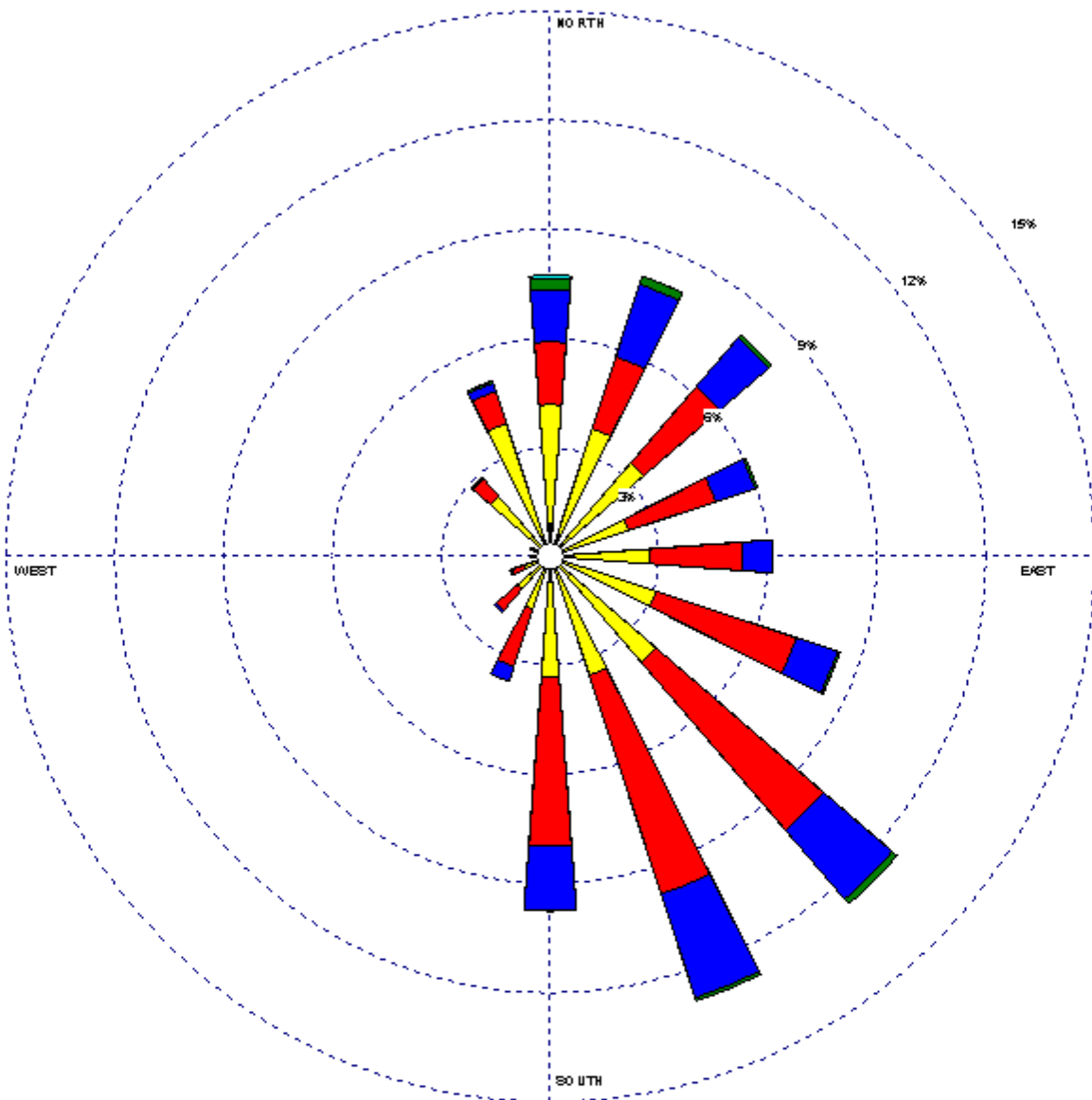
Station #12921 - SAN ANTONIO/WSFD, TX



<p>Wind Speed (m/s)</p>	<p>MODELER Sara West</p>	<p>DATE 8/29/2002</p>	<p>COMPANY NAME USDA-ARS</p>
	<p>DISPLAY Wind Speed</p>	<p>UNIT m/s</p>	<p>COMMENTS</p>
	<p>AVG. WIND SPEED 3.95 m/s</p>	<p>CALM WINDS 2.51%</p>	
	<p>ORIENTATION Direction (blowing from)</p>	<p>PLOT YEAR-DATETIME 1961 Aug 1 - Aug 31 Midnight - 11 PM</p>	

WIND ROSE PLOT

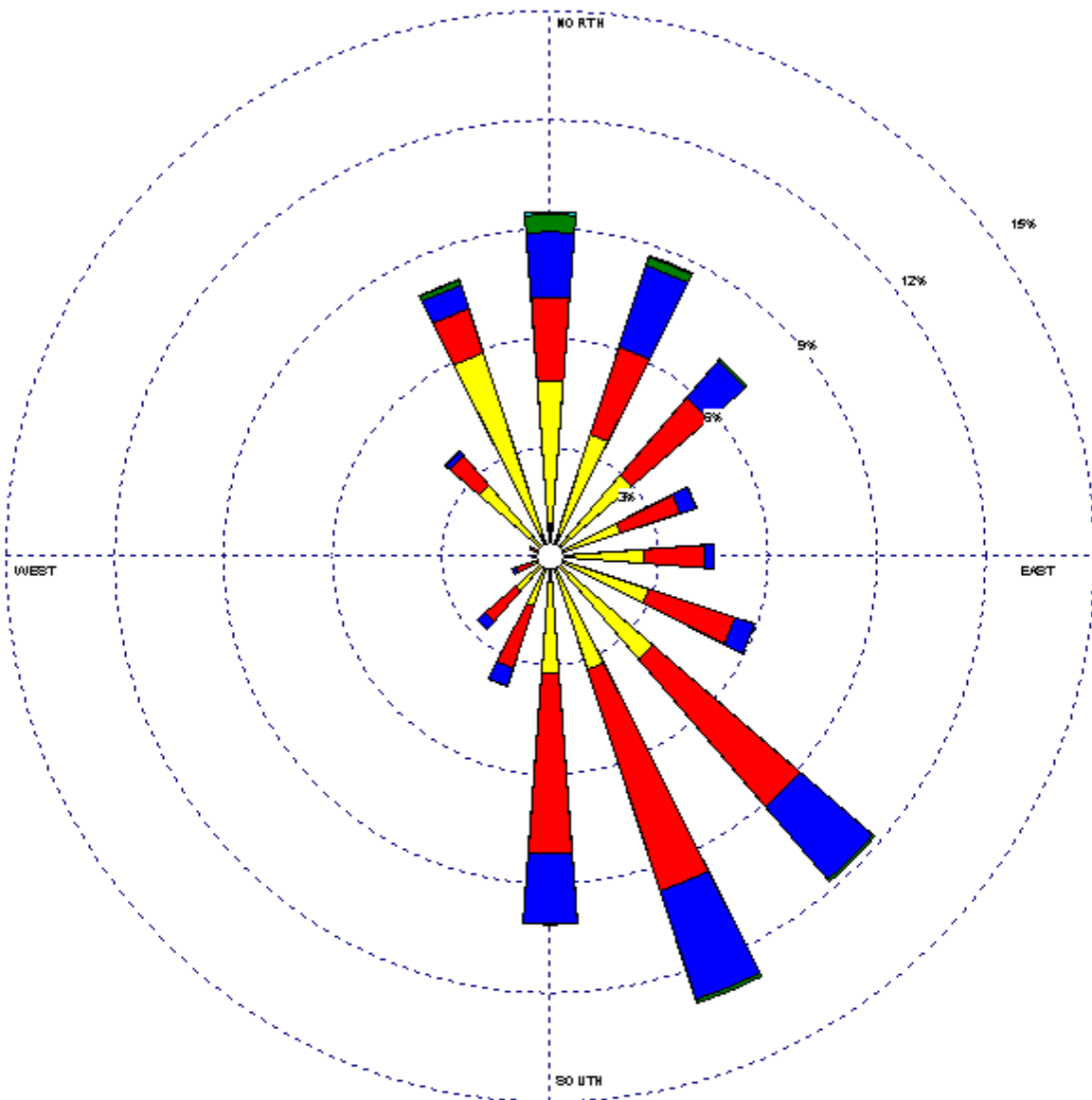
Station #12921 - SAN ANTONIO/WSFO, TX



<p>Wind Speed (m/s)</p> <ul style="list-style-type: none"> > 11.06 8.49 - 11.06 5.40 - 8.49 3.34 - 5.40 1.20 - 3.34 0.51 - 1.20 	<p>MODELER Sara West</p>	<p>DATE 8/29/2002</p>	<p>COMPANY NAME USDA-ARS</p>	
	<p>DISPLAY Wind Speed</p>	<p>UNIT m/s</p>	<p>COMMENTS</p>	
	<p>AVG. WIND SPEED 4.00 m/s</p>	<p>CALM WINDS 4.34%</p>		
	<p>ORIENTATION Direction (blowing from)</p>	<p>PLOT YEAR-DATETIME 1961 Sep 1 - Sep 30 Midnight - 11 PM</p>		

WIND ROSE PLOT

Station #12921 - SAN ANTONIO/WSFD, TX

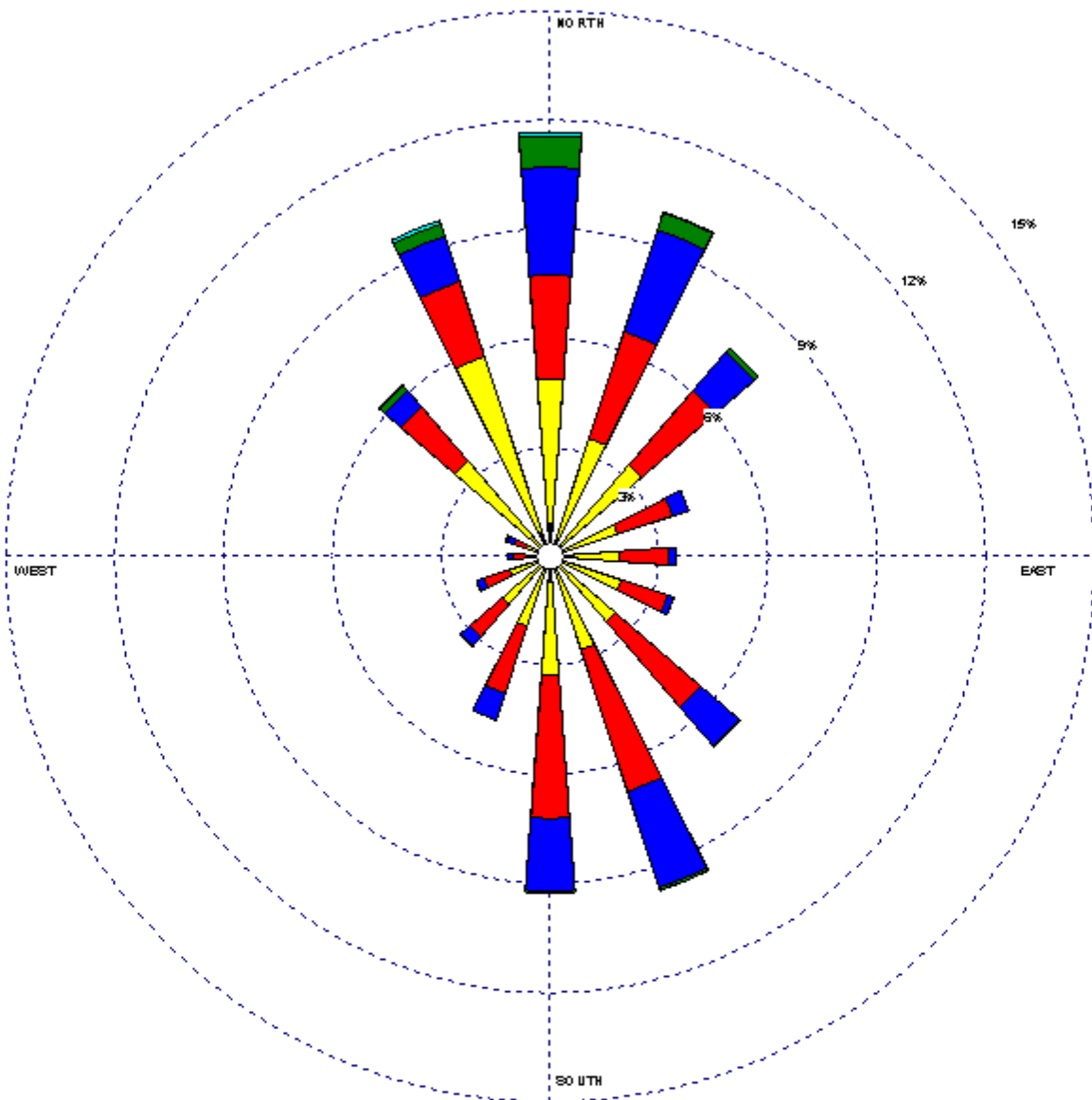


<p>Wind Speed (m/s)</p> <ul style="list-style-type: none"> > 11.05 8.49 - 11.05 5.40 - 8.49 3.34 - 5.40 1.20 - 3.34 0.51 - 1.20 	<p>MODELER Sara West</p>	<p>DATE 8/29/2002</p>	<p>COMPANY NAME USDA-ARS</p>	
	<p>DISPLAY Wind Speed</p>	<p>UNIT m/s</p>	<p>COMMENTS</p>	
	<p>AVG. WIND SPEED 3.99 m/s</p>	<p>CALM WINDS 4.54%</p>		
	<p>ORIENTATION Direction (blowing from)</p>	<p>PLOT YEAR-DATETIME 1961 Oct 1 - Oct 31 Midnight - 11 PM</p>		

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WIND ROSE PLOT

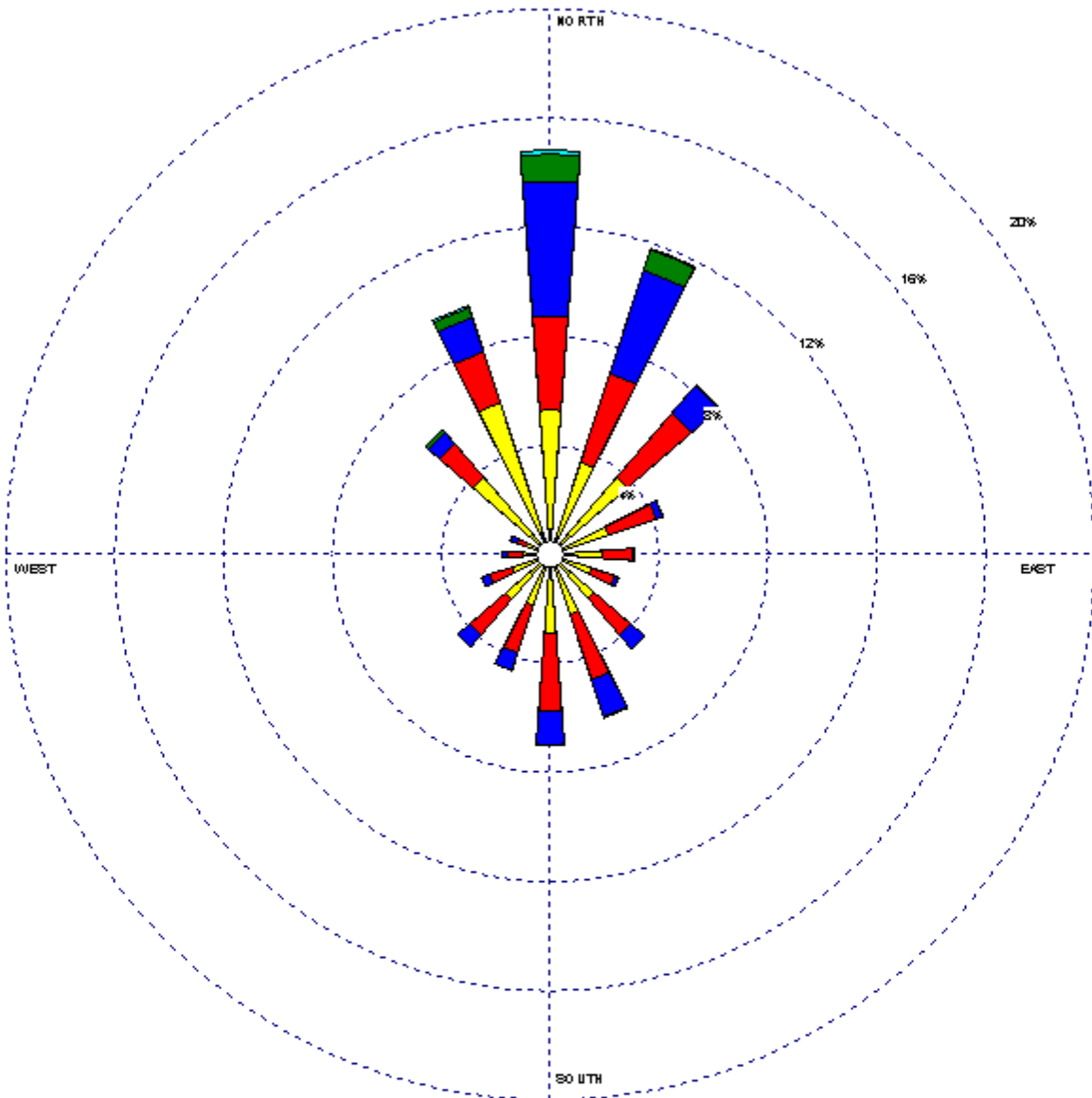
Station #12921 - SAN ANTONIO/WSFD, TX



<p>Wind Speed (m/s)</p> <ul style="list-style-type: none"> > 11.05 8.49 - 11.05 5.40 - 8.49 3.34 - 5.40 1.20 - 3.34 0.51 - 1.20 	<p>MODELER Sara West</p>	<p>DATE 8/29/2002</p>	<p>COMPANY NAME USDA-ARS</p>	
	<p>DISPLAY Wind Speed</p>	<p>UNIT m/s</p>	<p>COMMENTS</p>	
	<p>AVG. WIND SPEED 4.09 m/s</p>	<p>CALM WINDS 5.25%</p>		
	<p>ORIENTATION Direction (blowing from)</p>	<p>PLOT YEAR-DATETIME 1961 Nov 1 - Nov30 Midnight - 11 PM</p>		

WIND ROSE PLOT

Station #12921 - SAN ANTONIO/WSFD, TX



<p>Wind Speed (m/s)</p> <ul style="list-style-type: none"> > 11.06 8.49 - 11.06 5.40 - 8.49 3.34 - 5.40 1.20 - 3.34 0.51 - 1.20 	<p>MODELER Sara West</p>	<p>DATE 8/29/2002</p>	<p>COMPANY NAME USDA-ARS</p>	
	<p>DISPLAY Wind Speed</p>	<p>UNIT m/s</p>	<p>COMMENTS</p>	
	<p>AVG. WIND SPEED 4.06 m/s</p>	<p>CALM WINDS 6.40%</p>		
	<p>ORIENTATION Direction (blowing from)</p>	<p>PLOT YEAR-DATETIME 1961 Dec 1 - Dec 31 Midnight - 11 PM</p>		

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APPENDIX L
SEWAGE SOLIDS MANAGEMENT PLAN

Lockhart Landing WWTP

First Phase

Design Flow <i>gpd</i>	Vol Dig <i>ft³ (gal)</i>	Percentage	Flow <i>gpd</i>	P_x <i>lbs VSS/day</i>	P_{x(ss)} <i>lbs SS/day</i>	Q_{Sldg} <i>gpd</i>	HRT_{Sldg} <i>days</i>
325,000	8,000	25%	81,250	71	89	1,331	45
	59,840	50%	162,500	142	178	2,663	22
		75%	243,750	213	266	3,994	15
		100%	325,000	284	355	5,325	11

Interim Phase

Design Flow <i>gpd</i>	Vol Dig <i>ft³ (gal)</i>	Percentage	Flow <i>gpd</i>	P_x <i>lbs VSS/day</i>	P_{x(ss)} <i>lbs SS/day</i>	Q_{Sldg} <i>gpd</i>	HRT_{Sldg} <i>days</i>
650,000	16,000	25%	162,500	142	178	2,663	22
	119,680	50%	325,000	284	355	5,325	11
		75%	487,500	426	533	7,988	7
		100%	650,000	568	711	10,651	6

Final Phase

Design Flow <i>gpd</i>	Vol Dig <i>ft³ (gal)</i>	Percentage	Flow <i>gpd</i>	P_x <i>lbs VSS/day</i>	P_{x(ss)} <i>lbs SS/day</i>	Q_{Sldg} <i>gpd</i>	HRT_{Sldg} <i>days</i>
975,000	24,000	25%	243,750	213	266	3,994	15
	179,520	50%	487,500	426	533	7,988	7
		75%	731,250	640	799	11,982	5
		100%	975,000	853	1,066	15,976	4

Sludge will be wasted from the clarifier underflow to the digester. Sludge will stay in the digester with the decant returned to the headworks of the plant. Sludge will be removed from the digester on a schedule approximate to the HRT of the digester. The liquid sludge will be hauled by truck to the City of Austin's Walnut Creek Wastewater Treatment Plant for further treatment.