

BOARD OF SUPERVISORS AGENDA ITEM REPORT

Requested Board Meeting Date: 2/18/2025

*= Mandatory, information must be provided

Click or tap the boxes to enter text. If not applicable, indicate "N/A".

*Title:

Quarterly Report of Riparian Mitigation Plans Approved by the Regional Flood Control District Chief Engineer

*Introduction/Background:

Section 16.30.050(B) of the Floodplain Management Ordinance requires:

"The Chief Engineer shall provide a quarterly report to the Board that states the number of Riparian Habitat Mitigation Plans that the Chief Engineer approved during the previous quarter. The quarterly report must include the number of approved plans that used mitigation banking and the number of approved plans that disturbed more than 5% of Important Riparian Area on a property."

*Discussion:

The attached report describes the District's actions to approve Riparian Habitat Mitigation Plans as well as the District's actions to utilize the In-lieu Fee revenue.

٠	-					٠			
Ŧ	€ `	$\boldsymbol{\cap}$	n	r	us	п	$\boldsymbol{\wedge}$	n	٠
	·	v		v	us		v		٠

NΑ

*Recommendation:

This item is for the Board's information and no vote or discussion is requested.

*Fiscal Impact:

None

*Board of Supervisor District:

[1 [2 [3 [4 [5 FAII

Department: Regional Flood Control District	Telephone: 520-724-4600		
Contact: Patricia Gilbert	Telephone: 520-724-4606		
Department Director Signature:		Date:	1/22/2025
Deputy County Administrator Signature:	200	Date:	1/27/2025
County Administrator Signature:		Date:	1/27/2025



DATE: January 22, 2025

FROM: Eric Shepp, P.E.

Director

TO: Board of Directors

Regional Flood Control District

SUBJECT:

Quarterly Report of Riparian Habitat Mitigation Plans Approved by the Pima County Regional

Flood Control District Chief Engineer for the Fourth Quarter of 2024

Section 16.30.050(B) of the Floodplain Management Ordinance to requires:

"The chief engineer shall provide a quarterly report to the board that states the number of riparian habitat mitigation plans that the chief engineer approved during the previous quarter. The quarterly report must include the number of approved plans that used mitigation banking and the number of approved plans that disturbed more than 5% of important riparian area on a property."

I am submitting the following Quarterly Report of riparian mitigation plans approved during the fourth quarter of 2024. Attached are the riparian habitat mitigation plans as Exhibit A - F to the report. This report also includes a summary of the District's use of in-lieu fees during the quarter.

Mitigation Plans Approved by the Chief Engineer for the Fourth Quarter of 2024

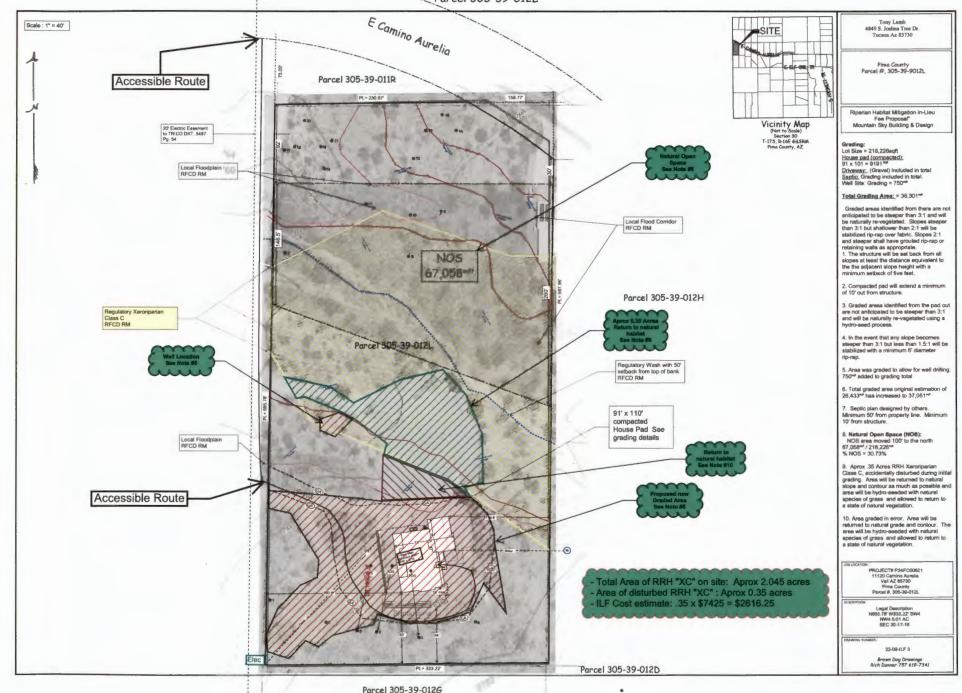
Approval	District	Record	Location	Disturbance (ac)	IRA	On-Site Mitigation	ILF Amount	Exhibit
10/1/2024	4	P24FC00621	11120 E Camino Aurelia	0.35	NO	NO	\$2,616	Α
12/2/2024	2	P24SC00151	303-09-002B Blk G/H	0.59	NO	NO	\$8,268	В
12/2/2024	2	P24SC00152	303-09-002B Blk I	2.99	YES	NO	\$74,652	С
12/6/2024	2	P24SC00108	Verano Water Distribution	1.57	YES	NO	\$61,353	D
12/12/2024	4	P24FC00918	12765 E Cabeza de Vaca	0.66	YES	NO	\$12,903	E
12/30/2024	4	P24FC00575	2035 N. Conestoga Ave	3.63	YES	NO	\$13,751	F

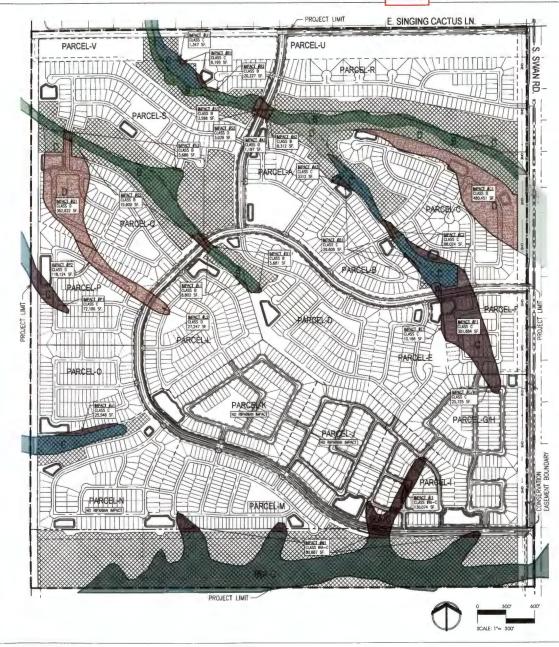
Use of In-Lieu Fees During the Fourth Quarter of 2024

During the fourth quarter, the District spent or encumbered approximately \$54,000 on restoration activities primarily on invasive species removal by Tucson Audubon Society, and fencing to secure District open space properties on the Los Robles Wash.

-P24FC00621 "Riparian Habitat Mitigation In-Lieu Fee Proposal" 11120 E. Camino Aurelia Parcel 305-39-012L







VERANO RIPARIAN IN-LIEU FEE PLAN

Field work performed by Movalt Environmentol, Inc. found that plant densities in the Regulated Riparian Areas are similar to Prime County's "standard plant densities for each classification of Regulated Ripprian Mabblat (1991) The Master Developer Intends to use the "in-Liver Fee option to mitigath impacts to RRH based on Primo County's published rotes for Developer In-Liver Fee.

In-Lieu Fee amounts shown here are estimates only. Final In-Lieu Fees will be determined at the time of Tentative Plat for each parcel based on grading limits and poid prior to the issuance of a Site Construction Permits for each phase. The final disturbance area may vary. The In Lieu fee will be calculated at the rate shown in

Areo #	Class	sf.	Acres
PZ	C	101086.0	2.32
P2		142542.0	3.25
P3	D	442218.0	10.19
P4.		209024.0	6.65
P5	C	82925.0	1.90
P6	c	125572.0	2.86
97	IRA-C	1410558.0	32.5
PR	C	143675.0	3.30
P9.	8	64415.0	1.40
P10	. 8	272336.0	6.2
P11	D	55254.0	1.2
P12	8	34406.0	0.75
		TOTAL	72.77

LEGEND

PROPOSED ROADS
LOT LINES
 PROPERTY LIMIT
 PARCEL LINE

PRESERVED XERORIPARIAN HABITAT

XERORIPARIAN - CLASS C

XERORIPARIAN - CLASS IRA-C

XERORIPARIAN - CLASS D

DISTURBED XERORIPARIAN HABITAT

DISTURBED XERORIPARIA

DISTURBED XERORIPARIAN CLASS-B

DISTURBED XERORIPARIAN CLASS IRA-C DISTURBED XERORIPARIAN

DISTURBED XERORIPARIAN CLASS D

PRESERVED UPLAND NATURAL OPEN SPACE

CLASS C



XERORIPARIAN A	AREA TOTALS					
	MAPPED		PRESERVED		IMPACTED	
Jone	st.	Acres		Acres		Acres
Xeroriparien IRA-C	1612998	37.01	1416500	32.52	195498.00	4.45
Xerorisorian 8	870556	19.99	802950	28.43	67906.00	1.50
Xeroriserien C	1039945	28.41	453471	20.42	566474.00	13.00
Xeroriearien D	1490115	34.21	497445	21.42	992670.00	22.75
	TOTAL	114.61	TOTAL	72.77	TOTAL	41.84

Estimated Mitigation In-Lieu Fee (Cost per Parcel)

	PARIAN II	MPACT	5	IN-LIEU F	EE		
Area #	CLASS	sį	Acres	Fee/Acre	In-Lieu Fee	IN-LIEU FEE PER PARCEL	PARCE
AZ	D	1197	0.09	\$12,000	\$329.75		
A2		8312	0.29	\$16,000	\$3,053.08		
AS	C	3311	0.08	\$14,000	\$1,064.14	\$4,447	A
AU	C	29606	0.68	\$24,000	\$0,515.24	\$0,515	- 8
CI	D	480451	11.08	\$12,000	\$132,355.65		
C	C	88024	2.02	\$24,000	\$28,290.54	\$360,646	c
01		5681	0.13	\$16,000	\$2,086.69	\$2,867	D
EX	С	10166	0.23	\$14,000	\$3,267.31	53,267	E
FI	C	301684	6.93	\$14,000	\$96,959.96	\$96,967	F
G/HII	C	25725	0.59	\$14,000	\$8,267.91	58,268	G/H
12	IRA-C	130074	2.99	\$25,000	\$74,652.20	\$74,652	- 1
1	No Impact		T				
K	No impact		I				
LI	8	8802	£1.20	\$16,000	\$3,233.06		
L2	0	27247	0.63	\$12,000	\$7,506.06	\$10,799	L
MI	IRA-C	65424	1.50	\$25,000	\$37,548.21	\$27,548	M
N	No Impact			I			
0.1	C	25246	0.58	\$14,000	\$8,114.60	58,115	0
P3	С	72168	1.66	\$14,000	\$23,194.49		
P2	0	118124	2.72	\$12,000	\$32,541.05	\$56,796	P
Q1	0	362622	8.32	\$12,000	\$99,895.87		
Q2	8	15600	0.36	\$16,000	\$5,730.08	\$105,626	Q
RI	С	9195	0.21	\$14,000	\$2,955.23		
82		20227	0.46	\$16,000	\$7,429.57	\$10,385	R
51	8	3598	0.08	\$16,000	\$1,321.58		
52	D	3029	0.07	\$12,000	\$834.44		
53		5686	0.13	\$16,000	\$2,088.52	\$4,245	5
	C	1347	0.03	\$14,000	\$432.92	5423	U

IN-LIEU FEE SUMMARY						
Closs	Acres	S per Acre	Total Fee by Clas			
Xeroriparion IRA-C*	4.49	\$25,000	\$112,20			
Xeroriporion 8	1.56	\$16,000	\$24,9			
Xeroriparion C	13.00	\$14,000	\$182,0			
Xeroriperies D	22.79	\$12,000	\$273,4			
TOTAL ACRES	41.64	TOTAL SEE	6502.60			

ADDRESS: Southwest of the Intersection of S. Swan Rd. & E. Singing Cactus Ln

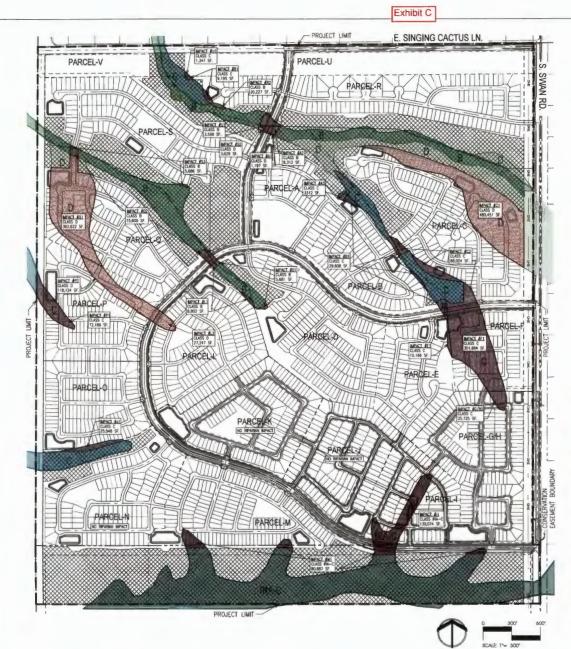


Novak Environmental, Inc. 4574 Murth First Assence 8769 * Tuccon. AZ 657 Phone 520.200,0001 Fax 520,0002,0006

VERANO HABITAT CONSERVATION PLAN

RIPARIAN MITIGATION PLAN
TOWNSHIP 165, RANCE 14E, SECTION 10, TUCSION SIII, PRIA COUNTY, ARIZON

Not conces FE 1-2-23 Page 3-41-28 Page 10-12-27 Page 10-12



VERANO RIPARIAN IN-LIEU FEE PLAN

Field work performed by Novak Environmental, loc. found that plant densities in the Regulated Riparian Areas are similar to Pima County's "standard plant densities for each classification of Regulated Riparian Makitot (RRH) The Master Developer intends to use the "In-Liver Fee opton to mitigate impacts to RRH based on Pima County's published rates for Developer In-Liver Fees.

In-Lieu Fee amounts shown here are estimates only, Find In-Lieu Fees will be determined at the time of Tentative Plat for each parcel based on grading limits and poid prior to the issuance of a Site Construction Permits for each phase. The final disturbance area may vary. The in Lieu fee will be calculated at the rate shown in the plan.

Area #	Class	sf.	Acres
P2	C	101096.0	2.32
P2	8	141542.0	3.25
P3	D	442218.0	10.15
PH	8	209024.0	6.68
PS.	C	82915.0	1.90
PE	C	125572.0	2.86
P7	IRA-C	1416558.0	32.57
PE	C	143675.0	3.30
PS	8	64415.0	1.4
P10		272336.0	8.25
P11	D	55254.0	1.27
P12	8	34406.0	0.79
		TOTAL	72.77

LEGEND

PROPOSED ROADS
LOT LINES
 PROPERTY LIMIT

---- PARCEL LINE

PRESERVED XERORIPARIAN HABITAT

XERORIPARIAN	_	C

ACTIONS ACCOUNT	_	W	D	
YFRORIPARIAN	_	CLASS	IRA-C	

100					
	XERORIPARIAN	_	CLASS	С	

I	3	XERORIPARIAN	_	CLASS	
	N. 2. A.B.	better semen			и

DISTURBED XERORIPARIAN HABITAT

1	DISTURBED	XERORIPARIA
· .	CLASS-B	

CLASS-B DISTURBED XERORIPARIAN

CLASS IRA-C DISTURBED XERORIPARIAN CLASS C

DISTURBED XERORIPARIAN CLASS D

PRESERVED UPLAND NATURAL OPEN SPACE



XERORIPARIAN A	KERORIPARIAN AREA TOTALS										
	MAPPED		PRESERVED		IMPACTED						
Zone	sf.	Acres		Acres		Acres					
Xeroriperion IRA-C	1612990	37.02	1416500	32.52	195498.00	4.49					
Xeroriparian 8	870556	19.99	802690	28.43	67906.00	1.56					
Xerorisoriun C	1019945	23.41	453471	20.41	566474.00	13.00					
Xeroriperion D	1490115	34.21	497445	21.42	982670.00	22.79					
	TOTAL	114.61	TOTAL	72.77	TOTAL	41.84					

Estimated Mitigation in-Lieu Fee (Cost per Parcel)

EROR	IPARIAN I	MPACT	5	IN-LIEU FEE						
Area 8	CLASS	af	Acres	Fee/Acre	in-Lieu Fee	PI-LIEU FEE PER PARCEL	PARCEL			
A1	0	1197	0.03	\$12,000	\$329.75					
AZ	8	8312	0.19	\$16,000	\$3,053.08					
AS	C	3311	0.08	\$14,000	\$1,064.14	\$4,447	A			
EE	C	29606	0.68	\$14,000	\$8,515.24	\$8,525				
CI D 480451 1		11.03	\$12,000	\$132,355.65						
CS	C	88024	2.02	\$14,000	\$26,290.54	\$160,646	C			
01			0.13	\$16,000	\$2,086.69	\$2,087	D			
£1		10165	0.23	\$24,000	\$3,267.31	\$3,267	E			
FI	1 C 302684 6.93		6.93		\$96,959.96	596,960	F			
G/Ht	C	25725 0.59			\$8,267.91	58,360	6/H			
/X			2.99	\$25,000	\$74,652.30	574,652	- 1			
1	No Impact									
K	No Impact									
6.1		8802	0.20	\$16,000	\$3,238.06					
u	D	27247	0.63	\$12,000	\$12,000 \$7,506.06 \$10,7	06 \$10,798	L			
MI	IRA-C	65424	1.50	\$25,000	\$37,548.21	\$87,548	M			
N	No Impact									
øi	C	25248	0.58	\$14,000	\$8,114.60	\$8,115				
PI	C	72168	1.66	\$14,000	\$23,194.49					
P2	D	118124	2.71	\$12,000	\$32,541.06	\$05,796	P			
Q1	0	362622	8.32	\$12,000	\$99,895.87					
Q2		15600	0.36	\$16,000	\$5,730.08	\$305,636	q			
RI	C	9195	0.21	\$14,000	\$2,955.23					
RZ		20227	0.46	\$16,000	\$7,429.57	\$10,005	R			
12		3530	0.08	\$16,000	\$1,321.58					
52	D	3029	0.07	\$12,000	S834.44					
53		5686	0.13	\$16,000	\$2,000.52	\$4,345	- 5			
UI	C	1347	0.03	514,000	\$432.92	5433	U			
	TOTA	LACRE	5 41.84	T	OTAL COST	\$592,668				

I-LIEU FEE SUMMARY										
786	Acres	S per Acre	Total Fee by Class							
morteorium IRA-C°	4.49	\$25,000	\$112,200							
Xeroriparion B	1.56	\$16,000	\$24,943							
Xeroriparian C	13.00	\$14,000	\$182,062							
Xeroriperion D	72.79	\$12,000	\$273,463							
TOTAL ACRES	41.84	TOTAL PEE	\$592,666							

ADDRESS: Southwest of the Intersection of S. Swan Rd. & E. Singing Cactus Ln

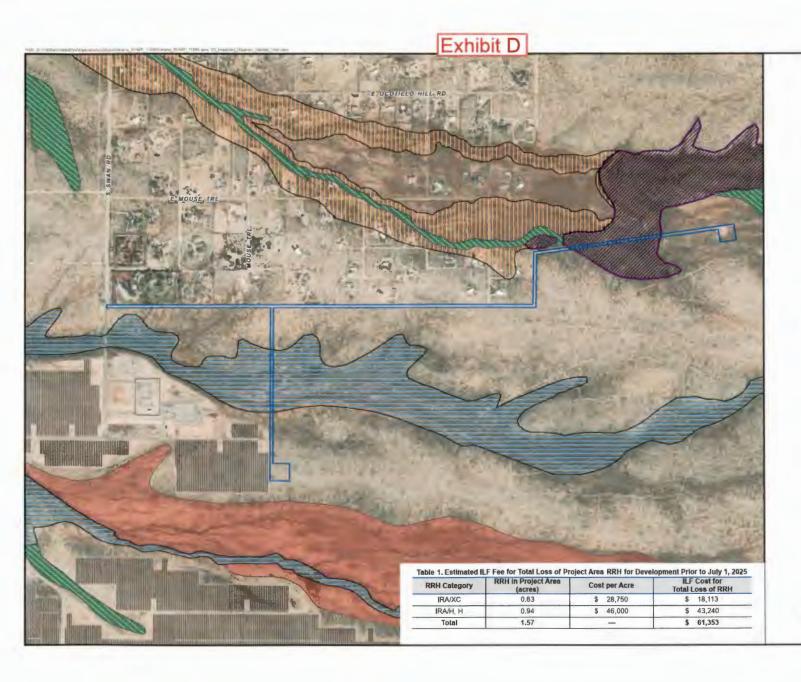


Novak Environmental, Inc. 4574 North Frot Ammer #100 - Tocoon, AZ 85718 Phone \$20,200,0501 Fex 920,002,0000

VERANO HABITAT CONSERVATION PLAN RIPARIAN MITIGATION PLAN

TOWNSHIP THIS, RANCE 14K, SECTION 10, TUCSON SHI, FINA COUNTY, ARRONA

TOT CHARGES FOR 3-22-25 FINAL COUNTY METERIC AND UPDATED BIGS.		DESIGNED	ESIDED		DRAM: RA		CHECKED KC		HCP-2		
REPORTED & BY LIEU FEED	6-20-23	DATE			PROJECT NO:		SCHE		_		_
RECALCULATE FOR REVISIONS TO HORTMETH HILF OF THE SITE PLAN	2-19-24	FEB.	FEB. 27,	2024		24018	SEE	PLAN	2	0"	2



T16S, R14E, Portions of Sections 11-15, Pima County, Arizona
Projection: NAD 1983 UTM Zone 12N
Riparian Classification: Pima County 2015
Image Source: Maxar 2/9/2024

11500 S. Wilmot Rd. Tucson, AZ Pima County Assessor's Parcel Numbers: 30309003D, 30309003E, 30309003B Project Owner: Global Water Resources, Inc.

Legend

Project Area

Riparlan Classification Xeroriparian C

Xeroriparlan D

Important Riparian Area Xeroriparian C

Important Riparian Area Xeroriparian D

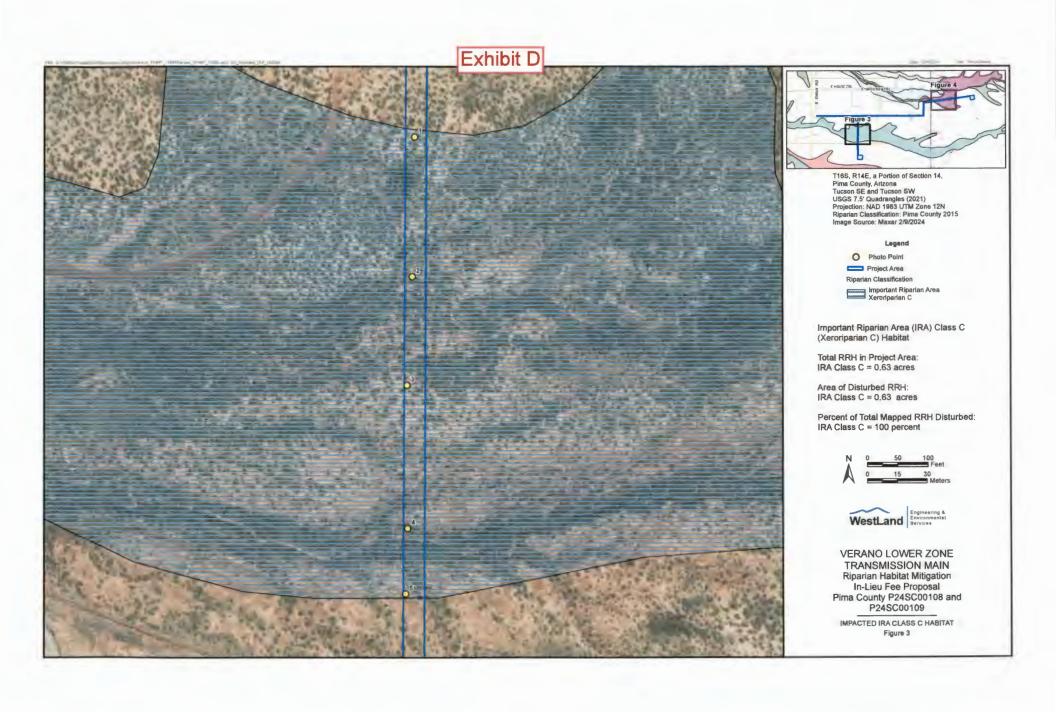
The location of the utilities within the easement leaves no opportunity to preserve or mitigate the RRH within the Project Area.





VERANO LOWER ZONE TRANSMISSION MAIN Riparian Habitat Mitigation In-Lieu Fee Proposal Pima County P24SC00108 and P24SC00109

IMPACTED RIPARIAN HABITAT OVERVIEW Figure 2



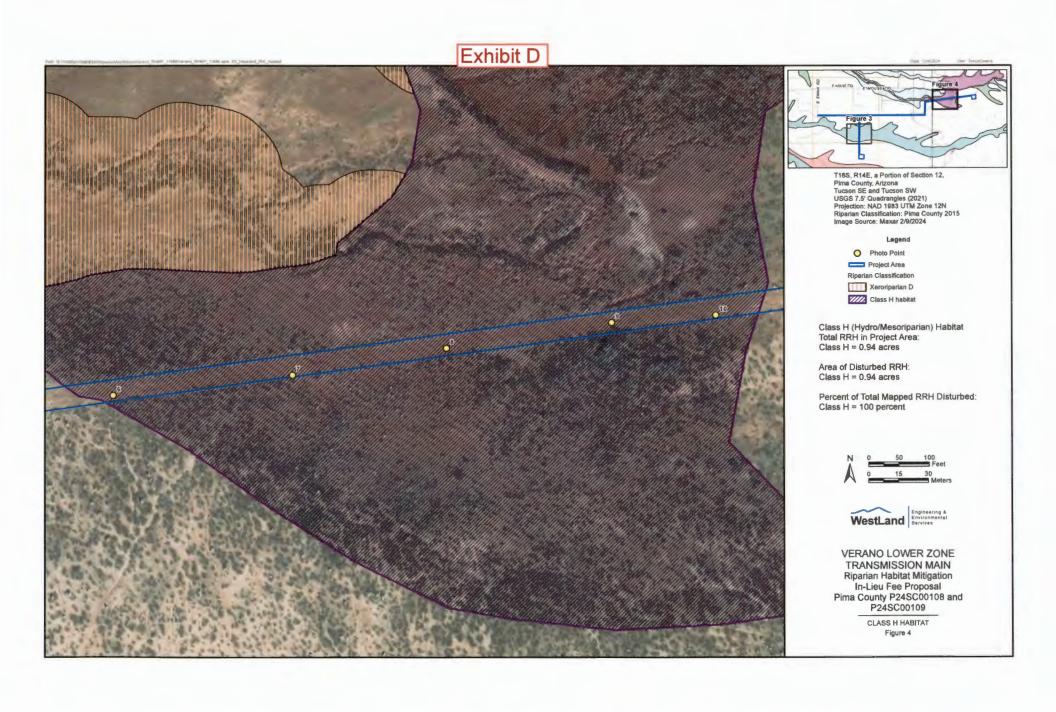


Exhibit D



Photo 1. Representative photo of IRA with underlying Xeroriparian C Regulated Riparian Habitat, northern portion of the habitat.



Photo 2. Representative photo of IRA with underlying Xeroriparian C Regulated Riparian Habitat, north central portion of the habitat.



Photo 3. Representative photo of IRA with underlying Xeroriparian C Regulated Riparian Habitat, central portion of the habitat.



Photo 4. Representative photo of IRA with underlying Xeroriparian C Regulated Riparian Habitat, south central portion of the habitat.

Global Water Resources, Inc.
Regulated Riparian Habitat Mitigation Plan
Attachment A

Photopage 1



Exhibit D



Photo 5. Representative photo of Class H (Hydro/Mesoriparian) Regulated Riparian Habitat, western portion of the habitat.



Photo 6. Representative photo of Class H (Hydro/Mesoriparian) Regulated Riparian Habitat, west central portion of the habitat.



Photo 7. Representative photo of Class H (Hydro/Mesoriparian) Regulated Riparian Habitat, east central portion of the habitat.

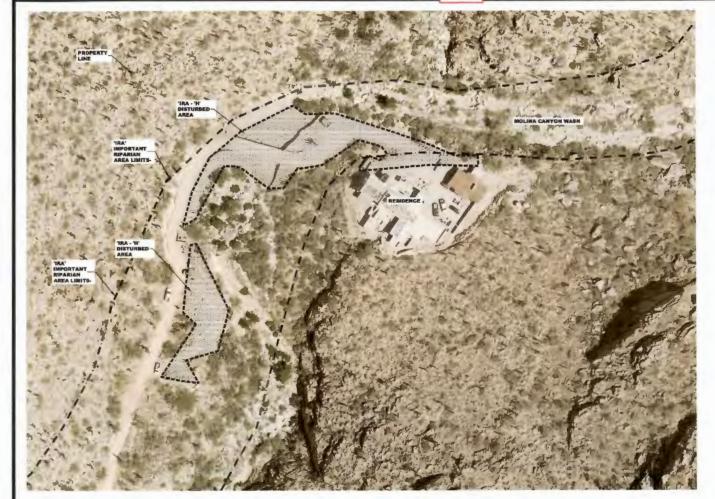


Photo 8. Representative photo of Class H (Hydro/Mesoriparian) Regulated Riparian Habitat, eastern portion of the habitat.

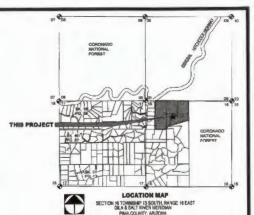
Global Water Resources, Inc.
Regulated Riparian Habitat Mitigation Plan
Attachment A

Photopage 2





AS TAKEN FROM RRH DISTURBANCE EXHIBIT FROM IRENE CASTILLO (11-13-2024)



NOTES

2024 AERIAL PHOTO FROM PIMA MAPS - ORTHOPHOTO IMAGERY

TOTAL AREA OF EXISTING REGULATED RIPARIAN HABITAT DISTURBED IRA - XERORIPARIAN H = 0.06 ACRES

DRIVEWAY DISTURBED PRIOR TO THE RIPARIAN ORDINANCE

JUSTIFICATION FOR DISTURBANCE TO REGULATED RIPARIAN HABITAT

THE REGILATED RIPARIAN HABITAT HAS BEEN DISTURBED DURING CONSTRUCTION FOR THE CONSTRUCTION OF THE HOME.

CALCULATION FOR THE PROPOSAL

TOTAL AREA OF EXISTING REGULATED RIPA IRA - XEROREPARIAN 14 = 9.96 ACRES MAN HABITAT DISTURBED

TOTAL AREAS OF EXISTING REGULATED RIPARIAN HABITAT TO BE MITIGATED FOR AS AN IN-LIEU FEE.

IRA - XERORIPARIAN 1/ = 0.66 ACRES x (\$19,560) = \$12,903

IN-LIEU FEE CALCULATION PER THE FLAT FEE TABLE OPTION FOR A DEVELOPMENT PROJECT. = \$12,003

OWNER / DEVELOPER
MICHAL CAINYON PARTNERSHIP
STIG STH AVE
ALTOONA PA 10002
ATTENTION* LOU SHEETZ

LANDSCAPE ARCHITECT
THE WILD GROUP, INC.
444 E. BRIDADINAY BLYO.
TUDGON. 42. 55711
PHONE: [S29] 881-7400
ATTENTION: GRAPY GRIZZLE.
GORIZZLE@WILBORO.JP.COM

REGULATED RIPARIAN HABITAT RIPARIAN HABITAT MITIGATION IN-LIEU FEE PROPOSAL **MOLINA CANYON**

12765 E. CABEZA DE VACA

PARCEL # 20529001J

LOCATED IN SECTION 16 TOWNSHIP 13 SOUTH, RANGE 16 EAST GILA & SALT RIVER MERIDIAN PIMA COUNTY, ARIZONA



1200

REGULATED RIPARIAN HABITAT
RIPARIAN HABITAT MITIGATION IN-LIEU FEE PROPOSAL

and the same



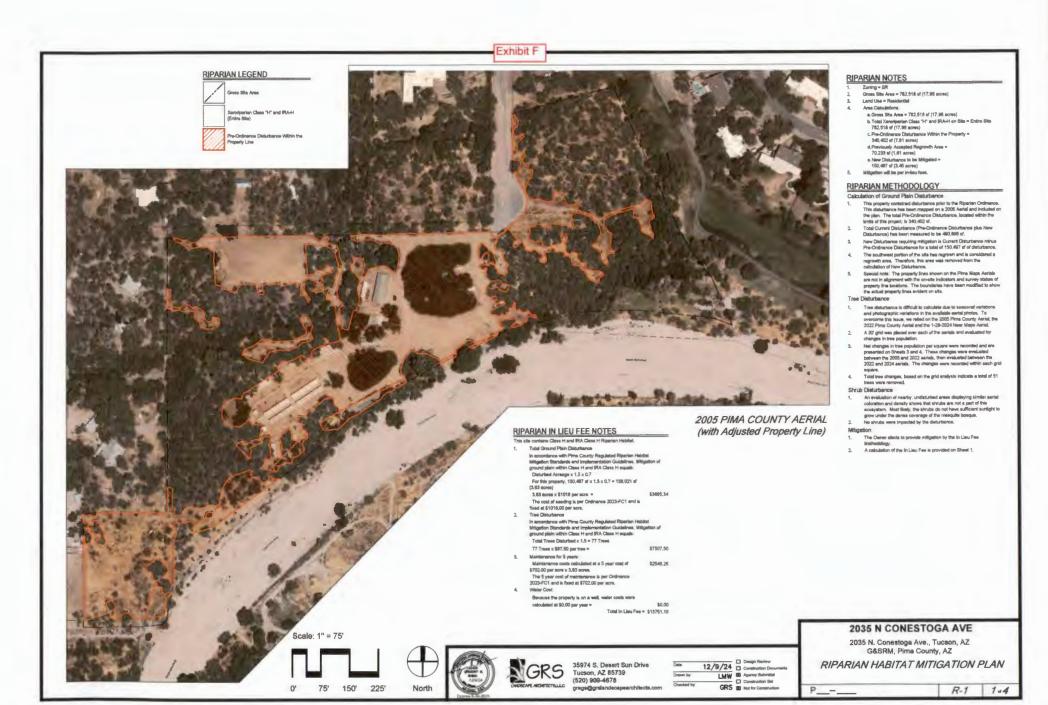
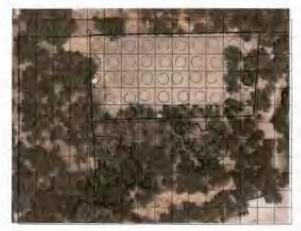
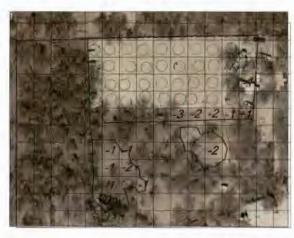


Exhibit F



2005 PIMA COUNTY AERIAL



2022 PIMA COUNTY AERIAL

AERIAL COMPARISONS LEGEND



Evaluated Squares with No Change



Not Change in Masquits Trees

SUMMARY OF TREES LOST 2005 to PRESENT: Sheet 1 = 29 TREES Sheet 2 = 22 TREES TOTAL TREES LOST = 51 TREES

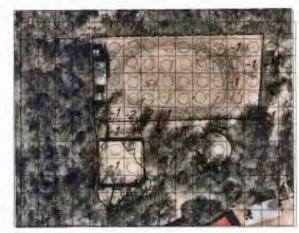




KEY MAP - No Scale



2022 PIMA COUNTY AERIAL



1-29-24 NEAR MAPS AERIAL

Scale: 1" = 50'



0' 25' 50' 100' 150'







35974 S. Desert Sun Drive Tucson, AZ 85739 (520) 909-4678

Orawa by:

12/9/24 □ Design Review
□ Carathruction Decar
■ Agency Submittel
□ Carathruction Set
□ RS □ Not for Construction

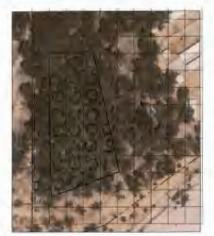
2035 N CONESTOGA AVE

2035 N. Conestoga Ave., Tucson, AZ G&SRM, Pima County, AZ

AERIAL COMPARISONS TREE EVALUATION AREA #1

TE-1

3.4



2005 PIMA COUNTY AERIAL



2022 PIMA COUNTY AERIAL





Evaluated Squares with No Change



Net Change in Mesquite Trees

SUMMARY OF TREES LOST 2005 to PRESENT: Sheet 1 = 29 TREES Sheet 2 = 22 TREES TOTAL TREES LOST = 51 TREES





KEY MAP - No Scale



2022 PIMA COUNTY AERIAL



1-29-24 NEAR MAPS AERIAL

Scale: 1" = 50'



0' 25' 50' 100' 150'







GRS 35974 S. Desert Sun Drive Tucson, AZ 85738 (520) 909-4678

2035 N CONESTOGA AVE

2035 N. Conestoga Ave., Tucson, AZ G&SRM, Pima County, AZ

AERIAL COMPARISONS TREE EVALUATION AREA #2

TE-2 4.4