

Table K-3
Project Study Area Wetland Details

Table K3
Project Study Area Wetland Details

	Wetland ID ¹	Classification (%) ^{2,3}	Geomorphic Orientation ⁴	Hydrology Source ⁵	Acreage Within Project Study Area ⁶ ac.	PADEP Level 1 RAP Score ⁷
1	W-01	PSS/PEM (72/28)	Floodplain	Stream	13.33	0.45
2	W-02	PEM (100)	Floodplain	Stream	<0.01	0.25
3	W-JHS-01	PEM/PSS/MMP-DH ⁸ /PFO (53/36/6/5)	Floodplain	Stream	13.34	0.22
4	W-JHS-02	PEM (100)	Seep	Groundwater	3.83	0.21
5	W-JHS-03	POW (100)	Floodplain	Stream	0.11	0.65
6	W-JHS-04	PEM (100)	Floodplain	Stream	0.04	0.34
7	W-JHS-05	PEM (100)	Floodplain	Stream	0.06	0.31
8	W-JHS-06	PEM (100)	Floodplain	Stream	0.04	0.31
9	W-JHS-08	PEM (100)	Floodplain	Stream	0.01	0.18
10	W-JHS-09	PEM (100)	Depression	Overland Flow	0.02	0.38
11	W-JHS-10	PEM (100)	Seep	Groundwater	<0.01	0.17
12	W-JHS-11	PEM (100)	Seep	Groundwater	0.03	0.20
13	W-JHS-12	PFO (100)	Seep	Groundwater	0.07	0.69
14	W-JHS-13	PFO (100)	Depression	Overland Flow	0.03	0.80
15	W-SRC-01	PFO (100)	Depression	Groundwater	0.05	0.53
16	W-SRC-02	PEM (100)	Floodplain	Stream	0.07	0.26
17	W-SRC-03	PEM (100)	Floodplain	Stream	0.10	0.28
18	W-SRC-04	PFO (100)	Depression	Overland Flow	0.01	0.65
19	W-SRC-05	PFO (100)	Floodplain	Stream	0.03	0.63
20	W-SRC-06	PFO (100)	Floodplain	Stream	0.09	0.61
21	W-SRC-08	PFO (100)	Floodplain	Stream	0.03	0.80
22	W-SRC-09	PFO (100)	Floodplain	Stream	0.28	0.90
23	W-SRC-10	PFO (100)	Floodplain	Stream	0.12	0.90
24	W-SRC-11	PEM (100)	Seep	Groundwater	0.04	0.34
25	W-SRC-12	PSS (100)	Seep	Groundwater	0.59	0.47
26	W-SRC-13	PSS (100)	Depression	Groundwater	0.11	0.45
27	W-SRC-14	PEM (100)	Seep	Groundwater	0.09	0.28
28	W-SRC-15	PEM (100)	Depression	Groundwater	0.03	0.35
29	W-SRC-16	PSS (100)	Seep	Groundwater	0.02	0.50
30	W-SRC-17	PEM (100)	Seep	Overland Flow	0.12	0.27
31	W-SRC-18	PEM (100)	Seep	Groundwater	<0.01	0.38
32	W-SRC-19	PEM (100)	Seep	Groundwater	0.02	0.39
33	W-SRC-20	PEM (100)	Seep	Groundwater	0.05	0.38
34	W-SRC-21	PEM (100)	Seep	Groundwater	0.10	0.39
35	W-SRC-22	PFO (100)	Depression	Overland Flow	<0.01	0.80
36	W-SRC-23	PFO (100)	Depression	Overland Flow	0.16	0.90
37	W-SRC-24	PEM (100)	Depression	Overland Flow	<0.01	0.45
38	W-SRC-25	PEM/PSS (50/50)	Floodplain	Stream	0.06	0.43
39	W-SRC-26	PEM (100)	Depression	Overland Flow	0.03	0.45
40	W-SRC-27	PEM (100)	Depression	Overland Flow	<0.01	0.45
41	W-SRC-28	PEM/PFO/PSS (50/39/11)	Depression	Overland Flow	1.81	0.44
42	W-SRC-29	PEM/PSS/PFO (58/39/3)	Depression	Overland Flow	0.63	0.42

Table K3
Project Study Area Wetland Details

	Wetland ID ¹	Classification (%) ^{2,3}	Geomorphic Orientation ⁴	Hydrology Source ⁵	Acreage Within Project Study Area ⁶ ac.	PADEP Level 1 RAP Score ⁷
43	W-SRC-30	PEM (100)	Depression	Stream	<0.01	0.55
44	W-SRC-31	PEM (100)	Seep	Groundwater	0.01	0.72
45	W-SRC-32	PFO (100)	Floodplain	Stream	0.04	0.80
46	W-SRC-33	PFO (100)	Floodplain	Stream	0.04	0.60
47	W-SRC-34	PFO (100)	Floodplain	Stream	0.02	0.60
48	W-SRC-35	PFO/PEM (64/36)	Floodplain	Stream	0.14	0.68
49	W-SRC-36	PFO (100)	Floodplain	Stream	0.11	0.80
50	W-SRC-37	PFO (100)	Floodplain	Stream	0.02	0.80
51	W-SRC-38	PFO (100)	Floodplain	Stream	0.06	0.80
52	W-SRC-39	PFO (100)	Floodplain	Stream	<0.01	0.80
53	W-SRC-40	PFO (100)	Floodplain	Stream	0.04	0.75
54	W-SRC-41	PFO (100)	Depression	Overland Flow	<0.01	0.64
55	W-SRC-42	PFO (100)	Floodplain	Stream	<0.01	0.57
56	W-SRC-43	PEM (100)	Floodplain	Stream	0.01	0.34
57	W-SRC-44	PEM (100)	Floodplain	Stream	0.01	0.34
58	W-SRC-45	PEM (100)	Floodplain	Stream	0.02	0.23
59	W-SRC-46	PFO (100)	Floodplain	Stream	0.03	0.72
60	W-SRC-47	PFO (100)	Floodplain	Stream	0.03	0.25
61	W-SRC-48	PFO (100)	Floodplain	Stream	0.02	0.63
62	W-SRC-49	PFO (100)	Floodplain	Stream	<0.01	0.70
63	W-SRC-50	PFO (100)	Floodplain	Stream	<0.01	0.75
64	W-SRC-51	PFO (100)	Floodplain	Stream	<0.01	0.80
65	W-SRC-52	PEM (100)	Depression	Overland Flow	<0.01	0.25
66	W-SRC-53	PFO (100)	Depression	Overland Flow	0.11	0.63
67	W-SRC-54	PEM (100)	Floodplain	Stream	0.01	0.25
68	W-SRC-55	PFO (100)	Floodplain	Stream	<0.01	0.80
69	W-SRC-56	PFO (100)	Floodplain	Stream	<0.01	0.80
70	W-SRC-57	PEM/PFO (67/33)	Depression	Overland Flow	0.21	0.33
71	W-SRC-58	PEM (100)	Depression	Overland Flow	0.16	0.30
72	W-SRC-61	PEM/PSS (52/48)	Seep/Depression	Surface Water/ Groundwater	0.52	0.41
73	W-LRK-01	PEM/PFO/POW/PSS (44/17/3/36)	Depression/Seep	Stream/Groundwater	14.02	0.48
74	W-LRK-02	PEM (100)	Floodplain/Seep	Stream	0.63	0.72
75	W-LRK-03	PEM (100)	Floodplain/Seep	Stream	0.32	0.75
76	W-LRK-04	PEM (100)	Floodplain	Stream	0.11	0.75
77	W-LRK-05	PEM/POW (68/32)	Depression/Seep	Groundwater	0.63	0.26
78	W-LRK-06	PEM (100)	Depression/Seep	Groundwater	<0.01	0.60
79	W-LRK-07	PEM (100)	Depression	Overland Flow	0.01	0.63
80	W-LRK-08	PEM (100)	Depression	Overland Flow	0.03	0.58
81	W-LRK-09	PEM (100)	Floodplain	Stream	0.02	0.78
82	W-LRK-10	PEM (100)	Floodplain	Stream	0.03	0.90
83	W-LRK-11	PEM (100)	Floodplain	Stream	0.04	0.70
84	W-LRK-12	PEM/PSS (58/42)	Depression/Seep	Groundwater/Overland Flow	0.21	0.83

Table K3
Project Study Area Wetland Details

	Wetland ID ¹	Classification (%) ^{2,3}	Geomorphic Orientation ⁴	Hydrology Source ⁵	Acreage Within Project Study Area ⁶ ac.	PADEP Level 1 RAP Score ⁷
85	W-LRK-13	PEM (100)	Depression	Overland Flow	0.02	0.38
86	W-LRK-15	PEM (100)	Depression	Overland Flow	0.12	0.28
87	W-LRK-16	PEM (100)	Floodplain	Stream	0.52	0.70
88	W-LRK-17	PSS (1000)	Floodplain	Stream	0.94	0.57
89	W-LRK-18	PEM (100)	Depression	Overland Flow	0.07	0.29
90	W-LRK-19	PEM (100)	Depression	Overland Flow	0.02	0.29
91	W-LRK-20	PEM (100)	Floodplain	Stream	0.09	0.40
92	W-LRK-21	PEM (100)	Depression	Stream/Overland Flow	0.03	0.44
93	W-LRK-22	PEM (100)	Depression	Stream/Overland Flow	0.02	0.44
94	W-LRK-23	PEM (100)	Depression	Overland Flow	0.01	0.68
95	W-LRK-24	PEM (100)	Depression/Floodplain	Stream/Overland Flow	<0.01	0.34
96	W-LRK-25	PEM (100)	Depression/Seep	Groundwater/Overland Flow	0.04	0.31
97	W-LRK-26	PEM (100)	Depression	Overland Flow	<0.01	0.59
98	W-RUE-01	PFO (100)	Floodplain/Depression	Stream/Overland Flow	4.54	0.95
99	W-RUE-02	PFO (100)	Floodplain/Depression	Stream/Overland Flow	4.86	0.40
100	W-WRZ-01	PFO (100)	Depression/Seep	Groundwater/Overland Flow	8.66	0.77
101	W-WRZ-02	PFO (100)	Floodplain/Depression/Seep	Stream/Groundwater	2.65	0.85
102	W-WRZ-03	PEM (100)	Depression	Surface Water/Overland Flow	0.04	0.66
103	W-WRZ-04	PEM (100)	Depression	Surface Water/Overland Flow	<0.01	0.66
104	W-WRZ-05	PEM (100)	Depression	Surface Water/Overland Flow	<0.01	0.66
105	W-WRZ-06	PEM (100)	Depression	Surface Water/Overland Flow	0.01	0.66
106	W-WRZ-07	PEM (100)	Depression	Surface Water/Overland Flow	0.01	0.66
107	W-WRZ-08	PFO (100)	Depression/Seep	Stream/Groundwater	1.33	0.90
108	W-WRZ-09	PEM (100)	Depression	Overland Flow	0.03	0.86
109	W-WRZ-10	PSS (100)	Depression/Seep	Groundwater	0.11	0.60
110	W-WRZ-11	PEM (100)	Depression/Seep	Groundwater	0.01	0.51
111	W-WRZ-12	PEM (100)	Depression/Seep	Groundwater	0.02	0.42
112	W-WRZ-13	PFO (100)	Depression/Seep	Groundwater	0.24	0.53
TOTAL WETLAND ACREAGE WITHIN PROJECT STUDY AREA					77.81	-

Notes:

1. L.R. Kimball resource identification.
2. Cowardin Wetland Classification: PEM – Palustrine Emergent; PSS – Palustrine Scrub Shrub; PFO – Palustrine Forested; POW – Palustrine Open Water
3. PFO designations for certain resources based upon the USACE Regional Supplement guidance, which does not require tree species to be located within the resource boundaries (i.e., 70 percent canopy cover provided by trees that are immediately outside of the wetland boundary, located within the same soil type are considered as PFO).
4. Wetland geomorphic positions, based upon field observations, consist of the following: Depression; Floodplain; Fringe; or, Seep.
5. Wetland hydrology sources, based upon field observations, consist of the following: Groundwater; Surface water; Overland flow; Direct precipitation; Stream; or, Floodflow.
6. Area is rounded to nearest 0.01-ac., based upon GPS data. Resources comprising < 0.01-ac. are tabulated within the total as 0.01-ac.
7. PADEP PA Wetland Condition Level 1 Rapid Assessment Version 1.0 – draft date May 23, 2012.
8. MMP-DH – Man-Made Pond – Deepwater Habitat..