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

<u>SECTION I: BACKGROUND INFORMATION</u>
A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): July 6, 2010.

| | DISTRICT OFFICE, FILE NAME, AND NUMBER: Sacramento District, Tonapah Solar Energy, LLC, Crescent Dunes Solar rgy Project, SPK-2009-01526. |
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| | Name of water being evaluated on this JD form: Channels 1, 2, 3, 4, and 5 |
| c. | PROJECT LOCATION AND BACKGROUND INFORMATION: State: NV County: Nye City: 12 miles northeast of Tonopah Center coordinates of site (lat/long in degree decimal format): Lat: 38.2281 N, Long: -117.3536 W Universal Transverse Mercator: 11. Name of nearest waterbody: Peavine Creek. Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: Name of watershed or Hydrologic Unit Code (HUC): 1606003. 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. List other JDs: |
| D. | REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY): Office (Desk) Determination. Date: July 6, 2010. Field Determination. Date(s): |
| | CTION II: SUMMARY OF FINDINGS RHA SECTION 10 DETERMINATION OF JURISDICTION. |
| revie | re Are no "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the ew 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: CWA SECTION 404 DETERMINATION OF JURISDICTION. |
| The | re Are no "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: linear feet width (ft) and/or acres. Wetlands: acres. |
| | c. Limits (boundaries) of jurisdiction based on: Pick List and Pick List 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: The waters identified at Channels 1, 2, 3, 4, and 5 are intrastate isolated waters, located in the Southern Big Smoky Valley, an internally drained basin with an unnamed terminal playa at its lowest point. Channel flows |

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

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).

Supporting documentation is presented in Section III.F.

Version 2-8-08 Isolated & Non-Waters Only

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terminate and infiltrate within the project area or flow to Peavine Creek which loses definition 15.1 miles south-southwest of the Gravel Pit study area. The last observation of jurisdictional features (scour, bed/bank, ordinary high water mark, etc) on Peavine Creek is 5.7 miles northeast of the basin's unnamed terminal playa.

SECTION III: CWA ANALYSIS

| A. TNWs AND WETLANDS ADJACENT TO TNWs: NOT APPLICABL |
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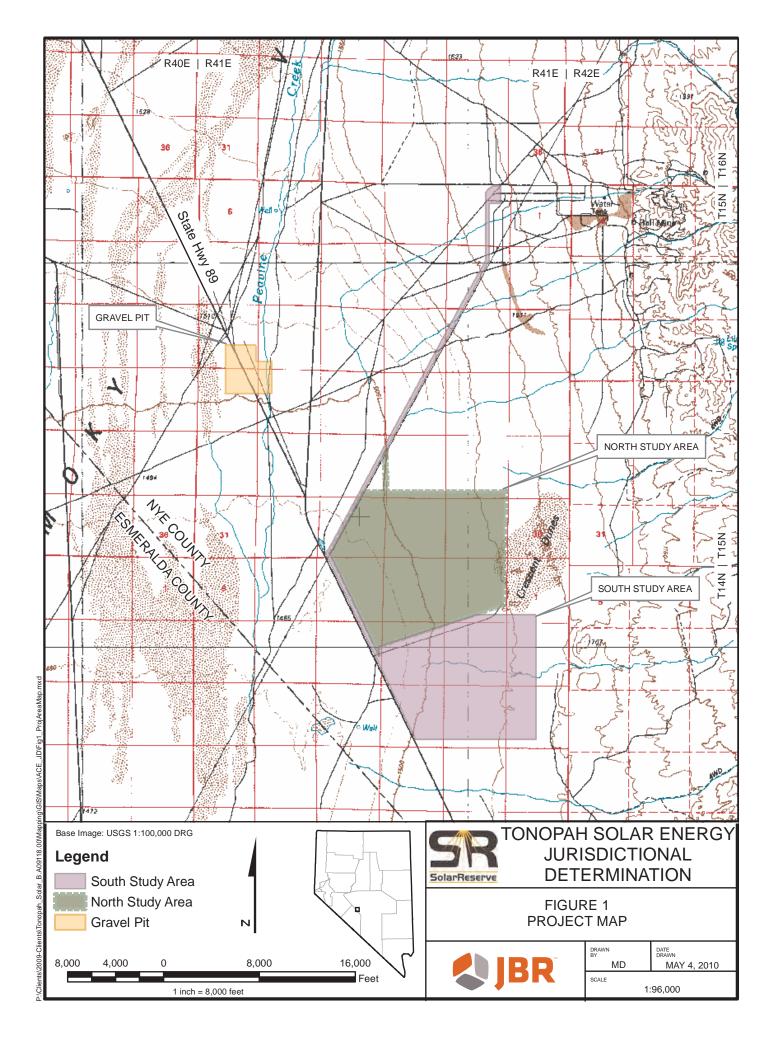
- B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS: NOT APPLICABLE
- C. SIGNIFICANT NEXUS DETERMINATION: NOT APPLICABLE
- ${\bf D.}~$ DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE: NOT APPLICABLE

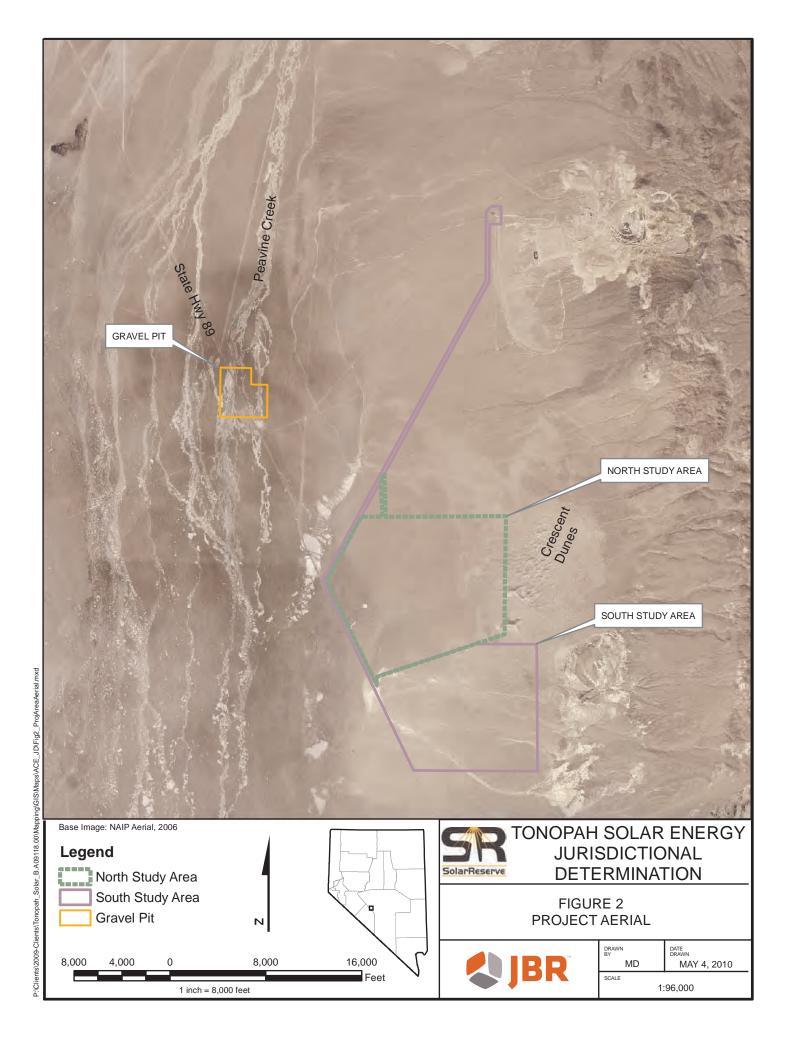
| | THI DICHBEL |
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| E. | ISOLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS (CHECK ALL THAT APPLY): ⁴ which are or could 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: |
| | Identify water body and summarize rationale supporting determination: |
| | Provide estimates for jurisdictional waters in the review area (check all that apply): Tributary waters: linear feet width (ft). Other non-wetland waters: acres. Identify type(s) of waters: Wetlands: acres. |
| F. | NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS: ☐ If 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): |
| | Provide acreage estimates for non-jurisdictional waters in the review area, where the <u>sole</u> potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment (check all that apply): Non-wetland waters (i.e., rivers, streams): <u>16,803</u> linear feet <u>1 to 4</u> width (ft). Lakes/ponds: acres. Other non-wetland waters: acres. List type of aquatic resource: Wetlands: acres. |
| | Provide acreage estimates for non-jurisdictional waters in the review area that do not meet the "Significant Nexus" standard, where such a finding 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. |

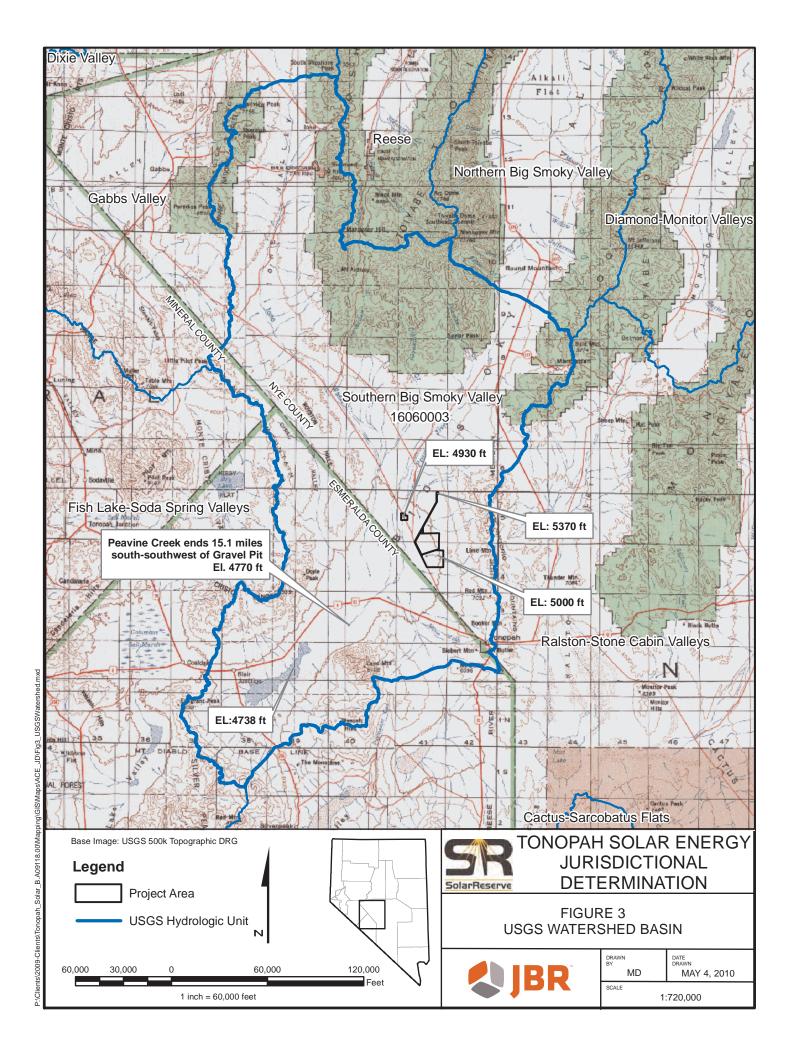
SECTION IV: DATA SOURCES.

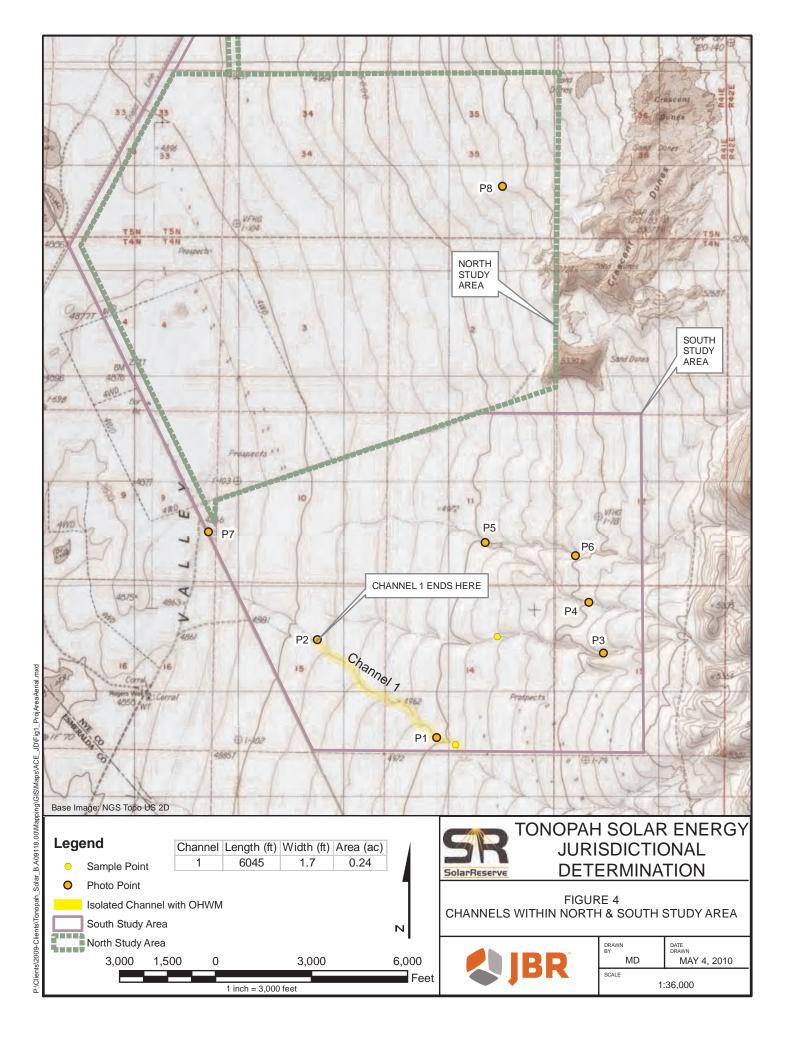
⁴ Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA Memorandum Regarding CWA Act Jurisdiction Following Rapanos.

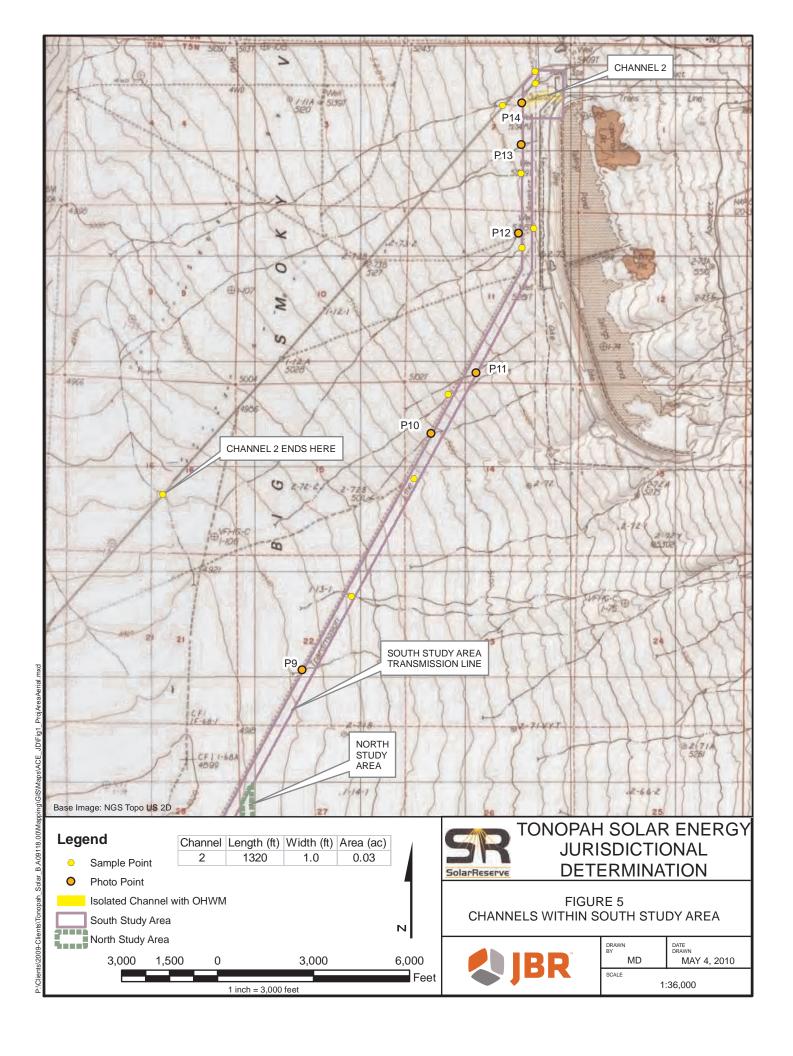
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| and requested, appropriately reference sources below | | | | | |
| Maps, plans, plots or plat submitted by or on bel | | | | | |
| Project, Waters of the U.S. Jurisdictional Determination | ion, prepared for To | onopah Solar E | inergy, LLC, | by JBR Environmental Co | onsultants, |
| Inc., May 18, 2010. | | | | | |
| Data sheets prepared/submitted by or on behalf | | ısultant. | | | |
| Office concurs with data sheets/delineation r | | | | | |
| Office does not concur with data sheets/delin | neation report. | | | | |
| Data sheets prepared by the Corps: | | | | | |
| Corps navigable waters' study: | | | | | |
| U.S. Geological Survey Hydrologic Atlas: | <u>_</u> : | | | | |
| USGS NHD data. | | | | | |
| ☐ USGS 8 and 12 digit HUC maps. | | | | | |
| U.S. Geological Survey map(s). Cite scale & qu | | | | | |
| USDA Natural Resources Conservation Service | | on: | | | |
| National wetlands inventory map(s). Cite name | :· | | | | |
| State/Local wetland inventory map(s): | | | | | |
| FEMA/FIRM maps: | | | | | |
| 100-year Floodplain Elevation is: (Nation | nal Geodectic Verti | cal Datum of 1 | 929) | | |
| Photographs: Aerial (Name & Date): Figure | | | | | <u>ıl</u> |
| Determination, prepared for Tonopah Solar Energy, I | | | | | |
| or Other (Name & Date): Photo P | | | | | |
| Jurisdictional Determination, prepared for Tonopah S | | | onmental Cor | sultants, Inc., May 18, 20 | <u>10</u> . |
| Previous determination(s). File no. and date of i | response letter: | <u></u> : | | | |
| Applicable/supporting case law: | | | | | |
| Applicable/supporting scientific literature: | <u>_</u> . | | | | |
| Other information (please specify): | | | | | |
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| B. ADDITIONAL COMMENTS TO SUPPORT JD: C | <u> On May 18, 2010, a</u> | delineation wa | as prepared fo | or the project area. A site | visit was |
| not conducted to verify the delineation. | | | | | |
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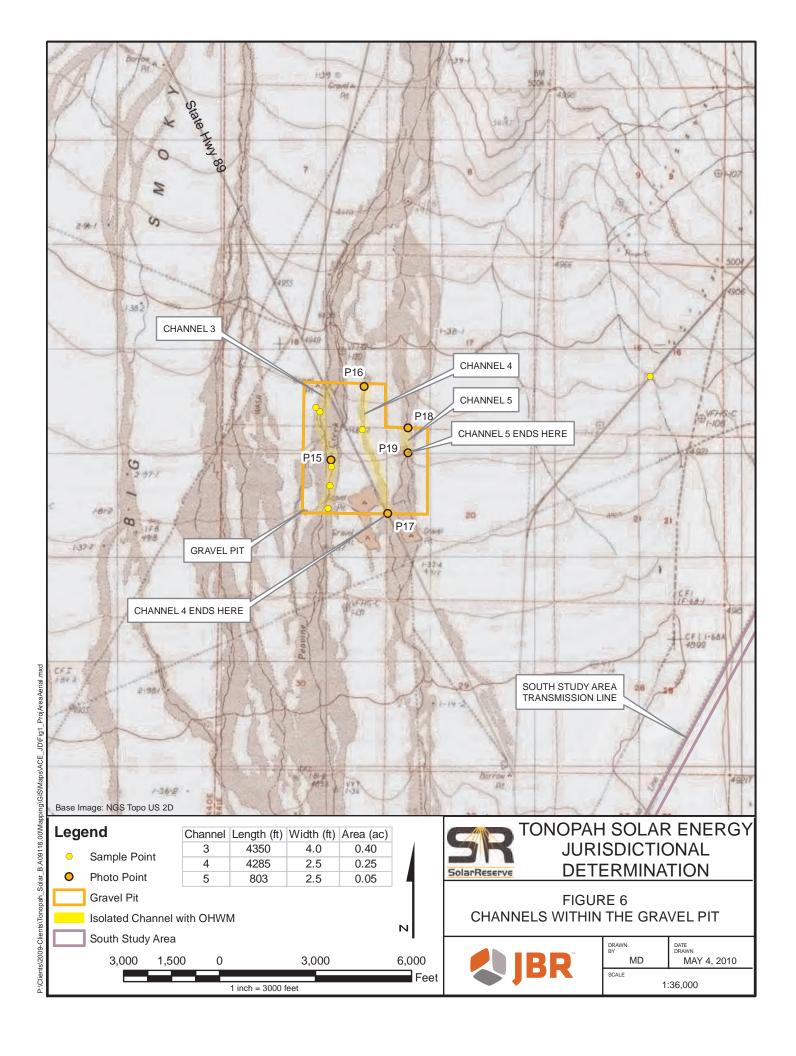




Photo Point 1 Channel 1 at South Study Area, downstream view



Photo Point 2 Channel 1 at South Study Area, downstream view



Photo Point 3 Channel feature with no OHWM, downstream view



Photo Point 4 Channel feature with no OHWM, upstream view



Photo Point 5 Channel feature (left of the two-track road) with no OHWM, downstream view. Approximately 3,500 feet downstream of Photo Point 4



Photo Point 6 Channel feature, right of two track road, with no OHWM, upstream view



Photo Point 7 Culverts across Highway 89, downstream view, no drainages or channels lead to the culverts



Photo Point 8 Channel feature with no OHWM, downstream view



Photo Point 9 Channel feature with no OHWM, upstream view



Photo Point 10 Channel feature with no OHWM, downstream view



Photo Point 11 Channel feature with no OHWM, downstream view



Photo Point 12 Channel feature with no OHWM, upstream view



Photo Point 13 Channel feature with no OHWM, upstream view



Photo Point 14 Channel 2 at South Study Area transmission line corridor, upstream view



Photo Point 15 Channel 3 at Gravel Pit Area, upstream view



Photo Point 16 Channel 4 at Gravel Pit Area, downstream view



Photo Point 17 Terminus of Channel 4 at Gravel Pit Area, downstream view



Photo Point 18 Channel 5 at Gravel Pit Area, downstream view



Photo Point 19 Terminus of Channel 5 at Gravel Pit Area, downstream view