

BOARD OF SUPERVISORS AGENDA ITEM REPORT

Requested Board Meeting Date: September 5, 2017

Title: Approval of a Riparian Habitat Mitigation In-Lieu Fee Proposal Located at 13990 North Lago Del Oro Parkway within Important Riparian Area with Underlying Xeroriparian Class B Habitat (District 1)

Introduction/Background:

Chapter 16.30 of the Pima County Floodplain Management Ordinance No. 2010-FC5 (Ordinance) requires mitigation when cumulative disturbance of more than 1/3 acre of mapped riparian habitat occurs. If a project site contains suitable area(s) for mitigation, restoration, or enhancement, then on-site mitigation is required in accordance with the adopted Regulated Riparian Habitat Mitigation Standards and Implementation Guidelines. The Ordinance contains a provision for mitigation banking when on-site mitigation is not feasible. All off-site mitigation proposals require Flood Control District Board of Directors (Board) review and approval.

Discussion:

Pima Pistol Club (PPC) is a member only commercial establishment that is applying for a floodplain use permit to construct an archery range within a FEMA Flood Hazard Zone (Zone AE) located at 13990 North Lado Del Oro Parkway. The property and the proposed archery range are located within Regulated Riparian Habitat (RRH) classified as Important Riparian Area with Underlying Xeroriparian Class B Habitat. PPC hired Greg Shinn, with GRS Landscape Architects, LLC, to prepare a Riparian Habitat Mitigation Plan. PPC is proposing to contribute a fee of \$4,180.72 in-lieu of on-site mitigation.

Conclusion:

Acceptance of mitigation banking funds in-lieu of on-site mitigation is allowed under the Ordinance. Contributions to the mitigation bank for disturbance of this habitat will provide funds to be used toward purchase of high value resources or towards restoration of degraded riparian habitat within Pima County.

Recommendation:

Fiscal Impact:

The ILF proposal presented conforms with the Ordinance and, as such, the District recommends approval.

\$4,180.72					
Board of Supervisor District:					
⊠ 1	□ 2	□ 3	□ 4	□ 5	□ All
Departmen	t: Regional Flood	Control District	Te	lephone: 724-460	00
Contact:	Suzanne Shields	s, P.E.	Te	lephone: 724-460	00
Departmen	t Director Signatur	re/Date:	1	Ē	8/10/17
Deputy County Administrator Signature/Date:					
County Administrator Signature/Date: CRULLETUN 8/11/17					





FLOOD CONTROL

TO:

DATE: August 8, 2017

Flood Control District Board of Directors FROM: Suzanne Shields, P

Director

SUBJECT: Approval of a Riparian Habitat Mitigation In-Lieu Fee Proposal Located at 13990 North

Lago Del Oro Parkway within Important Riparian Area with Underlying Xeroriparian

Class B Habitat (District 1)

Background

Chapter 16.30 of the Pima County Floodplain Management Ordinance No. 2010-FC5 (Ordinance) requires mitigation for mapped riparian habitat disturbances greater than 1/3 acre. If a project site contains suitable area(s) for riparian restoration, enhancement, or establishment, onsite mitigation occurs in accordance with the adopted *Regulated Riparian Habitat Mitigation Standards and Implementation Guidelines*. The Ordinance contains a provision for mitigation banking, when on-site mitigation is not feasible. All offsite mitigation proposals require Flood Control District Board of Directors (Board) review and approval.

Report

Pima Pistol Club (PPC) is a member only commercial establishment that is applying for a floodplain use permit to construct an archery range within a FEMA Flood Hazard Zone (Zone AE) located at 13990 North Lago Del Oro Parkway (Exhibit A). The property and the proposed archery range are located within Regulated Riparian Habitat (RRH) classified as Important Riparian Area with Underlying Xeroriparian Class B Habitat (Exhibit B). PPC has made numerous improvements to the property over the past few years and has exceeded the RRH disturbance threshold that requires a submittal of a Riparian Habitat Mitigation Plan (RHMP). Previous mitigation was met through on-site planting.

PPC hired Greg Shinn, with GRS Landscape Architects, LLC, to prepare a RHMP (Exhibit C). As a result of the improvements on the property PPC is running out of space to provide on-site mitigation. Therefore PPC is proposing to contribute a fee, in-lieu of on-site mitigation. Mr. Shinn used previously approved plant quantities from an RHMP to calculate the in-lieu fee. PPC is proposing to contribute a fee of \$4,180.72, based on the cost estimate prepared by Mr. Shinn.

Recommendation

Acceptance of mitigation banking funds in-lieu of onsite mitigation is allowed under the Ordinance. Contributions to the mitigation bank for disturbance of this habitat will provide funds to be used toward purchase of high value resources or towards restoration of degraded riparian habitat within Pima County

Attachments:

Exhibit A – Project Location

Exhibit B - Project Site - Riparian Classification Map

Exhibit C - Mitigation Banking In-lieu Fee Proposal

Exhibit A



Exhibit B

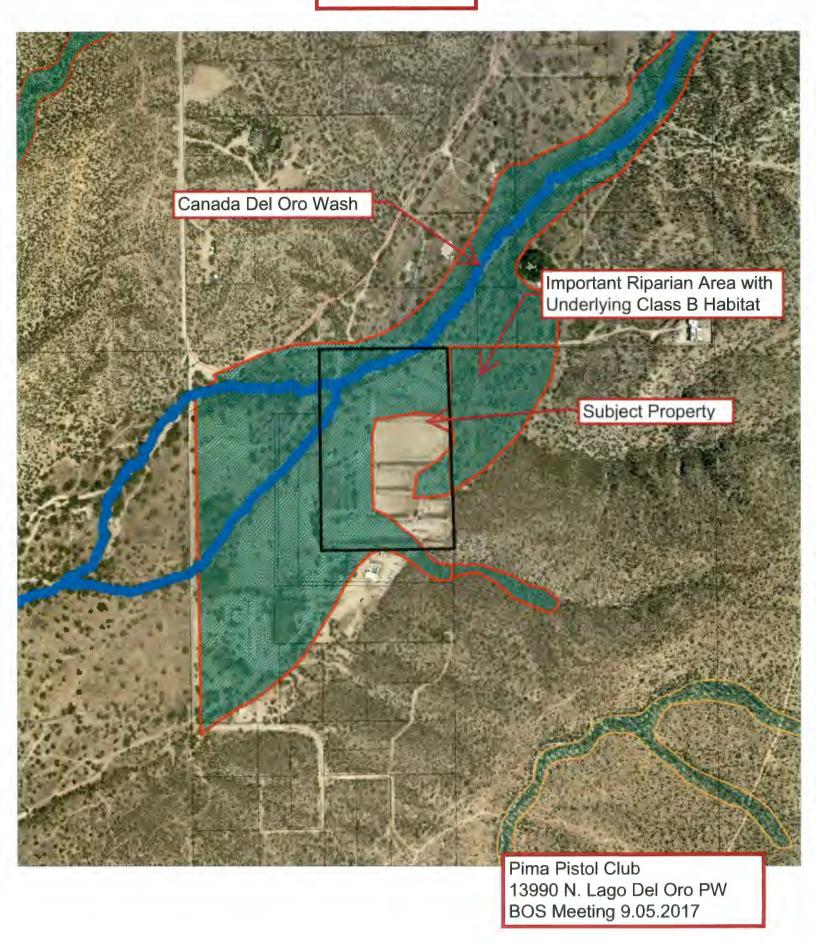
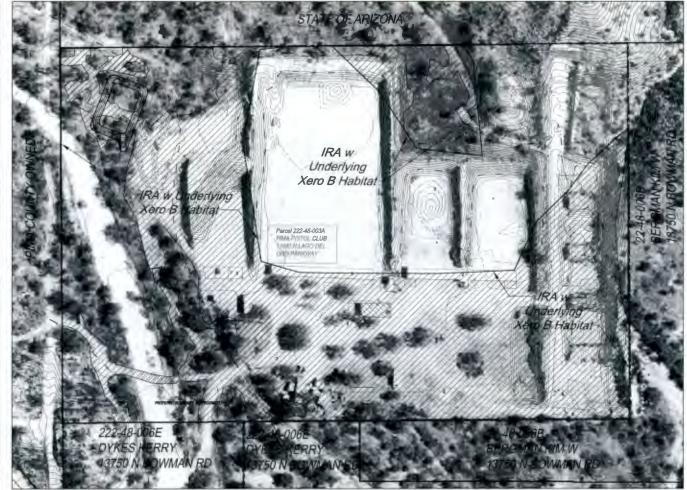
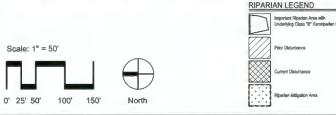


Exhibit C



PRE-ORDINANCE DISTURBANCE BASED ON 2000 AERIAL







11047 N. Cloud View Place Tucson, AZ 85737 (520) 877-8037

	8/04/17
byc	LMY
thys:	LM

CALCULATIONS underlying Xeroriparian Class 181 Habital Total Regulated Ripasian Habitat Dn-Star 452,750 of (10:35 acres) 374,331 of (8.59 ac) 302,053 of (6.93 ac) ctal Area of Disturbed Riperior Hotelan Pre-Ordinarce Disturbance Post-Ordinance Disturbance 72:278 et (1.68 ac) 76:892 et (1.74 ac) lin. Mitgution Area Regulated = Total # of Trees Required = 1.5 x 13 x 1.60 = 45 Trees (See Note 1)
Total # of Shade Required = 1.5 x 44 x 1.66 = 110 Shade (See Note 1)

Total Riparian Mitigation Area Re	75,892 sf (1.74 ac)	
Total Riparian Mitigation Area Pr	42,596 af (0.98 ac)	
Total Riperian Mitigation Area Pr	rovided by in lieu fee	33,296 sf (0.76 ac)
Total # of Trees Required =	1.5 x 18 x 1.66 =	45 Trees
Total Trees Provided on Site		49 Trees
Total Trees Provided by in Beu	fee	0 Trees
Total # of Shrubs Required =	1.5 x 44 x 1 66 =	110 Shrubs
Total Shrubs Provided on Site		50 Shrubs
Total Shrubs Required by in lie	60 Shrubs	
Total Hydroseed Required =		75,892 af (1.74 ac)
Total Hydroseed Provided on S	42,596 sf (0.96 ac)	
Total Hydroseed Provided by it	33,296 sf (0.76 ac)	

Note 1 - Quantities of trees and shrubs per sore is based on approved quantities from the previously-approved mitigation plan.

PIMA PISTOL CLUB CALCULATION OF IN-LIEU FEE

Missing Plant Material

30 5 gal. Shrube 30 - I gal. Shrube 33,296 - SF Native Seed

Cost Calculation

30 - 5 gal, Shruba - \$ 35.00 ¹	1050.00
30 - 1 gal, Shruba - \$ 10.00 ¹	300.00
33296 - SF Native Seed - \$ 0.07	2,330.72
Maintenance Cost	500.00
Irrigation Cost -\$ 0.00 ²	0.00
Water Cost ³	0.00

TOTAL IN-LIBU FEE \$ 4,180,72

1 - These are "wet" costs that include the cost of spaghetti tubing and emitters.

- 2 Irrigation structure (meta-backflow, irrigation controller, mainline, poly line, valve and pressure regulators) are not affected by the addition of this plant material. No Mainline extension or additional valves are required to irrigate additional plant material. Cost of irrigation is included in "wet" costs of # 1 above.
- 3 Property is served by a well and does not pay commodity charges for water.

- 1. This Riparian Habitat Mitigation Plan (RHMP) is meant to resolve all required mitigation on the property, including mitigation shown on previous plans.
- 2. Pre-Ordinance Disturbance has been mapped and quantified using the 2000 aerial photo.
- 3. Post Ordinance Disturbance, including areas disturbed after 2000 and areas anticipated to be disturbed as part of the new construction, have been calculated.
- 4. The required mitigation for the disturbance is calculated using the previously approved mitigation ratios. These were based on field mapping and approved as part of the 2012 RHMP. Because this is an Important Riparian Area, all mitigation requirements were increased by 50%. 5. Two areas are being kept as Mitigation Areas, all remaining mitigation areas shown on the 2012 RHMP are being deleted. These two mitigation areas have significant planted native vegetation in good condition.
- 5. An inventory of mitigation currently growing within these two mitigation areas has been included with the submittal.
- 6. Deficiencies in mitigation (total required mitigation provided mitigation) are proposed to be satisfied with an In Lieu Fee.
- 7. The In Lieu Fee has been calculated and provided on this RHMP.
- 8. The previously approved BHMP prepared by Arroya Engineering is shown on the last page of this set for reference. This RHMF supersides the previous RHMP.

PIMA PISTOL CLUB

13990 N DEL LAGO PARKWAY, TUCSON, AZ 85739 A Portion of the Northwest Quarter of the Southwest Quarter of Section 22, T-11-S, R-14-E, G&SRM, Pima County, AZ

RIPARIAN HABITAT MITIGATION PLAN Floodplain Use Permit number: 17-210ERP

sheet 1 of 3



RIPARIAN MITIGATION NOTES

- RIPARIAN MITIGATION NOTES

 1. The Property-Owner shall be reaporable for maintenance of the required levelscape and inspection system in perpetuity.

 Required minigation as shown on these plains has been invasibled and is assibilithment. No further mitigation reports are required.

 The Project Owner, and/or the Deume's successors, agree to preserve and protect the Mitigation Areas in perputity.

 Mitigation area(s) to be first in an submit states. No disauthance shall occur within the religious news (s) without RFCO review and approval. Such disauthance shalling loss and the state of the state of







11047 N. Cloud View Place Tucson, AZ 85737 APE ARDERSCHALLS (520) 877-8037

8/04/17 LMW GRS

☐ Construction De

☐ Agency Submittel

PIMA PISTOL CLUB

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RIPARIAN HABITAT MITIGATION PLAN Floodplain Use Permit number: 17-210ERP

sheet 2 of 3









PLANT INVENTORY

PHOTO #1

PHOTO #2

PHOTO #3

IRA W Underlying Xero B Habitat IRA w Underlying Xero B Habitat Parcel 222-48-003A PIMA PISTOL CLUB 1399UN LAGO DEL ORO PARKWAY TRA W-Underlying ere B Habitat

Prosopis velutine - Native Mesquite Ceroidium microphyllum - Palo Veros Geriodium forlidum - Sillue Piero Vercei Geriodium microphyllum - Piero Vercei Prosopis wikulina - Native Mesquille Geriodium microphyllum - Piero Vercei Prosopis wikulina - Native Mesquille Prosopis wikulina - Native Mesquille Geriodium microphyllum - Piero Vercei Prosopis wikulina - Native Mesquille Prosopis velutira - Nativa Mesquite
Geradium reicophylum - Pao Veros
Prosopis velutira - Nativa Mesquita
Chilopais Simulari - Nativa Mesquita
Prosopis velutira - Nativa Mesquita Prosopis velutins - Native Mesquite Chilopela lineads - Jesert Willow
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 Ziziphus obtalatilis - Greysfrom
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 Prospir vesidate - Native Mesquid
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Encela farincea - Britis Bush Prospis vestira - Native Mesquida Non-Native Spocies Encela farincea - Britis Bush Encela farincea - Britis Bush Encela farincea - Britis Bush Prospis vestira - Native Mesquida Prospis vestira - Native Mesquida Prospis vestira - Native Mesquida Mesquida - Prospis vestira - Native Mesquida Encela ferronae - Brittes Buist
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 Fonds derronae - Brittes Buist
 Olio Encola Geronae - Brittes Buist
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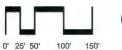
Rhus ovets - Sugar Bush Cercidium floridum - Blue Pallo Verde

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Prosepte veluli re - Netive Mesquite
Cercidium microphyllum - Palo Verde
Encelle fermas - Brittle Bush
Encelle fermas - Brittle Bush
Encelle fermas - Brittle Bush

MITIGATION AREAS

Scale: 1" = 50'





North

THE PREVIOUSLY APPROVED RHMP PREPARED BY ARROYO ENGINEERING IS SHOWN ON THE NEXT PAGE FOR REFERENCE. THIS RHMP SUPERSEDES THE PREVIOUS RHMP.





11047 N. Cloud View Place Tucson, AZ 85737

8/04/17 Design Review

Observation Do

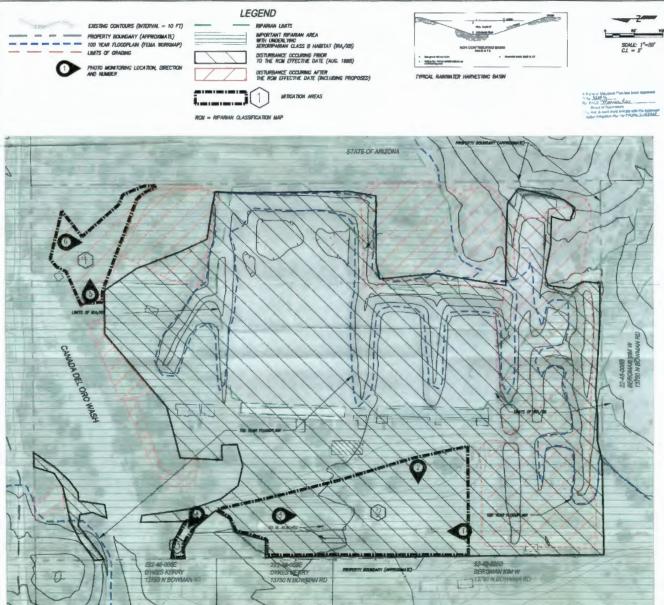
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PIMA PISTOL CLUB

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RIPARIAN HABITAT MITIGATION PLAN Floodplain Use Permit number: 17-210ERP

sheet 3 of 3



CALCULATIONS:

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AND ATTEMPT TO THE PROPERTY OF THE ROSS - 1.5 ADES
AND ATTEMPT TO THE PROPERTY OF THE PROP

MITGARON ANEAG ANEA (1)= 0.30 ACHES = 8 THEES, 22 SHRIBES ANEA (2)= 0.32 ACHES = 34 THEES, 82 SHRIBES ANEA (2)= 0.42 ACHES = 1 THEE, 22 SHRIBES

ALL WIGHERS MALE IS SEED WITH APPENDED SEED MR. COMECT STIENC BAT.

(D.S. AND) SHALL BE CHEMBED WICH SEED IS TREDUKED FROM MAJOR AND ROLLED IN
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GENERAL NOTES:

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- MITCATION PLANTINGS WILL BE WATCHED LIGHIC DRIP BRICATION.
- ONCE PLANTS MAKE ESTABLISHED, SUPPLEMENTAL IMPIGATION WILL BE DECREASED IN ACCOMMANCE WITH APPRICESS C OF THE GARDLISES.
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PMA COUNTY RESIDUAL PLODE CONTROL DISTRICT ATTH: MASSE RESIDUAÇÕES STREET, 2010 FLOOR STREET, 2010 FLOOR STREET, 2010 FLOOR STREET, 2010 FLOOR

- THE PROJECT OWER AND/OR THE QUBRIES' SECRESCIPS, ARRIVE TO PRESENT AND PROJECT THE WINDLESS AND THE PER UNITAGE OF THE PERDICULT, PURPOSE OF THE PER UNITAGE OF THE P
- 8 ANCH GEEF WATER HAPPLESING BASHS WILL BE CONSTRUCTED WINDS THE MEMORITOR AREA(8) AND SHALL BE SITED TO ANCID CHISTING BASTNE VESETABOR.

MITIGATION SCHEDULE:

Species	Quantity	Existing	Same
Chilipsis Anasto Deept MRbw	10	2	50 % 15 gal.50 % 5 gal.
Prompte velotion/Velval Margadin	15	5	50 % 15 gmL/60 % 5 gmL
Parlimonia Britis/Biar pobrardo	15		50 % 15 gal./50 % 5 gal.
Lighten region Fetzone black wells.	1 2	2	50 % 15 gml./60 % 6 gml
Celtis religials/Anticel hackberry	1	1	50 % 15 gmi.60 % 8 gmi.
yelone seboniForferter	1	. 1	50 % 15 pai/60 % 5 pai
Total	= 44		

Species	Quantity	Existing	State
Ziziolea obtualisia/Graythorn	20		50 % 5 gal 80 % 1 g
Lycken anderson@Wolfberry	20		50 % 5 gai 250 % 1 ga
Cellis pulicialdoper lauckbarry	24	1	50 % 5 gml/80 % 1 g
Inccome forusects-Burrobush	26		50 % 5 gal /50 % 1 ga
Trials collisionical Trials	20		50 % 5 gml./50 % 1 gm
Rhue evelstinger sums:	1	2	50 % 5 gel /60 % 1 g
Vacquellale collibration Hatz ronner	pad 1	1	50 % 6 gmL/50 % 1 p
T-4-	400		

PARICEL TAX CODE NO. 223-48-0884 CWINER: PHIA PRINCI CLUB PROPERTY NODERS: 1980 N LAGO DEL CIRO PW FFUP NOL. 11-46489 (PLACEMENT OF FEL) PRINCITE GRACING PLAN NO. P.272-309 PTETRIBORS



RROYOUT

CLUB DEL ORO PARKWAY 0

HABITAT MITIGATION PLAN FOR

PIST LAGO 13990 N. PIMA

DATE 10-25-12 DESIGNED BY: A.T. DRAWN BY: AB CHECKED BY: AT

SCALE: H: 1"=50" SHE NO.