APPROVED JURISDICTIONAL DETERMINATION FORM U.S. Army Corps of Engineers

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): 15 May 2008

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Sacramento District, Intermountain Regulatory Section, Utah Regulatory Office, North Point Subdivision (Old Brigham City Golf Course), ID# SPK-2007-01915-UO, Wetland C and RPW #3

с.	PROJECT LOCATION AND BACKGROUND INFORMATION: State: Utah County/parish/borough: Box Elder City: Brigham City Center coordinates of site (lat/long in degree decimal format): Lat. 41.53° N, Long. 112.02° W. Universal Transverse Mercator: 12 Name of nearest waterbody: Black Slough Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: Great Salt Lake Name of watershed or Hydrologic Unit Code (HUC): 16010204 Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request. Check if other sites (e.g., offsite mitigation sites, disposal sites, etc) are associated with this action and are recorded on a different JD form.
D.	REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY): ☐ Office (Desk) Determination. Date: December 17, 2007 ☐ Field Determination. Date(s): December 5, 2007
	CTION II: SUMMARY OF FINDINGS
Α.	RHA SECTION 10 DETERMINATION OF JURISDICTION.
	are Are no "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the lew area. [Required] Waters subject to the ebb and flow of the tide. Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce Explain:
В.	CWA SECTION 404 DETERMINATION OF JURISDICTION.
The	ere Are "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area. [Required]
	1. Waters of the U.S. a. Indicate presence of waters of U.S. in review area (check all that apply): TNWs, including territorial seas Wetlands adjacent to TNWs Relatively permanent waters ² (RPWs) that flow directly or indirectly into TNWs Non-RPWs that flow directly or indirectly into TNWs Wetlands directly abutting RPWs that flow directly or indirectly into TNWs Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs Impoundments of jurisdictional waters Isolated (interstate or intrastate) waters, including isolated wetlands
	b. Identify (estimate) size of waters of the U.S. in the review area: Non-wetland waters: 341 linear feet: 6-8 width (ft) and/or acres. Wetlands: 0.10 acres.
	c. Limits (boundaries) of jurisdiction based on: 1987 Delineation Manual Elevation of established OHWM (if known):

2. Non-regulated waters/wetlands (check if applicable):³

Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional. Explain: A recently excavated ditch provides a surface hydrologic connection from wetland C to RPW 3. The ditch was excavated within the past year (2007) and is sparsely vegetated with steep, eroding banks.

SECTION III: CWA ANALYSIS

¹ Boxes checked below shall be supported by completing the appropriate sections in Section III below.

² For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).

³ Supporting documentation is presented in Section III.F.

A. TNWs AND WETLANDS ADJACENT TO TNWs

The agencies will assert jurisdiction over TNWs and wetlands adjacent to TNWs. If the aquatic resource is a TNW, complete Section III.A.1 and Section III.D.1. only; if the aquatic resource is a wetland adjacent to a TNW, complete Sections III.A.1 and 2 and Section III.D.1.; otherwise, see Section III.B below.

2.	Wetland adjacent to TNW
	Summarize rationale supporting determination: .
1.	TNW Identify TNW:

Summarize rationale supporting conclusion that wetland is "adjacent":

B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

This section summarizes information regarding characteristics of the tributary and its adjacent wetlands, if any, and it helps determine whether or not the standards for jurisdiction established under *Rapanos* have been met.

The agencies will assert jurisdiction over non-navigable tributaries of TNWs where the tributaries are "relatively permanent waters" (RPWs), i.e. tributaries that typically flow year-round or have continuous flow at least seasonally (e.g., typically 3 months). A wetland that directly abuts an RPW is also jurisdictional. If the aquatic resource is not a TNW, but has year-round (perennial) flow, skip to Section III.D.2. If the aquatic resource is a wetland directly abutting a tributary with perennial flow, skip to Section III.D.4.

A wetland that is adjacent to but that does not directly abut an RPW requires a significant nexus evaluation. Corps districts and EPA regions will include in the record any available information that documents the existence of a significant nexus between a relatively permanent tributary that is not perennial (and its adjacent wetlands if any) and a traditional navigable water, even though a significant nexus finding is not required as a matter of law.

If the waterbody is not an RPW, or a wetland directly abutting an RPW, a JD will require additional data to determine if the waterbody has a significant nexus with a TNW. If the tributary has adjacent wetlands, the significant nexus evaluation must consider the tributary in combination with all of its adjacent wetlands. This significant nexus evaluation that combines, for analytical purposes, the tributary and all of its adjacent wetlands is used whether the review area identified in the JD request is the tributary, or its adjacent wetlands, or both. If the JD covers a tributary with adjacent wetlands, complete Section III.B.1 for the tributary, Section III.B.2 for any onsite wetlands, and Section III.B.3 for all wetlands adjacent to that tributary, both onsite and offsite. The determination whether a significant nexus exists is determined in Section III.C below.

1. Characteristics of non-TNWs that flow directly or indirectly into TNW

(i) General Area Conditions:

Watershed size:	square miles
Drainage area:	Pick List
Average annual rainfa	ll: inches
Average annual snow	fall: inches
Physical Characteris	tics:
· · · · 	ws directly into TNW.
= -	ws through Pick List tributaries before entering TNW.
Project waters are	e Pick List river miles from TNW.
Project waters are	e Pick List river miles from RPW.
Project waters are	e Pick List aerial (straight) miles from TNW.
Project waters are	e Pick List aerial (straight) miles from RPW.
Project waters cre	oss or serve as state boundaries. Explain: No.
Identify flow rou	te to TNW ⁵ .
Thoutary stream	order, ii kilowii.
(b) General Tributary	y Characteristics (check all that apply):
Tributary is:	☐ Natural
	Average annual rainfa Average annual snown Physical Characteris (a) Relationship with

⁴ Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.

⁵ Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.

☐ Artificial (man-made). Explain: ☐ Manipulated (man-altered). Explain:	
Tributary properties with respect to top of bank (estimate): Average width: feet Average depth: feet Average side slopes: Pick List.	
Primary tributary substrate composition (check all that apply) Silts Sands Cobbles Gravel Bedrock Vegetation. Type/% cover: Other. Explain:	: Concrete Muck
Tributary condition/stability [e.g., highly eroding, sloughing by this highly erosive with minimal vegetation. Presence of run/riffle/pool complexes. Explain: Tributary geometry: Pick List Tributary gradient (approximate average slope): <1%	panks]. Explain: Banks are recently excavated and are
(c) Flow: Tributary provides for: Pick List Estimate average number of flow events in review area/year: Describe flow regime: Water flows into the ditch durin end of the season. Additional flow may result from stormwater and hig Other information on duration and volume:	ng the irrigation season and remains flowing until the
Surface flow is: Pick List. Characteristics.	
Subsurface flow: Pick List . Explain findings:	
changes in the character of soil described by the shelving wegetation matted down, bent, or absent leaf litter disturbed or washed away sediment deposition missing missing described by the sediment deposition described by the shelving sediment deposition described by the shelving described by the shelvi	the presence of litter and debris sestruction of terrestrial vegetation the presence of wrack line sediment sorting tour sour sultiple observed or predicted flow events brupt change in plant community
☐ oil or scum line along shore objects ☐ sur ☐ fine shell or debris deposits (foreshore) ☐ phy	al extent of CWA jurisdiction (check all that apply): High Water Mark indicated by: vey to available datum; vsical markings; getation lines/changes in vegetation types.
 (iii) Chemical Characteristics: Characterize tributary (e.g., water color is clear, discolored, oily fil Explain: Identify specific pollutants, if known: No known pollutants. 	m; water quality; general watershed characteristics, etc.).
(iv) Biological Characteristics. Channel supports (check all that ap Riparian corridor. Characteristics (type, average width): Wetland fringe. Characteristics:	oply):

⁶A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.

⁷Ibid.

			Habitat for: Federally Listed specie Fish/spawn areas. Exp Other environmentally Aquatic/wildlife diverse	lain findings: -sensitive species. Expla	in findings:	
2.	Cha	racto	eristics of wetlands adjace	ent to non-TNW that flo	w directly or indirectly into TNV	v
	(i)			es n: Wet meadow wetland. ain:low to moderate qual		
into	RPW		General Flow Relationship Flow is: Intermittent flow		from the wetlands in the spring thru	ı the newly excavated ditch and
			Surface flow is: Confined Characteristics: Flows			
			Subsurface flow: Unknow Dye (or other) test			
		(c)	Wetland Adjacency Deter ☐ Directly abutting ☐ Not directly abutting ☐ Discrete wetland h		: xplain: Water from Wetland C flov	vs into a newly excavated ditch
			00 feet and connects with a control the Black Slough. The Black Slough are Ecological connections. Separated by bern	lack Slough flows to the Ction. Explain:	s). The RPW flows north and com Great Salt Lake.	nects with another irrigation ditch
		(d)	Proximity (Relationship) to Project wetlands are 2-5 ri Project waters are 1-2 aer Flow is from: Wetland to Estimate approximate local	ver miles from TNW. ial (straight) miles from T navigable waters.	NW. the <mark>50 - 100-year</mark> floodplain.	
	(ii)	Cha	characteristics; etc.). Exp. 2007.	lain: Water is clear since	rown, oil film on surface; water qu soils have stabilized since the exca nts exist, as this is an abonadon go	vation activity occurred in
cove		Biol □ ⊠	logical Characteristics. W Riparian buffer. Characte Vegetation type/percent co	Vetland supports (check ristics (type, average wide over. Explain: This is a let Vegetation cover consistes. Explain findings: lain findings:sensitive species. Expla	all that apply): th): th): t	th approximately 50% vegatation
3.	Cha	All	eristics of all wetlands adj wetland(s) being considered proximately (0.10) acres in	d in the cumulative analys		
		For	each wetland, specify the fe	ollowing:		
			Directly abuts? (Y/N) Wetland C, N	Size (in acres) 0.10	Directly abuts? (Y/N)	Size (in acres)

Summarize overall biological, chemical and physical functions being performed: Wetland C may provide some water quality benefits, such as filtration of pollutants, from stormwater and irrigation runoff as it transitions through the wetland. Runoff from developed areas upstream has the potential to carry pollutants such as fertilizers and pesticides from lawn chemicals, as well as hydrocarbons associated with motor vehicle use. The site is located within several miles of the Bear River Bird Refuge, an important area for wildlife breeding and foraging. Biologically the wetland may provide habitat for invertebrates.

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Draw connections between the features documented and the effects on the TNW, as identified in the *Rapanos* Guidance and discussed in the Instructional Guidebook. Factors to consider include, for example:

- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to carry pollutants or flood waters to TNWs, or to reduce the amount of pollutants or flood waters reaching a TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), provide habitat and lifecycle support functions for fish and other species, such as feeding, nesting, spawning, or rearing young for species that are present in the TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to transfer nutrients and organic carbon that support downstream foodwebs?
- Does the tributary, in combination with its adjacent wetlands (if any), have other relationships to the physical, chemical, or biological integrity of the TNW?

Note: the above list of considerations is not inclusive and other functions observed or known to occur should be documented below:

- 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNWs. Explain findings of presence or absence of significant nexus below, based on the tributary itself, then go to Section III.D:
- 2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNWs. Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:
- 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D: Water was observed flowing into and out of Wetland C from recently excavated ditches. Water from Wetland C flows through the excavated ditch directly into a perennial RPW (RPW 3). RPW 3 flows north, out of the project site, through a series of drainage ditches to the Black Slough. The Black Slough flows into the Bear River, a diret tributary of the Great Salt Lake, which is the closest TNW.

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL THAT APPLY):

1.	TNWs and Adjacent Wetlands. Check all that apply and provide size estimates in review area: TNWs: linear feet width (ft), Or, acres. Wetlands adjacent to TNWs: acres.
2.	RPWs that flow directly or indirectly into TNWs. ☐ Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial: Water flows during the irrigation season, 5-7 months out of the year. Additionally, water may flow outside of this time period due to high groundwater levels and stormwater runoff. ☐ Tributaries of TNW where tributaries have continuous flow "seasonally" (e.g., typically three months each year) are jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows seasonally:

Provide estimates for jurisdictional waters in the review area (check all that apply):

	☐ Tributary waters: 341 linear feet 6-8 width (ft). ☐ Other non-wetland waters: acres. Identify type(s) of waters: .
3.	Non-RPWs ⁸ that flow directly or indirectly into TNWs. Waterbody that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.
	Provide estimates for jurisdictional waters within the review area (check all that apply): Tributary waters: linear feet width (ft). Other non-wetland waters: acres. Identify type(s) of waters: .
4.	Wetlands directly abutting an RPW that flow directly or indirectly into TNWs. Wetlands directly abut RPW and thus are jurisdictional as adjacent wetlands. Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is perennial in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW:
	Wetlands directly abutting an RPW where tributaries typically flow "seasonally." Provide data indicating that tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW:
	Provide acreage estimates for jurisdictional wetlands in the review area: acres.
5.	Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs. Wetlands that do not directly abut an RPW, but when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisidictional. Data supporting this conclusion is provided at Section III.C.
	Provide acreage estimates for jurisdictional wetlands in the review area: 0.10 acres.
6.	Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs. Wetlands adjacent to such waters, and have when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.
	Provide estimates for jurisdictional wetlands in the review area: acres.
7.	Impoundments of jurisdictional waters. As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional. Demonstrate that impoundment was created from "waters of the U.S.," or Demonstrate that water meets the criteria for one of the categories presented above (1-6), or Demonstrate that water is isolated with a nexus to commerce (see E below).
DE SU 	DLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, GRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY CH WATERS (CHECK ALL THAT APPLY): 10 which are or could be used by interstate or foreign travelers for recreational or other purposes. from which fish or shellfish are or could be taken and sold in interstate or foreign commerce. which are or could be used for industrial purposes by industries in interstate commerce. Interstate isolated waters. Explain: Other factors. Explain:
Ide	ntify water body and summarize rationale supporting determination:
	vide estimates for jurisdictional waters in the review area (check all that apply): Tributary waters: linear feet width (ft).

E.

 ⁸See Footnote # 3.
 9 To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.
 10 Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA Memorandum Regarding CWA Act Jurisdiction Following Rapanos.

	ther non-wetland waters: acres. Identify type(s) of waters: . Vetlands: acres.
☐ If W	FJURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY): f potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements. Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce. Prior to the Jan 2001 Supreme Court decision in "SWANCC," the review area would have been regulated based solely on the "Migratory Bird Rule" (MBR). Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction. Explain: Other: (explain, if not covered above): Newly excavated ditch serves as a surface hydrologic connection between wetland C #3, but is not jurisdictional.
factors judgme N L C	de acreage estimates for non-jurisdictional waters in the review area, where the <u>sole</u> potential basis of jurisdiction is the MBR is (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional ment (check all that apply): Non-wetland waters (i.e., rivers, streams): linear feet width (ft). Lakes/ponds: acres. Other non-wetland waters: acres. List type of aquatic resource: Wetlands: acres.
a findi N L C	de acreage estimates for non-jurisdictional waters in the review area that do not meet the "Significant Nexus" standard, where such ing is required for jurisdiction (check all that apply): Non-wetland waters (i.e., rivers, streams): linear feet, width (ft). Lakes/ponds: acres. Other non-wetland waters: acres. List type of aquatic resource: Wetlands: acres.
A. SUPPO and rec M. M. Corpor D. C U U D U V Photob	DRTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked equested, appropriately reference sources below): Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: April 22, 2008 Delineation Map, Frontier oration, USA, Dennis Wenger and Hoda Sondossi. Data sheets prepared/submitted by or on behalf of the applicant/consultant. Office concurs with data sheets/delineation report. Office does not concur with data sheets/delineation report. Data sheets prepared by the Corps: Corps navigable waters' study: J.S. Geological Survey Hydrologic Atlas: USGS NHD data. USGS 8 and 12 digit HUC maps. J.S. Geological Survey map(s). Cite scale & quad name: Brigham City, Utah 7.5-minute USGS Quadrangle revised 1998. JSDA Natural Resources Conservation Service Soil Survey. Citation: Box Elder County, Utah, Eastern Part, 1975. 1959 base. National wetlands inventory map(s): TemA/FIRM maps: (National Geodectic Vertical Datum of 1929) Protographs: Aerial (Name & Date): or Other (Name & Date): or Other (Name & Date): See wetland delineation photos taken by consultant on July 13 and December 7, 2007. Previous determination(s). File no. and date of response letter: Applicable/supporting case law: Applicable/supporting scientific literature: Other information (please specify): November 19, and December 5, 2007 site visits.

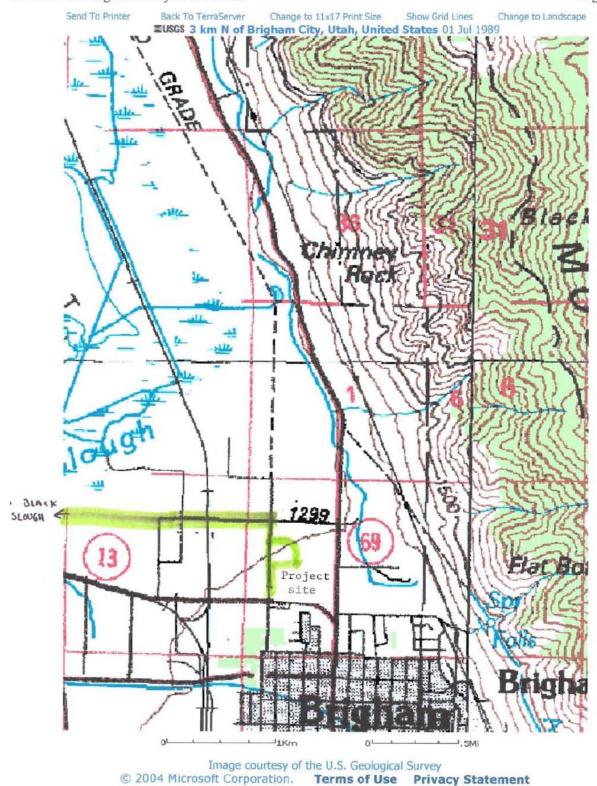
B. ADDITIONAL COMMENTS TO SUPPORT JD: Some of wetland areas on site are sustained artificially from historic irrigation/stormwater conveyance practices. There is also a high groundwater table throughout the project area and the subject site. As described, the project area has been manipulated through placing fill, irrigation and stormwater control practices for many years. This has contributed to making the project area extremely difficult to assess.

In conjunction with the historic irrigation and stormwater conveyance practices, the pipes onsite (which run in all directions and are numerous) have been or are plugged from sediment coming through the pipes causing the water to overflow or backup in various areas and to

come out of some of the "bubble-up" boxes (see photo 19 of amended wetland delineation) throughout the project site (wetlands B & D). Wetland C is in a low lying area where water could have collected and contributed to the sustenance of this wetland. After multiple field visits, reviewing the data sheets, USGS quad, vegetation onsite, and utilizing the summer 2006 high-resolution aerial photo of the area (prior to the applicant manipulating the land) the Corps has determined that the area has been delineated as accurate as possible given the current manipulation and historic land and water management onsite. Wetland C is jurisdiction by way of its connection to RPW 3 via a recently excavated drainage ditch. The ditch itself is not considered jurisdictional. RPW 3 flows north to a drainage ditch that connects to the Black Slough. The Black Slough flows into the Bear River which flows directly into the Great Salt Lake.

Other features onsite are described as follows: RPW 1 flows along the southern and western edge of the property for a total length of 1173.5 feet before being piped to the man-made pond on the site. Water from the pond is piped to an open channel west of 500 West. RPW 1 then connects with RPW 2 northwest of the project site. The RPW then connects with the Black Slough which flows into the Great Salt Lake, the closest TNW to the project site, see attached figure. Wetland area A is a depressional feature that directly abutts RPW 2. Water from Wetland area A flows into RPW 2 and has a direct, observable hydrologic connection. The attached figures show Wetland area A and RPW 2 in relation to the project site and shows their flow pattern. RPW 2 connects with RPW 1 northwest of the project site. The RPW then connects with the Black Slough which flows into the Great Salt Lake, the closes TNW to the project site. RPW 2 accounts for 341.2 linear feet and 0.05 acres of non-wetlands on the site.

Wetland areas B and D appear to be sustained artificially from historic irrigation/stormwater conveyance. The majority of the stormwater from Brigham City comes to these sites and may have contributed to wetlands B & D and their sustenance.



http://terraserver-usa.com/PrintImage.aspx?T=2&S=13&Z=12&X=259&Y=2874&W=3&qs=500... 4/28/2008



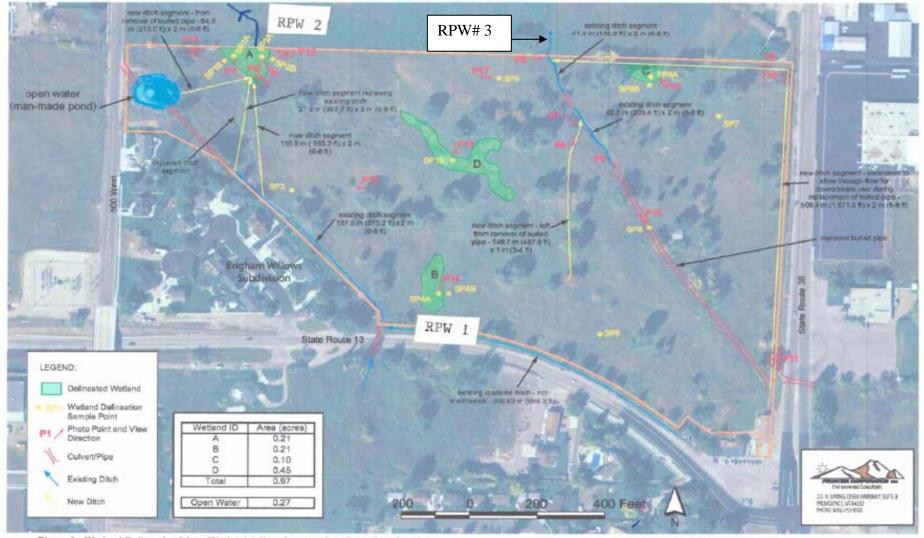


Figure 2. Wetland Delineation Map. Wetland delineation sample points, photo locations, and view directions are shown.

map updated: April 22, 2008 acrise photo; summer 2008

SWM North Point Residential Subdivision Project, Brigham City, Box Elder County, Utah, REVISED April 22, 2008.

RPW 1: 1173.5 linear feet; 0.18 acres (7 ft. width)

RPW 2: 341.2 linear feet; 0.05 acres (7ft. width)



Photo 8. Looking east at area where two ditch lines converge (July 13, 2007).

Photo 8. Looking east across RPW 3.



Photo 16. View of SP08A, facing west (December 7, 2007).

Photo 16. Looking west across Wetland C.