November 2017
SJCOG, Inc.

STAFF REPORT

SUBJECT: SJMSCP Preserves Habitat Restoration Projects Update

RECOMMENDED ACTION: Information Only

DISCUSSION:

SUMMARY:

Since the site preparations at the Gwerder and Larson/Garcia preserves were approved (February 2017) and completed, the enhancements in the preserve management plans (PMP) for the Seegers, Perry, Gwerder and Larson/Garcia Preserves have been slated to start this fall. The quick completion of the site preparation on the respective preserves allowed the fall restoration on all four properties to commence collectively.

A Request for Proposals (RFP) to select a sub-contractor to provide restoration services was issued by SJCOG, Inc.'s land manager, ICF, under the existing land management contract for the habitat plan.

RECOMMENDATION:

None.

FISCAL IMPACT:

The restoration work by ICF and their selected sub-consultant, Triangle Properties, will be executed by a work order under the existing land management contract. The restoration project bid for the four current preserve sites will not exceed **$299,500** plus a 10% contingency for any unforeseen issues. The funds to be obligated to the restoration contract will come from the land management funds associated with the respective preserves (Seegers, Perry, Gwerder and Larson/Garcia).

BACKGROUND:

ICF issued an RFP in September 2017 to select a sub-contractor restoration firm to perform on-going restoration projects in cooperation with ICF under the existing contract for the next three years. The responding firms (see below) were measured for the award based on experience, references and scope of work costing in the RFP by ICF for the preserve enhancements.

1. **Triangle Properties (Bid = $273,500)**

2. Habitat Restoration Science (Bid = $376,236)
3. Hanford A.R.C. (Bid = $429,915)

ICF staff selected Triangle Properties for the sub-contractor under the land management contract.

The scope of work for the current restoration project includes various site preparations, grading, irrigation installation, revegetation and maintenance activities associated with the SJMSCP preserves and land management services over the course of time. The prevailing wage work would be performed between November 2017 and December 2019 with the maintenance to occur over a 2-year post installation period. The revegetation areas included:

- 650 linear feet (0.12 acres) of an irrigation supply ditch and 0.13-acre border -Perry Preserve.
- 3,626 linear feet (4.6 acres) of the former walnut orchard - Larson/Garcia Preserve.
- 0.35-acre upland patch - Gwerder Preserve.
- 2,200 linear feet (0.26 acre) of agricultural border - Seegers Preserve.
- ICF land management oversite, monitoring and reporting for 2-3 years.

COMMITTEE ACTIONS:

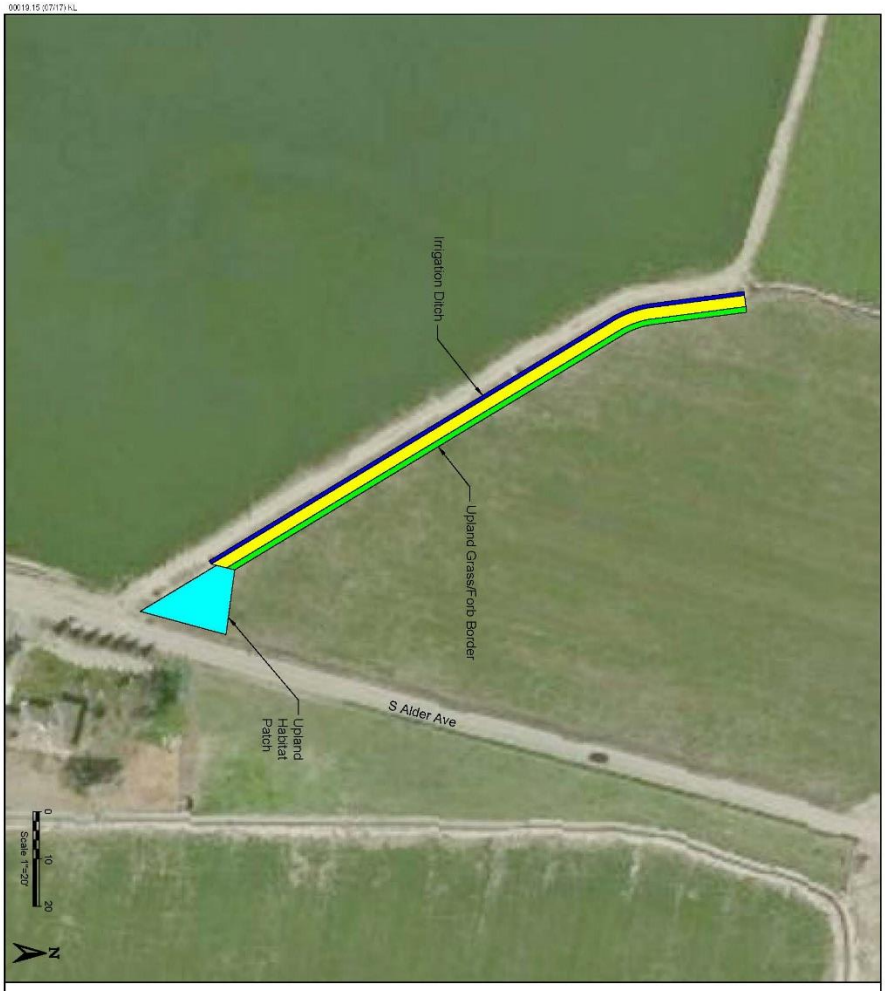
- Habitat Technical Advisory Committee: Information
- SJCOG, Inc. Board: Information

ATTACHMENTS:

1. 2017 Preserve Enhancement Area Figures (Perry, Larson/Garcia, Gwerder, Seegers)

Prepared by: Steven Mayo, Program Manager

ATTACHMENT 1 – Preserve site figures (Perry, Larson/Garcia, Gwerder, Seegers)



UPLAND HABITAT CONTAINER PLANT MIX

PLANT TYPE	SPECIES NAME		AVERAGE PLANT HEIGHT (FEET ON CENTER)	QTY
	BOTANICAL	COMMON		
BACCHARIS PILULARIS		COYOTE BRUSH	20	3
SHRUB	FRANGULA CALIFORNICA	CALIFORNIA COFFEEBERRY		2
TREE	QUERCUS LOBATA	VALLEY OAK		4

RIPARIAN DITCH CONTAINER PLANT MIX

PLANT TYPE	SPECIES NAME		PLANT SPACING	QTY
	BOTANICAL	COMMON		
HERB - TOP	JUNCUS MEMTICUS	BALTIC RUSH	2 LINEAR ROWS 1 FLUG PER ROW EVERY 5 LINEAR FEET	194
	JUNCUS EFFUSUS	BOG RUSH		194
HERB - BOTTOM	HORDEUM BRACHYANTHERUM	MEADOW BARLEY		42
	CAREX BARBARAE	SANTA BARBARA SEDGE		192
HERB - TOP & SIDESLOPE	CAREX PRAEGRACILIS	FIELD SEDGE	3 LINEAR ROWS 1 FLUG PER ROW EVERY 5 LINEAR FEET	130
	ELYMUS TRITICOIDES	BEARDLESS WILD RYE		290
	HORDEUM BRACHYANTHERUM	MEADOW BARLEY		130

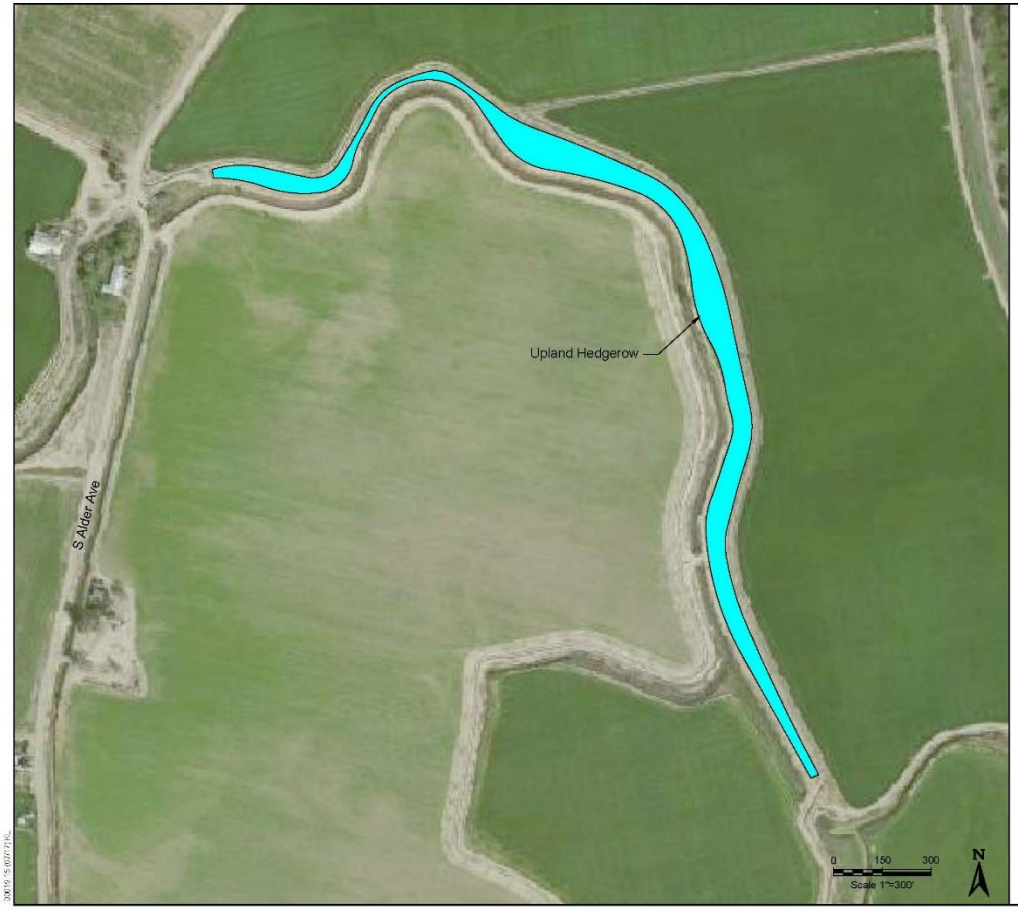
UPLAND GRASS/FORB BORDER SEED MIX

SPECIES NAME		SEEDING RATE (POUNDS PURE LIVE SEED/ACRE)
BOTANICAL	COMMON	
XERICES MIX	FORB MIX	5 (OR 1 LB/500 SQ FT)
ELYMUS GLAUCUS	BLUE WILD RYE	5.0
ELYMUS TRITICOIDES	BEARDLESS WILD RYE	6.0
HORDEUM BRACHYANTHERUM	MEADOW BARLEY	8.0
SITANION HYSTRIX	BOTTLEBRUSH SQUIRREL TAIL	10.0

RIPARIAN DITCH SEED MIX

SPECIES NAME		SEEDING RATE (POUNDS PURE LIVE SEED/ACRE)
BOTANICAL	COMMON	
AGROSTIS EXARATA	SPIKE BENTGRASS	0.5
ALOPECURUS PRATENSIS	MEADOW FOXTAIL	0.5
ELYMUS GLAUCUS	BLUE WILD RYE	6.0
ELYMUS TRITICOIDES	BEARDLESS WILD RYE	6.0
HORDEUM BRACHYANTHERUM	MEADOW BARLEY	10

Figure 1
Perry Property
2017 Habitat Enhancement



UPLAND HEDGEROW CONTAINER PLANT MIX

PLANT TYPE	SPECIES NAME		AVERAGE PLANT SPACING (FEET ON-CENTER)	QTY
	BOTANICAL	COMMON		
SHRUB	BACCHARIS PILULARIS	COYOTE BRUSH	10	400
	ROSA CALIFORNICA	CA WILD ROSE		700
	RUBUS URSINUS	CA BLACKBERRY		700
	SAMBUCUS NIGRA SSP. CAERULEA	BLUE ELDERBERRY		200

UPLAND HEDGEROW SEED MIX

SPECIES NAME		SEEDING RATE (POUNDS PURE LIVE SEED/ACRE)
BOTANICAL	COMMON	
ACMISPON AFRICANUS VAR. AMERICANUS	SPANISH LOTUS	TBD
ARTEMISIA DOUGLASIANA	CA MUGWORT	TBD
ELYMUS GLAUCUS	BLUE WILDRYE	TBD
ELYMUS TRITICOIDES	BEARDLESS WILDRYE	TBD
GRINDELIA CAMPORUM	COMMON GUMPLANT	TBD
HORDEUM BRACHYANTHERUM	MEADOW BARLEY	TBD
PLANTAGO ERECTA	CA PLANTAIN	TBD
TRIFOLIUM SP.	CLOVER	TBD

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Figure 2
Larson/Garcia Property
2017 Habitat Enhancement

UPLAND HABITAT CONTAINER PLANT MIX

PLANT TYPE	SPECIES NAME		AVERAGE PLANT SPACING (FEET ON-CENTER)	QTY
	BOTANICAL	COMMON		
HERB	ARTEMISIA DOUGLASIANA	CA MUGWORT	CLUSTERS OF 6 @ 1' O.C.; SPACE CLUSTERS 20' O.C.	48
	CAREX BARBARAE	SANTA BARBARA SEDGE		48
	ELYMUS TRITICOIDES	BEARDLESS WILD RYE		144
SHRUB	FRANGULA CALIFORNICA	CA COFFEEBERRY	20	16
	ROSA CALIFORNICA	CA WILD ROSE	CLUSTERS OF 2 @ 2' O.C.; SPACE CLUSTERS 20' O.C	20
	RUBUS URSINUS	CA BLACKBERRY		20
	SAMBUCUS NIGRA SSP. CAERULEA	BLUE ELDERBERRY	20	4
TREE	QUERCUS LOBATA	VALLEY OAK	50	6

UPLAND HABITAT SEED MIX

SPECIES NAME		SEEDING RATE (POUNDS PURE LIVE SEED/ACRE)
BOTANICAL	COMMON	
XERCES MIX	FORB MIX	5.0 (BULK LBS/ACRE)
ELYMUS GLAUCUS	BLUE WILDRYE	5.0
ELYMUS TRITICOIDES	BEARDLESS WILD RYE	5.0
HORDEUM BRACHYANTHERUM	MEADOW BARLEY	3.0
STIPA PULCHRA	PURPLE NEEDLEGRASS	10.0

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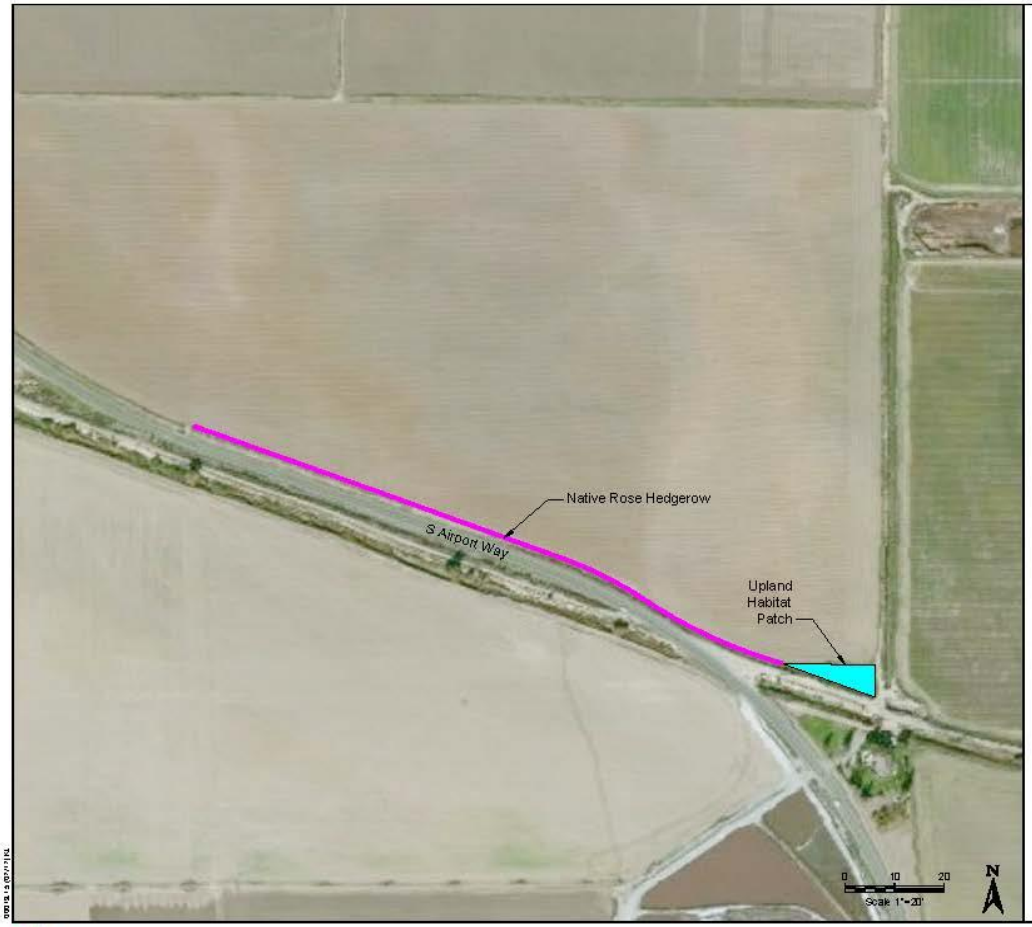
Figure 3
Gwerder Property
2017 Habitat Enhancement



UPLAND HABITAT CONTAINER PLANT MIX

PLANT TYPE	SPECIES NAME		AVERAGE PLANT SPACING (FEET ON-CENTER)	QTY
	BOTANICAL	COMMON		
HERB	ARTEMISIA DOUGLASIANA	CAMUGWORT	CLUSTERS OF 6 @ 1' O.C.; SPACE CLUSTERS 20' O.C.	36
	CAREX BARBARAE	SANTA BARBARA SEDGE		36
	ELYMUS TRITICOIDES	BEARDLESS WILD RYE		108
SHRUB	FRANGULA CALIFORNICA	CACOFFEEBERRY	20	3
	ROSA CALIFORNICA	CA WILD ROSE	CLUSTERS OF 2 @ 2' O.C.; SPACE CLUSTERS 20' O.C.	24
	RUBUS URSINUS	CA BLACKBERRY		24
	SAMBUCUS NIGRA SSP. CAERULEA	BLUE ELDERBERRY	20	3
TREE	ACER NEGUNDO	BOXELDER	25	3
	QUERCUS LOBATA	VALLEY OAK		4

NATIVE ROSE HEDGEROW CONTAINER PLANT MIX

PLANT TYPE	SPECIES NAME		AVERAGE PLANT SPACING (FEET ON-CENTER)	QTY
	BOTANICAL	COMMON		
SHRUB	ROSA CALIFORNICA	CA WILD ROSE	CLUSTER OF 2 @ 2' O.C.; SPACE CLUSTERS 6' O.C.	720

UPLAND HABITAT SEED MIX

SPECIES NAME		SEEDING RATE (POUNDS PURE LIVE SEED/ACRE)
BOTANICAL	COMMON	
XEROCEB MIX	FORB MIX	5.0 (BULK LBS/ACRE)
ELYMUS GLAUCUS	BLUE WILD RYE	5.0
ELYMUS TRITICOIDES	BEARDLESS WILD RYE	5.0
HORDEUM BRACHYANTHERUM	MEADOW BARLEY	3.0
STIPA PULCHRA	PURPLE NEEDLEGRASS	10.0

Figure 4
Seegers Property
2017 Habitat Enhancement