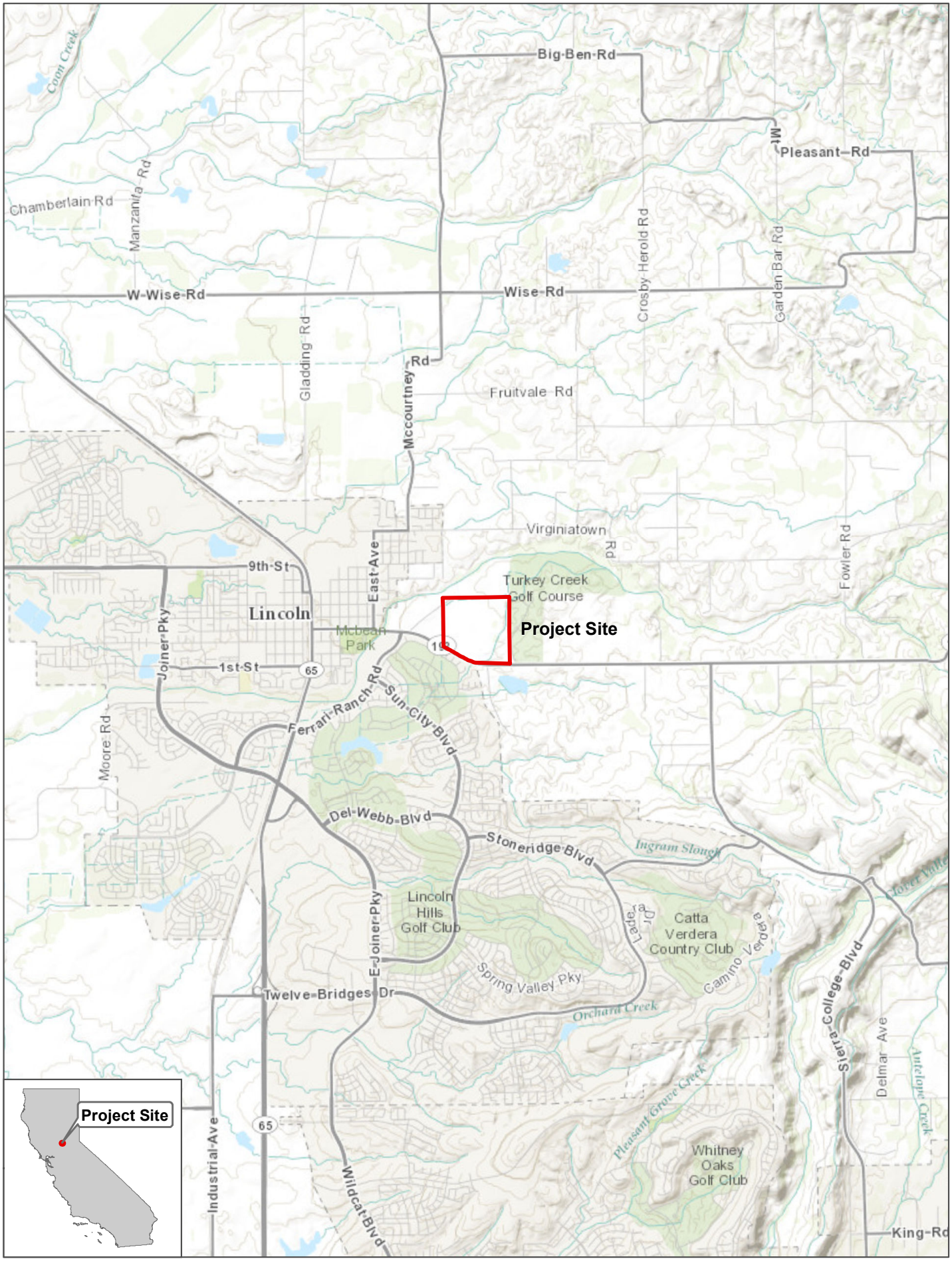

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N

NOT TO SCALE

WALKUP RANCH

Figure 1

Project Site and Vicinity

WETLANDS**			
Wetland Type	ID	Acres	Linear Feet
Seasonal Wetland	SW-1	0.016	n/a
	SW-2	0.431	n/a
	SW-3	0.163	n/a
	SW-4	0.137	n/a
	SW-5	0.186	n/a
	SW-6	0.022	n/a
	SW-7	0.218	n/a
	SW-8	0.113	n/a
	SW-9	0.030	n/a
	SW-10a	0.034	n/a
	SW-11	0.016	n/a
	SW-12	0.015	n/a
	SW-13	0.022	n/a
	SW-15	0.006	n/a
	SW-16	0.011	n/a
	SW-18	0.004	n/a
	SW-20a	0.029	n/a
	SW-20b	0.015	n/a
	SW-20c	0.024	n/a
	SW-22a	0.066	n/a
	SW-23a	0.345	n/a
	SW-28a	0.021	n/a
	SW-41a	0.026	n/a
	SW-42a	0.086	n/a
	SW-43a	0.087	n/a
	SW-44a	0.011	n/a
	SW-45a	0.014	n/a
	SW-48a	0.019	n/a
	SW-48b	0.035	n/a
	SW-48c	0.006	n/a
	SW-48d	0.016	n/a
	SW-50a	0.008	n/a
	SW-50b	0.009	n/a
	SW-50c	0.025	n/a
	SW-50d	0.020	n/a
	SW-50e	0.016	n/a
	SW-50f	0.019	n/a
	SW-50g	0.007	n/a

WETLANDS**			
Wetland Type	ID	Acres	Linear Feet
Seasonal Wetland	SW-50h	0.017	n/a
	SW-50i	0.018	n/a
	SW-50j	0.008	n/a
	SW-50k	0.016	n/a
	SW-50l	0.012	n/a
	SW-50m	0.019	n/a
	SW-50n	0.059	n/a
	SW-50o	0.032	n/a
	SW-50p	0.030	n/a
	SW-50q	0.024	n/a
	SW-50r	0.009	n/a
	SW-50s	0.020	n/a
	SW-50t	0.013	n/a
	SW-50u	0.028	n/a
	SW-50v	0.012	n/a
	SW-51a	0.017	n/a
	SW-51b	0.035	n/a
	SW-51c	0.024	n/a
	SW-51d	0.024	n/a
	SW-52a	0.014	n/a
	SW-53a	0.022	n/a
	SW-54a	0.021	n/a
	SW-54b	0.016	n/a
	SW-55a	0.031	n/a
	SW-59	0.032	n/a
	SW-59a	0.012	n/a
	SW-60	0.023	n/a
	SW-61	0.459	n/a
	SW-62	0.015	n/a
	SW-63	0.010	n/a
	SW-65	0.005	n/a
	SW-66	0.017	n/a
	SW-67	0.009	n/a
	SW-68	0.008	n/a
	SW-69	0.005	n/a
	SW-70	0.035	n/a
	SW-71	0.005	n/a
	SW-72	0.041	n/a

WETLANDS**			
Wetland Type	ID	Acres	Linear Feet
Seasonal Wetland	SW-73	0.007	n/a
	SW-74	0.006	n/a
	SW-75	0.021	n/a
	SW-76	0.012	n/a
	SW-77	0.025	n/a
	SW-78	0.048	n/a
	SW-79	0.021	n/a
	SW-80	0.039	n/a
	SW-81	0.021	n/a
	SW-82	0.045	n/a
	SW-83	0.005	n/a
	SW-84	0.017	n/a
	SW-85	0.041	n/a
	SW-86	0.006	n/a
	SW-87	0.106	n/a
	SW-88	0.013	n/a
	SW-89	0.046	n/a
	SW-90	0.077	n/a
	SW-91	0.019	n/a
	SW-92	0.011	n/a
	SW-93	0.013	n/a
	SW-94	0.002	n/a
	SW-95	0.013	n/a
	SW-96	0.025	n/a
	SW-97	0.009	n/a
	SW-98	0.019	n/a
	SW-99	0.017	n/a
	SW-100	0.022	n/a
	SW-101	0.010	n/a
	SW-102	0.013	n/a
	SW-103	0.018	n/a
	SW-104	0.007	n/a
	SW-105	0.052	n/a
	SW-106	0.010	n/a
	SW-107	0.025	n/a
	SW-108	0.005	n/a
	SW-109	0.020	n/a
	SW-110	0.006	n/a

WETLANDS**			
Wetland Type	ID	Acres	Linear Feet
Seasonal Wetland	SW-111	0.002	n/a
	SW-112	0.009	n/a
	SW-113	0.019	n/a
	SW-114	0.014	n/a
	SW-115	0.043	n/a
	SW-116	0.057	n/a
	SW-117	0.005	n/a
	SW-118	0.033	n/a
SUBTOTAL		4.579	n/a
Seasonal Wetland Swale	SWS-1	0.030	151
	SWS-3	0.085	964
	SWS-4	0.248	1089
	SWS-5	0.585	934
	SWS-7	1.093	1331
	SWS-8	0.022	117
	SWS-9	0.029	318
	SWS-10	0.032	231
SUBTOTAL		2.124	5135
TOTAL		6.703	5135

OTHER WATERS**			
Wetland Type	ID	Acres	Linear Feet
Drainage Ditch	DD-1	0.097	1855
	DD-3	0.006	86
	DD-4	0.031	449
SUBTOTAL		0.134	2390
Ephemeral Drainage	ED-1	0.008	181
	ED-2	0.154	776
SUBTOTAL		0.162	957
Intermittant Drainage	ID-1	0.069	228
SUBTOTAL		0.069	228
Irrigation Canal	IRRCANAL-1	1.176	3248
SUBTOTAL		1.176	3248
Irrigation Ditch	IRRDITCH-1	0.176	1854
	IRRDITCH-4	0.002	28
SUBTOTAL		0.178	1882
Pond	POND-1	4.407	n/a
SUBTOTAL		4.407	n/a
TOTAL		6.126	8705

TOTAL WATERS OF THE U.S.*	12.829	13840

NOTES

- Gross Site Acreage: 145 acres
- Project Boundary and Wetlands Data Sources: Ecorp Consulting, 2006 & Cardno Inc. 2014. Wetland Delineation for Walkup Ranch 145, Prepared for Lake Development –Lincoln, LLC October 23, 2006, as provided by Frayjii Design

**This exhibit depicts information and data produced in strict accord with the U.S. Army Corps of Engineers wetland delineation methods described in the 1987 Corps of Engineers Wetland Delineation Manual and conforms to specifications per the Corps Sacramento District.. However, wetland boundaries have not been legally surveyed and may be subject to minor adjustments if exact locations are required.*

***The acreage value for each feature has been rounded to the nearest 1/1000 decimal.*

Attachment C

Wetland Delineation

WALKUP RANCH
Lincoln, California

Delineation Data Source:
Ecorp Consulting, 2006. Wetland Delineation for Walkup Ranch 145, and Cardno Inc, 2014.

GIS Specialist:
Kevin Gabel, Cardno Inc.

Preparation Date:
24 October 2014

Revision Date:
25 February 2015

Projection: CA State Plane, Zone II
Datum: NAD83

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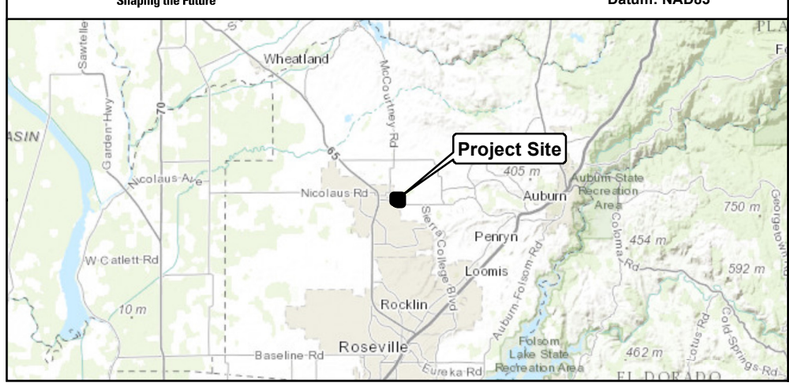
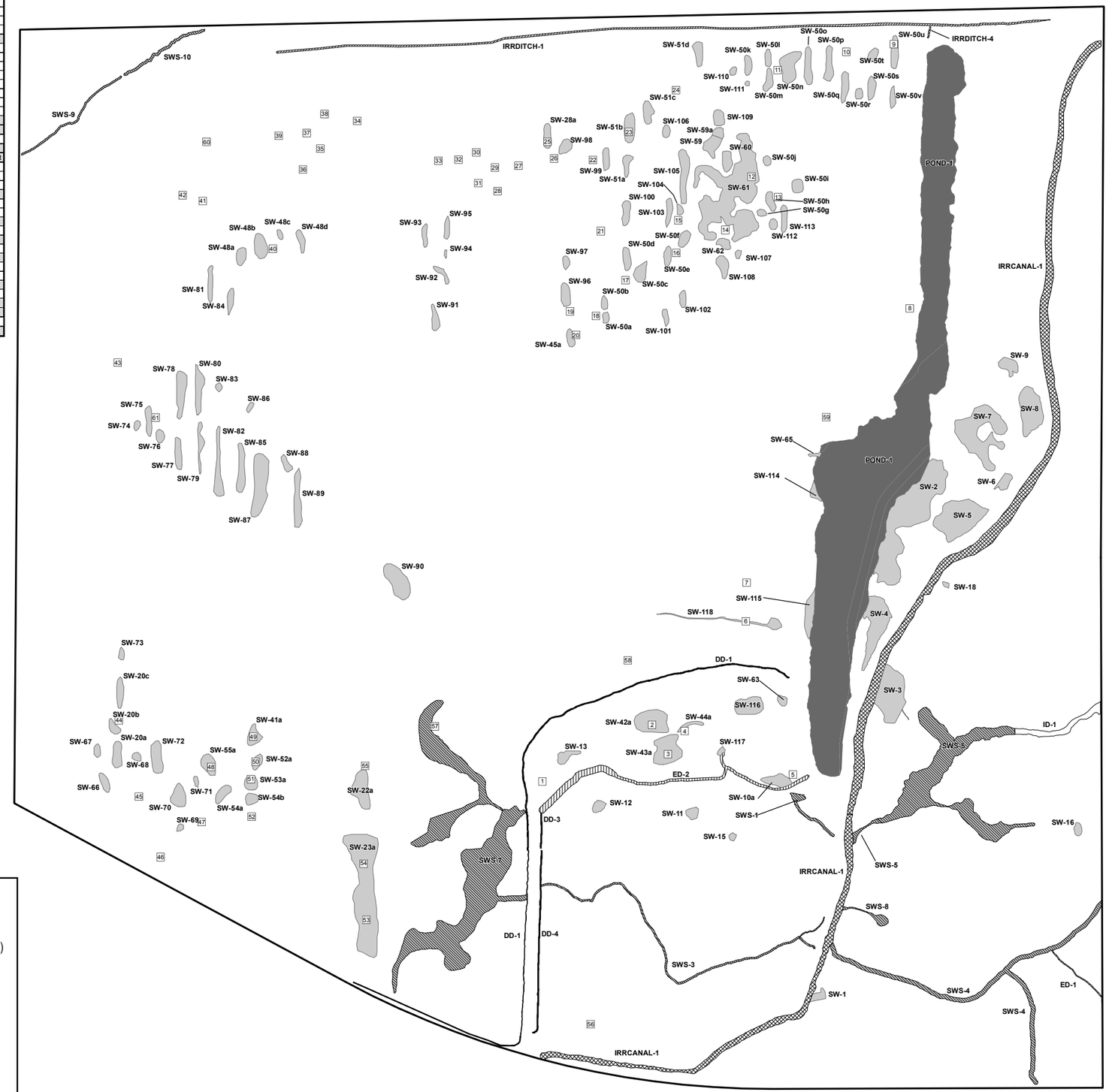


Legend

- Data Point
- Project Area (145.01 ac.)
- Drainage Ditch
- Ephemeral Drainage
- Intermittant Drainage
- Irrigation Canal
- Irrigation Ditch
- Pond
- Seasonal Wetland
- Seasonal Wetland - Swale



IMPACTS TO WETLANDS

Wetlands	Existing Acreage	Permanent Impacts		Avoided Wetlands	
		Symbol	Acreage	Symbol	Acreage
Seasonal Wetland	4.579 ac.		3.305 ac.		1.274 ac.
Seasonal Wetland Swale	2.124 ac.		1.553 ac.		0.571 ac.
Total	**6.703 ac.**		**4.858 ac.**		**1.845 ac.**

IMPACTS TO WATERS OF THE U.S.

Wetlands	Existing Acreage	Permanent Impacts		Temporary Impacts		Avoided Waters	
		Symbol	Acreage	Symbol	Acreage	Symbol	Acreage
Drainage Ditch	0.134 ac.		0.134 ac.	N/A	N/A	N/A	N/A
Ephemeral Drainage	0.162 ac.		0.162 ac.	N/A	N/A	N/A	N/A
Intermittant Drainage	0.069 ac.	N/A	N/A	N/A	N/A		0.069 ac.
Irrigation Canal	1.176 ac.		0.331 ac.	N/A	N/A		0.845 ac.
Irrigation Ditch	0.178 ac.		0.178 ac.	N/A	N/A	N/A	N/A
Pond	4.407 ac.		1.622 ac.		2.643 ac.		0.142 ac.
Total	**6.126 ac.**		**2.427 ac.**		**2.643 ac.**		**1.056 ac.**

Attachment C

Wetlands and Waters of the U.S. Impacts Map

WALKUP RANCH
Lincoln, California

Delineation Data Source:
Ecorp Consulting, 2006. Wetland Delineation for Walkup Ranch 145, and Cardno Inc, 2014.

GIS Specialist:
Kevin Gabel, Cardno Inc.

Preparation Date:
13 August 2013

Revision Date:
25 February 2015

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Projection: CA State Plane, Zone II
Datum: NAD83

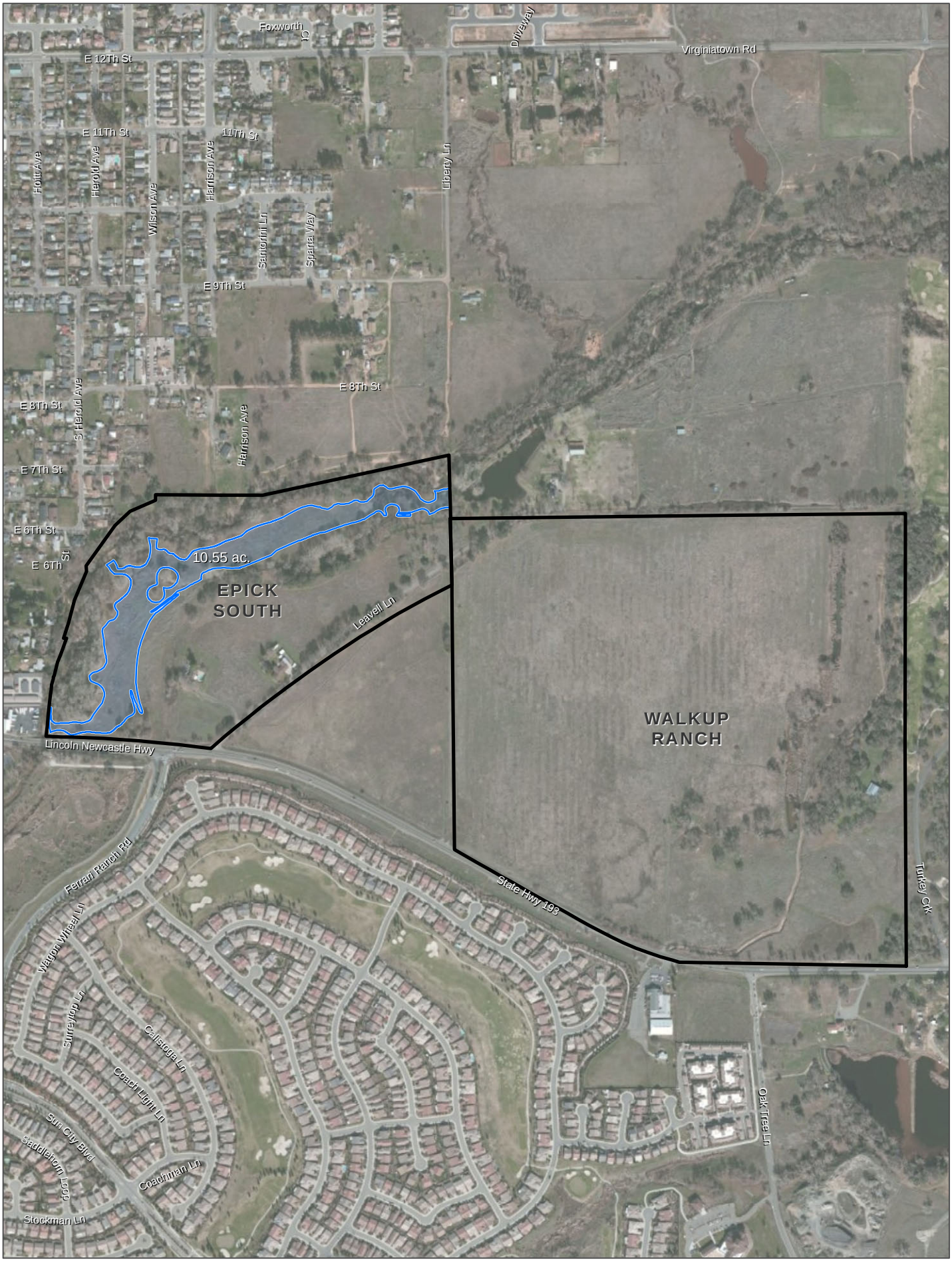
Legend

- Project Area (145.01 ac.)
- Proposed Pond (4.70 ac.)
- Limit of Work
- Wetland Preserve (20.54 ac)
- Easement
- Post and Cable/Barbed Wire Fence
- Wrought Iron Fence
- Approximate location of Water Quality Swale

N W E S

0 100 200 400 Feet

1 inch = 275 feet



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N

0 500 1,000
Scale in Feet

WALKUP RANCH

Figure 4

Conceptual Off-Site Mitigation Plan