

LEGISLATIVE SUMMARY SHEET

Tracking No. 0085-19

DATE: April 5, 2019

TITLE OF RESOLUTION: PROPOSED STANDING COMMITTEE RESOLUTION; AN ACTION RELATING TO RESOURCES AND DEVELOPMENT; APPROVING A RIGHT-OF-WAY AND TEMPORARY CONSTRUCTION EASEMENT TO U.S. BUREAU OF RECLAMATION TO CONSTRUCT, OPERATE AND MAINTAIN REACHES 4C – 8 NAVAJO GALLUP WATER SUPPLY PROJECT LOCATED ON TRIBAL TRUST LANDS IN SANOSTEE, TWO GREY HILLS, NEWCOMB, SHEEP SPRINGS AND NASCHITTI CHAPTERS, SAN JUAN COUNTY, NEW MEXICO

PURPOSE: Approving a right-of-way application and temporary construction easement to construct, operate and maintain Reaches 4C-8 Navajo Gallup Water Supply Project located on, over and across Navajo Nation Trust Lands in Sanostee, Two Grey Hills, Newcomb, Sheep Springs And Naschitti Chapters, San Juan County, New Mexico.

This written summary does not address recommended amendments as may be provided by the standing committees. The Office of Legislative Counsel requests each Council Delegate to review each proposed resolution in detail.

PROPOSED STANDING COMMITTEE RESOLUTION
24th NAVAJO NATION COUNCIL -- First Year, 2019

INTRODUCED BY


(Prime Sponsor)

TRACKING NO. 0085-19

AN ACTION

RELATING TO RESOURCES AND DEVELOPMENT; APPROVING A RIGHT-OF-
WAY AND TEMPORARY CONSTRUCTION EASEMENT TO U.S. BUREAU OF
RECLAMATION TO CONSTRUCT, OPERATE AND MAINTAIN REACHES 4C – 8
NAVAJO GALLUP WATER SUPPLY PROJECT LOCATED ON TRIBAL TRUST
LANDS IN SANOSTEE, TWO GREY HILLS, NEWCOMB, SHEEP SPRINGS AND
NASCHITTI CHAPTERS, SAN JUAN COUNTY, NEW MEXICO

BE IT ENACTED:

Section One. Authority

Pursuant to 2 N.N.C. Section §501 (B)(2), the Resources and Development Committee of the Navajo Nation Council has the authority to give final approval of all land withdrawals, non-mineral leases, permits, licenses, rights-of-way, surface easements and bonding requirements on Navajo Nation land and unrestricted (fee) land. This authority shall include subleases, modifications, assignments, leasehold encumbrances, transfers, renewals, and terminations.

Section Two. Findings

A. The United States Bureau of Reclamation, 1235 La Plata Highway, Farmington, New Mexico 87401 has submitted a right-of-way application and a temporary

1 construction easement application to construct, operate and maintain Reaches 4C-
2 8 Navajo Gallup Water Supply Project located on, over and across Navajo Nation
3 Trust Lands in Sanostee, Two Grey Hills, Newcomb, Sheep Springs And
4 Naschitti Chapters, San Juan County, New Mexico. The applications are attached
5 and incorporated as **Exhibit D-1 and Exhibit D-2.**

6 B. "The Omnibus Public Land Management Act of 2009, Title X, Part III (Public
7 Law 111-11) (Act) authorizes the Bureau of Reclamation to construct the Navajo-
8 Gallup Water Supply Project (NGWSP) that includes water treatment plants,
9 pipeline, several pumping stations and ancillary facilities. Once completed, the
10 NGWSP will deliver a reliable source of potable water, sourced from the San Juan
11 River, to Navajo communities in northwestern New Mexico, the City of Gallup,
12 NM, and the southwest portion of the Jicarilla Apache Reservation for municipal
13 and industrial use. The NGWSP will connect to existing and future water
14 distribution systems operated on the reservation by the Navajo Tribal Utility
15 Authority (NTUA), and in Gallup, by the City of Gallup. The high quality,
16 treated water provided by the NGWSP will bring immediate benefits, including
17 improved health and well-being to tribal members." Applications, **Exhibit D-1**
18 **and D-2.**

19 C. The proposed permanent right-of-way and temporary construction easement
20 consists of Navajo Nation Trust Lands located in San Juan County, New Mexico
21 and the location is more particularly described on the survey maps attached and
22 incorporated as **Exhibit B.**

23 D. It has been determined that there are nineteen (19) valid permit holders; the
24 Consent Forms and the Navajo Nation Department of Justice memorandum dated
25 April 5, 2019 are attached as **Exhibit C.**

26 E. The Bureau of Reclamation requests a waiver of valuation and waiver of
27 compensation for the right-of-way and temporary construction easement. See, 25
28 CFR § 169.110 (a) (1) (2). The Bureau of Reclamation requests all customary
29 fees be waived as allowed by the Omnibus Public Land Management Act of 2009,
30 Title X, Part III (Public Law 111-11).

1 F. The Bureau of Reclamation requests a waiver of bond, insurance, or alternative
2 form of security. See, 25 CFR § 169.103 (f) (2).

3 G. The Phase I Environmental Site Assessment for Reaches 4C to 8 of the Navajo-
4 Gallup Water Supply Project in San Juan County, New Mexico is attached as
5 **Exhibit E**.

6 H. The applications for the Rights-of-Way and Temporary Construction Easement as
7 submitted by the United States Bureau of Reclamation have been reviewed by the
8 Navajo Nation Environmental Protection Agency, Department of Water
9 Resources, Fish and Wildlife Department, Historic Preservation Department,
10 Minerals Department, Division of Natural Resources and the Department of
11 Justice and "Approved" or found 'Sufficient.' See **Exhibit F**.

12 13 **Section Three. Approval**

14 A. The Resources and Development Committee of the Navajo Nation Council hereby
15 grants approval of a Right-of-Way and Temporary Construction Easement to U.S.
16 Bureau of Reclamation to construct, operate and maintain Reaches 4C-8 Navajo
17 Gallup Water Supply Project located on, over and across Navajo Nation Trust Lands
18 in Sanostee, Two Grey Hills, Newcomb, Sheep Springs And Naschitti Chapters, San
19 Juan County, New Mexico. The location is more particularly described on the map
20 attached hereto as **Exhibit B**.

21 B. The Resources and Development Committee of the Navajo Nation Council hereby
22 approves the Right-of-Way subject to, but not limited to, the terms and conditions
23 incorporated herein as **Exhibit A-1**.

24 C. The Resources and Development Committee of the Navajo Nation Council hereby
25 approves the Temporary Construction Easement subject to, but not limited to, the terms
26 and conditions incorporated herein as **Exhibit A-2**.

27 D. The Resources and Development Committee of the Navajo Nation Council hereby
28 waives valuation and waives compensation for the Right-of-Way and Temporary
29 Construction Easement because it has determined that accepting the agreed-upon
30 compensation and waiving valuation is in its best interest of the Navajo Nation, pursuant
to Title 25 CFR § 169.110.

- 1 E. The Resources and Development Committee of the Navajo Nation Council hereby
2 waives the requirement for a bond, insurance or alternative form of security on the part of
3 the Grantee, based on the determination that the Reaches 4C-8 Navajo Gallup Water
4 Supply Project benefits the Navajo Nation and such a waiver is in the best interest of the
5 Navajo Nation, pursuant to Title 25 CFR § 169.103 (f) (2).
- 6 F. The Resources and Development Committee of the Navajo Nation Council hereby
7 grants the Right-of-Way and Temporary Construction Easement as long as the
8 Grantee Bureau of Reclamation or its successors or assigns use the right-of-way and
9 temporary construction easement for the construction, operation and maintenance of
10 the Navajo Gallup Water Supply Project.
- 11 G. The Resources and Development Committee of the Navajo Nation Council hereby
12 authorizes the President of the Navajo Nation to execute any and all documents
13 necessary to affect the intent and purpose of this resolution.
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TRUST LAND FORM

EXHIBIT "E"

REVISED

NAVAJO NATION RIGHT-OF-WAY TERMS AND CONDITIONS:
BUREAU OF RELAMATION (GRANTEE)
Navajo Gallup Water Supply Project

1. The term of the right-of-way shall begin on the date it is granted by the Secretary of the Interior (Secretary) and shall continue as long as the Grantee Bureau of Reclamation (BOR) or its successors, or assigns uses the right-of-way for the construction, operation and maintenance of the Navajo Gallup Water Supply Project (Project).
2. Consideration for the use of land is assessed at \$88,424,850.34 which shall be the Navajo Nation's contributions to the project because the Project will provide a public benefit to the Navajo Nation.

The Grantee must obtain the approval of the Navajo Nation if any portion of the right-of-way is used for any other purpose than authorized by the approval of this right-of-way.

3. The Grantee may develop, use and occupy the right-of-way for the purpose(s) of constructing, operating and maintaining the Navajo Gallup Water Supply Project. The Grantee may not develop, use or occupy the right-of-way for any other purpose without the prior written approval of the Navajo Nation and the Secretary of the Interior. The approval of the Navajo Nation may be granted, granted upon conditions or withheld in the sole discretion of the Navajo Nation. The Grantee may not develop, use or occupy the right-of-way for any unlawful purpose.
4. In all activities conducted by the Grantee within the Navajo Nation, the Grantee shall abide by all applicable laws and regulations of the Navajo Nation and of the United States, now in force and effect or as hereafter may come into force and effect, including but not limited to the following:
 - a. Title 25, Code of Federal Regulations, Part 169;
 - b. All applicable federal and Navajo Nation antiquities laws and regulations, including compliance with the Programmatic Agreement for the Consideration and Management of Effects on Historic Properties Arising from Construction of the Navajo Gallup Water Supply Project pursuant to section 106 of the National Historic Preservation Act and the Advisory Council on Historic Preservation's regulation, last date of execution by all signatories being November 21, 2011, and any amendments thereto.
 - c. BOR shall give employment preference to qualifying Navajos and other Indians in accordance with applicable Navajo and federal law. BOR shall utilize Navajo contractors and Navajo businesses (to purchase goods and materials) in accordance with applicable law.
 - d. The Navajo Nation Water Code, 22 N.N.C. § 1101 et seq., to the extent that it is applicable. Grantee shall apply for and submit all applicable permits and information to the Navajo Nation Water Resources Department, or its successor.

5. The Grantee shall ensure that the air quality of the Navajo Nation is not jeopardized due to violation of applicable laws and regulations by its operations pursuant to the right-of-way.
6. The Grantee shall clear and keep clear the lands within the right-of-way to the extent compatible with the purpose of the right-of-way, and shall dispose of all vegetation and other materials cut, uprooted, or otherwise accumulated during any surface disturbance activities.
7. The Grantee shall reclaim all surface lands disturbed related to the right-of-way, as outlined in a restoration and re-vegetation plan, which shall be approved by the Navajo Nation Environmental Protection Agency (NNEPA) prior to any surface disturbance. The Grantee shall comply with all provisions of such restoration and re-vegetation plan and shall notify the Director of the NNEPA immediately upon completion of the surface disturbance activities so that a site inspection can be made.
8. The Grantee shall at all times during the term of the right-of-way and at the Grantee's sole cost and expense, maintain the land subject to the right-of-way and all improvements located thereon and make all necessary and reasonable repairs.
9. The Grantee shall obtain prior written permission to cross existing rights-of-way, if any, from the appropriate parties.
10. The Grantee shall be responsible for and promptly pay all damages when they are sustained provided that nothing herein shall be deemed to increase the liability of the United States beyond the provisions of the Federal Tort Claims Act, Act of June 25, 1948, 62 Stat. 982 (28 U.S.C. § 1346(b), 2671 et seq.) or other applicable law.
11. The Grantee shall not assign, convey or transfer, in any manner whatsoever, the right-of-way or any interest therein, or in or to any of the improvements on the land subject to the right-of-way, without the prior written consent of the Navajo Nation and the Secretary of the Interior. Any such attempted assignment, conveyance or transfer without such prior written consent shall be void and of no effect. The consent of the Navajo Nation may be granted, granted upon conditions or withheld in the sole discretion of the Navajo Nation. Congress has authorized BOR to transfer Project title under P.L. 111-11 10602 (f). It is anticipated that after Project title is transferred to the Navajo Nation, the Navajo Tribal Utility Authority will operate and maintain the Project. Therefore, the Grantee may assign and transfer the right-of-way to the Navajo Tribal Utility Authority as authorized by federal law without further approval of the Navajo Nation or the Secretary.
12. At the relinquishment of this right-of-way, the Grantee, other than the United States shall peaceably and without legal process deliver up the possession of the premises, in good condition, usual wear and tear excepted. Upon the written request of the Navajo Nation, the Grantee shall provide the Navajo Nation, at the Grantee's sole cost and expense, with an environmental site assessment of the premises at least sixty (60) days prior to delivery of the said premises. This provision 12 shall not apply to the United States as Grantee.
13. Holding over by the Grantee after the relinquishment of the right-of-way shall not constitute a renewal or extension thereof or give the Grantee any rights hereunder or in or to the land subject to the right-of-way or to any improvements located thereon. This provision 13 shall not apply to the United States as Grantee.

14. The Navajo Nation shall have the right, at any reasonable time during the term of the right-of-way, to enter upon the premises, or any part thereof, to inspect the same and any improvements located thereon.
15. By acceptance of the grant of right-of-way, the Grantee covenants and agrees never to contest or challenge the legislative, executive or judicial jurisdiction of the Navajo Nation on the basis that such jurisdiction is inconsistent with the status of the Navajo Nation as an Indian Nation, or that the Navajo Nation government is not a government of general jurisdiction, or that the Navajo Nation government does not possess full police power (i.e., the power to legislate and regulate for the general health and welfare of the Navajo people) over all lands, persons and activities within its territorial boundaries, or on any other basis not generally applicable to a similar challenge to the jurisdiction of a state government.
16. Any action or claim brought against the Navajo Nation arising out of the injury to person or property (tort) may be heard in the Courts of the Navajo Nation in accordance with applicable Navajo and federal law. No action or claim shall be brought against the Navajo Nation in any state court.
17. Nothing contained herein shall be interpreted as constituting a waiver, express or implied, of the sovereign immunity of the Navajo Nation.
18. The laws of the Navajo Nation shall govern the construction, performance and enforcement of the terms and conditions contained herein.
19. The terms and conditions contained herein shall extend to and be binding upon the successors, heirs, assigns, executors, administrators, employees and agents, including all contractors and subcontractors, of the Grantee, and the term "Grantee," whenever used herein, shall be deemed to include all such successors, heirs, assigns, executors, administrators, employees and agents.
20. There is expressly reserved to the Navajo Nation full territorial legislative, executive and judicial jurisdiction over the right-of-way and all lands burdened by the right-of-way, including without limitation over all persons, including the public, and all activities conducted or otherwise occurring within the right-of-way; and the right-of-way and all lands burdened by the right-of-way shall remain Navajo Indian Country for purposes of Navajo Nation jurisdiction.

BNB, May 6, 2012



TRUST LAND FORM

EXHIBIT "E"

REVISED

**NAVAJO NATION TEMPORARY CONSTRUCTION EASEMENT TERMS AND
CONDITIONS:**

**BUREAU OF RELAMATION (GRANTEE)
Navajo Gallup Water Supply Project**

1. The term of the temporary construction easement shall begin on the date it is granted by the Navajo Nation and shall continue as long as the Grantee Bureau of Reclamation (BOR) or its successors, or assigns uses the temporary construction easement for the construction, operation and maintenance of the Navajo Gallup Water Supply Project (Project).
2. Consideration for the use of land is assessed at \$ 145,816.04 which shall be the Navajo Nation's contributions to the project because the Project will provide a public benefit to the Navajo Nation.

The Grantee must obtain the approval of the Navajo Nation if any portion of the temporary construction easement is used for any other purpose than authorized by the approval of this right-of-way.

3. The Grantee may develop, use and occupy the temporary construction easement for the purpose(s) of constructing, operating and maintaining the Navajo Gallup Water Supply Project. The Grantee may not develop, use or occupy the temporary construction easement for any other purpose without the prior written approval of the Navajo Nation. The approval of the Navajo Nation may be granted, granted upon conditions or withheld in the sole discretion of the Navajo Nation. The Grantee may not develop, use or occupy the temporary construction easement for any unlawful purpose.
4. In all activities conducted by the Grantee within the Navajo Nation, the Grantee shall abide by all applicable laws and regulations of the Navajo Nation and of the United States, now in force and effect or as hereafter may come into force and effect, including but not limited to the following:
 - a. All applicable federal and Navajo Nation antiquities laws and regulations, including compliance with the Programmatic Agreement for the Consideration and Management of Effects on Historic Properties Arising from Construction of the Navajo Gallup Water Supply Project pursuant to section 106 of the National Historic Preservation Act and the Advisory Council on Historic Preservation's regulation, last date of execution by all signatories being November 21, 2011, and any amendments thereto.
 - b. BOR shall give employment preference to qualifying Navajos and other Indians in accordance with applicable Navajo and federal law. BOR shall utilize Navajo contractors and Navajo businesses (to purchase goods and materials) in accordance with applicable law.

- c. The Navajo Nation Water Code, 22 N.N.C. § 1101 et seq. to the extent that it is applicable. Grantee shall apply for and submit all applicable permits and information to the Navajo Nation Water Resources Department, or its successor.
5. The Grantee shall ensure that the air quality of the Navajo Nation is not jeopardized due to violation of applicable laws and regulations by its operations pursuant to the right-of-way.
 6. The Grantee shall clear and keep clear the lands within the temporary construction easement to the extent compatible with the purpose of the temporary construction easement, and shall dispose of all vegetation and other materials cut, uprooted, or otherwise accumulated during any surface disturbance activities.
 7. The Grantee shall reclaim all surface lands disturbed related to the temporary construction easement, as outlined in a restoration and re-vegetation plan, which shall be approved by the Navajo Nation Environmental Protection Agency (NNEPA) prior to any surface disturbance. The Grantee shall comply with all provisions of such restoration and re-vegetation plan and shall notify the Director of the NNEPA immediately upon completion of the surface disturbance activities so that a site inspection can be made.
 8. The Grantee shall at all times during the term of the temporary construction easement and at the Grantee's sole cost and expense, maintain the land subject to the temporary construction easement and all improvements located thereon and make all necessary and reasonable repairs.
 9. The Grantee shall obtain prior written permission to cross existing rights-of-way, if any, from the appropriate parties.
 10. The Grantee shall be responsible for and promptly pay all damages when they are sustained provided that nothing herein shall be deemed to increase the liability of the United States beyond the provisions of the Federal Tort Claims Act, Act of June 25, 1948, 62 Stat. 982 (28 U.S.C. § 1346(b), 2671 et seq.) or other applicable law.
 11. The Grantee shall not assign, convey or transfer, in any manner whatsoever, the temporary construction easement or any interest therein, or in or to any of the improvements on the land subject to the right-of-way, without the prior written consent of the Navajo Nation. Any such attempted assignment, conveyance or transfer without such prior written consent shall be void and of no effect. The consent of the Navajo Nation may be granted, granted upon conditions or withheld in the sole discretion of the Navajo Nation. Congress has authorized BOR to transfer Project title under P.L. 111-11 10602 (f). It is anticipated that after Project title is transferred to the Navajo Nation, the Navajo Tribal Utility Authority will operate and maintain the Project. Therefore, the Grantee may assign and transfer the temporary construction easement to the Navajo Tribal Utility Authority as authorized by federal law without further approval of the Navajo Nation.
 12. At the relinquishment of this temporary construction easement, the Grantee, other than the United States shall peaceably and without legal process deliver up the possession of the premises, in good condition, usual wear and tear excepted. Upon the written request of the Navajo Nation, the Grantee shall provide the Navajo Nation, at the Grantee's sole cost and expense, with an environmental site assessment of the premises at least sixty (60) days prior to delivery of the said premises. This provision 12 shall not apply to the United States as Grantee.

13. Holding over by the Grantee after the relinquishment of the temporary construction easement shall not constitute a renewal or extension thereof or give the Grantee any rights hereunder or in or to the land subject to the temporary construction easement or to any improvements located thereon. This provision 13 shall not apply to the United States as Grantee.
14. The Navajo Nation shall have the right, at any reasonable time during the term of the temporary construction easement, to enter upon the premises, or any part thereof, to inspect the same and any improvements located thereon.
15. By acceptance of the grant of temporary construction easement, the Grantee covenants and agrees never to contest or challenge the legislative, executive or judicial jurisdiction of the Navajo Nation on the basis that such jurisdiction is inconsistent with the status of the Navajo Nation as an Indian Nation, or that the Navajo Nation government is not a government of general jurisdiction, or that the Navajo Nation government does not possess full police power (i.e., the power to legislate and regulate for the general health and welfare of the Navajo people) over all lands, persons and activities within its territorial boundaries, or on any other basis not generally applicable to a similar challenge to the jurisdiction of a state government.
16. Any action or claim brought against the Navajo Nation arising out of the injury to person or property (tort) may be heard in the Courts of the Navajo Nation in accordance with applicable Navajo and federal law. No action or claim shall be brought against the Navajo Nation in any state court.
17. Nothing contained herein shall be interpreted as constituting a waiver, express or implied, of the sovereign immunity of the Navajo Nation.
18. The laws of the Navajo Nation shall govern the construction, performance and enforcement of the terms and conditions contained herein.
19. The terms and conditions contained herein shall extend to and be binding upon the successors, heirs, assigns, executors, administrators, employees and agents, including all contractors and subcontractors, of the Grantee, and the term "Grantee," whenever used herein, shall be deemed to include all such successors, heirs, assigns, executors, administrators, employees and agents.
20. There is expressly reserved to the Navajo Nation full territorial legislative, executive and judicial jurisdiction over the temporary construction easement and all lands burdened by the temporary construction easement, including without limitation over all persons, including the public, and all activities conducted or otherwise occurring within the temporary construction easement; and the temporary construction easement and all lands burdened by the temporary construction easement shall remain Navajo Indian Country for purposes of Navajo Nation jurisdiction.



United States Department of the Interior

BUREAU OF RECLAMATION
Upper Colorado Region
Four Corners Construction Office
1235 La Plata Highway
Farmington, NM 87401

IN REPLY REFER TO

FCCO-202
LND-3.00

JUL 2 2018

HAND DELIVERY



Mr. Howard P. Draper
Program and Projects Specialist
Navajo Land Department
Project Review Section
Navajo Nation Division of Natural Resources
P.O. Box 2249
Window Rock, AZ 86515

Subject: Applications for Consent to a Grant of Right-of-Way (ROW) and Temporary Construction Easement (TCE) - Tribal Trust Land - Reaches 4C through 8 - San Juan Lateral - Navajo-Gallup Water Supply Project, San Juan County, New Mexico

Dear Mr. Draper:

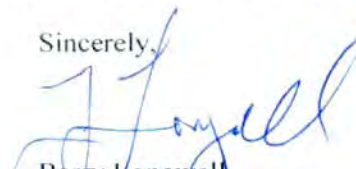
The Bureau of Reclamation hereby requests tribal consent to a grant of ROW and TCE over, across and through the subject Navajo Nation Tribal Trust Lands located in the area of Sanostee, Two Grey Hills, Newcomb, Sheep Springs, and Naschitti Navajo Tribal Chapters that are located in San Juan County, New Mexico. The Bureau of Indian Affairs (BIA) requires that said consent be obtained by Reclamation and that it be submitted with applications for ROW and TCE. Enclosed are the applications for said consent, and pertinent documents on CD format that are respectfully submitted for your review and processing. To allow for additional processing by the BIA, Reclamation requests that consent to the grant of this ROW be received on or before April 1, 2019.

Reclamation requests that Navajo Nation Realty Specialists gather all consents necessary to approve and process the enclosed applications.

Also, Reclamation requests that all customary fees be waived as allowed by the Omnibus Public Land Management Act of 2009, Title X, Part III (Public Law 111-11).

If you have any questions, please contact Mike Braman at 505-324-5024.

Sincerely,

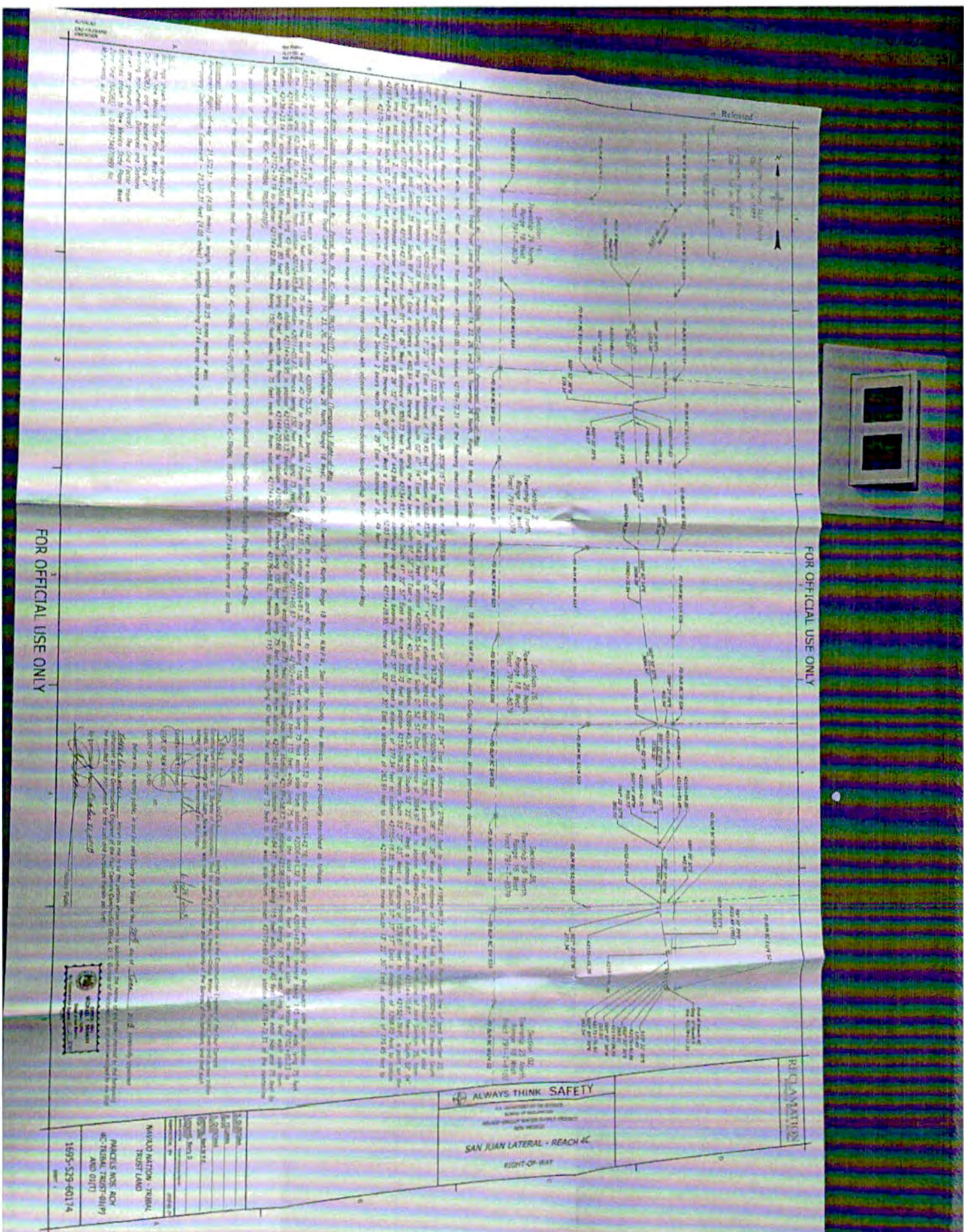

Barry Longwell
Construction Engineer

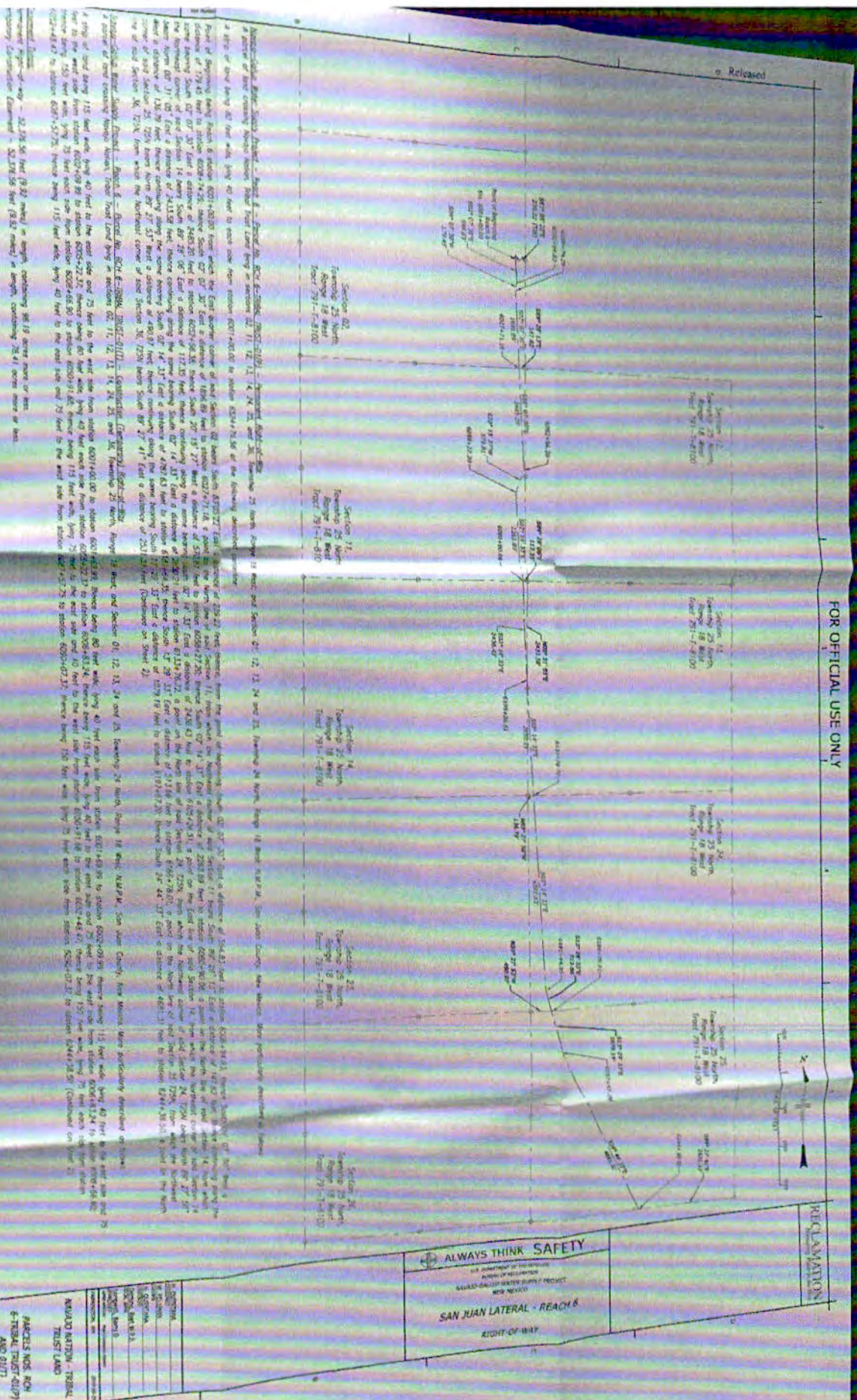
Enclosures - 2

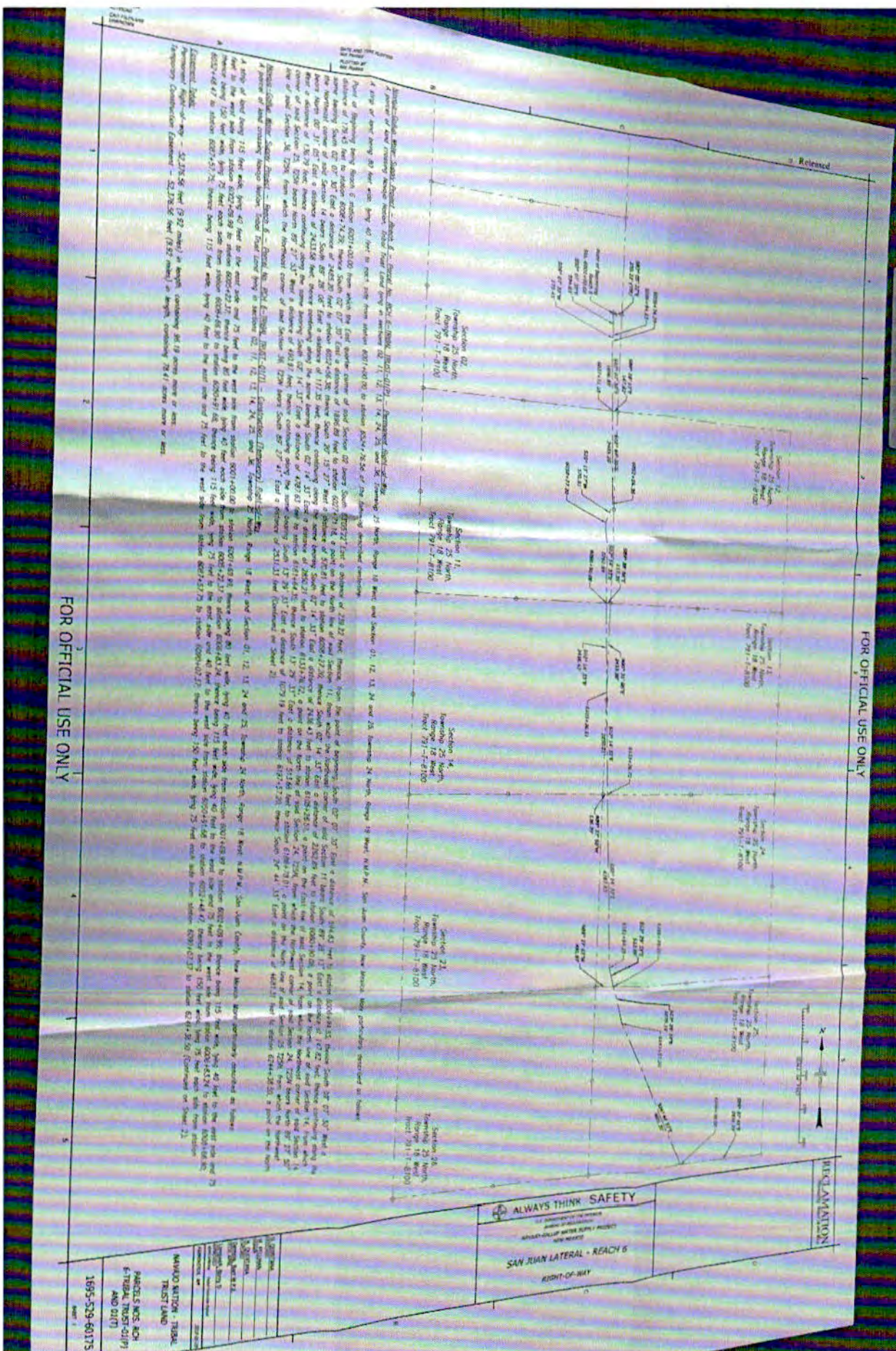
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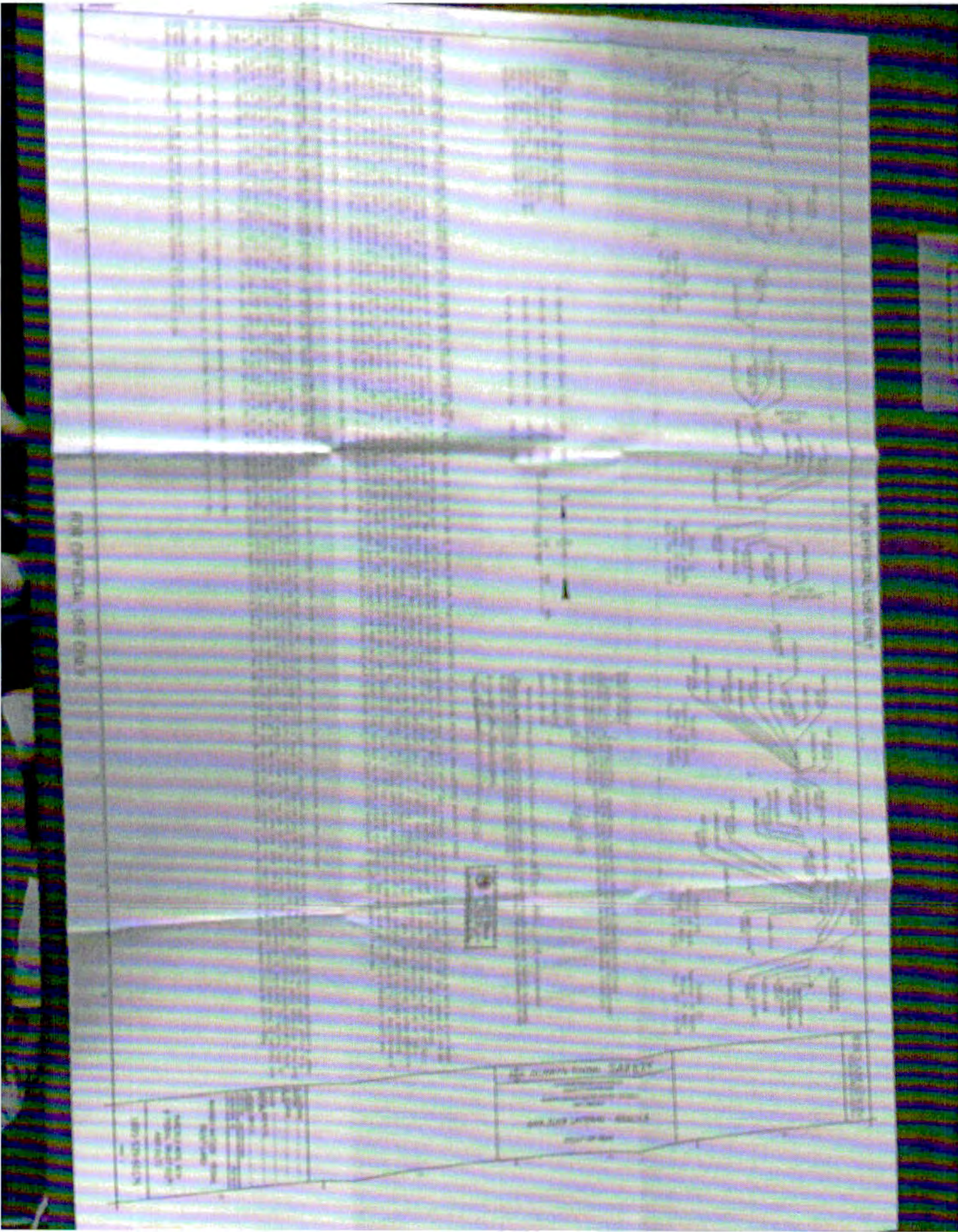
EXHIBIT B

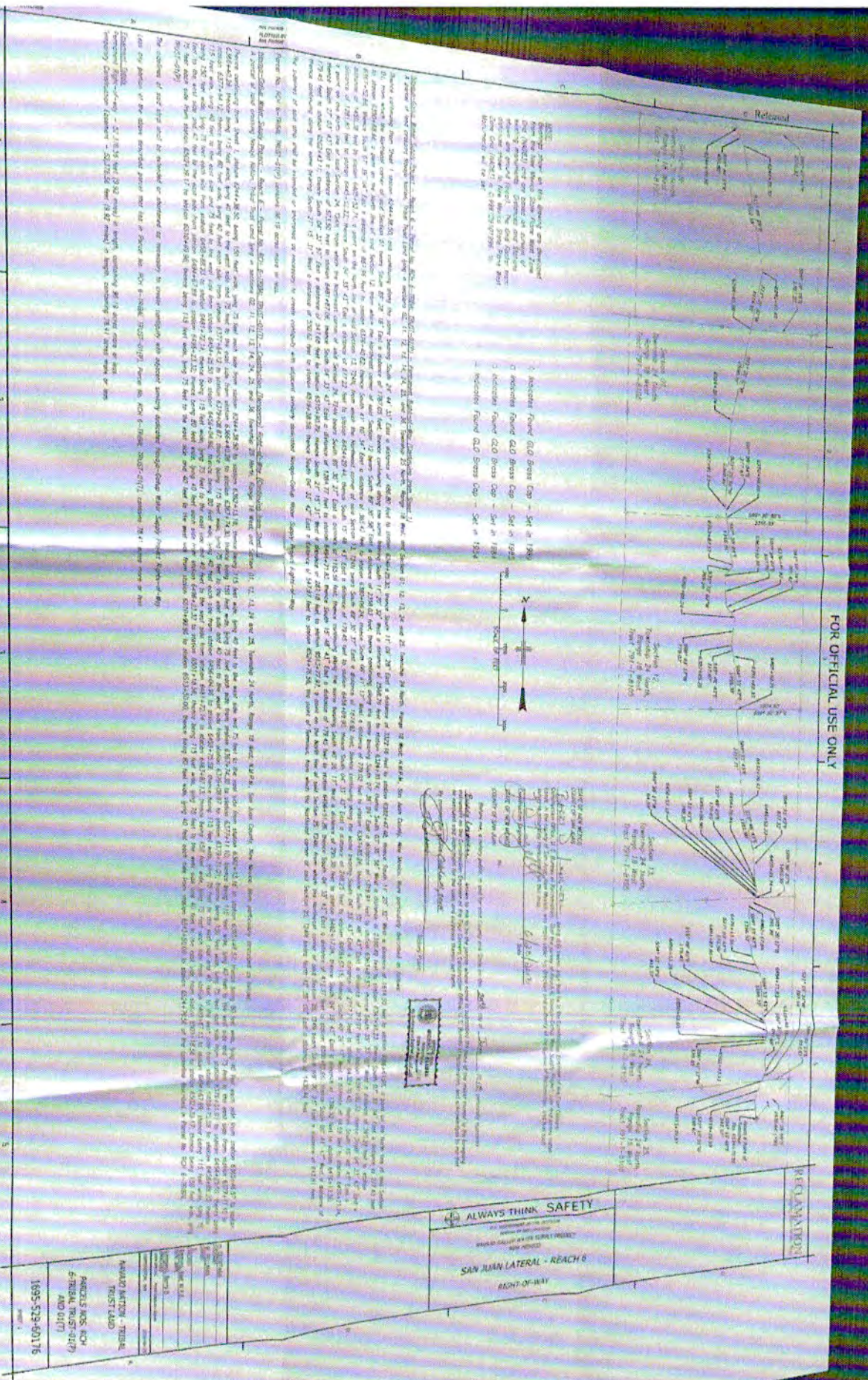


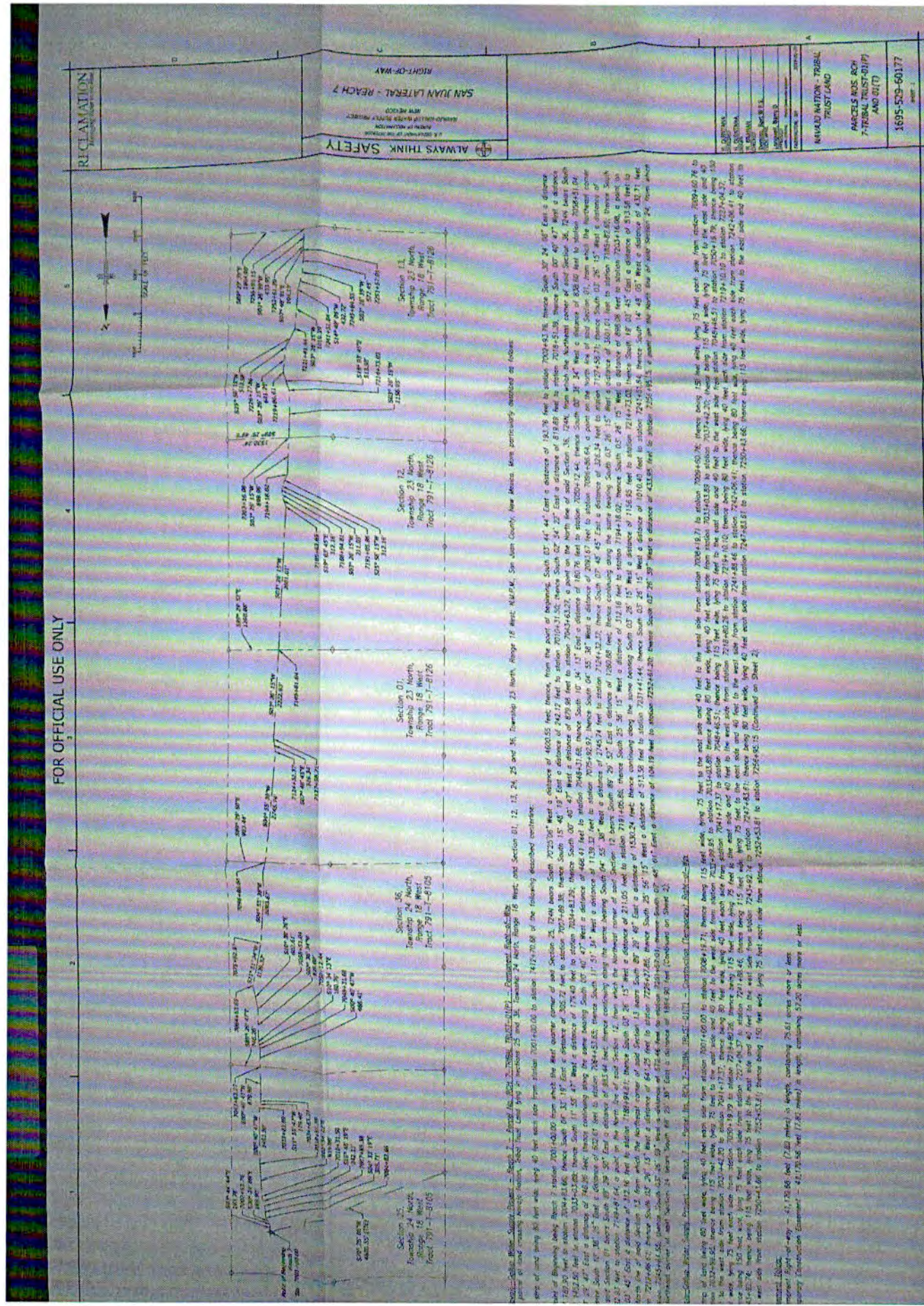






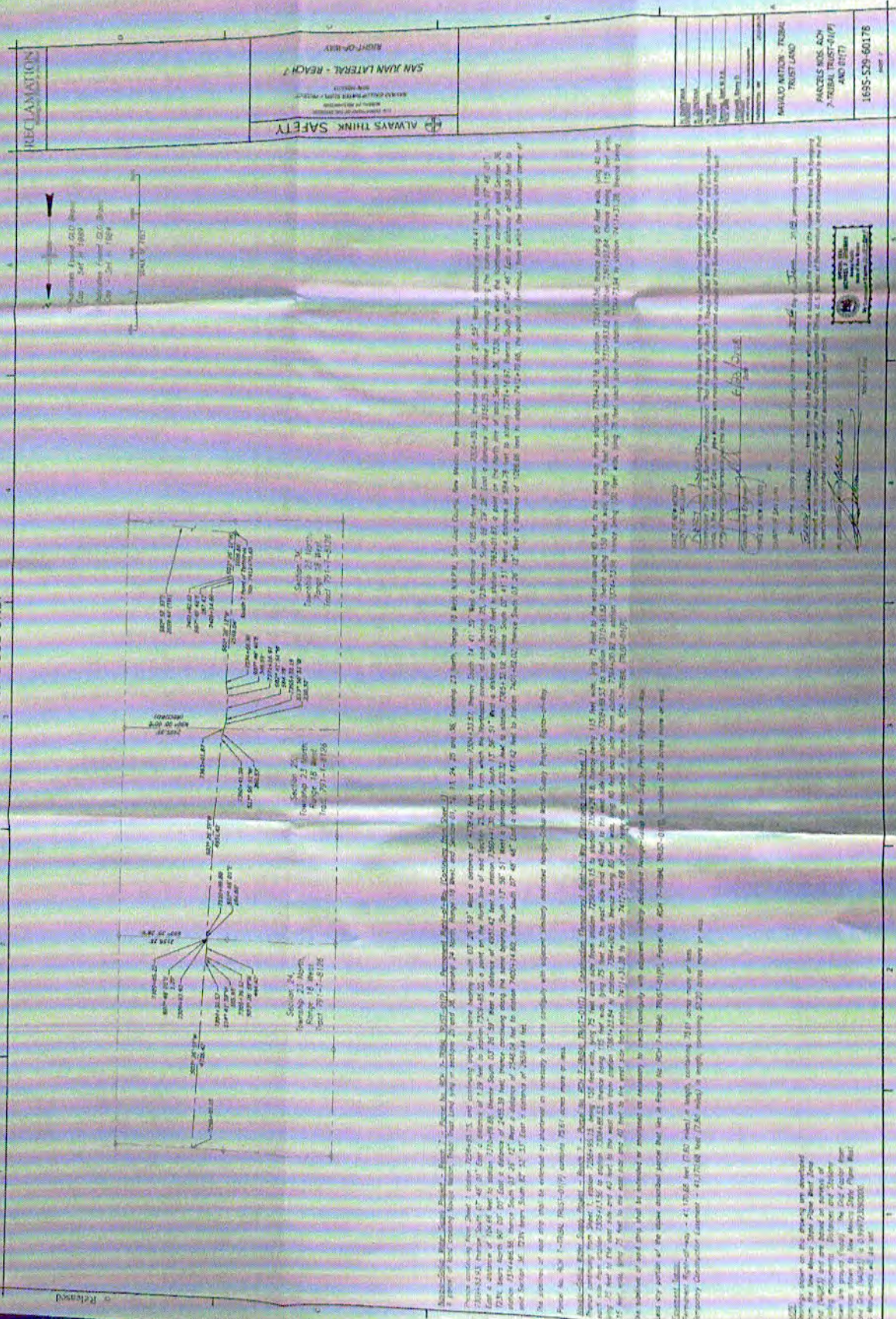


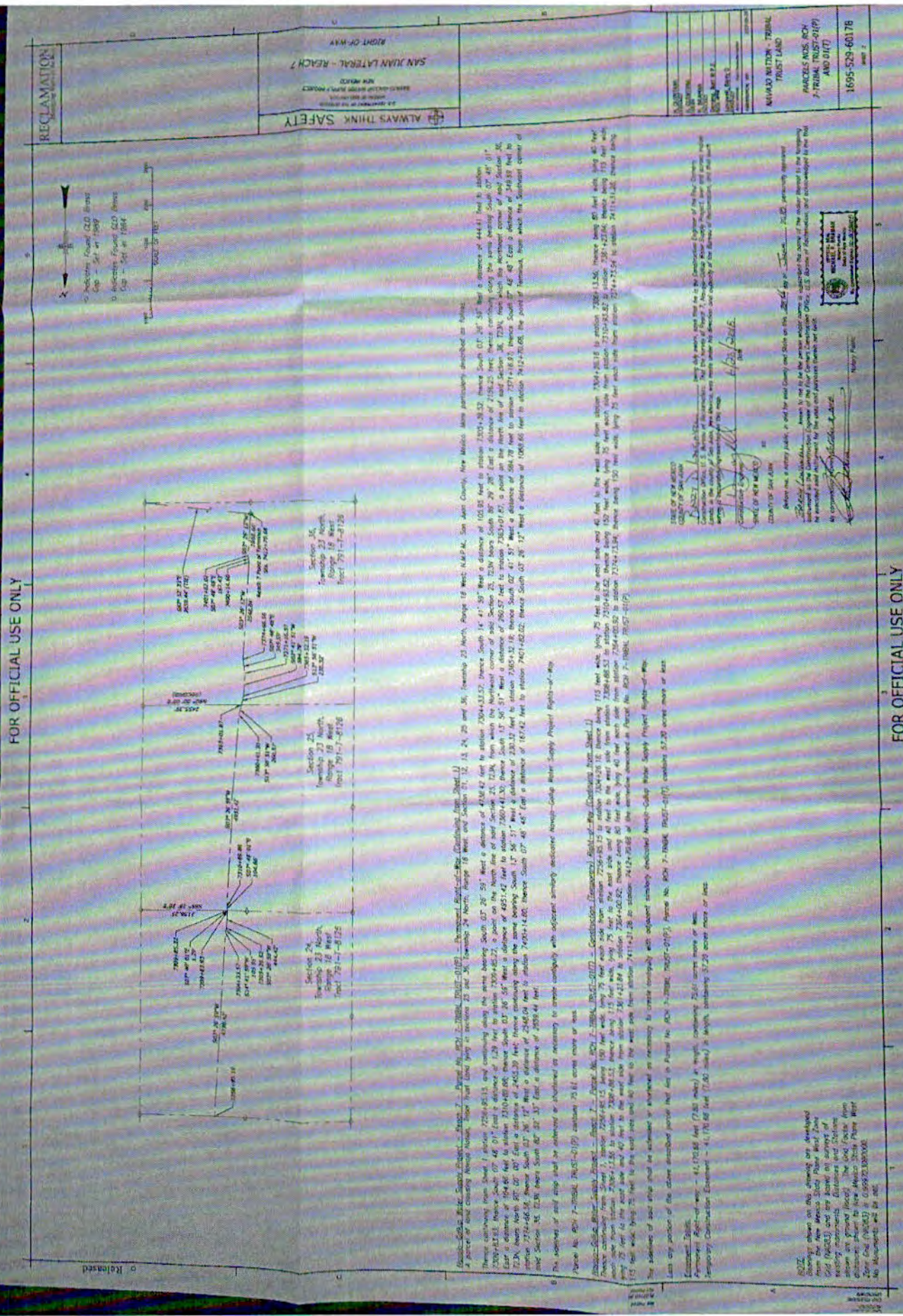




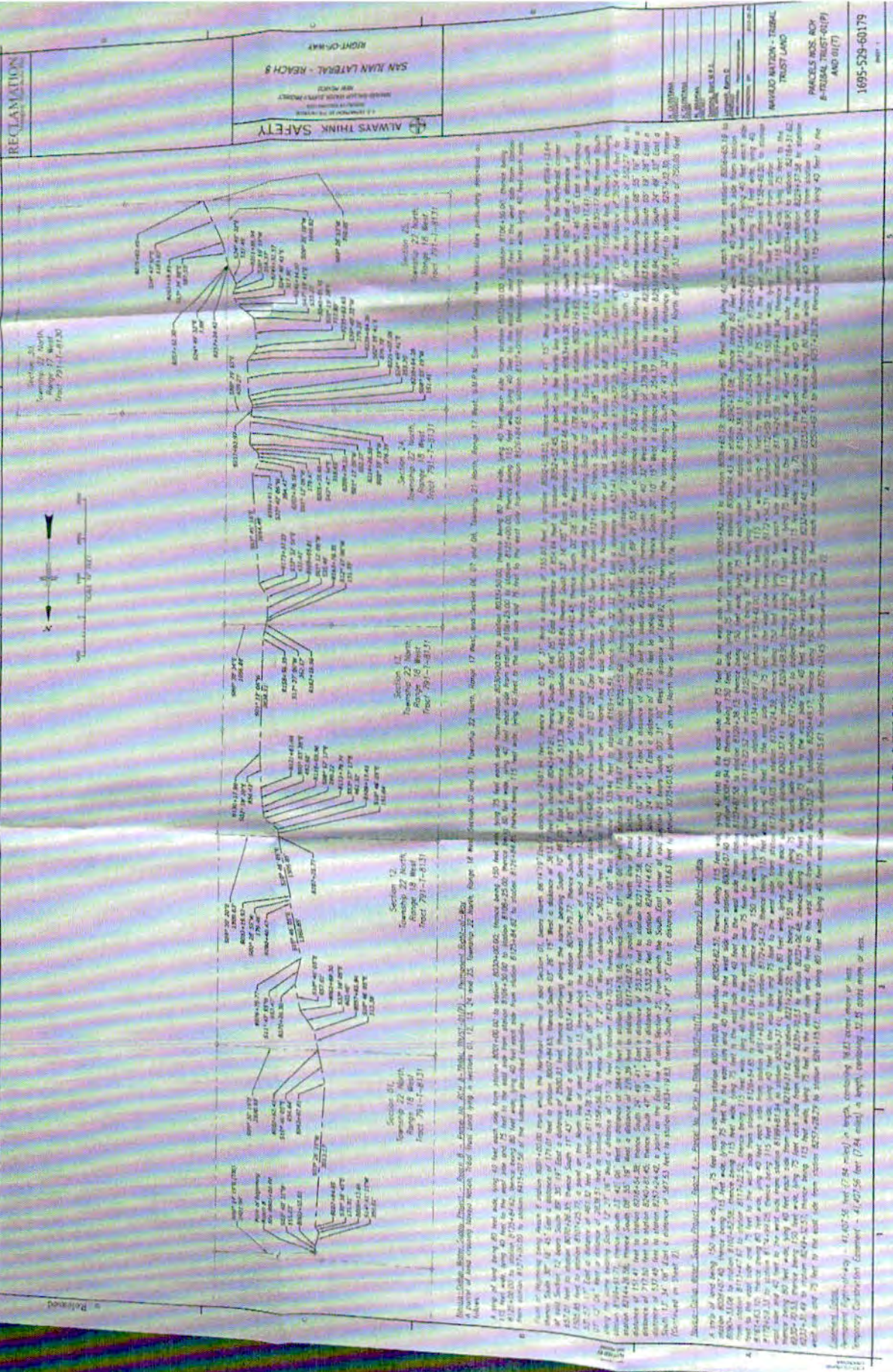


FOR OFFICIAL USE ONLY

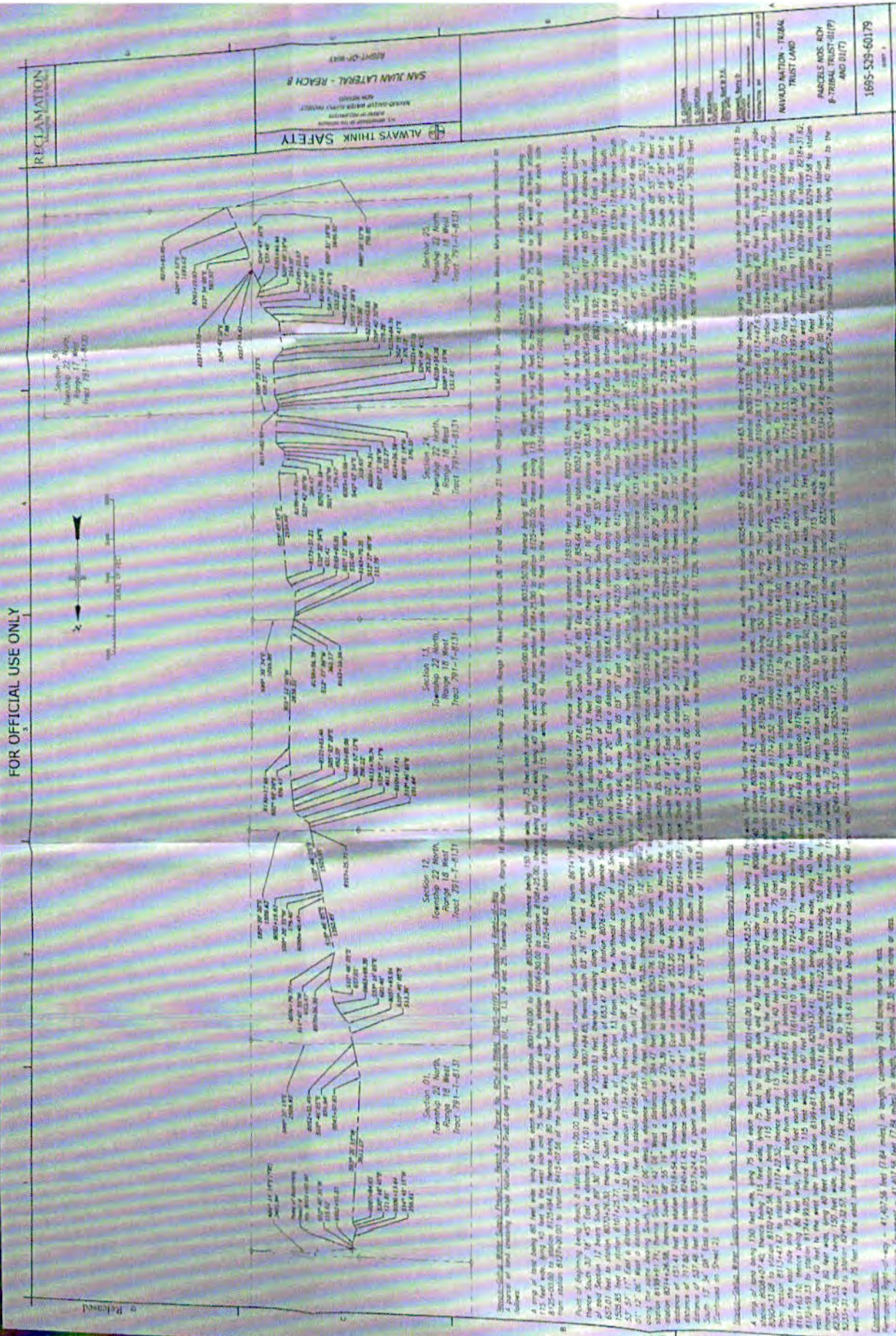


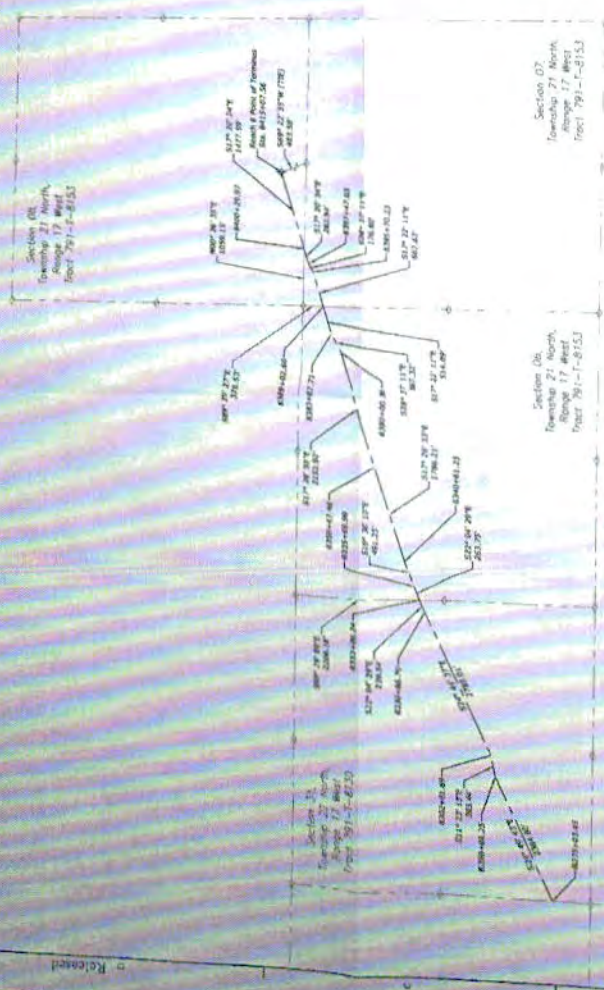


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1992-1993, 1994-1995, 1996-1997, 1998-1999, 2000-2001, 2002-2003, 2004-2005, 2006-2007, 2008-2009, 2010-2011, 2012-2013, 2014-2015, 2016-2017, 2018-2019, 2020-2021, 2022-2023, 2024-2025, 2026-2027, 2028-2029, 2030-2031, 2032-2033, 2034-2035, 2036-2037, 2038-2039, 2040-2041, 2042-2043, 2044-2045, 2046-2047, 2048-2049, 2050-2051, 2052-2053, 2054-2055, 2056-2057, 2058-2059, 2060-2061, 2062-2063, 2064-2065, 2066-2067, 2068-2069, 2070-2071, 2072-2073, 2074-2075, 2076-2077, 2078-2079, 2080-2081, 2082-2083, 2084-2085, 2086-2087, 2088-2089, 2090-2091, 2092-2093, 2094-2095, 2096-2097, 2098-2099, 2100-2101, 2102-2103, 2104-2105, 2106-2107, 2108-2109, 2110-2111, 2112-2113, 2114-2115, 2116-2117, 2118-2119, 2120-2121, 2122-2123, 2124-2125, 2126-2127, 2128-2129, 2130-2131, 2132-2133, 2134-2135, 2136-2137, 2138-2139, 2140-2141, 2142-2143, 2144-2145, 2146-2147, 2148-2149, 2150-2151, 2152-2153, 2154-2155, 2156-2157, 2158-2159, 2160-2161, 2162-2163, 2164-2165, 2166-2167, 2168-2169, 2170-2171, 2172-2173, 2174-2175, 2176-2177, 2178-2179, 2180-2181, 2182-2183, 2184-2185, 2186-2187, 2188-2189, 2190-2191, 2192-2193, 2194-2195, 2196-2197, 2198-2199, 2200-2201, 2202-2203, 2204-2205, 2206-2207, 2208-2209, 2210-2211, 2212-2213, 2214-2215, 2216-2217, 2218-2219, 2220-2221, 2222-2223, 2224-2225, 2226-2227, 2228-2229, 2230-2231, 2232-2233, 2234-2235, 2236-2237, 2238-2239, 2240-2241, 2242-2243, 2244-2245, 2246-2247, 2248-2249, 2250-2251, 2252-2253, 2254-2255, 2256-2257, 2258-2259, 2260-2261, 2262-2263, 2264-2265, 2266-2267, 2268-2269, 2270-2271, 2272-2273, 2274-2275, 2276-2277, 2278-2279, 2280-2281, 2282-2283, 2284-2285, 2286-2287, 2288-2289, 2290-2291, 2292-2293, 2294-2295, 2296-2297, 2298-2299, 2300-2301, 2302-2303, 2304-2305, 2306-2307, 2308-2309, 2310-2311, 2312-2313, 2314-2315, 2316-2317, 2318-2319, 2320-2321, 2322-2323, 2324-2325, 2326-2327, 2328-2329, 2330-2331, 2332-2333, 2334-2335, 2336-2337, 2338-2339, 2340-2341, 2342-2343, 2344-2345, 2346-2347, 2348-2349, 2350-2351, 2352-2353, 2354-2355, 2356-2357, 2358-2359, 2360-2361, 2362-2363, 2364-2365, 2366-2367, 2368-2369, 2370-2371, 2372-2373, 2374-2375, 2376-2377, 2378-2379, 2380-2381, 2382-2383, 2384-2385, 2386-2387, 2388-2389, 2390-2391, 2392-2393, 2394-2395, 2396-2397, 2398-2399, 2400-2401, 2402-2403, 2404-2405, 2406-2407, 2408-2409, 2410-2411, 2412-2413, 2414-2415, 2416-2417, 2418-2419, 2420-2421, 2422-2423, 2424-2425, 2426-2427, 2428-2429, 2430-2431, 2432-2433, 2434-2435, 2436-2437, 2438-2439, 2440-2441, 2442-2443, 2444-2445, 2446-2447, 2448-2449, 2450-2451, 2452-2453, 2454-2455, 2456-2457, 2458-2459, 2460-2461, 2462-2463, 2464-2465, 2466-2467, 2468-2469, 2470-2471, 2472-2473, 2474-2475, 2476-2477, 2478-2479, 2480-2481, 2482-2483, 2484-2485, 2486-2487, 2488-2489, 2490-2491, 2492-2493, 2494-2495, 2496-2497, 2498-2499, 2500-2501, 2502-2503, 2504-2505, 2506-2507, 2508-2509, 2510-2511, 2512-2513, 2514-2515, 2516-2517, 2518-2519, 2520-2521, 2522-2523, 2524-2525, 2526-2527, 2528-2529, 2530-2531, 2532-2533, 2534-2535, 2536-2537, 2538-2539, 2540-2541, 2542-2543, 2544-2545, 2546-2547, 2548-2549, 2550-2551, 2552-2553, 2554-2555, 2556-2557, 2558-2559, 2560-2561, 2562-2563, 2564-2565, 2566-2567, 2568-2569, 2570-2571, 2572-2573, 2574-2575, 2576-2577, 2578-2579, 2580-2581, 2582-2583, 2584-2585, 2586-2587, 2588-2589, 2590-2591, 2592-2593, 2594-2595, 2596-2597, 2598-2599, 2600-2601, 2602-2603, 2604-2605, 2606-2607, 2608-2609, 2610-2611, 2612-2613, 2614-2615, 2616-2617, 2618-2619, 2620-2621, 2622-2623, 2624-2625, 2626-2627, 2628-2629, 2630-2631, 2632-2633, 2634-2635, 2636-2637, 2638-2639, 2640-2641, 2642-2643, 2644-2645, 2646-2647, 2648-2649, 2650-2651, 2652-2653, 2654-2655, 2656-2657, 2658-2659, 2660-2661, 2662-2663, 2664-2665, 2666-2667, 2668-2669, 2670-2671, 2672-2673, 2674-2675, 2676-2677, 2678-2679, 2680-2681, 2682-2683, 2684-2685, 2686-2687, 2688-2689, 2690-2691, 2692-2693, 2694-2695, 2696-2697, 2698-2699, 2700-2701, 2702-2703, 2704-2705, 2706-2707, 2708-2709, 2710-2711, 2712-2713, 2714-2715, 2716-2717, 2718-2719, 2720-2721, 2722-2723, 2724-2725, 2726-2727, 2728-2729, 2730-2731, 2732-2733, 2734-2735,

[illegible]

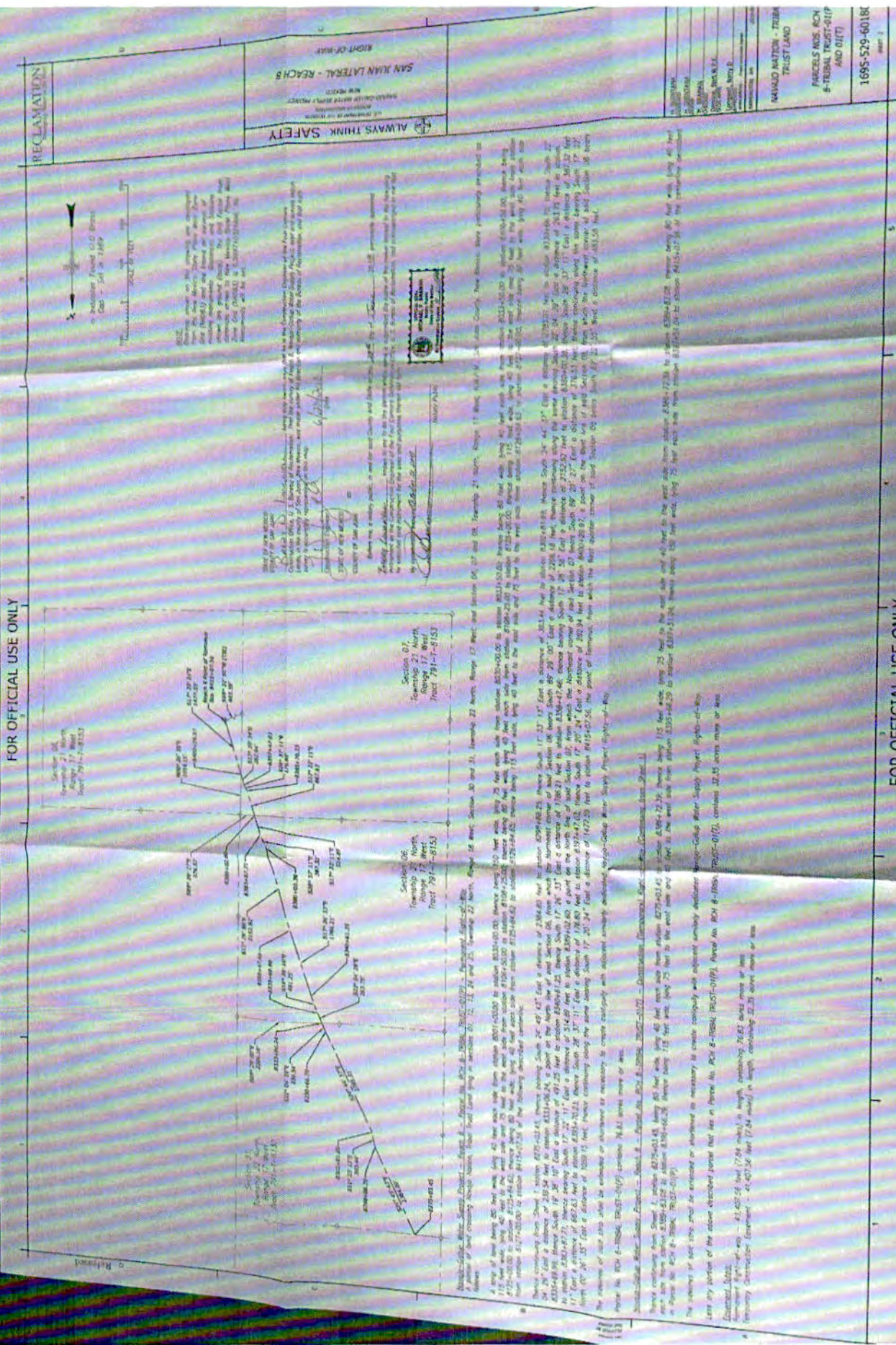
Project Name — **Long Point**
Address — 81.427-56 feet (7.94 miles) in length, containing 76.63 acres more or less.
County — Adams
City/Town/Village —
Section Number —
Range —
Township —
County Commission Report — 41.402-56 feet (7.94 miles) in length, containing 22.35 acres more or less.

Figure 1. The effect of the number of trials on the number of correct responses. The number of correct responses was plotted against the number of trials for each condition. The number of correct responses increased with the number of trials for all conditions. The number of correct responses was highest for the condition with the highest number of trials (10 trials) and lowest for the condition with the lowest number of trials (2 trials).

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<https://mail.google.com/mail/u/0/?tab=rm#inbox/FMfcxwCqCmtTmMtgczJmCbKxsGzr?projector=1&messagePartId=0.1>





NAVAJO NATION DEPARTMENT OF JUSTICE
OFFICE OF THE ATTORNEY GENERAL

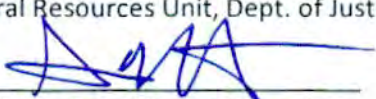


CHERIE ESPINOSA
Acting Deputy Attorney General

MEMORANDUM

TO: 164 Document reviewers

THROUGH: 
Veronica Blackhat, Asst. Attorney General
Natural Resources Unit, Dept. of Justice

FROM: 
Irvin Chee, Tribal Court Advocate
Natural Resources Unit, Dept. of Justice

DATE: April 5, 2019

SUBJECT: Document No. 010650: Bureau of Reclamation Right-of-Way Reach 4C-8 NGWSP

The Department of Justice apologies for inadvertently stating in their memorandum dated January 25, 2019 that the District Grazing Committee had identified forty-four (44) land users and out of forty-four land users, twenty-six (26) had valid grazing permits. This needs to be corrected and we are correcting it to state that: "Out of forty-four (44) land users, nineteen (19) land users had valid grazing permits". All of the nineteen consent(s) are attached to the packet. Again, the Department of Justice apologies for the inadvertent error.

If you should have any questions, please call me at 928 871-6347. Thank you.

xc: Yazzie, Elerina, Department Manager, General Land Development Department

CONSENT FORM #1
(No expected damages)

**CONSENT TO USE
NAVAJO NATION LANDS**

TO WHOM IT MAY CONCERN:

I, Daisy L. MIKE, hereby grant consent to The Navajo Nation and the Bureau of Indian Affairs, Window Rock, Arizona to permit: Bureau of Reclamation of 1235 La Plata Highway, Farmington, NM 87401 to use a portion of my customary land use area for the following purpose(s): to grant of Permanent Easement for Right-of-Way (ROW) over, under, across and through Navajo Nation Trust lands located in the Tocito & Little Water area of Sanostee Navajo Chapter, New Mexico as shown on the map showing the location of the proposed project on the back of this consent form.

I acknowledge that I do not expect any damage to my improvements or diminishment in value of my land use rights and/or I expect the value of my land use rights to be enhanced as a result of the above-referenced project as proposed.

Remarks: _____

7-13-18 Daisy L. Mike _____
Date Land User Signature or Thumbprint Census No. Permit No.

Witness: _____

18 Jul 18 Se B 18
Date Grazing Official or Land Board Member District No.

ACKNOWLEDGEMENT OF FIELD AGENT

I acknowledge that the consents of this consent form was read / ☒ / or fully explained / ☐ / to the land user in Navajo / ☒ / or English / ☐ / (check where applicable).

[Signature]
Field Agent Signature

CONSENT FORM #1
(No expected damages)

**CONSENT TO USE
NAVAJO NATION LANDS**

TO WHOM IT MAY CONCERN:

I, Leo R. BECENTI, hereby grant consent to The Navajo Nation and the Bureau of Indian Affairs, Window Rock, Arizona to permit: Bureau of Reclamation of 1235 La Plata Highway, Farmington, NM 87401 to use a portion of my customary land use area for the following purpose(s): to grant of Permanent Easement for Right-of-Way (ROW) over, under, across and through Navajo Nation Trust lands located in the Tocito & Little Water area of Sanostee Navajo Chapter, New Mexico as shown on the map showing the location of the proposed project on the back of this consent form.

I acknowledge that I do not expect any damage to my improvements or diminishment in value of my land use rights and/or I expect the value of my land use rights to be enhanced as a result of the above-referenced project as proposed.

Remarks: _____

07/12/18 Leo R. Becenti _____ .0543
Date Land User Signature or Thumbprint Census No. Permit No.

Witness: _____

13th 18' _____ 12
Date Grazing Official or Land Board Member District No.

ACKNOWLEDGEMENT OF FIELD AGENT

I acknowledge that the consents of this consent form was read / ☒ or fully explained / ☐ to the land user in Navajo / ☒ or English / ☒ (check where applicable).

[Signature]
Field Agent Signature

CONSENT FORM #1
(No expected damages)

CONSENT TO USE
NAVAJO NATION LANDS

TO WHOM IT MAY CONCERN:

I, Elsie M. BECENTI, hereby grant consent to The Navajo Nation and the Bureau of Indian Affairs, Window Rock, Arizona to permit: Bureau of Reclamation of 1235 La Plata Highway, Farmington, NM 87401 to use a portion of my customary land use area for the following purpose(s): to grant of Permanent Easement for Right-of-Way (ROW) over, under, across and through Navajo Nation Trust lands located in the Tociito & Little Water area of Sanostee Navajo Chapter, New Mexico as shown on the map showing the location of the proposed project on the back of this consent form.

I acknowledge that I do not expect any damage to my improvements or diminishment in value of my land use rights and/or I expect the value of my land use rights to be enhanced as a result of the above-referenced project as proposed.

Remarks: _____

7-12-18 Elsie Becenti 0543
Date Land User Signature or Thumbprint Census No. Permit No.

Witness: _____

13 Jul 2018 [Signature] 12
Date Grazing Official or Land Board Member District No.

ACKNOWLEDGEMENT OF FIELD AGENT

I acknowledge that the consents of this consent form was read /X/ or fully explained / / to the land user in Navajo /X/ or English /X/ (check where applicable).

[Signature]
Field Agent Signature

CONSENT FORM #1
(No expected damages)

CONSENT TO USE
NAVAJO NATION LANDS

TO WHOM IT MAY CONCERN:

I, Leonard BARBER, hereby grant consent to The Navajo Nation and the Bureau of Indian Affairs, Window Rock, Arizona to permit: Bureau of Reclamation of 1235 La Plata Highway, Farmington, NM 87401 to use a portion of my customary land use area for the following purpose(s): to grant of Permanent Easement for Right-of-Way (ROW) over, under, across and through Navajo Nation Trust lands located in the Tocito & Little Water area of Sanostee Navajo Chapter, New Mexico as shown on the map showing the location of the proposed project on the back of this consent form.

I acknowledge that I do not expect any damage to my improvements or diminishment in value of my land use rights and/or I expect the value of my land use rights to be enhanced as a result of the above-referenced project as proposed.

Remarks: _____

07-13-18 Leonard Barber _____
Date Land User Signature or Thumbprint Census No. Permit No.

Witness: _____

18 Jul 18 CEB 12
Date Grazing Official or Land Board Member District No.

ACKNOWLEDGEMENT OF FIELD AGENT

I acknowledge that the consents of this consent form was read / ☒ / or fully explained / ☐ / to the land user in Navajo / ☒ / or English / ☐ / (check where applicable).

[Signature]
Field Agent Signature

CONSENT FORM #1
(No expected damages)

CONSENT TO USE
NAVAJO NATION LANDS

TO WHOM IT MAY CONCERN:

I, Marietta BARBER, hereby grant consent to The Navajo Nation and the Bureau of Indian Affairs, Window Rock, Arizona to permit: Bureau of Reclamation of 1235 La Plata Highway, Farmington, NM 87401 to use a portion of my customary land use area for the following purpose(s): to grant of Permanent Easement for Right-of-Way (ROW) over, under, across and through Navajo Nation Trust lands located in the Tocito & Little Water area of Sanostee Navajo Chapter, New Mexico as shown on the map showing the location of the proposed project on the back of this consent form.

I acknowledge that I do not expect any damage to my improvements or diminishment in value of my land use rights and/or I expect the value of my land use rights to be enhanced as a result of the above-referenced project as proposed.

Remarks: _____

7-12-18 Marietta Barber _____
Date Land User Signature or Thumbprint Census No. Permit No.

Witness: _____

7-12-18 [Signature] 12
Date Grazing Official or Land Board Member District No.

ACKNOWLEDGEMENT OF FIELD AGENT

I acknowledge that the consents of this consent form was read /X/ or fully explained / / to the land user in Navajo /X/ or English /X/ (check where applicable).

[Signature]
Field Agent Signature

CONSENT FORM #1
(No expected damages)

CONSENT TO USE
NAVAJO NATION LANDS

TO WHOM IT MAY CONCERN:

I, Sharon MARTIN, hereby grant consent to The Navajo Nation and the Bureau of Indian Affairs, Window Rock, Arizona to permit: Bureau of Reclamation of 1235 La Plata Highway, Farmington, NM 87401 to use a portion of my customary land use area for the following purpose(s): to grant of Permanent Easement for Right-of-Way (ROW) over, under, across and through Navajo Nation Trust lands located in the Tocito & Little Water area of Sanostee Navajo Chapter, New Mexico as shown on the map showing the location of the proposed project on the back of this consent form.

I acknowledge that I do not expect any damage to my improvements or diminishment in value of my land use rights and/or I expect the value of my land use rights to be enhanced as a result of the above-referenced project as proposed.

Remarks: _____

7/13/18 Sharon Martin _____
Date Land User Signature or Thumbprint Census No. Permit No.

Witness: _____

18 Jul 18 [Signature] _____
Date Grazing Official or Land Board Member District No.

ACKNOWLEDGEMENT OF FIELD AGENT

I acknowledge that the consents of this consent form was read / ☒ / or fully explained / ☐ / to the land user in Navajo / ☒ / or English / ☐ / (check where applicable).

[Signature]
Field Agent Signature

CONSENT FORM #1
(No expected damages)

**CONSENT TO USE
NAVAJO NATION LANDS**

TO WHOM IT MAY CONCERN:

I, Larry BENALLY, hereby grant consent to The Navajo Nation and the Bureau of Indian Affairs, Window Rock, Arizona to permit: Bureau of Reclamation of 1235 La Plata Highway, Farmington, NM 87401 to use a portion of my customary land use area for the following purpose(s): to grant of Permanent Easement for Right-of-Way (ROW) over, under, across and through Navajo Nation Trust lands located in the Tocito & Little Water area of Sanostee Navajo Chapter, New Mexico as shown on the map showing the location of the proposed project on the back of this consent form.

I acknowledge that I do not expect any damage to my improvements or diminishment in value of my land use rights and/or I expect the value of my land use rights to be enhanced as a result of the above-referenced project as proposed.

Remarks: _____

7/2/2018 Larry Benally
Date Land User Signature or Thumbprint

Census No. Permit No.

Witness: _____

05 Jul 2018
Date

[Signature]
Grazing Official or Land Board Member

12
District No.

ACKNOWLEDGEMENT OF FIELD AGENT

I acknowledge that the consents of this consent form was read /X/ or fully explained /X/ to the land user in Navajo /X/ or English / / (check where applicable).

[Signature]
Field Agent Signature

CONSENT FORM #1
(No expected damages)

CONSENT TO USE
NAVAJO NATION LANDS

TO WHOM IT MAY CONCERN:

I, Joe H. BARBER, hereby grant consent to The Navajo Nation and the Bureau of Indian Affairs, Window Rock, Arizona to permit: Bureau of Reclamation of 1235 La Plata Highway, Farmington, NM 87401 to use a portion of my customary land use area for the following purpose(s): to grant of Permanent Easement for Right-of-Way (ROW) over, under, across and through Navajo Nation Trust lands located in the Tocito & Little Water area of Sanostee Navajo Chapter, New Mexico as shown on the map showing the location of the proposed project on the back of this consent form.

I acknowledge that I do not expect any damage to my improvements or diminishment in value of my land use rights and/or I expect the value of my land use rights to be enhanced as a result of the above-referenced project as proposed.

Remarks: _____

7/2/18 Joe Barber
Date Land User Signature or Thumbprint Census No. Permit No.

Witness: _____

05 Jul 2018 [Signature] 12
Date Grazing Official or Land Board Member District No.

ACKNOWLEDGEMENT OF FIELD AGENT

I acknowledge that the consents of this consent form was read /☒/ or fully explained / ☐ / to the land user in Navajo /☒/ or English /☒/ (check where applicable).

[Signature]
Field Agent Signature

CONSENT FORM #1
(No expected damages)

CONSENT TO USE
NAVAJO NATION LANDS

TO WHOM IT MAY CONCERN:

I, Emma Lov BADONIE, hereby grant consent to The Navajo Nation and the Bureau of Indian Affairs, Window Rock, Arizona to permit: Bureau of Reclamation of 1235 La Plata Highway, Farmington, NM 87401 to use a portion of my customary land use area for the following purpose(s): to grant of Permanent Easement for Right-of-Way (ROW) over, under, across and through Navajo Nation Trust lands located in the Tocito & Little Water area of Sanostee Navajo Chapter, New Mexico as shown on the map showing the location of the proposed project on the back of this consent form.

I acknowledge that I do not expect any damage to my improvements or diminishment in value of my land use rights and/or I expect the value of my land use rights to be enhanced as a result of the above-referenced project as proposed.

Remarks: _____

7-11-18 Emma Lov Badonie 0278528
Date Land User Signature or Thumbprint Census No. Permit No.

Witness: _____

18 Jul 18 [Signature] 12
Date Grazing Official or Land Board Member District No.

ACKNOWLEDGEMENT OF FIELD AGENT

I acknowledge that the consents of this consent form was read / ☒ / or fully explained / ☐ / to the land user in Navajo / ☒ / or English / ☐ / (check where applicable).

[Signature]

Field Agent Signature

CONSENT FORM #1
(No expected damages)

CONSENT TO USE
NAVAJO NATION LANDS

TO WHOM IT MAY CONCERN:

I, Anna M. Mike, hereby grant consent to The Navajo Nation and the Bureau of Indian Affairs, Window Rock, Arizona to permit: Bureau of Reclamation of 1235 La Plata Highway, Farmington, NM 87401 to use a portion of my customary land use area for the following purpose(s): to grant of Permanent Easement for Right-of-Way (ROW) over, under, across and through Navajo Nation Trust lands located in the Tocito & Little Water area of Sanostee Navajo Chapter, New Mexico as shown on the map showing the location of the proposed project on the back of this consent form.

I acknowledge that I do not expect any damage to my improvements or diminishment in value of my land use rights and/or I expect the value of my land use rights to be enhanced as a result of the above-referenced project as proposed.

Remarks: _____

7-16-18 Anna M. Mike
Date Land User Signature or Thumbprint

Census No. Permit No.

Witness: _____

Box
Shiprock, N.M. 87420
Housing S. of old fairchild, #0-11.

18 Jul 18 [Signature]
Date Grazing Official or Land Board Member

12
District No.

ACKNOWLEDGEMENT OF FIELD AGENT

I acknowledge that the consents of this consent form was read /☒/ or fully explained / / to the land user in Navajo /☒/ or English /☒/ (check where applicable).

[Signature]
Field Agent Signature

CONSENT FORM #1
(No expected damages)

**CONSENT TO USE
NAVAJO NATION LANDS**

TO WHOM IT MAY CONCERN:

I, Helen Willie-Henderson, hereby grant consent to The Navajo Nation and the Bureau of Indian Affairs, Window Rock, Arizona to permit: Bureau of Reclamation of 1235 La Plata Highway, Farmington, NM 87401 to use a portion of my customary land use area for the following purpose(s): to grant of Permanent Easement for Right-of-Way (ROW) over, under, across and through Navajo Nation Trust lands located in the Tocito & Little Water area of Sanostee Navajo Chapter, New Mexico as shown on the map showing the location of the proposed project on the back of this consent form.

I acknowledge that I do not expect any damage to my improvements or diminishment in value of my land use rights and/or I expect the value of my land use rights to be enhanced as a result of the above-referenced project as proposed.

Remarks: _____

7/9/18 Helen Henderson _____ 30-2
Date Land User Signature or Thumbprint Census No. Permit No.

Witness: _____

13 Jul 18 [Signature] 12
Date Grazing Official or Land Board Member District No.

ACKNOWLEDGEMENT OF FIELD AGENT

I acknowledge that the consents of this consent form was read / / or fully explained / / to the land user in Navajo /X/ or English /X/ (check where applicable).

[Signature]
Field Agent Signature

CONSENT FORM #1
(No expected damages)

CONSENT TO USE
NAVAJO NATION LANDS

TO WHOM IT MAY CONCERN:

I, Lillie ATCITY, hereby grant consent to The Navajo Nation and the Bureau of Indian Affairs, Window Rock, Arizona to permit: Bureau of Reclamation of 1235 La Plata Highway, Farmington, NM 87401 to use a portion of my customary land use area for the following purpose(s): to grant of Permanent Easement for Right-of-Way (ROW) over, under, across and through Navajo Nation Trust lands located in the Tocito area of Sanostee Navajo Chapter, New Mexico as shown on the map showing the location of the proposed project on the back of this consent form.

I acknowledge that I do not expect any damage to my improvements or diminishment in value of my land use rights and/or I expect the value of my land use rights to be enhanced as a result of the above-referenced project as proposed.

Remarks: _____

7-10-18 Lillie Atcity 12-3577
Date Land User Signature or Thumbprint Census No. Permit No.

Witness: _____

18 Jul 18 [Signature] 12
Date Grazing Official or Land Board Member District No.

ACKNOWLEDGEMENT OF FIELD AGENT

I acknowledge that the consents of this consent form was read /☒/ or fully explained / ☐ / to the land user in Navajo /☒/ or English /☒/ (check where applicable).

[Signature]
Field Agent Signature

CONSENT FORM #1
(No expected damages)

CONSENT TO USE
NAVAJO NATION LANDS

TO WHOM IT MAY CONCERN:

I, Ronald Begay, hereby grant consent to The Navajo Nation and the Bureau of Indian Affairs, Window Rock, Arizona to permit: Bureau of Reclamation of 1235 La Plata Highway, Farmington, NM 87401 to use a portion of my customary land use area for the following purpose(s): to grant of Permanent Easement for Right-of-Way (ROW) over, under, across and through Navajo Nation Trust lands located in the Tocito & Little Water area of Sanostee Navajo Chapter, New Mexico as shown on the map showing the location of the proposed project on the back of this consent form.

I acknowledge that I do not expect any damage to my improvements or diminishment in value of my land use rights and/or I expect the value of my land use rights to be enhanced as a result of the above-referenced project as proposed.

Remarks: _____

7-11-18
Date

Ronald Begay
Land User Signature or Thumbprint

Census No.

23-0
Permit No.

Witness: _____

13 Oct 18
Date

[Signature]
Grazing Official or Land Board Member

12
District No.

ACKNOWLEDGEMENT OF FIELD AGENT

I acknowledge that the consents of this consent form was read / / or fully explained / / to the land user in Navajo /X/ or English /X/ (check where applicable).

[Signature]
Field Agent Signature

CONSENT FORM #1
(No expected damages)

CONSENT TO USE
NAVAJO NATION LANDS

TO WHOM IT MAY CONCERN:

I, Raymond Baldwin, hereby grant consent to The Navajo Nation and the Bureau of Indian Affairs, Window Rock, Arizona to permit: Bureau of Reclamation of 1235 La Plata Highway, Farmington, NM 87401 to use a portion of my customary land use area for the following purpose(s): to grant of Permanent Easement for Right-of-Way (ROW) over, under, across and through Navajo Nation Trust lands located in the Tocito & Little Water area of Sanostee Navajo Chapter, New Mexico as shown on the map showing the location of the proposed project on the back of this consent form.

I acknowledge that I do not expect any damage to my improvements or diminishment in value of my land use rights and/or I expect the value of my land use rights to be enhanced as a result of the above-referenced project as proposed.

Remarks: _____

7/11/18

Date



Land User Signature or Thumbprint

Census No.

19-2

Permit No.

Witness: Charlene Baldwin

[Signature]

13 Jul 18

Date

[Signature]

Grazing Official or Land Board Member

12

District No.

ACKNOWLEDGEMENT OF FIELD AGENT

I acknowledge that the consents of this consent form was read /☒/ or fully explained / / to the land user in Navajo /☒/ or English /☒/ (check where applicable).

[Signature]

Field Agent Signature

(No expected damages)

NAVAJO NATION LANDS

TO WHOM IT MAY CONCERN:

I, Larry Dixon, hereby grant consent to The Navajo Nation and the Bureau of Indian Affairs, Window Rock, Arizona to permit: Bureau of Reclamation of 1235 La Plata Highway, Farmington, NM 87401 to use a portion of my customary land use area for the following purpose(s): to grant of Permanent Easement for Right-of-Way (ROW) over, under, across and through Navajo Nation Trust lands located in the Tocito & Little Water area of Sanostee Navajo Chapter, New Mexico as shown on the map showing the location of the proposed project on the back of this consent form.

I acknowledge that I do not expect any damage to my improvements or diminishment in value of my land use rights and/or I expect the value of my land use rights to be enhanced as a result of the above-referenced project as proposed.

Remarks: Need 3" Value

07-09-18 Date Land User Signature or Thumbprint Census No. 69-3
Permit No.

Witness: _____

13 Jul 18 Date [Signature] Grazing Official or Land Board Member 12 District No.

ACKNOWLEDGEMENT OF FIELD AGENT

I acknowledge that the consents of this consent form was read /☒/ or fully explained / ☐ / to the land user in Navajo /☒/ or English /☒/ (check where applicable).

Field Agent Signature

CONSENT FORM #1
(No expected damages)

**CONSENT TO USE
NAVAJO NATION LANDS**

TO WHOM IT MAY CONCERN:

I, Larry HENDERSON, hereby grant consent to The Navajo Nation and the Bureau of Indian Affairs, Window Rock, Arizona to permit: Bureau of Reclamation of 1235 La Plata Highway, Farmington, NM 87401 to use a portion of my customary land use area for the following purpose(s): to grant of Permanent Easement for Right-of-Way (ROW) over, under, across and through Navajo Nation Trust lands located in the Tocito & Little Water area of Sanostee Navajo Chapter, New Mexico as shown on the map showing the location of the proposed project on the back of this consent form.

I acknowledge that I do not expect any damage to my improvements or diminishment in value of my land use rights and/or I expect the value of my land use rights to be enhanced as a result of the above-referenced project as proposed.

Remarks: _____

7/11/18 Larry Henderson _____ _____
Date Land User Signature or Thumbprint Census No. Permit No.

Witness: _____

13 Jul 18 EL B 12
Date Grazing Official or Land Board Member District No.

ACKNOWLEDGEMENT OF FIELD AGENT

I acknowledge that the consents of this consent form was read /X/ or fully explained / / to the land user in Navajo /X/ or English /X/ (check where applicable).

[Signature]
Field Agent Signature

CONSENT FORM #1
(No expected damages)

CONSENT TO USE
NAVAJO NATION LANDS

TO WHOM IT MAY CONCERN:

I, Michael HENDERSON, hereby grant consent to The Navajo Nation and the Bureau of Indian Affairs, Window Rock, Arizona to permit: Bureau of Reclamation of 1235 La Plata Highway, Farmington, NM 87401 to use a portion of my customary land use area for the following purpose(s): to grant of Permanent Easement for Right-of-Way (ROW) over, under, across and through Navajo Nation Trust lands located in the Tocito & Little Water area of Sanostee Navajo Chapter, New Mexico as shown on the map showing the location of the proposed project on the back of this consent form.

I acknowledge that I do not expect any damage to my improvements or diminishment in value of my land use rights and/or I expect the value of my land use rights to be enhanced as a result of the above-referenced project as proposed.

Remarks: Just want Storage tanks to be not on our grazing area.

7/12/18 Michael Henderson _____
Date Land User Signature or Thumbprint Census No. Permit No.

Witness: _____

13 Jul 18 [Signature] 12
Date Grazing Official or Land Board Member District No.

ACKNOWLEDGEMENT OF FIELD AGENT

I acknowledge that the consents of this consent form was read /x/ or fully explained / / to the land user in Navajo /X/ or English /X/ (check where applicable).

[Signature]
Field Agent Signature

CONSENT FORM #1

(No expected damages)

CONSENT TO USE NAVAJO NATION LANDS

TO WHOM IT MAY CONCERN:

I, David C. NEZ, hereby grant consent to The Navajo Nation and the Bureau of Indian Affairs, Window Rock, Arizona to permit: Bureau of Reclamation of 1235 La Plata Highway, Farmington, NM 87401 to use a portion of my customary land use area for the following purpose(s): to grant of Permanent Easement for Right-of-Way (ROW) over, under, across and through Navajo Nation Trust lands located in the Tocito & Little Water area of Sanostee Navajo Chapter, New Mexico as shown on the map showing the location of the proposed project on the back of this consent form.

I acknowledge that I do not expect any damage to my improvements or diminishment in value of my land use rights and/or I expect the value of my land use rights to be enhanced as a result of the above-referenced project as proposed.

Remarks: I am going to request to NOT have a above ground storage tank on our customary land we are.

7/16/18

Date _____

~~Land User Signature or Thumbprint~~

Census No.

Permit No. _____

Witness: _____

18 Jul 18

Date _____

Grazing Official or Land Board Member

District No. _____

ACKNOWLEDGEMENT OF FIELD AGENT

I acknowledge that the consents of this consent form was read / ☒ / or fully explained / ☐ / to the land user in Navajo / ☒ / or English / ☒ / (check where applicable).

Field Agent Signature

CONSENT FORM #1
(No expected damages)

**CONSENT TO USE
NAVAJO NATION LANDS**

TO WHOM IT MAY CONCERN:

I, Howard B. Begay, hereby grant consent to The Navajo Nation and the Bureau of Indian Affairs, Window Rock, Arizona to permit: Bureau of Reclamation of 1235 La Plata Highway, Farmington, NM 87401 to use a portion of my customary land use area for the following purpose(s): to grant of Permanent Easement for Right-of-Way (ROW) over, under, across and through Navajo Nation Trust lands located in the Tocito & Little Water area of Sanostee Navajo Chapter, New Mexico as shown on the map showing the location of the proposed project on the back of this consent form.

I acknowledge that I do not expect any damage to my improvements or diminishment in value of my land use rights and/or I expect the value of my land use rights to be enhanced as a result of the above-referenced project as proposed.

Remarks: There ~~are~~ water on west of Highway 490 But it Dry up
in Spring. Summer. We need water on west of Highway. This it need
repair.

7-17-18
Date

Howard B. Begay
Land User Signature or Thumbprint
P.O. Box , Sanostee NM 87461

Census No. 12-3008
Permit No.

Witness: _____

18 Jul 2018
Date

[Signature]
Grazing Official or Land Board Member

12
District No.

ACKNOWLEDGEMENT OF FIELD AGENT

I acknowledge that the consents of this consent form was read, ☒ or fully explained / / to the land user in Navajo ☒ or English ☒ (check where applicable).

[Signature]
Field Agent Signature



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION

APPLICATION FOR CONSENT TO A GRANT OF PERMANENT EASEMENT FOR RIGHT-OF-WAY

Tribal Trust Lands – NGWSP Reach 4C-8

1. **Applicant Name and Address:** The Bureau of Reclamation, Four Corners Construction Office, having a principle place of business at 1235 La Plata Highway, Farmington, New Mexico, 87401. Hereby petitions the Navajo Nation, and respectfully files under the terms and provisions of the Act of February 5, 1948 (62 Stat. 17; 25 USC 323-328), and Bureau of Indian Affairs Departmental Regulations 25 C.F.R., Ch. 1, Subchapter H, Part 169, Subpart C § 169.102(a), as applicable, a request for consent to a grant of Permanent Easement for Right-of-Way (ROW), over, under, across and through Navajo Nation Tribal Trust Lands located in the area of Sanostee, Two Grey Hills, Newcomb, Sheep Springs, and Naschitti Navajo Tribal Chapters that are located in San Juan County, New Mexico.

2. **Tract(s) or parcel(s) affected by the right-of-way:**

Landowner Name: Navajo Nation

Tracts and Parcels:

- a. **Tract No. 791 T-8079 – Parcel No. RCH 4C – Tribal Trust – 01(P)**, a Permanent Easement for Right-of-Way, located in Township 26 North, Range 18 West, Sections 14, 23, 26, and 35; N.M.P.M., San Juan County, New Mexico.
- b. **Tract No. 791 T-8100 – Parcel No. RCH 4C – Tribal Trust – 01(P)**, a Permanent Easement for Right-of-Way, located in Township 25 North, Range 18 West, Section 02; N.M.P.M., San Juan County, New Mexico.
- c. **Tract No. 791 T-8100 – Parcel No. RCH 6 – Tribal Trust – 01(P)**, a Permanent Easement for Right-of-Way, located in Township 25 North, Range 18 West, Sections 02, 11, 13, 14, 24, 25, and 36, N.M.P.M., San Juan County, New Mexico.
- d. **Tract No. 791 T-8105 – Parcel No. RCH 6 – Tribal Trust – 01(P)**, a Permanent Easement for Right-of-Way, located in Township 24 North, Range 18 West, Sections 01, 12, 13, 24, and 25, N.M.P.M., San Juan County, New Mexico.
- e. **Tract No. 791 T-8105 – Parcel No. RCH 7 – Tribal Trust – 01(P)**, a Permanent Easement for Right-of-Way, located in Township 24 North, Range 18 West, Sections 25, and 36, N.M.P.M., San Juan County, New Mexico.
- f. **Tract No. 791 T-8126 – Parcel No. RCH 7 – Tribal Trust – 01(P)**, a Permanent Easement for Right-of-Way, located in Township 23 North, Range 18 West, Sections 01, 12, 13, 24, 25, and 36, N.M.P.M., San Juan County, New Mexico.
- g. **Tract No. 791 T-8131 – Parcel No. RCH 8 – Tribal Trust – 01(P)**, a Permanent Easement for Right-of-Way, located in Township 22 North, Range 18 West, Sections 01, 12, 13, 24, and 25, N.M.P.M., San Juan County, New Mexico.

- h. **Tract No. 791 T-8130 – Parcel No. RCH 8 – Tribal Trust – 01(P)**, a Permanent Easement for Right-of-Way, located in Township 22 North, Range 17 West, Sections 30, and 31, N.M.P.M., San Juan County, New Mexico.
- i. **Tract No. 791 T-8153 – Parcel No. RCH 8 – Tribal Trust – 01(P)**, a Permanent Easement for Right-of-Way, located in Township 21 North, Range 17 West, Sections 06, 07, and 08, N.M.P.M., San Juan County, New Mexico.

3. **General Location:**

- a. **Parcel No. RCH 4C – Tribal Trust – 01(P)**, a Permanent Easement for ROW, being described as a parcel of land crossing Navajo Nation Tribal Trust land, lying in Township 26 North, Range 18 West, Sections 14, 23, 26, and 35; and Township 25 North, Range 18 West, Section 02, N.M.P.M., San Juan County, New Mexico, located in the area of the Sanostee Navajo Tribal Chapter.
- b. **Parcel No. RCH 6 - Tribal Trust - (P)**, a Permanent Easement for ROW, being described as a parcel of land crossing Navajo Nation Tribal Trust Land lying in Township 25 North, Range 18 West, Sections 02, 11, 12, 13, 14, 24, 25, and 36; and Township 24 North, Range 18 West, Sections 01, 12, 13, 24, and 25, N.M.P.M., San Juan County, New Mexico., located in the area of the Sanostee, Two Grey Hills, and Newcomb Navajo Tribal Chapters.
- c. **Parcel No. RCH 7 - Tribal Trust - (P)**, a Permanent Easement for ROW, being described as a parcel of land crossing Navajo Nation Tribal Trust Land lying in Township 24 North, Range 18 West, Sections 25, and 36; and, Township 23 North, Range 18 West, Sections 01, 12, 13, 24, 25, and 36, N.M.P.M., San Juan County, New Mexico, located in the area of the Newcomb and Sheep Springs Navajo Tribal Chapters.
- d. **Parcel No. RCH 8 - Tribal Trust - (P)**, a Permanent Easement for ROW, being described as a parcel of land crossing Navajo Nation Tribal Trust Land lying in Township 22 North, Range 18 West, Sections 01, 12, 13, 24, and 25, and Township 22 North, Range 17 West, Sections 30, and 31; and Township 21 North, Range 17 West, Sections 06, 07, and 08, N.M.P.M., San Juan County, New Mexico, located in the area of the Sheep Springs and Naschitti Navajo Tribal Chapter.

The Reach 4C-8 pipeline alignment, is illustrated on the attached Reach 4C-8 Feasibility Map dated 05-14-18.

- 4. **Purpose:** The Omnibus Public Land Management Act of 2009, Title X, Part III (Public Law 111-11) (Act) authorizes the Bureau of Reclamation to construct the Navajo-Gallup Water Supply Project (NGWSP) that includes water treatment plants, pipeline, several pumping stations and ancillary facilities. Once completed, the NGWSP will deliver a reliable source of potable water, sourced from the San Juan River, to Navajo communities in northwestern New Mexico, the City of Gallup, NM, and the southwest portion of the Jicarilla Apache Reservation for municipal and industrial use. The NGWSP will connect to existing and future water distribution systems operated on the reservation by the Navajo Tribal Utility Authority (NTUA), and in Gallup, by the City of Gallup. The high quality, treated water provided by the NGWSP will bring immediate benefits, including improved health and well-being to tribal members.
- 5. **ROW:** The Permanent Easement for ROW (ROW) will be used for the construction, operation, maintenance and/or replacement of a 48 inch I.D., or smaller, water transmission pipeline with ancillary features and appurtenances thereto, that are necessary for the safe and efficient operation

of the pipeline. Ancillary appurtenances may include but are not limited to vaults, valves, fiber optic supervisory control and data acquisition systems (SCADA), cathodic protection systems, single phase utility power to support the operation of the pipeline infrastructure, and a patrol road.

6. ROW Descriptions Reaches 4C-8:

- a. **Parcel No. RCH 4C-Tribal Trust-01(P)**: a Permanent Easement for ROW, is described as a strip of land crossing Navajo Nation Tribal Trust Lands in BIA Tract No. T791-8079, and Tract No. T791-8100, being approximately 21,372.31 feet (4.05 miles) in length and 80 feet wide, lying 40 feet each side of the pipeline centerline, containing 39.25 acres more or less. Reach 4C will begin at station 41965+00.00, located in Section 14, Township 26 North, Range 18 West, and will terminate at station 42178+72.31, located in Section 2, Township 25 North, Range 18 West, N.M.P.M., San Juan County, New Mexico, in the area of the Sanostee Navajo Tribal Chapter. The pipeline centerline is illustrated on ROW Drawing No. 1695-529-60174, and Plan and Profile Drawings No.'s 1695-D-T50296 to 1695-D-T49231, (Sheet No. 2 through Sheet No. 6), that are attached hereto, and by reference made a part hereof. Reach 4C will be joined to Reach 06 at Station 6001+00.00.

Legal Description of ROW - Parcel No. RCH 4C-Tribal Trust-01(P): Pipeline - Dwg No. 1695-529-60174: Point of Beginning being Reach 4C station 41965+00.00 from which the Northeast corner of said Section 14 bears North 30°56'15" East a distance of 2895.96 feet; thence, from the point of beginning, South 02° 27' 24" East a distance of 2786.21 feet to station 41992+86.21, a point on the North line of said Section 23, from which the Northeast corner of said Section 23 bears South 89° 28' 03" East a distance of 1322.20 feet; thence continuing along the same bearing South 02° 27' 24" East a distance of 793.28 feet to station 42000+79.49; thence South 08° 52' 38" West a distance of 178.14 feet to station 42002+57.63; thence South 02° 22' 22" East a distance of 248.17 feet to station 42005+05.80; thence South 13° 22' 14" East a distance of 179.45 feet to station 42006+85.26; thence South 02° 07' 14" East a distance of 3894.00 feet to station 42045+79.26, a point on the North line of said Section 26, from which the Northeast corner of said Section 26 bears South 89° 28' 30" East a distance of 1075.08 feet; thence continuing along the same bearing South 02° 07' 14" East a distance of 1656.28 feet to station 42062+35.54; thence South 07° 52' 57" East a distance of 3664.97 feet to station 42099+00.50, a point on the North line of said Section 35, from which the Northeast corner of said Section 35 bears South 89° 27' 49" East a distance of 462.94 feet; thence continuing along the same bearing South 07° 52' 57" East a distance of 40.07 feet to station 42099+40.57; thence South 03° 22' 03" West a distance of 1530.30 feet to station 42114+70.87; thence South 02° 04' 25" East a distance of 1071.88 feet to station 42125+42.75; thence South 01° 14' 09" West a distance of 950.73 feet to station 42134+93.48; thence South 41° 22' 57" East a distance of 205.72 feet to station 42136+99.20; thence South 03° 37' 03" West a distance of 1539.81 feet to station 42152+39.01, a point on the North line of said Section 2, from which the Northeast corner of said Section 2 bears South 89° 28' 32" East a distance of 442.96 feet; thence continuing along the same bearing South 03° 37' 03" West a distance of 277.34 feet to station 42155+16.35; thence South 07° 37' 57" East a distance of 1268.03 feet to station 42167+84.38; thence South 02° 07' 30" East a distance of 392.54 feet to station 42171+76.92; thence South 09° 07' 30" West a distance of 252.03 feet to station 42174+28.95; thence South 02° 07' 30" East a distance of 263.91 feet to station 42176+92.86; thence South 13° 22' 30" East a distance of 179.45 feet to station 42178+72.31, the point of Terminus, from which the Northeast corner of said Section 2 bears North 05° 49' 29" East a distance of 2622.49 feet.

Parcel No. RCH 4C-Tribal Trust-01(P) is approximately 21,372.31 feet (4.05 miles) in length and 80 feet wide, and contains 39.25 acres, more or less.

- b. **Parcel No. RCH 6-Tribal Trust-01(P)**, a Permanent Easement for ROW, being described as a strip of land crossing Navajo Nation Tribal Trust Lands in BIA Tract No.'s 791 T-8100 and 791-T-8105, being approximately 52,376.56 feet (9.92 miles) in length and 80 feet wide, lying 40 feet each side of the pipeline centerline, containing 96.19 acres more or less. Reach 6 will begin at station 6001+00.00, located in Section 02, Township 25 North, Range 18 West, and will terminate at Station 6524+76.56, located in Section 25, Township 24 North, Range 18 West, N.M.P.M., San Juan County, New Mexico, in the area of the Sanostee, Two Grey Hills, and Newcomb Navajo Tribal Chapters. The pipeline centerline is illustrated on ROW Drawing No.'s 1695-529-60175 and 1695-529-60176, and Plan and Profile Drawing No.'s 1695-D-T49238 through 1695-D-T49265 (Sheet No. 7 through Sheet No. 17), that are attached hereto, and by reference made a part hereof. Reach 6 will be joined to Reach 7 at Station 7001+00.00.

Legal Description of ROW - Parcel No. RCH 6-Tribal Trust-01(P): Pipeline - Dwg. No.'s 1695-529-60175 and 1695-529-60176: Point of Beginning being Reach 6 station 6001+00.00 from which the East quarter corner of said Section 02 bears South 83°05'22" East a distance of 239.22 feet; thence, from the point of beginning, South 02° 07' 30" East a distance of 594.83 feet to station 6006+94.83; thence South 09° 07' 30" West a distance of 179.45 feet to station 6008+74.29; thence South 02° 07' 30" East a distance of 1896.89 feet to station 6027+71.18, a point on the North line of said Section 11, from which the Northeast corner of said Section 11 bears South 89° 28' 13" East a distance of 147.82 feet; thence continuing along the same bearing South 02° 07' 30" East a distance of 2485.20 feet to station 6052+56.38; thence South 20° 15' 27" West a distance of 570.81 feet to station 6058+27.20; thence South 02° 14' 33" East a distance of 2262.89 feet to station 6080+90.08, a point on the North line of said Section 14, from which the Northeast corner of said Section 14 bears South 89° 28' 06" East a distance of 117.35 feet; thence continuing along the same bearing South 02° 14' 33" East a distance of 2436.43 feet to station 6105+26.51, a point on the East line of said Section 14, from which the Northeast corner of said Section 14 bears North 00° 31' 05" East a distance of 2433.58 feet; thence continuing along the same bearing South 02° 14' 33" East a distance of 2850.21 feet to station 6133+76.72, a point on the North line of said Section 24, T25N, from which the Northwest corner of said Section 24, T25N bears North 89° 27' 50" West a distance of 136.79 feet; thence continuing along the same bearing South 02° 14' 33" East a distance of 4787.63 feet to station 6181+64.35; thence South 13° 29' 33" East a distance of 513.66 feet to station 6186+78.01, a point on the North line of said Section 25 T25N, from which the Northwest corner of said Section 25, T25N bears North 89° 27' 53" West a distance of 490.97 feet; thence continuing along the same bearing South 13° 29' 33" East a distance of 1079.19 feet to station 6197+57.20; thence South 24° 44' 33" East a distance of 4681.31 feet to station 6244+38.50, a point on the North line of said Section 36, T25N, from which the Northeast corner of said Section 36, T25N bears South 89° 27' 41" East a distance of 2531.33 feet; thence continuing from station 6244+38.50 along the same bearing South 24° 44' 33" East a distance of 486.80 feet to station 6249+25.30; thence South 11° 09' 28" East a distance of 3322.18 feet to station 6282+47.48; thence South 11° 20' 32" West a distance of 1614.50 feet to station 6298+61.98, a point on the North line of said Section 01, from which the Northeast corner of said Section 01 bears South 89° 28' 18" East a distance of 1787.05 feet; thence continuing along the same bearing South 11° 20' 32" West a distance of 2568.76 feet to station 6324+30.74; thence South 03° 35' 56" West a distance of 2360.49 feet to station 6347+91.23; thence South 07° 39' 04" East a distance of 277.43 feet to station 6350+68.66, a point on the North line of said Section 12, from which the Northeast corner of said Section 12 bears South 89° 30' 58" East a distance of 2356.03 feet; thence continuing along the same bearing South 07° 39' 04" East a distance of 1318.91 feet to station 6363+87.57; thence South 35° 33' 02" West a distance of 365.29 feet to station 6367+52.86; thence South 07° 39' 04" East a distance of 887.96 feet to station

6376+40.82; thence South 41° 10' 34" East a distance of 365.42 feet to station 6380+06.24; thence South 06° 41' 17" West a distance of 779.02 feet to station 6387+85.26; thence South 15° 48' 43" East a distance of 317.07 feet to station 6391+02.33; thence South 04° 33' 43" East a distance of 1450.38 feet to station 6405+52.71, a point on the North line of said Section 13, T24N, from which the Northeast corner of said Section 13, T24N bears South 89° 30' 37" East a distance of 1874.92 feet; thence continuing along the same bearing South 04° 33' 43" East a distance of 2717.71 feet to station 6432+70.42; thence South 15° 48' 43" East a distance of 1281.80 feet to station 6445+52.22; thence South 04° 33' 43" East a distance of 877.22 feet to station 6454+29.44; thence South 15° 48' 43" East a distance of 179.45 feet to station 6456+08.90; thence South 04° 33' 43" East a distance of 248.25 feet to station 6458+57.15; thence South 40° 26' 17" West a distance of 64.59 feet to station 6459+21.74, a point on the North line of said Section 24, T24N, from which the Northeast corner of said Section 24, T24N bears South 89° 30' 27" East a distance of 1165.56 feet; thence continuing along the same bearing South 40° 26' 17" West a distance of 295.30 feet to station 6462+17.04; thence South 04° 33' 43" East a distance of 1396.52 feet to station 6476+13.56; thence South 27° 03' 43" East a distance of 573.50 feet to station 6481+87.06; thence South 04° 33' 43" East a distance of 1284.77 feet to station 6494+71.83; thence South 15° 48' 43" East a distance of 179.45 feet to station 6496+51.28; thence South 04° 33' 43" East a distance of 412.37 feet to station 6500+63.66; thence South 06° 41' 17" West a distance of 179.45 feet to station 6502+43.11; thence South 04° 32' 57" East a distance of 847.68 feet to station 6510+90.79; thence South 21° 15' 31" West a distance of 287.18 feet to station 6513+77.97, a point on the North line of said Section 25, T24N, from which the Northeast corner of said Section 25, T24N bears South 89° 30' 23" East a distance of 812.81 feet; thence continuing along the same bearing South 21° 15' 31" West a distance of 550.62 feet to station 6519+28.59; thence South 04° 33' 42" East a distance of 547.97 feet to station 6524+76.56, the point of Terminus, from which the Northeast corner of said Section 25, T24N bears North 42° 38' 00" East a distance of 1430.44 feet.

Parcel No. RCH 6-Tribal Trust-01(P) is approximately 52,376.56 feet (9.92 miles) in length, and contains 96.19 acres more or less.

- c. **Parcel No. RCH 7-Tribal Trust-01(P)**, a Permanent Easement for ROW, being described as a strip of land crossing Navajo Nation Tribal Trust Lands in BIA Tract No.'s 791-T-8105 and 791-T-8126, being approximately 41,170.68 feet (7.80 miles) in length and 80 feet wide, lying 40 feet each side of the pipeline centerline, containing 75.61 acres more or less. Reach 7 will begin at Station 7001+00.00, located in Section 25, Township 24 North, Range 18 West, and will terminate at Station 7412+70.68, located in Section 36, Township 23 North, Range 18 West, N.M.P.M., San Juan County, New Mexico, in the area of the Newcomb and Sheep Springs Navajo Tribal Chapters. The pipeline centerline is illustrated on ROW Drawing No.'s 1695-529-60177 and 1695-529-60178, and Plan and Profile Drawing No.'s 1695-D-T48532 through 1695-D-T48726 (Sheet No. 18 through Sheet No. 26), that are attached hereto, and by reference made a part hereof. Reach 7 will be joined to Reach 8 at Station 8001+00.00.

Legal Description of ROW - Parcel No. RCH 7-Tribal Trust-01(P): Pipeline - Dwg. No.'s 1695-529-60177 and 1695-529-60178: Point of Beginning being Reach 7, station 7001+00.00 from which the West quarter corner of said Section 25, T24N bears South 70°25'06" West a distance of 4600.55 feet; thence, from the point of beginning, South 03° 44' 44" East a distance of 193.76 feet to station 7002+93.76; thence South 30° 24' 08" East a distance of 189.90 feet to station 7004+83.66; thence South 04° 33' 19" East a distance of 305.72 feet to station 7007+89.38; thence South 15° 48' 19" East a distance of 242.12 feet to station 7010+31.50; thence South 02° 54' 22" East a distance of 819.89 feet to station 7018+51.39; thence South 00° 40' 47" West a distance of 1452.50 feet to station 7033+03.89; thence South 11° 55' 47" West a distance of 179.40 feet to station 7034+83.29; thence

South 00° 40' 47" West a distance of 879.98 feet to station 7043+63.27, a point on the North line of said Section 36, T24N, from which the Northeast corner of said Section 36, T24N bears South 89° 29' 47" East a distance of 746.26 feet; thence continuing along the same bearing South 00° 40' 47" West a distance of 468.41 feet to station 7048+31.68; thence South 10° 34' 13" East a distance of 180.76 feet to station 7050+12.44; thence South 00° 36' 34" West a distance of 838.60 feet to station 7058+51.04; thence South 10° 38' 26" East a distance of 602.61 feet to station 7064+53.65; thence South 11° 51' 34" West a distance of 1139.32 feet to station 7075+92.97; thence South 04° 55' 38" West a distance of 2093.67 feet to station 7096+86.64, a point on the North line of said Section 01, from which the Northeast corner of said Section 01 bears South 89° 29' 50" East a distance of 983.44 feet; thence continuing along the same bearing South 04° 55' 38" West a distance of 2745.74 feet to station 7124+32.37; thence South 07° 48' 45" East a distance of 326.34 feet to station 7127+58.71; thence South 03° 26' 15" West a distance of 2222.93 feet to station 7149+81.64, a point on the North line of said Section 12, from which the Northeast corner of said Section 12 bears South 89° 29' 52" East a distance of 1260.88 feet; thence continuing along the same bearing South 03° 26' 15" West a distance of 3601.01 feet to station 7185+82.65; thence South 19° 03' 45" East a distance of 312.16 feet to station 7188+94.81; thence South 03° 26' 15" West a distance of 211.05 feet to station 7191+05.86; thence South 25° 56' 15" West a distance of 312.16 feet to station 7194+18.02; thence South 03° 26' 15" West a distance of 898.06 feet to station 7203+16.08, a point on the North line of said Section 13, from which the Northeast corner of said Section 13 bears South 89° 29' 49" East a distance of 1530.24 feet; thence continuing along the same bearing South 03° 26' 15" West a distance of 1156.95 feet to station 7214+73.03; thence South 19° 03' 45" East a distance of 513.58 feet to station 7219+86.61; thence South 03° 26' 15" West a distance of 641.25 feet to station 7226+27.86; thence South 25° 56' 15" West a distance of 513.58 feet to station 7231+41.44; thence South 03° 26' 15" West a distance of 1010.40 feet to station 7241+51.84; thence South 14° 48' 05" West a distance of 432.71 feet to station 7245+84.55; thence South 03° 26' 59" West a distance of 572.46 feet to station 7251+57.01; thence South 07° 48' 01" East a distance of 104.19 feet to station 7252+61.20; thence South 03° 26' 59" West a distance of 433.95 feet to station 7256+95.15, a point on the North line of said Section 24, from which the Northeast corner of said Section 24 bears South 89° 29' 39" East a distance of 1864.90 feet; thence continuing along the same bearing South 03° 26' 59" West a distance of 4738.42 feet to station 7304+33.57; thence South 14° 41' 59" West a distance of 105.95 feet to station 7305+39.52; thence South 03° 26' 59" West a distance of 444.41 feet to station 7309+83.93; thence South 07° 48' 01" East a distance of 1.29 feet to station 7309+85.22, a point on the North line of said Section 25, T23N, from which the Northeast corner of said Section 25, T23N bears South 89° 29' 28" East a distance of 2156.25 feet; thence continuing along the same bearing South 07° 48' 01" East a distance of 104.66 feet to station 7310+89.88; thence South 03° 26' 59" West a distance of 4951.42 feet to station 7360+41.30; thence South 13° 56' 51" West a distance of 260.57 feet to station 7363+01.87, a point on the North line of said Section 36, T23N, from which the Northeast corner of said Section 36, T23N, bears North 90° 00' 00" East a distance of 2455.39 feet; thence continuing along the same bearing South 13° 56' 51" West a distance of 230.32 feet to station 7365+32.19; thence South 02° 41' 51" West a distance of 584.78 feet to station 7371+16.97; thence South 07° 48' 48" East a distance of 349.59 feet to station 7374+66.56; thence South 03° 26' 12" West a distance of 2548.04 feet to station 7400+14.60; thence South 07° 48' 48" East a distance of 167.42 feet to station 7401+82.02; thence South 03° 26' 12" West a distance of 1088.66 feet to station 7412+70.68, the point of Terminus, from which the Southeast corner of said Section 36, T23N bears South 82° 52' 33" East a distance of 2659.44 feet.

Parcel No. RCH 7-Tribal Trust-01(P) is approximately 41,170.68 feet (7.80 miles) in length, and contains 75.61 acres, more or less.

- d. **Parcel No. RCH 8-Tribal Trust-01(P)**, a Permanent Easement for ROW, being described as a strip of land crossing Navajo Nation Tribal Trust Lands in BIA Tract No.'s 791-T-8131, 791-T-8130, and 791-T-8153, being approximately 41,407.56 feet (7.84 miles) in length and of varying width, containing 76.83 acres more or less. Reach 8 will begin at Station 8001+00.00, located in Section 01, Township 22 North, Range 18 West, and will terminate at Station 8415+07.56, located in Section 08, Township 21 North, Range 17 West, N.M.P.M., San Juan County, New Mexico, in the area of the Sheep Springs and Naschitti Navajo Tribal Chapters. The pipeline centerline is illustrated on ROW Drawing No.'s 1695-529-60179 and 1695-529-60180, and Plan and Profile Drawing No.'s 1695-D-T48789 through 1695-D-T49191 (Sheet No. 27 through Sheet No. 35), that are attached hereto, and by reference made a part hereof. Reach 8 will be joined to Reach 9A at Station 90000+00.00.

ROW Description - Parcel No. RCH 8-Tribal Trust-01(P): Pipeline - Dwg. No.'s 1695-529-60179 and 1695-529-60180: A strip of land being 80 feet wide, lying 40 feet each side from station 8001+00.00 to station 8030+00.00; thence being 150 feet wide, lying 75 feet each side from station 8030+00.00 to station 8033+50.00; thence being 80 feet wide, lying 40 feet each side from station 8033+50.00 to station 8106+50.00; thence being 115 feet wide, lying 40 feet to the west side and 75 feet to the east side from station 8106+50.00 to station 8108+25.00; thence being 80 feet wide, lying 40 feet each side from station 8108+25.00 to station 8125+00.00; thence being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 8125+00.00 to station 8125+84.62; thence being 80 feet wide, lying 40 feet each side from station 8125+84.62 to station 8126+84.65; thence being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 8126+84.65 to station 8127+00.00; thence being 80 feet wide, lying 40 feet each side from station 8127+00.00 to station 8415+07.56.

Legal Description of ROW - Parcel No. RCH 8-Tribal Trust-01(P): Pipeline - Dwg. No.'s 1695-529-60179 and 1695-529-60180: Point of Beginning being Reach 8 station 8001+00.00 from which the Northeast corner of said Section 01, bears North 86°14'19" East a distance of 2481.94 feet; thence South 03° 40' 31" West a distance of 155.03 feet to station 8002+55.03; thence South 14° 41' 15" West a distance of 358.61 feet to station 8006+13.64; thence South 30° 18' 45" East a distance of 171.01 feet to station 8007+84.65; thence South 03° 26' 15" West a distance of 3613.17 feet to station 8043+97.81; thence South 10° 46' 05" East a distance of 854.64 feet to station 8052+52.45, a point on the North line of said Section 12, from which the Northeast corner of said Section 12 bears South 89° 30' 19" East a distance of 2500.93 feet; thence continuing along the same bearing South 10° 46' 05" East a distance of 513.38 feet to station 8057+65.84; thence South 33° 16' 05" East a distance of 603.46 feet to station 8063+69.30; thence South 10° 46' 05" East a distance of 657.01 feet to station 8070+26.30; thence South 11° 43' 55" West a distance of 653.47 feet to station 8076+79.77; thence South 10° 46' 05" East a distance of 1360.69 feet to station 8090+40.47; thence South 00° 28' 55" West a distance of 179.46 feet to station 8092+19.92; thence South 10° 46' 05" East a distance of 1505.85 feet to station 8107+25.77, a point on the North line of said Section 13, from which the Northeast corner of said Section 13 bears South 89° 30' 20" East a distance of 1508.63 feet; thence continuing along the same bearing South 10° 46' 05" East a distance of 191.64 feet to station 8109+17.41; thence South 53° 57' 17" East a distance of 461.32 feet to station 8113+78.74; thence South 08° 57' 17" East a distance of 290.22 feet to station 8116+68.96; thence South 05° 03' 28" East a distance of 492.50 feet to station 8121+61.46; thence South 02° 58' 28" East a distance of 856.43 feet to station 8130+17.88; thence South 01° 12' 06" West a distance of 2838.51 feet to station 8158+56.39; thence South 12° 27' 06" West a distance of 362.17 feet to station 8162+18.56, a point on the North line of said Section 24, from which the Northeast corner of said Section 24 bears South 89° 30' 34" East a distance of 1056.88 feet; thence continuing along the

same bearing South 12° 27' 06" West a distance of 151.79 feet to station 8163+70.35; thence South 01° 12' 06" West a distance of 535.46 feet to station 8169+05.81; thence South 32° 32' 54" East a distance of 431.41 feet to station 8173+37.23; thence South 03° 45' 18" East a distance of 2654.49 feet to station 8199+91.71; thence South 23° 42' 06" West a distance of 384.47 feet to station 8203+76.18; thence South 01° 12' 06" West a distance of 179.47 feet to station 8205+55.66; thence South 43° 47' 54" East a distance of 318.65 feet to station 8208+74.31; thence South 01° 12' 06" West a distance of 552.27 feet to station 8214+26.58; thence South 08° 55' 19" West a distance of 276.39 feet to station 8217+02.97, a point on the North line of said Section 25, from which the Northeast corner of said Section 25 bears South 89° 29' 53" East a distance of 639.27 feet; thence continuing along the same bearing South 08° 55' 19" West a distance of 151.41 feet to station 8218+54.38; thence South 24° 49' 41" East a distance of 253.20 feet to station 8221+07.58; thence South 02° 19' 41" East a distance of 876.78 feet to station 8229+84.36; thence South 39° 40' 32" West a distance of 379.28 feet to station 8233+63.65; thence South 05° 19' 28" East a distance of 717.80 feet to station 8240+81.45; thence South 47° 19' 41" East a distance of 533.22 feet to station 8246+14.67; thence South 24° 49' 41" East a distance of 317.91 feet to station 8249+32.57; thence South 20° 10' 19" West a distance of 254.37 feet to station 8251+86.94; thence South 24° 49' 32" East a distance of 537.48 feet to station 8257+24.42, a point on the East line of said Section 25, from which the Southeast corner of said Section 25 bears South 00° 31' 10" West a distance of 1646.92 feet; thence continuing along the same bearing South 24° 49' 32" East a distance of 7.88 feet to station 8257+32.30; thence South 13° 34' 08" East a distance of 587.53 feet to station 8263+19.83; thence South 24° 47' 57" East a distance of 1183.63 feet to station 8275+03.45, a point on the North line of said Section 31, T22N, R17W, from which the Northwest corner of said Section 31 bears North 89° 28' 53" West a distance of 750.05 feet; thence South 24° 49' 43" East a distance of 2384.80 feet to station 8298+88.25; thence South 11° 23' 13" East a distance of 393.44 feet to station 8302.81.69; thence South 24° 44' 37" East a distance of 2785.01 feet to station 8330+66.70; thence South 22° 04' 29" East a distance of 239.54 feet to station 8333+06.24, a point on the North line of said Section 06, from which the Northeast corner of said Section 06 bears South 89° 29' 00" East a distance of 2206.18 feet; thence continuing along the same bearing South 22° 04' 29" East a distance of 263.75 feet to station 8335+69.99; thence South 19° 38' 10" East a distance of 491.25 feet to station 8340+61.25, thence South 17° 26' 33" East a distance of 1786.21 feet to station 8358+47.46; thence bearing South 17° 28' 58" East a distance of 2152.92 feet to station 8380+00.38; thence South 28° 37' 11" East a distance of 387.32 feet to station 8383+87.71; thence bearing South 17° 22' 11" East a distance of 514.89 feet to station 8389+02.60; a point on the North line of said Section 07, from which the Northeast corner of said Section 07 bears South 89° 29' 27" East a distance of 376.53 feet; thence continuing along the same bearing South 17° 22' 11" East a distance of 667.63 feet to station 8395+70.23; thence South 28° 37' 11" East a distance of 176.80 feet to station 8397+47.03; thence South 17° 20' 24" East a distance of 282.94 feet to station 8400+29.97, a point on the West line of said Section 08, from which the Northwest corner of said Section 08 bears North 00° 26' 35" East a distance of 1059.15 feet; thence continuing along the same bearing South 17° 20' 24" East a distance of 1477.59 feet to station 8415+07.56, the point of Terminus, from which the West quarter corner of said Section 08 bears South 69° 22' 55" West a distance of 483.58 feet.

Parcel No. RCH 8-Tribal Trust-01(P) is approximately 41407.56 feet (7.84 miles) in length, and contains 76.83 acres, more or less.

7. **Term:** Reclamation requests a grant of Permanent Easement for Right-of-Way (ROW) without limitation in term, and as long as the easement is used for the intended purpose.

8. **Ownership of Permanent Improvements:** Reaches 4C through 8 of the NGWSP across Navajo Nation Tribal Trust land, BIA Tribal Tract No.'s: 791 T-8079, 791 T-8100, 791 T-8105, 791 T-8126, 791 T-8130, 791 T-8131, and 791 T-8153, will consist of approximately 156,327.11 linear feet (29.61 miles), of 48 inch or less I.D. water transmission pipeline with ancillary features and appurtenances, constructed and owned by the Bureau of Reclamation. It is Reclamation's intent to transfer the operation, maintenance, and replacement (OM&R) responsibility of the Project to the NTUA. It is envisioned that Reclamation would retain title to the facilities for the foreseeable future, however, the Act does provide authority for eventual title transfer to the Navajo Nation.
9. **Construction Schedule:**
Obtain ROW: July 1, 2019
Obtain Bids and Establish Contracts: April 29, 2019
Award Contract: July 8, 2019
Notice to Proceed Issue: July 29, 2019
Begin Construction: August 12, 2019
Construction 50% Completed by: October, 2020
Construction Complete: October 25, 2021

Required Supporting Documents - §169.102(b)

1. Legal Description:
Parcel No. RCH 4C-Tribal Trust-01(P)(T) - CD
Parcel No. RCH 6-Tribal Trust-01(P)(T) - CD
Parcel No. RCH 7-Tribal Trust-01(P)(T) - CD
Parcel No. RCH 8-Tribal Trust-01(P)(T) - CD
2. ROW Drawing No. 1695-529-60174 - Parcel No. RCH 4C-01-Tribal Trust (P)(T) (CD)
ROW Drawing No. 1695-529-60175 - Parcel No. RCH 6-01-Tribal Trust (P)(T) (CD)
ROW Drawing No. 1695-529-60176 - Parcel No. RCH 6-01-Tribal Trust (P)(T) (CD)
ROW Drawing No. 1695-529-60177 - Parcel No. RCH 7-01-Tribal Trust (P)(T) (CD)
ROW Drawing No. 1695-529-60178 - Parcel No. RCH 7-01-Tribal Trust (P)(T) (CD)
ROW Drawing No. 1695-529-60179 - Parcel No. RCH 8-01-Tribal Trust (P)(T) (CD)
ROW Drawing No. 1695-529-60180 - Parcel No. RCH 7-01-Tribal Trust (P)(T) (CD)
Plan and Profile Drawings - No. 1695-D-T50296 thru 1695-D-T49191 (CD)
Plan and Profile Drawings - Reach 4C - No. 1695-D-50296 thru 1695-D-49231 (CD)
Plan and Profile Drawing - Reach 6 - No. 1695-D-49238 thru 1695-D-T49265 (CD)
Plan and Profile Drawing - Reach 7 - No. 1695-D-48532 thru 1695-D-48726 (CD)
Plan and Profile Drawing - Reach 8 - No. 1695-D-48789 thru 1695-D-49191 (CD)
Map - Block 4C-8 Overall Pipeline Alignment - Dated 05-15-18 (CD)
Map - Reach 4C Pipeline Alignment - Sheets 1-6 - Dated 05-15-18 (CD)
Map - Reach 6 Pipeline Alignment - Sheets 1-12 - Dated 05-15-18 (CD)
Map - Reach 7 Pipeline Alignment - Sheets 1-10 - Dated 05-15-18 (CD)
Map - Reach 8 Pipeline Alignment - Sheets 1-10 - Dated 05-15-18 (CD)
NGWSP Project Map - Drawing No. 1695-529-50000 - Dated 03-16-18 (CD)
3. Waiver of Bonding Requirement - 25 CFR § 169.103 - Dated 12-20-16 (CD)
Letter - Navajo Nation Support Waiver of 25 CFR § 169.103 - Dated 09-09-16 (CD)

4. Permission to Survey – Reach 3-9 - 09-17-09 (CD)
Permission to Survey – San Juan Lateral - 03-01-10 (CD)
Permission to Conduct Engineering Data Collection – San Juan Lateral – Dated 10-05-16 (CD)
Navajo Nation Executive Order No. 07-2017 in Support of the NGWSP – Dated 05-22-17 (CD)
Chapter Resolution – Naschitti – NAS-17-11-011 – Signed 11-06-16 (CD)
Chapter Resolution – Newcomb – NWCB-04917-066 - Signed 04-09-17 (CD)
Chapter Resolution – Sanostee – TAT 17-05-47 - Signed 05-21-17 (CD)
Chapter Resolution – Sheep Springs – TC-2017-0191 - Signed 02-19-17 (CD)
Chapter Resolution – Toadlena and Two Grey Hills – TDLA-TGH-17-06-08-09 – Signed 06-08-17 (CD)
Reaches 4C thru 8 Title Status Reports
5. Valuation:
Memo - BIA Waiver for Appraisal and Compensation - 25 CFR Part 169.12 – Dated 06-29-07 (CD)
6. Organizational Documents: Not Applicable, Applicant is United States DOI - BOR.
7. Biological, Cultural Resource and Environmental Documentation:
Class III Inventory and Determination of Eligibility - NHPA – Dated 10-11-16 (CD)
Phase I Environmental Site Assessment for Reaches 4C-8 - Dated October 2017 (CD)
Memo - BIA - Acceptable NEPA and NHPA Sufficiency Documentation - Cultural Resources - Dated 10-29-2015 (CD)
Final Environmental Impact Statement and Record of Decision can be viewed at:
<http://www.usbr.gov/uc/envdocs/eis/navgallup/FEIS/index.html>

THE APPLICANT FURTHER STIPULATES AND EXPRESSLY AGREES AS FOLLOWS:

To conform and to abide by all applicable requirements with respect to the right-of-way herein applied for. The applicant agrees to conform to and abide by the rules, regulations, and requirements contained in the Code of Federal Regulations, Title 25 Indians, Part 169, as amended, and by reference includes such rules, regulations and requirements as a part of this application as if the same were herein set out in full.

Applicant Point of Contact Information:

Name: Michael (Mike) Braman
Address: 1235 La Plata Highway
Farmington, New Mexico, 87401
Phone: 505-324-5024
E-mail: mbraman@usbr.gov

Date: 7/2/2018

Applicant Signature: [Signature]

Print Name: Braman, Michael

**Legal Description – Permanent Right-of-Way
Navajo Nation Trust Lands – NGWSP Reach 4C
Drawing No. 1695-529-60174**

Navajo-Gallup Water Supply Project - Reach 4C- Parcel No. RCH 4C-Tribal Trust-01(P) - Permanent Right-of-Way

A parcel of land crossing Navajo Nation, Tribal Trust Land lying in sections 14, 23, 26, and 35, Township 26 North, Range 18 West; and Section 2, Township 25 North, Range 18 West; N.M.P.M., San Juan County, New Mexico. More particularly described as follows:

A strip of land being 80 feet wide, lying 40 feet each side from station 41965+00.00 to station 42178+72.31 of the following described centerline:

Point of Beginning being Reach 4C station 41965+00.00 from which the Northeast corner of said Section 14 bears North 30°56'15" East a distance of 2895.96 feet; thence, from the point of beginning, South 02° 27' 24" East a distance of 2786.21 feet to station 41992+86.21, a point on the North line of said Section 23, from which the Northeast corner of said Section 23 bears South 89° 28' 03" East a distance of 1322.20 feet; thence continuing along the same bearing South 02° 27' 24" East a distance of 793.28 feet to station 42000+79.49; thence South 08° 52' 38" West a distance of 178.14 feet to station 42002+57.63; thence South 02° 22' 22" East a distance of 248.17 feet to station 42005+05.80; thence South 13° 22' 14" East a distance of 179.45 feet to station 42006+85.26; thence South 02° 07' 14" East a distance of 3894.00 feet to station 42045+79.26, a point on the North line of said Section 26, from which the Northeast corner of said Section 26 bears South 89° 28' 30" East a distance of 1075.08 feet; thence continuing along the same bearing South 02° 07' 14" East a distance of 1656.28 feet to station 42062+35.54; thence South 07° 52' 57" East a distance of 3664.97 feet to station 42099+00.50, a point on the North line of said Section 35, from which the Northeast corner of said Section 35 bears South 89° 27' 49" East a distance of 462.94 feet; thence continuing along the same bearing South 07° 52' 57" East a distance of 40.07 feet to station 42099+40.57; thence South 03° 22' 03" West a distance of 1530.30 feet to station 42114+70.87; thence South 02° 04' 25" East a distance of 1071.88 feet to station 42125+42.75; thence South 01° 14' 09" West a distance of 950.73 feet to station 42134+93.48; thence South 41° 22' 57" East a distance of 205.72 feet to station 42136+99.20; thence South 03° 37' 03" West a distance of 1539.81 feet to station 42152+39.01, a point on the North line of said Section 2, from which the Northeast corner of said Section 2 bears South 89° 28' 32" East a distance of 442.96 feet; thence continuing along the same bearing South 03° 37' 03" West a distance of 277.34 feet to station 42155+16.35; thence South 07° 37' 57" East a distance of 1268.03 feet to station 42167+84.38; thence South 02° 07' 30" East a distance of 392.54 feet to station 42171+76.92; thence South 09° 07' 30" West a distance of 252.03 feet to station 42174+28.95; thence South 02° 07' 30" East a distance of 263.91 feet to station 42176+92.86; thence South 13° 22' 30" East a distance of 179.45 feet to station 42178+72.31, the point of Terminus, from which the Northeast corner of said Section 2 bears North 05° 49' 29" East a distance of 2622.49 feet.

Parcel No. RCH 4C-Tribal Trust-01(P) contains 39.25 acres, more or less.

**Legal Description – Permanent Right-of-Way
Navajo Nation Trust Lands – NGWSP Reach 6
Drawing No.'s 1695-529-60175 and 1695-529-60176**

Navajo-Gallup Water Supply Project - Parcel No. RCH 6-Tribal Trust-01(P) - Permanent Right-of-Way

A parcel of land crossing Navajo Nation, Tribal Trust Land lying in sections 02, 11, 12, 13, 14, 24, 25, and 36, Township 25 North, Range 18 West; and Section 01, 12, 13, 24 and 25, Township 24 North, Range 18 West; N.M.P.M., San Juan County, New Mexico. More particularly described as follows:

A strip of land being 80 feet wide, lying 40 feet to each side from station 6001+00.00 to station 6524+76.56 of the following described centerline:

Point of Beginning being Reach 6 station 6001+00.00 from which the East quarter corner of said Section 02 bears South 83°05'22" East a distance of 239.22 feet; thence, from the point of beginning, South 02° 07' 30" East a distance of 594.83 feet to station 6006+94.83; thence South 09° 07' 30" West a distance of 179.45 feet to station 6008+74.29; thence South 02° 07' 30" East a distance of 1896.89 feet to station 6027+71.18, a point on the North line of said Section 11, from which the Northeast corner of said Section 11 bears South 89° 28' 13" East a distance of 147.82 feet; thence continuing along the same bearing South 02° 07' 30" East a distance of 2485.20 feet to station 6052+56.38; thence South 20° 15' 27" West a distance of 570.81 feet to station 6058+27.20; thence South 02° 14' 33" East a distance of 2262.89 feet to station 6080+90.08, a point on the North line of said Section 14, from which the Northeast corner of said Section 14 bears South 89° 28' 06" East a distance of 117.35 feet; thence continuing along the same bearing South 02° 14' 33" East a distance of 2436.43 feet to station 6105+26.51, a point on the East line of said Section 14, from which the Northeast corner of said Section 14 bears North 00° 31' 05" East a distance of 2433.58 feet; thence continuing along the same bearing South 02° 14' 33" East a distance of 2850.21 feet to station 6133+76.72, a point on the North line of said Section 24, T25N, from which the Northwest corner of said Section 24, T25N bears North 89° 27' 50" West a distance of 136.79 feet; thence continuing along the same bearing South 02° 14' 33" East a distance of 4787.63 feet to station 6181+64.35; thence South 13° 29' 33" East a distance of 513.66 feet to station 6186+78.01, a point on the North line of said Section 25 T25N, from which the Northwest corner of said Section 25, T25N bears North 89° 27' 53" West a distance of 490.97 feet; thence continuing along the same bearing South 13° 29' 33" East a distance of 1079.19 feet to station 6197+57.20; thence South 24° 44' 33" East a distance of 4681.31 feet to station 6244+38.50, a point on the North line of said Section 36, T25N, from which the Northeast corner of said Section 36, T25N bears South 89° 27' 41" East a distance of 2531.33 feet; thence continuing from station 6244+38.50 along the same bearing South 24° 44' 33" East a distance of 486.80 feet to station 6249+25.30; thence South 11° 09' 28" East a distance of 3322.18 feet to station 6282+47.48; thence South 11° 20' 32" West a distance of 1614.50 feet to station 6298+61.98, a point on the North line of said Section 01, from which the Northeast corner of said Section 01 bears South 89° 28' 18" East a distance of 1787.05 feet; thence continuing along the same bearing South 11° 20' 32" West a distance of 2568.76 feet to station 6324+30.74; thence South 03° 35' 56" West a distance of 2360.49 feet to station 6347+91.23; thence South 07° 39' 04" East a distance of 277.43 feet to station 6350+68.66, a point on the North line of said Section 12, from which the Northeast corner of said Section 12 bears South 89° 30' 58" East a distance of 2356.03 feet; thence continuing along the same bearing South 07° 39' 04" East a distance of 1318.91 feet to station 6363+87.57; thence South 35° 33' 02" West a distance of 365.29 feet to station 6367+52.86; thence South 07° 39' 04" East a distance of 887.96 feet to station 6376+40.82; thence South 41° 10' 34" East a distance of 365.42 feet to station 6380+06.24; thence South 06° 41' 17" West a distance of 779.02 feet to station 6387+85.26; thence South 15° 48' 43" East a distance of 317.07 feet to

station 6391+02.33; thence South 04° 33' 43" East a distance of 1450.38 feet to station 6405+52.71, a point on the North line of said Section 13, T24N, from which the Northeast corner of said Section 13, T24N bears South 89° 30' 37" East a distance of 1874.92 feet; thence continuing along the same bearing South 04° 33' 43" East a distance of 2717.71 feet to station 6432+70.42; thence South 15° 48' 43" East a distance of 1281.80 feet to station 6445+52.22; thence South 04° 33' 43" East a distance of 877.22 feet to station 6454+29.44; thence South 15° 48' 43" East a distance of 179.45 feet to station 6456+08.90; thence South 04° 33' 43" East a distance of 248.25 feet to station 6458+57.15; thence South 40° 26' 17" West a distance of 64.59 feet to station 6459+21.74, a point on the North line of said Section 24, T24N, from which the Northeast corner of said Section 24, T24N bears South 89° 30' 27" East a distance of 1165.56 feet; thence continuing along the same bearing South 40° 26' 17" West a distance of 295.30 feet to station 6462+17.04; thence South 04° 33' 43" East a distance of 1396.52 feet to station 6476+13.56; thence South 27° 03' 43" East a distance of 573.50 feet to station 6481+87.06; thence South 04° 33' 43" East a distance of 1284.77 feet to station 6494+71.83; thence South 15° 48' 43" East a distance of 179.45 feet to station 6496+51.28; thence South 04° 33' 43" East a distance of 412.37 feet to station 6500+63.66; thence South 06° 41' 17" West a distance of 179.45 feet to station 6502+43.11; thence South 04° 32' 57" East a distance of 847.68 feet to station 6510+90.79; thence South 21° 15' 31" West a distance of 287.18 feet to station 6513+77.97, a point on the North line of said Section 25, T24N, from which the Northeast corner of said Section 25, T24N bears South 89° 30' 23" East a distance of 812.81 feet; thence continuing along the same bearing South 21° 15' 31" West a distance of 550.62 feet to station 6519+28.59; thence South 04° 33' 42" East a distance of 547.97 feet to station 6524+76.56, the point of Terminus, from which the Northeast corner of said Section 25, T24N bears North 42° 38' 00" East a distance of 1430.44 feet.

Parcel No. RCH 6-TRIBAL TRUST-01(P) contains 96.19 acres, more or less.

**Legal Description – Permanent Right-of-Way
Navajo Nation Trust Lands – NGWSP Reach 7
Drawing No.'s 1695-529-60177 and 1695-529-60178**

Navajo-Gallup Water Supply Project - Reach 7 - Parcel No. RCH 7-Tribal Trust - 01(P) - Permanent Right-of-Way

A parcel of land crossing Navajo Nation, Tribal Trust Land lying in sections 25 and 36, Township 24 North, Range 18 West; and Section 01, 12, 13, 24, 25 and 36, Township 23 North, Range 18 West; N.M.P.M., San Juan County, New Mexico. More particularly described as follows:

A strip of land being 80 feet wide, lying 40 feet each side from station 7001+00.00 to station 7412+70.68 of the following described centerline:

Point of Beginning being Reach 7 station 7001+00.00 from which the West quarter corner of said Section 25, T24N bears South 70°25'06" West a distance of 4600.55 feet; thence, from the point of beginning, South 03° 44' 44" East a distance of 193.76 feet to station 7002+93.76; thence South 30° 24' 08" East a distance of 189.90 feet to station 7004+83.66; thence South 04° 33' 19" East a distance of 305.72 feet to station 7007+89.38; thence South 15° 48' 19" East a distance of 242.12 feet to station 7010+31.50; thence South 02° 54' 22" East a distance of 819.89 feet to station 7018+51.39; thence South 00° 40' 47" West a distance of 1452.50 feet to station 7033+03.89; thence South 11° 55' 47" West a distance of 179.40 feet to station 7034+83.29; thence South 00° 40' 47" West a distance of 879.98 feet to station 7043+63.27, a point on the North line of said Section 36, T24N, from which the Northeast corner of said Section 36, T24N bears South 89° 29' 47" East a distance of 746.26 feet; thence continuing along the same bearing South 00° 40' 47" West a distance of 468.41 feet to station 7048+31.68; thence South 10° 34' 13" East a distance of 180.76 feet to station 7050+12.44; thence South 00° 36' 34" West a distance of 838.60 feet to station 7058+51.04; thence South 10° 38' 26" East a distance of 602.61 feet to station 7064+53.65; thence South 11° 51' 34" West a distance of 1139.32 feet to station 7075+92.97; thence South 04° 55' 38" West a distance of 2093.67 feet to station 7096+86.64, a point on the North line of said Section 01, from which the Northeast corner of said Section 01 bears South 89° 29' 50" East a distance of 983.44 feet; thence continuing along the same bearing South 04° 55' 38" West a distance of 2745.74 feet to station 7124+32.37; thence South 07° 48' 45" East a distance of 326.34 feet to station 7127+58.71; thence South 03° 26' 15" West a distance of 2222.93 feet to station 7149+81.64, a point on the North line of said Section 12, from which the Northeast corner of said Section 12 bears South 89° 29' 52" East a distance of 1260.88 feet; thence continuing along the same bearing South 03° 26' 15" West a distance of 3601.01 feet to station 7185+82.65; thence South 19° 03' 45" East a distance of 312.16 feet to station 7188+94.81; thence South 03° 26' 15" West a distance of 211.05 feet to station 7191+05.86; thence South 25° 56' 15" West a distance of 312.16 feet to station 7194+18.02; thence South 03° 26' 15" West a distance of 898.06 feet to station 7203+16.08, a point on the North line of said Section 13, from which the Northeast corner of said Section 13 bears South 89° 29' 49" East a distance of 1530.24 feet; thence continuing along the same bearing South 03° 26' 15" West a distance of 1156.95 feet to station 7214+73.03; thence South 19° 03' 45" East a distance of 513.58 feet to station 7219+86.61; thence South 03° 26' 15" West a distance of 641.25 feet to station 7226+27.86; thence South 25° 56' 15" West a distance of 513.58 feet to station 7231+41.44; thence South 03° 26' 15" West a distance of 1010.40 feet to station 7241+51.84; thence South 14° 48' 05" West a distance of 432.71 feet to station 7245+84.55; thence South 03° 26' 59" West a distance of 572.46 feet to station 7251+57.01; thence South 07° 48' 01" East a distance of 104.19 feet to station 7252+61.20; thence South 03° 26' 59" West a distance of 433.95

feet to station 7256+95.15, a point on the North line of said Section 24, from which the Northeast corner of said Section 24 bears South 89° 29' 39" East a distance of 1864.90 feet; thence continuing along the same bearing South 03° 26' 59" West a distance of 4738.42 feet to station 7304+33.57; thence South 14° 41' 59" West a distance of 105.95 feet to station 7305+39.52; thence South 03° 26' 59" West a distance of 444.41 feet to station 7309+83.93; thence South 07° 48' 01" East a distance of 1.29 feet to station 7309+85.22, a point on the North line of said Section 25, T23N, from which the Northeast corner of said Section 25, T23N bears South 89° 29' 28" East a distance of 2156.25 feet; thence continuing along the same bearing South 07° 48' 01" East a distance of 104.66 feet to station 7310+89.88; thence South 03° 26' 59" West a distance of 4951.42 feet to station 7360+41.30; thence South 13° 56' 51" West a distance of 260.57 feet to station 7363+01.87, a point on the North line of said Section 36, T23N, from which the Northeast corner of said Section 36, T23N, bears North 90° 00' 00" East a distance of 2455.39 feet; thence continuing along the same bearing South 13° 56' 51" West a distance of 230.32 feet to station 7365+32.19; thence South 02° 41' 51" West a distance of 584.78 feet to station 7371+16.97; thence South 07° 48' 48" East a distance of 349.59 feet to station 7374+66.56; thence South 03° 26' 12" West a distance of 2548.04 feet to station 7400+14.60; thence South 07° 48' 48" East a distance of 167.42 feet to station 7401+82.02; thence South 03° 26' 12" West a distance of 1088.66 feet to station 7412+70.68, the point of Terminus, from which the Southeast corner of said Section 36, T23N bears South 82° 52' 33" East a distance of 2659.44 feet.

Parcel No. RCH 7-Tribal Trust-01(P) contains 75.61 acres, more or less.

**Legal Description – Permanent Right-of-Way
Navajo Nation Trust Lands – NGWSP Reach 8
Drawing No.'s 1695-529-60179 and 1695-529-60180**

Navajo-Gallup Water Supply Project - Reach 8 - Parcel No. RCH 8-Tribal Trust - 01(P) - Permanent Right-of-Way

A parcel of land crossing Navajo Nation, Tribal Trust Land lying in sections 01, 12, 13, 24 and 25, Township 22 North, Range 18 West; Section 30 and 31, Township 22 North, Range 17 West; and Section 06, 07 and 08, Township 21 North, Range 17 West; N.M.P.M., San Juan County, New Mexico. More particularly described as follows:

A strip of land being 80 feet wide, lying 40 feet each side from station 8001+00.00 to station 8030+00.00; thence being 150 feet wide, lying 75 feet each side from station 8030+00.00 to station 8033+50.00; thence being 80 feet wide, lying 40 feet each side from station 8033+50.00 to station 8106+50.00; thence being 115 feet wide, lying 40 feet to the west side and 75 feet to the east side from station 8106+50.00 to station 8108+25.00; thence being 80 feet wide, lying 40 feet each side from station 8108+25.00 to station 8125+00.00; thence being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 8125+00.00 to station 8125+84.62; thence being 80 feet wide, lying 40 feet each side from station 8125+84.62 to station 8126+84.65; thence being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 8126+84.65 to station 8127+00.00; thence being 80 feet wide, lying 40 feet each side from station 8127+00.00 to station 8415+07.56 of the following described centerline:

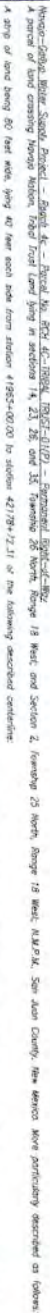
Point of Beginning being Reach 8 station 8001+00.00 from which the Northeast corner of said Section 01, bears North 86°14'19" East a distance of 2481.94 feet; thence South 03° 40' 31" West a distance of 155.03 feet to station 8002+55.03; thence South 14° 41' 15" West a distance of 358.61 feet to station 8006+13.64; thence South 30° 18' 45" East a distance of 171.01 feet to station 8007+84.65; thence South 03° 26' 15" West a distance of 3613.17 feet to station 8043+97.81; thence South 10° 46' 05" East a distance of 854.64 feet to station 8052+52.45, a point on the North line of said Section 12, from which the Northeast corner of said Section 12 bears South 89° 30' 19" East a distance of 2500.93 feet; thence continuing along the same bearing South 10° 46' 05" East a distance of 513.38 feet to station 8057+65.84; thence South 33° 16' 05" East a distance of 603.46 feet to station 8063+69.30; thence South 10° 46' 05" East a distance of 657.01 feet to station 8070+26.30; thence South 11° 43' 55" West a distance of 653.47 feet to station 8076+79.77; thence South 10° 46' 05" East a distance of 1360.69 feet to station 8090+40.47; thence South 00° 28' 55" West a distance of 179.46 feet to station 8092+19.92; thence South 10° 46' 05" East a distance of 1505.85 feet to station 8107+25.77, a point on the North line of said Section 13, from which the Northeast corner of said Section 13 bears South 89° 30' 20" East a distance of 1508.63 feet; thence continuing along the same bearing South 10° 46' 05" East a distance of 191.64 feet to station 8109+17.41; thence South 53° 57' 17" East a distance of 461.32 feet to station 8113+78.74; thence South 08° 57' 17" East a distance of 290.22 feet to station 8116+68.96; thence South 05° 03' 28" East a distance of 492.50 feet to station 8121+61.46; thence South 02° 58' 28" East a distance of 856.43 feet to station 8130+17.88; thence South 01° 12' 06" West a distance of 2838.51 feet to station 8158+56.39; thence South 12° 27' 06" West a distance of 362.17 feet to station 8162+18.56, a point on the North line of said Section 24, from which the Northeast corner of said Section 24 bears South 89° 30' 34" East a distance of 1056.88 feet; thence continuing along the same bearing South 12° 27' 06" West a distance of 151.79 feet to station 8163+70.35; thence South 01° 12' 06" West a distance

of 535.46 feet to station 8169+05.81; thence South 32° 32' 54" East a distance of 431.41 feet to station 8173+37.23; thence South 03° 45' 18" East a distance of 2654.49 feet to station 8199+91.71; thence South 23° 42' 06" West a distance of 384.47 feet to station 8203+76.18; thence South 01° 12' 06" West a distance of 179.47 feet to station 8205+55.66 ; thence South 43° 47' 54" East a distance of 318.65 feet to station 8208+74.31; thence South 01° 12' 06" West a distance of 552.27 feet to station 8214+26.58; thence South 08° 55' 19" West a distance of 276.39 feet to station 8217+02.97, a point on the North line of said Section 25, from which the Northeast corner of said Section 25 bears South 89° 29' 53" East a distance of 639.27 feet; thence continuing along the same bearing South 08° 55' 19" West a distance of 151.41 feet to station 8218+54.38; thence South 24° 49' 41" East a distance of 253.20 feet to station 8221+07.58; thence South 02° 19' 41" East a distance of 876.78 feet to station 8229+84.36; thence South 39° 40' 32" West a distance of 379.28 feet to station 8233+63.65; thence South 05° 19' 28" East a distance of 717.80 feet to station 8240+81.45; thence South 47° 19' 41" East a distance of 533.22 feet to station 8246+14.67; thence South 24° 49' 41" East a distance of 317.91 feet to station 8249+32.57; thence South 20° 10' 19" West a distance of 254.37 feet to station 8251+86.94; thence South 24° 49' 32" East a distance of 537.48 feet to station 8257+24.42, a point on the East line of said Section 25, from which the Southeast corner of said Section 25 bears South 00° 31' 10" West a distance of 1646.92 feet; thence continuing along the same bearing South 24° 49' 32" East a distance of 7.88 feet to station 8257+32.30; thence South 13° 34' 08" East a distance of 587.53 feet to station 8263+19.83; thence South 24° 47' 57" East a distance of 1183.63 feet to station 8275+03.45, a point on the North line of said Section 31, T22N, R17W, from which the Northwest corner of said Section 31 bears North 89° 28' 53" West a distance of 750.05 feet; thence South 24° 49' 43" East a distance of 2384.80 feet to station 8298+88.25; thence South 11° 23' 13" East a distance of 393.44 feet to station 8302.81.69; thence South 24° 44' 37" East a distance of 2785.01 feet to station 8330+66.70; thence South 22° 04' 29" East a distance of 239.54 feet to station 8333+06.24, a point on the North line of said Section 06, from which the Northeast corner of said Section 06 bears South 89° 29' 00" East a distance of 2206.18 feet; thence continuing along the same bearing South 22° 04' 29" East a distance of 263.75 feet to station 8335+69.99; thence South 19° 38' 10" East a distance of 491.25 feet to station 8340+61.25, thence South 17° 26' 33" East a distance of 1786.21 feet to station 8358+47.46; thence bearing South 17° 28' 58" East a distance of 2152.92 feet to station 8380+00.38; thence South 28° 37' 11" East a distance of 387.32 feet to station 8383+87.71; thence bearing South 17° 22' 11" East a distance of 514.89 feet to station 8389+02.60; a point on the North line of said Section 07, from which the Northeast corner of said Section 07 bears South 89° 29' 27" East a distance of 376.53 feet; thence continuing along the same bearing South 17° 22' 11" East a distance of 667.63 feet to station 8395+70.23; thence South 28° 37' 11" East a distance of 176.80 feet to station 8397+47.03; thence South 17° 20' 24" East a distance of 282.94 feet to station 8400+29.97, a point on the West line of said Section 08, from which the Northwest corner of said Section 08 bears North 00° 26' 35" East a distance of 1059.15 feet; thence continuing along the same bearing South 17° 20' 24" East a distance of 1477.59 feet to station 8415+07.56, the point of Terminus, from which the West quarter corner of said Section 08 bears South 69° 22' 55" West a distance of 483.58 feet.

Parcel No. RCH 8-Tribal Trust-01(P) contains 76.83 acres, more or less.



- o Indicators Found (ALD Brass Cap - Set in 1985)
- o Indicators Found (ALD Brass Cap - Set in 1984)

[illegible]

The authors of and those who be attended or otherwise as necessary to create codifying with different similarity described Naxos-Cable Water Supply Project Report of May 1967 No. RCM 40-10864 [RUST-017] contains 29 25 notes more or less.

Acrida-Parula Water Scud. Project - Beach 4 - Parcel No. RCH 4C-1100A, TRACT-1117 - Construction (Immunol) Spent of the parcel of land owned Nevada Union Trust. Tract land was in sections 14, 21, 25, and 26. Farming 28 North, Range 18 West and Section 2 Township 25 North, Range 18 West N.M.P. Co. San Juan County, New Mexico. More particularly described as follows:

A strip of land lying 150 feet wide, lying 75 feet each side from station 41953+00.00 to station 42004+73.52, thence along 715 feet wide, lying 75 feet to the west side and 40 feet to the west side from station 42004+73.52 to station 42001+42.16, thence along 80 feet wide, lying 42 feet each side from station 42001+42.16 to station 42003+12.77, thence along 115 feet wide, lying 75 feet to the west side and 40 feet to the west side from station 42003+12.77 to station 42004+16.16, thence along 115 feet wide, lying 75 feet to the west side and 40 feet to the west side from station 42004+16.16 to station 42010+55.56, and 40 feet to the west side from station 42010+55.56 to station 42011+03.87, thence along 150 feet wide, lying 75 feet each side from station 42011+03.87 to station 42122+02.02, thence along 154 feet wide, lying 75 feet to the west side and 40 feet to the west side from station 42122+02.02 to station 42123+01.51, and 40 feet to the west side from station 42123+01.51 to station 42134+21.16, thence along 150 feet wide, lying 75 feet each side from station 42134+21.16 to station 42149+01.66, thence along 150 feet wide, lying 40 feet each side from station 42149+01.66 to station 42156+21.02, thence along 115 feet wide, lying 40 feet to the west side and 75 feet to the west side from station 42156+21.02 to station 42164+10.75, thence along 150 feet wide, lying 75 feet each side from station 42164+10.75 to station 42176+08.52, thence along 115 feet wide, lying 40 feet to the west side and 75 feet to the west side from station 42176+08.52 to station 42178+27.27, thence along 115 feet wide, lying 40 feet to the west side and 75 feet to the west side from station 42178+27.27 to station 42184+27.17, of the centerline of the road in Parcel No. R04-C-2984, (Map 25-0197).

The sediment at rock 1161 could be considered a 'background' and represent primary dissolved boron–Silica Water. Sealed, filtered, equilibrated and analysed portions of the above described rocks that list in *Appendix 10* (Table 10, 1161) gave the $\delta^{13}\text{C}_{\text{org}}$ of -27.4‰ (PDB), $\delta^{15}\text{N}_{\text{org}}$ of -4.7‰ (PDB), $\delta^{34}\text{S}_{\text{org}}$ of -1.7‰ (CDT) and the $\delta^{34}\text{S}_{\text{org}}$ of -1.7‰ (CDT) and the $\delta^{34}\text{S}_{\text{org}}$ of -1.7‰ (CDT).

Experimental Subjects
 Permanent Eight-way - 21 J/72 hr food (4.05 mcal) or roughly equivalent 36.25 acres more or less
 Temporary Construction Experimental - 21 J/72 hr food (4.05 mcal) or roughly equivalent 37.44 acres more or less

100

Section from this drawing are different from the New Mexico State Plane grid. Old (NAD83) and are based on surveys of existing monuments. Distances and Station stream are ground (local). The grid factor for distances shown in New Mexico State Plane is Zone Grid (NAD83) is 0.999724970396. No Monument will be used.

[illegible]

 OFFICIAL SEAL
MICHAEL J. BRIDGES
Mayor, Mayor
City of New York
By Commissioner of Public Works, City of New York

ALVARD NATION - TRIBAL
TRUST LAND
PARCELS NOS. RICH
4C-TRIBAL TRUST-01(P)
AND 01(T)
1695-529-60174

FOR OFFICIAL USE ONLY

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
NAVAJO-GALLUP WATER SUPPLY PROJECT
NEW MEXICO

SAN JUAN LATERAL - REACH 4C

RIGHT-OF-WAY

RECLAMATION
Manufacturing Division in the West



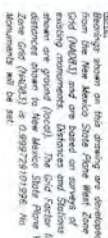
RECLAMATION
Integrating Water in the West

[illegible]

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1695-529-60175

RECLAMATION



- Q Indicates Found GLD Brass Cap - Set in 1988
- Q Indicates Found GLD Brass Cap - Set in 1980
- Q Indicates Found GLD Brass Cap - Set in 1988
- Q Indicates Found GLD Brass Cap - Set in 1988



STATE OF NEW YORK
IN SENATE
January 21, 1914.
REPORT
OF THE
COMMISSIONER OF THE FISH AND GAME DEPARTMENT
IN RESPONSE TO A RESOLUTION PASSED BY THE SENATE
MAY 15, 1899, AND AMENDED MAY 16, 1900, AND MAY 17, 1901,
AND MAY 18, 1902, AND MAY 19, 1903, AND MAY 20, 1904,
AND MAY 21, 1905, AND MAY 22, 1906, AND MAY 23, 1907,
AND MAY 24, 1908, AND MAY 25, 1909, AND MAY 26, 1910,
AND MAY 27, 1911, AND MAY 28, 1912, AND MAY 29, 1913,
AND MAY 30, 1914, AND MAY 31, 1915, AND MAY 32, 1916,
AND MAY 33, 1917, AND MAY 34, 1918, AND MAY 35, 1919,
AND MAY 36, 1920, AND MAY 37, 1921, AND MAY 38, 1922,
AND MAY 39, 1923, AND MAY 40, 1924, AND MAY 41, 1925,
AND MAY 42, 1926, AND MAY 43, 1927, AND MAY 44, 1928,
AND MAY 45, 1929, AND MAY 46, 1930, AND MAY 47, 1931,
AND MAY 48, 1932, AND MAY 49, 1933, AND MAY 50, 1934,
AND MAY 51, 1935, AND MAY 52, 1936, AND MAY 53, 1937,
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AND MAY 81, 1965, AND MAY 82, 1966, AND MAY 83, 1967,
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AND MAY 87, 1971, AND MAY 88, 1972, AND MAY 89, 1973,
AND MAY 90, 1974, AND MAY 91, 1975, AND MAY 92, 1976,
AND MAY 93, 1977, AND MAY 94, 1978, AND MAY 95, 1979,
AND MAY 96, 1980, AND MAY 97, 1981, AND MAY 98, 1982,
AND MAY 99, 1983, AND MAY 100, 1984, AND MAY 101, 1985,
AND MAY 102, 1986, AND MAY 103, 1987, AND MAY 104, 1988,
AND MAY 105, 1989, AND MAY 106, 1990, AND MAY 107, 1991,
AND MAY 108, 1992, AND MAY 109, 1993, AND MAY 110, 1994,
AND MAY 111, 1995, AND MAY 112, 1996, AND MAY 113, 1997,
AND MAY 114, 1998, AND MAY 115, 1999, AND MAY 116, 2000,
AND MAY 117, 2001, AND MAY 118, 2002, AND MAY 119, 2003,
AND MAY 120, 2004, AND MAY 121, 2005, AND MAY 122, 2006,
AND MAY 123, 2007, AND MAY 124, 2008, AND MAY 125, 2009,
AND MAY 126, 2010, AND MAY 127, 2011, AND MAY 128, 2012,
AND MAY 129, 2013, AND MAY 130, 2014, AND MAY 131, 2015,
AND MAY 132, 2016, AND MAY 133, 2017, AND MAY 134, 2018,
AND MAY 135, 2019, AND MAY 136, 2020, AND MAY 137, 2021,
AND MAY 138, 2022, AND MAY 139, 2023, AND MAY 140, 2024,
AND MAY 141, 2025, AND MAY 142, 2026, AND MAY 143, 2027,
AND MAY 144, 2028, AND MAY 145, 2029, AND MAY 146, 2030,
AND MAY 147, 2031, AND MAY 148, 2032, AND MAY 149, 2033,
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AND MAY 153, 2037, AND MAY 154, 2038, AND MAY 155, 2039,
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AND MAY 180, 2064, AND MAY 181, 2065, AND MAY 182, 2066,
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AND MAY 204, 2088, AND MAY 205, 2089, AND MAY 206, 2090,
AND MAY 207, 2091, AND MAY 208, 2092, AND MAY 209, 2093,
AND MAY 210, 2094, AND MAY 211, 2095, AND MAY 212, 2096,
AND MAY 213, 2097, AND MAY 214, 2098, AND MAY 215, 2099,
AND MAY 216, 2100, AND MAY 217, 2101, AND MAY 218, 2102,
AND MAY 219, 2103, AND MAY 220, 2104, AND MAY 221, 2105,
AND MAY 222, 2106, AND MAY 223, 2107, AND MAY 224, 2108,
AND MAY 225, 2109, AND MAY 226, 2110, AND MAY 227, 2111,
AND MAY 228, 2112, AND MAY 229, 2113, AND MAY 230, 2114,
AND MAY 231, 2115, AND MAY 232, 2116, AND MAY 233, 2117,
AND MAY 234, 2118, AND MAY 235, 2119, AND MAY 236, 2120,
AND MAY 237, 2121, AND MAY 238, 2122, AND MAY 239, 2123,
AND MAY 240, 2124, AND MAY 241, 2125, AND MAY 242, 2126,
AND MAY 243, 2127, AND MAY 244, 2128, AND MAY 245, 2129,
AND MAY 246, 2130, AND MAY 247, 2131, AND MAY 248, 2132,
AND MAY 249, 2133, AND MAY 250, 2134, AND MAY 251, 2135,
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AND MAY 255, 2139, AND MAY 256, 2140, AND MAY 257, 2141,
AND MAY 258, 2142, AND MAY 259, 2143, AND MAY 260, 2144,
AND MAY 261, 2145, AND MAY 262, 2146, AND MAY 263, 2147,
AND MAY 264, 2148, AND MAY 265, 2149, AND MAY 266, 2150,
AND MAY 267, 2151, AND MAY 268, 2152, AND MAY 269, 2153,
AND MAY 270, 2154, AND MAY 271, 2155, AND MAY 272, 2156,
AND MAY 273, 2157, AND MAY 274, 2158, AND MAY 275, 2159,
AND MAY 276, 2160, AND MAY 277, 2161, AND MAY 278, 2162,
AND MAY 279, 2163, AND MAY 280, 2164, AND MAY 281, 2165,
AND MAY 282, 2166, AND MAY 283, 2167, AND MAY 284, 2168,
AND MAY 285, 2169, AND MAY 286, 2170, AND MAY 287, 2171,
AND MAY 288, 2172, AND MAY 289, 2173, AND MAY 290, 2174,
AND MAY 291, 2175, AND MAY 292, 2176, AND MAY 293, 2177,
AND MAY 294, 2178, AND MAY 295, 2179, AND MAY 296, 2180,
AND MAY 297, 2181, AND MAY 298, 2182, AND MAY 299, 2183,
AND MAY 300, 2184, AND MAY 301, 2185, AND MAY 302, 2186,
AND MAY 303, 2187, AND MAY 304, 2188, AND MAY 305, 2189,
AND MAY 306, 2190, AND MAY 307, 2191, AND MAY 308, 2192,
AND MAY 309, 2193, AND MAY 310, 2194, AND MAY 311, 2195,
AND MAY 312, 2196, AND MAY 313, 2197, AND MAY 314, 2198,
AND MAY 315, 2199, AND MAY 316


 (General 978)
 MICHAEL P. BRADLEY
 Editor, *Psych*
 Editor at large, *Psych*
 978 American Psychological Association

Robert M. Parker

[illegible][illegible]

The interests of said strip shall be extended or shortened as necessary to cross conformly with adjacent sanitary districts' *Minneapolis-Colling Water Supply Project Rights-of-Way*

Answer: No. RCN § 7-703(a) contains §§ 19 and 20.

100


[illegible]

The retention of said shop shall be extended or shortened as necessary to comply with adjacent similarly indicated Nyea-Galep Water Supply Project Rights-of-Way.

least any portion of the above described parcel that lies in Parcel No. RCP 6-77024, TMS-0-013). Parcel No.

Permanent Right-of-way - 52,178.55 feet (9.37 miles) in length, containing 96.19 acres more or less
Removable Construction Easement - 52,575.56 feet (9.62 miles) in length, containing 78.41 acres more or less[illegible]

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 ALWAYS THINK SAFETY
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
NAVAJO-GALLUP WATER SUPPLY PROJECT
NEW MEXICO
SAN JUAN LATERAL - REACH 6
RIGHT-OF-WAY

NAVALO NATION - TRIBAL
TRUST LAND
PARCELS NOS RCH
6-TRIBAL TRUST-01P)
AND 01(T)
1695-529-60176

[illegible]

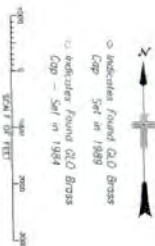
Permanent Right-of-way - 41.170.88 feet (7.80 miles) in length, encompassing 75.51 acres more or less.
Temporary Construction Easement - 41.170.88 feet (7.80 miles) in length, comprising 57.20 acres more or less.

Emergent Topics

FOR OFFICIAL USE ONLY

RECLAMATION
Managing Water in the West

NAVAJO NATION - TRIBAL
TRUST LAND
PARCELS NOS. ACH
7-TRIBAL TRUST-01(P)
AND 01(TT)
1695-529-60177



The solutions of sand chips must be estimated or determined as necessary in order to comply with adjacent authority restrictive North Carolina Motor Vehicle Injury Rights of-
 Personal Auto Policy 2-1000A, PICS-0117, condition 75.61 across North or West

The drawings of each thing shall be printed or otherwise so necessary to comply with subject matter Project Rights of 82.

Essential Fields:
 Permanent Right-of-Way - 41,170.68 feet (7.80 miles) in length, containing 75.61 acres more or less.
 Temporary Construction Easement - 41,170.68 feet (7.80 miles) in length, containing 57.20 acres more or less.

NOTE: Readings shown on this drawing are developed from the New Mexico State Plane Map Zone Gold (NAD83) and are based on surveys of existing monuments. Distances and Station shown are ground (local). The Gold Factor two distances shown is New Mexico State Plane Zone Gold (NAD83) is 0.99972300000000. No Measurements will be used.

FOR OFFICIAL USE ONLY

[illegible]

NAVARO MATTON - TRIBAL
TRUST LAND

PARCELS NOS. ACH
7-TRIBAL TRUST-01(97)
AND 01(7)

1695-529-60178

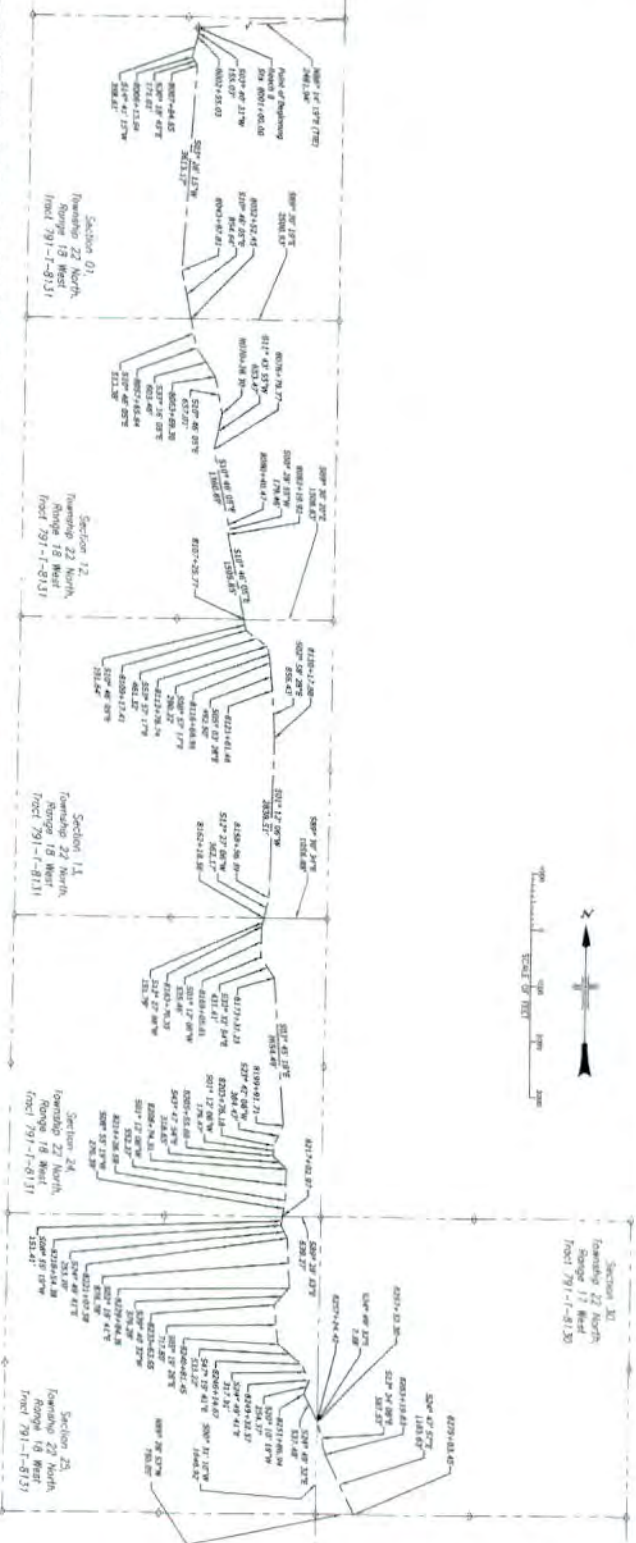
ALWAYS THINK SAFETY

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
SAN JUAN-GALLUP WATER SUPPLY PROJECT
NEW MEXICO

SAN JUAN LATERAL - REACH 7

RIGHT-OF-WAY

RECLAMATION
Information Report to the



ALWAYS THINK SAFETY

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
NATURAL-DESIGN WATER SUPPLY PROJECT
NEW MEXICO

SAN JUAN LATERAL - REACH 8

RIGHT-OF-WAY

1695-529-60179

MAHMOUD MATWON - TRIBAL
TRUST LAND

PARCELS NOS. 409
AND 01177

FOR OFFICIAL USE ONLY

**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION**

APPLICATION FOR CONSENT TO A GRANT OF TEMPORARY CONSTRUCTION EASEMENT

Tribal Trust Lands – NGWSP Reaches 4C-8

1. **Applicant Name and Address:** The Bureau of Reclamation, Four Corners Construction Office, having a principle place of business at 1235 La Plata Highway, Farmington, New Mexico, 87401. Hereby petitions the Navajo Nation, and respectfully files under the terms and provisions of the Act of February 5, 1948 (62 Stat. 17; 25 USC 323-328), and Bureau of Indian Affairs Departmental Regulations 25 C.F.R., Ch. 1, Subchapter H, Part 169, Subpart C § 169.102(a), as applicable, a request for consent to a grant of Temporary Construction Easement (TCE) over, under, across and through Navajo Nation Tribal Trust Lands located in the area of Sanostee, Two Grey Hills, Newcomb, Sheep Springs, and Naschitti Navajo Tribal Chapters that are located in San Juan County, New Mexico.

2. **Tract(s) or parcel(s) affected by the right-of-way:**

Landowner Name: Navajo Nation

Tracts and Parcels:

- a. **Tract No. 791 T-8079 – Parcel No. RCH 4C – Tribal Trust – 01(T)**, a Temporary Construction Easement, located in Township 26 North, Range 18 West, Sections 14, 23, 26, and 35; N.M.P.M., San Juan County, New Mexico.
- b. **Tract No. 791 T-8100 – Parcel No. RCH 4C – Tribal Trust – 01(T)**, a Temporary Construction Easement, located in Township 25 North, Range 18 West, Section 02; N.M.P.M., San Juan County, New Mexico.
- c. **Tract No. 791 T-8100 – Parcel No. RCH 6 – Tribal Trust – 01(T)**, a Temporary Construction Easement, located in Township 25 North, Range 18 West, Sections 02, 11, 13, 14, 24, 25, and 36, N.M.P.M., San Juan County, New Mexico.
- d. **Tract No. 791 T-8105 – Parcel No. RCH 6 – Tribal Trust – 01(T)**, a Temporary Construction Easement, located in Township 24 North, Range 18 West, Sections 01, 12, 13, 24, and 25, N.M.P.M., San Juan County, New Mexico.
- e. **Tract No. 791 T-8105 – Parcel No. RCH 7 – Tribal Trust – 01(T)**, a Temporary Construction Easement, located in Township 24 North, Range 18 West, Sections 25, and 36, N.M.P.M., San Juan County, New Mexico.
- f. **Tract No. 791 T-8126 – Parcel No. RCH 7 – Tribal Trust – 01(T)**, a Temporary Construction Easement, located in Township 23 North, Range 18 West, Sections 01, 12, 13, 24, 25, and 36, N.M.P.M., San Juan County, New Mexico.
- g. **Tract No. 791 T-8131 – Parcel No. RCH 8 – Tribal Trust – 01(T)**, a Temporary Construction Easement, located in Township 22 North, Range 18 West, Sections 01, 12, 13, 24, and 25, N.M.P.M., San Juan County, New Mexico.

- h. **Tract No. 791 T-8130 – Parcel No. RCH 8 – Tribal Trust – 01(T)**, a Temporary Construction Easement, located in Township 22 North, Range 17 West, Sections 30, and 31, N.M.P.M., San Juan County, New Mexico.
- i. **Tract No. 791 T-8153 – Parcel No. RCH 8 – Tribal Trust – 01(T)**, a Temporary Construction Easement, located in Township 21 North, Range 17 West, Sections 06, 07, and 08, N.M.P.M., San Juan County, New Mexico.

3. **General Location:**

- a. **Parcel No. RCH 4C - Tribal Trust - 01(T)**, a Temporary Construction Easement, being described as a parcel of land crossing Navajo Nation Tribal Trust land, lying in Township 26 North, Range 18 West, Sections 14, 23, 26, and 35; and Township 25 North, Range 18 West, Section 02, N.M.P.M., San Juan County, New Mexico, located in the area of the Sanostee Navajo Tribal Chapter.
- b. **Parcel No. RCH 6 - Tribal Trust - (T)**, a Temporary Construction Easement, being described as a parcel of land crossing Navajo Nation Tribal Trust Land lying in Township 25 North, Range 18 West, Sections 02, 11, 14, 23, 26, 35, and 36; and Township 24 North, Range 18 West, Sections 01, 12, 13, 24, and 25, N.M.P.M., San Juan County, New Mexico., located in the area of the Sanostee, Two Grey Hills, and Newcomb Navajo Tribal Chapters.
- c. **Parcel No. RCH 7 - Tribal Trust - (T)**, a Temporary Construction Easement, being described as a parcel of land crossing Navajo Nation Tribal Trust Land lying in Township 24 North, Range 18 West, Sections 25, and 36; and, Township 23 North, Range 18 West, Sections 01, 12, 13, 24, 25, and 36, N.M.P.M., San Juan County, New Mexico, located in the area of the Newcomb and Sheep Springs Navajo Tribal Chapters.
- d. **Parcel No. RCH 8 - Tribal Trust - (T)**, a Temporary Construction Easement, being described as a parcel of land crossing Navajo Nation Tribal Trust Land lying in Township 22 North, Range 18 West, Sections 01, 12, 13, 24, and 25, and Township 22 North, Range 17 West, Sections 30, and 31; and Township 21 North, Range 17 West, Sections 06, 07, and 08, N.M.P.M., San Juan County, New Mexico, located in the area of the Sheep Springs and Naschitti Navajo Tribal Chapter.

The pipeline alignment, is illustrated on the attached Reach 4C-8 Feasibility Map dated 05-14-18.

- 4. **Purpose:** The Omnibus Public Land Management Act of 2009, Title X, Part III (Public Law 111-11) (Act) authorizes the Bureau of Reclamation to construct the Navajo-Gallup Water Supply Project (NGWSP) that includes water treatment plants, pipeline, several pumping stations and ancillary facilities. Once completed, the NGWSP will deliver a reliable source of potable water, sourced from the San Juan River, to Navajo communities in northwestern New Mexico, the City of Gallup, NM, and the southwest portion of the Jicarilla Apache Reservation for municipal and industrial use. The NGWSP will connect to existing and future water distribution systems operated on the reservation by the Navajo Tribal Utility Authority (NTUA), and in Gallup, by the City of Gallup. The high quality treated water provided by the NGWSP will bring immediate benefits, including improved health and wellbeing to Tribal members.
- 5. **TCE:** The Temporary Construction Easement (TCE) will supplement the Easement for Right-of-Way (ROW) and provide additional working space that will be used for the construction of a 48 inch I.D., or smaller, water transmission pipeline with ancillary features and appurtenances thereto, that are necessary for the safe and efficient operation of the pipeline, over, under, across, and through

Navajo Nation Tribal Trust lands that will be crossed by Reach's 4C-8 of the San Juan Lateral, a part of the NGWSP, in the area of the Sanostee through the Naschitti Navajo Tribal Chapters. No structure will be constructed inside the TCE, and all construction related activities will be confined to the TCE boundary.

6. TCE Descriptions Reach's 4C-8:

- a. **Parcel No. RCH 4C-Tribal Trust-01(T)**: a Temporary Construction Easement (TCE), is described as a parcel of land crossing Navajo Nation Tribal Trust Lands in BIA Tract No. T791-8079, and Tract No. T791-8100, being approximately 21,372.31 feet (4.05 miles) in length and of varying width, containing 27.44 acres more or less. Reach 4C will begin at station 41965+00.00, located in Section 14, Township 26 North, Range 18 West, and will terminate at station 42178+72.31, located in Section 2, Township 25 North, Range 18 West, N.M.P.M., San Juan County, New Mexico, in the area of the Sanostee Navajo Tribal Chapter. The pipeline centerline is illustrated on ROW Drawing No. 1695-529-60174, and Plan and Profile Drawings No.'s 1695-D-T50296 to 1695-D-T49231, Sheet No. 2 through Sheet No. 6 (CD), that are attached hereto, and by reference made a part hereof. Reach 4C will be joined to Reach 6 at Station 6001+00.00.

Description Rch 4C TCE: Reach 4C TCE is further described as a strip of land being 150 feet wide, lying 75 feet each side from station 41965+00.00 to station 42000+75.52; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 42000+75.52 to station 42003+42.16; thence being 80 feet wide, lying 40 feet each side from station 42003+42.16 to station 42004+83.27; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 42004+83.27 to station 42006+81.32; thence being 150 feet wide, lying 75 feet each side from station 42006+81.32 to station 42010+65.86; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 42010+65.86 to station 42011+05.87; thence being 150 feet wide, lying 75 feet each side from station 42011+05.87 to station 42102+80.23; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 42102+80.23 to station 42114+29.95; thence being 80 feet wide, lying 40 feet each side from station 42114+29.95 to station 42137+58.13; thence being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 42137+58.13 to station 42138+23.14; thence being 150 feet wide, lying 75 feet each side from station 42138+23.14 to station 42146+20.66; thence being 80 feet wide, lying 40 feet each side from station 42146+20.66 to station 42150+10.77; thence being 150 feet wide, lying 75 feet each side from station 42150+10.77 to station 42167+84.47; thence being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 42172+74.19 to station 42174+32.89; thence being 150 feet wide, lying 75 feet each side from station 42174+32.89 to station 42176+88.92; thence being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 42176+88.92 to station 42178+72.31 of the centerline described in Parcel No. RCH 4C-Tribal Trust-01(P).

Legal Description of TCE - Parcel No. RCH 4C-Tribal Trust-01(T): Pipeline - Dwg No. 1695-529-60174:

Point of Beginning being Reach 4C station 41965+00.00 from which the Northeast corner of said Section 14 bears North 30°56'15" East a distance of 2895.96 feet; thence, from the point of beginning, South 02° 27' 24" East a distance of 2786.21 feet to station 41992+86.21, a point on the North line of said Section 23, from which the Northeast corner of said Section 23 bears South 89° 28' 03" East a distance of 1322.20 feet; thence continuing along the same bearing South 02° 27' 24" East a distance of 793.28 feet to station 42000+79.49; thence South 08° 52' 38" West a distance of 178.14 feet to station 42002+57.63; thence South 02° 22' 22" East a distance of 248.17 feet to station 42005+05.80; thence South 13° 22' 14" East a distance of 179.45 feet to station 42006+85.26; thence South 02° 07' 14" East a

distance of 3894.00 feet to station 42045+79.26, a point on the North line of said Section 26, from which the Northeast corner of said Section 26 bears South 89° 28' 30" East a distance of 1075.08 feet; thence continuing along the same bearing South 02° 07' 14" East a distance of 1656.28 feet to station 42062+35.54; thence South 07° 52' 57" East a distance of 3664.97 feet to station 42099+00.50, a point on the North line of said Section 35, from which the Northeast corner of said Section 35 bears South 89° 27' 49" East a distance of 462.94 feet; thence continuing along the same bearing South 07° 52' 57" East a distance of 40.07 feet to station 42099+40.57; thence South 03° 22' 03" West a distance of 1530.30 feet to station 42114+70.87; thence South 02° 04' 25" East a distance of 1071.88 feet to station 42125+42.75; thence South 01° 14' 09" West a distance of 950.73 feet to station 42134+93.48; thence South 41° 22' 57" East a distance of 205.72 feet to station 42136+99.20; thence South 03° 37' 03" West a distance of 1539.81 feet to station 42152+39.01, a point on the North line of said Section 2, from which the Northeast corner of said Section 2 bears South 89° 28' 32" East a distance of 442.96 feet; thence continuing along the same bearing South 03° 37' 03" West a distance of 277.34 feet to station 42155+16.35; thence South 07° 37' 57" East a distance of 1268.03 feet to station 42167+84.38; thence South 02° 07' 30" East a distance of 392.54 feet to station 42171+76.92; thence South 09° 07' 30" West a distance of 252.03 feet to station 42174+28.95; thence South 02° 07' 30" East a distance of 263.91 feet to station 42176+92.86; thence South 13° 22' 30" East a distance of 179.45 feet to station 42178+72.31, the point of Terminus, from which the Northeast corner of said Section 2 bears North 05° 49' 29" East a distance of 2622.49 feet.

Parcel No. RCH 4C-Tribal Trust-01(T) is approximately 21372.31 feet (4.05 miles) in length and of varying width containing 27.44 acres more or less.

- b. **Parcel No. RCH 6-Tribal Trust-01(T)**, a Temporary Construction Easement, being described as a strip of land crossing Navajo Nation Tribal Trust Lands in BIA Tract No.'s 791 T-8100 and 791-T-8105, being approximately 52,376.56 feet (9.92 miles) in length and of varying width, containing 78.41 acres more or less. Reach 6 will begin at station 6001+00.00, located in Section 02, Township 25 North, Range 18 West, and will terminate at Station 6524+76.56, located in Section 25, Township 24 North, Range 18 West, N.M.P.M., San Juan County, New Mexico, in the area of the Sanostee, Two Grey Hills, and Newcomb Navajo Tribal Chapters. The pipeline centerline is illustrated on ROW Drawing No.'s 1695-529-60175 and 1695-529-60176, and Plan and Profile Drawing No.'s 1695-D-T49238 through 1695-D-T49265 (Sheet No. 7 through Sheet No. 17), that are attached hereto, and by reference made a part hereof. Reach 6 will be joined to Reach 7 at Station 7001+00.00.

Description Rch 6 TCE: Reach 6 TCE is further described as a strip of land being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 6001+00.00 to station 6001+69.99; thence being 80 feet wide, lying 40 feet each side from station 6001+69.99 to station 6002+09.99; thence being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 6002+09.99 to station 6005+22.37; thence being 80 feet wide, lying 40 feet each side from station 6005+22.37 to station 6006+83.24; thence being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 6006+83.24 to station 6008+66.90; thence being 150 feet wide, lying 75 feet each side from station 6008+66.90 to station 6050+91.68; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 6050+91.68 to station 6052+48.47; thence being 150 feet wide, lying 75 feet each side from station 6052+48.47 to station 6087+57.75; thence being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 6087+57.75 to station 6090+07.37; thence being 150 feet wide, lying 75 feet each side from station 6090+07.37 to station 6244+38.50; thence being 150 feet wide, lying 75 feet each side from station 6244+38.50 to station 6362+13.16; thence being 115 feet wide, lying 40 feet to the west side and 75 feet to the east side from station 6362+13.16 to station 6365+46.57; thence being

80 feet wide, lying 40 feet each side from station 6365+46.57 to station 6366+40.28; thence being 115 feet wide, lying 40 feet to the west side and 75 feet to the east side from station 6366+40.28 to station 6367+74.30; thence being 150 feet wide, lying 75 feet each side from station 6367+74.30 to station 6377+11.10; thence being 115 feet wide, lying 40 feet to the west side and 75 feet to the east side from station 6377+11.10 to station 6377+64.12; thence being 80 feet wide, lying 40 feet each side from station 6377+64.12 to station 6379+08.87; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 6379+08.87 to station 6379+31.01; thence being 150 feet wide, lying 75 feet each side from station 6379+31.01 to station 6454+25.50; thence being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 6454+25.50 to station 6456+04.96; thence being 80 feet wide, lying 40 feet each side from station 6456+04.96 to station 6458+75.59; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 6458+75.59 to station 6458+88.23; thence being 150 feet wide, lying 75 feet each side from station 6458+88.23 to station 6481+72.14; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 6481+72.14 to station 6483+87.13; thence being 150 feet wide, lying 75 feet each side from station 6483+87.13 to station 6494+67.89; thence being 115 feet wide, lying 75 feet to the west side and 40 feet to the east side from station 6494+67.89 to station 6496+23.32; thence being 80 feet wide, lying 40 feet each side from station 6496+23.32 to station 6501+18.56; thence being 115 feet wide, lying 75 feet to the west side and 40 feet to the east side from station 6501+18.56 to station 6502+39.17; thence being 150 feet wide, lying 75 feet each side from station 6502+39.17 to station 6510+99.96; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 6510+99.96 to station 6513+50.00; thence being 80 feet wide, lying 40 feet each side from station 6513+50.00 to station 6524+76.56 of the centerline described in Parcel No. RCH6-Tribal trust-01(P).

Legal Description of TCE - Parcel No. RCH 6-Tribal Trust-01(T): Pipeline - Dwg. No.'s 1695-529-60175

and 1695-529-60176: Point of Beginning being Reach 6 station 6001+00.00 from which the East quarter corner of said Section 02 bears South 83°05'22" East a distance of 239.22 feet; thence, from the point of beginning, South 02° 07' 30" East a distance of 594.83 feet to station 6006+94.83; thence South 09° 07' 30" West a distance of 179.45 feet to station 6008+74.29; thence South 02° 07' 30" East a distance of 1896.89 feet to station 6027+71.18, a point on the North line of said Section 11, from which the Northeast corner of said Section 11 bears South 89° 28' 13" East a distance of 147.82 feet; thence continuing along the same bearing South 02° 07' 30" East a distance of 2485.20 feet to station 6052+56.38; thence South 20° 15' 27" West a distance of 570.81 feet to station 6058+27.20; thence South 02° 14' 33" East a distance of 2262.89 feet to station 6080+90.08, a point on the North line of said Section 14, from which the Northeast corner of said Section 14 bears South 89° 28' 06" East a distance of 117.35 feet; thence continuing along the same bearing South 02° 14' 33" East a distance of 2436.43 feet to station 6105+26.51, a point on the East line of said Section 14, from which the Northeast corner of said Section 14 bears North 00° 31' 05" East a distance of 2433.58 feet; thence continuing along the same bearing South 02° 14' 33" East a distance of 2850.21 feet to station 6133+76.72, a point on the North line of said Section 24, T25N, from which the Northwest corner of said Section 24, T25N bears North 89° 27' 50" West a distance of 136.79 feet; thence continuing along the same bearing South 02° 14' 33" East a distance of 4787.63 feet to station 6181+64.35; thence South 13° 29' 33" East a distance of 513.66 feet to station 6186+78.01, a point on the North line of said Section 25 T25N, from which the Northwest corner of said Section 25, T25N bears North 89° 27' 53" West a distance of 490.97 feet; thence continuing along the same bearing South 13° 29' 33" East a distance of 1079.19 feet to station 6197+57.20; thence South 24° 44' 33" East a distance of 4681.31 feet to station 6244+38.50, a point on the North line of said Section 36, T25N, from which the Northeast corner of said Section 36, T25N bears South 89° 27' 41" East a distance of 2531.33 feet; thence continuing from station 6244+38.50 along the

same bearing South 24° 44' 33" East a distance of 486.80 feet to station 6249+25.30; thence South 11° 09' 28" East a distance of 3322.18 feet to station 6282+47.48; thence South 11° 20' 32" West a distance of 1614.50 feet to station 6298+61.98, a point on the North line of said Section 01, from which the Northeast corner of said Section 01 bears South 89° 28' 18" East a distance of 1787.05 feet; thence continuing along the same bearing South 11° 20' 32" West a distance of 2568.76 feet to station 6324+30.74; thence South 03° 35' 56" West a distance of 2360.49 feet to station 6347+91.23; thence South 07° 39' 04" East a distance of 277.43 feet to station 6350+68.66, a point on the North line of said Section 12, from which the Northeast corner of said Section 12 bears South 89° 30' 58" East a distance of 2356.03 feet; thence continuing along the same bearing South 07° 39' 04" East a distance of 1318.91 feet to station 6363+87.57; thence South 35° 33' 02" West a distance of 365.29 feet to station 6367+52.86; thence South 07° 39' 04" East a distance of 887.96 feet to station 6376+40.82; thence South 41° 10' 34" East a distance of 365.42 feet to station 6380+06.24; thence South 06° 41' 17" West a distance of 779.02 feet to station 6387+85.26; thence South 15° 48' 43" East a distance of 317.07 feet to station 6391+02.33; thence South 04° 33' 43" East a distance of 1450.38 feet to station 6405+52.71, a point on the North line of said Section 13, T24N, from which the Northeast corner of said Section 13, T24N bears South 89° 30' 37" East a distance of 1874.92 feet; thence continuing along the same bearing South 04° 33' 43" East a distance of 2717.71 feet to station 6432+70.42; thence South 15° 48' 43" East a distance of 1281.80 feet to station 6445+52.22; thence South 04° 33' 43" East a distance of 877.22 feet to station 6454+29.44; thence South 15° 48' 43" East a distance of 179.45 feet to station 6456+08.90; thence South 04° 33' 43" East a distance of 248.25 feet to station 6458+57.15; thence South 40° 26' 17" West a distance of 64.59 feet to station 6459+21.74, a point on the North line of said Section 24, T24N, from which the Northeast corner of said Section 24, T24N bears South 89° 30' 27" East a distance of 1165.56 feet; thence continuing along the same bearing South 40° 26' 17" West a distance of 295.30 feet to station 6462+17.04; thence South 04° 33' 43" East a distance of 1396.52 feet to station 6476+13.56; thence South 27° 03' 43" East a distance of 573.50 feet to station 6481+87.06; thence South 04° 33' 43" East a distance of 1284.77 feet to station 6494+71.83; thence South 15° 48' 43" East a distance of 179.45 feet to station 6496+51.28; thence South 04° 33' 43" East a distance of 412.37 feet to station 6500+63.66; thence South 06° 41' 17" West a distance of 179.45 feet to station 6502+43.11; thence South 04° 32' 57" East a distance of 847.68 feet to station 6510+90.79; thence South 21° 15' 31" West a distance of 287.18 feet to station 6513+77.97, a point on the North line of said Section 25, T24N, from which the Northeast corner of said Section 25, T24N bears South 89° 30' 23" East a distance of 812.81 feet; thence continuing along the same bearing South 21° 15' 31" West a distance of 550.62 feet to station 6519+28.59; thence South 04° 33' 42" East a distance of 547.97 feet to station 6524+76.56, the point of Terminus, from which the Northeast corner of said Section 25, T24N bears North 42° 38' 00" East a distance of 1430.44 feet.

Parcel No. RCH 6-Tribal Trust-01(T) is approximately 52,376.56 feet (9.92 miles) in length, and contains 78.41 acres more or less.

- c. **Parcel No. RCH 7-Tribal Trust-01(T)**, a Temporary Construction Easement, being described as a strip of land crossing Navajo Nation Tribal Trust Lands in BIA Tract No.'s 791-T-8105 and 791-T-8126, being approximately 41,170.68 feet (7.80 miles) in length and of varying width, containing 57.20 acres more or less. Reach 7 will begin at Station 7001+00.00, located in Section 25, Township 24 North, Range 18 West, and will terminate at Station 7412+70.68, located in Section 36, Township 23 North, Range 18 West, N.M.P.M., San Juan County, New Mexico, in the area of the Newcomb and Sheep Springs Navajo Tribal Chapters. The pipeline centerline is illustrated on ROW Drawing No.'s 1695-529-60177 and 1695-529-60178, and Plan and Profile Drawing No.'s 1695-D-T48532 through 1695-D-

T48726 (Sheet No. 18 through Sheet No. 26), that are attached hereto, and by reference made a part hereof. Reach 7 will be joined to Reach 8 at Station 8001+00.00.

Description Rch 7 TCE: Reach 7 TCE is further described as a strip of land being 80 feet wide, lying 40 feet each side from station 7001+00.00 to station 7008+19.71; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 7008+19.71 to station 7009+60.76; thence being 150 feet wide, lying 75 feet each side from station 7009+60.76 to station 7032+99.95; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 7032+99.95 to station 7033+03.89; thence being 80 feet wide, lying 40 feet each side from station 7033+03.89 to station 7037+42.20; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 7037+42.20 to station 7041+17.37; thence being 80 feet wide, lying 40 feet each side from station 7041+17.37 to station 7048+46.51; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 7048+46.51 to station 7050+19.79; thence being 150 feet wide, lying 75 feet each side from station 7050+19.79 to station 7218+80.26; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 7218+80.26 to station 7219+10.10; thence being 80 feet wide, lying 40 feet each side from station 7219+10.10 to station 7227+04.37; thence being 150 feet wide, lying 75 feet each side from station 7227+04.37 to station 7241+88.46; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 7241+88.46 to station 7242+06.41; thence being 80 feet wide, lying 40 feet each side from station 7242+06.41 to station 7243+92.74; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 7243+92.74 to station 7247+83.61; thence being 80 feet wide, lying 40 feet each side from station 7247+83.61 to station 7250+43.66; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 7250+43.66 to station 7252+53.81; thence being 150 feet wide, lying 75 feet each side from station 7252+53.81 to station 7256+95.15; thence being 150 feet wide, lying 75 feet each side from station 7256+95.15 to station 7304+26.18; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 7304+26.18 to station 7306+13.56; thence being 80 feet wide, lying 40 feet each side from station 7306+13.56 to station 7308+88.53; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 7308+88.53 to station 7310+93.82; thence being 150 feet wide, lying 75 feet each side from station 7310+93.82 to station 7361+23.84; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 7361+23.84 to station 7364+00.92; thence being 80 feet wide, lying 40 feet each side from station 7364+00.92 to station 7374+73.94; thence being 150 feet wide, lying 75 feet each side from station 7374+73.94 to station 7411+31.28; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 7411+31.28 to station 7412+70.68 of the centerline described in Parcel No. RCH 7-TRIBAL TRUST-01(P).

Legal Description of TCE - Parcel No. RCH 7-Tribal Trust-01(T): Pipeline - Dwg. No.'s 1695-529-60177 and 1695-529-60178: Point of Beginning being Reach 7, station 7001+00.00 from which the West quarter corner of said Section 25, T24N bears South 70°25'06" West a distance of 4600.55 feet; thence, from the point of beginning, South 03° 44' 44" East a distance of 193.76 feet to station 7002+93.76; thence South 30° 24' 08" East a distance of 189.90 feet to station 7004+83.66; thence South 04° 33' 19" East a distance of 305.72 feet to station 7007+89.38; thence South 15° 48' 19" East a distance of 242.12 feet to station 7010+31.50; thence South 02° 54' 22" East a distance of 819.89 feet to station 7018+51.39; thence South 00° 40' 47" West a distance of 1452.50 feet to station 7033+03.89; thence South 11° 55' 47" West a distance of 179.40 feet to station 7034+83.29; thence South 00° 40' 47" West a distance of 879.98 feet to station 7043+63.27, a point on the North line of said Section 36, T24N, from which the Northeast corner of said Section 36, T24N bears South 89° 29' 47" East a distance of 746.26 feet; thence continuing along the same bearing South 00° 40' 47" West

a distance of 468.41 feet to station 7048+31.68; thence South 10° 34' 13" East a distance of 180.76 feet to station 7050+12.44; thence South 00° 36' 34" West a distance of 838.60 feet to station 7058+51.04; thence South 10° 38' 26" East a distance of 602.61 feet to station 7064+53.65; thence South 11° 51' 34" West a distance of 1139.32 feet to station 7075+92.97; thence South 04° 55' 38" West a distance of 2093.67 feet to station 7096+86.64, a point on the North line of said Section 01, from which the Northeast corner of said Section 01 bears South 89° 29' 50" East a distance of 983.44 feet; thence continuing along the same bearing South 04° 55' 38" West a distance of 2745.74 feet to station 7124+32.37; thence South 07° 48' 45" East a distance of 326.34 feet to station 7127+58.71; thence South 03° 26' 15" West a distance of 2222.93 feet to station 7149+81.64, a point on the North line of said Section 12, from which the Northeast corner of said Section 12 bears South 89° 29' 52" East a distance of 1260.88 feet; thence continuing along the same bearing South 03° 26' 15" West a distance of 3601.01 feet to station 7185+82.65; thence South 19° 03' 45" East a distance of 312.16 feet to station 7188+94.81; thence South 03° 26' 15" West a distance of 211.05 feet to station 7191+05.86; thence South 25° 56' 15" West a distance of 312.16 feet to station 7194+18.02; thence South 03° 26' 15" West a distance of 898.06 feet to station 7203+16.08, a point on the North line of said Section 13, from which the Northeast corner of said Section 13 bears South 89° 29' 49" East a distance of 1530.24 feet; thence continuing along the same bearing South 03° 26' 15" West a distance of 1156.95 feet to station 7214+73.03; thence South 19° 03' 45" East a distance of 513.58 feet to station 7219+86.61; thence South 03° 26' 15" West a distance of 641.25 feet to station 7226+27.86; thence South 25° 56' 15" West a distance of 513.58 feet to station 7231+41.44; thence South 03° 26' 15" West a distance of 1010.40 feet to station 7241+51.84; thence South 14° 48' 05" West a distance of 432.71 feet to station 7245+84.55; thence South 03° 26' 59" West a distance of 572.46 feet to station 7251+57.01; thence South 07° 48' 01" East a distance of 104.19 feet to station 7252+61.20; thence South 03° 26' 59" West a distance of 433.95 feet to station 7256+95.15, a point on the North line of said Section 24, from which the Northeast corner of said Section 24 bears South 89° 29' 39" East a distance of 1864.90 feet; thence continuing along the same bearing South 03° 26' 59" West a distance of 4738.42 feet to station 7304+33.57; thence South 14° 41' 59" West a distance of 105.95 feet to station 7305+39.52; thence South 03° 26' 59" West a distance of 444.41 feet to station 7309+83.93; thence South 07° 48' 01" East a distance of 1.29 feet to station 7309+85.22, a point on the North line of said Section 25, T23N, from which the Northeast corner of said Section 25, T23N bears South 89° 29' 28" East a distance of 2156.25 feet; thence continuing along the same bearing South 07° 48' 01" East a distance of 104.66 feet to station 7310+89.88; thence South 03° 26' 59" West a distance of 4951.42 feet to station 7360+41.30; thence South 13° 56' 51" West a distance of 260.57 feet to station 7363+01.87, a point on the North line of said Section 36, T23N, from which the Northeast corner of said Section 36, T23N, bears North 90° 00' 00" East a distance of 2455.39 feet; thence continuing along the same bearing South 13° 56' 51" West a distance of 230.32 feet to station 7365+32.19; thence South 02° 41' 51" West a distance of 584.78 feet to station 7371+16.97; thence South 07° 48' 48" East a distance of 349.59 feet to station 7374+66.56; thence South 03° 26' 12" West a distance of 2548.04 feet to station 7400+14.60; thence South 07° 48' 48" East a distance of 167.42 feet to station 7401+82.02; thence South 03° 26' 12" West a distance of 1088.66 feet to station 7412+70.68, the point of Terminus, from which the Southeast corner of said Section 36, T23N bears South 82° 52' 33" East a distance of 2659.44 feet.

Parcel No. RCH 7-Tribal Trust-01(T) is approximately 41,170.68 feet (7.80 miles) in length, and contains 57.20 acres more or less.

- d. **Parcel No. RCH 8-Tribal Trust-01(T)**, a Temporary Construction Easement, being described as a strip of land crossing Navajo Nation Tribal Trust Lands in BIA Tract No.'s 791-T-8131, 791-T-8130, and

791-T-8153, being approximately 41,407.56 feet (7.84 miles) in length and of varying width, containing 32.35 acres more or less. Reach 8 will begin at Station 8001+00.00, located in Section 01, Township 22 North, Range 18 West, and will terminate at Station 8415+07.56, located in Section 08, Township 21 North, Range 17 West, N.M.P.M., San Juan County, New Mexico, in the area of the Sheep Springs and Naschitti Navajo Tribal Chapters. The pipeline centerline is illustrated on ROW Drawing No.'s 1695-529-60179 and 1695-529-60180, and Plan and Profile Drawing No.'s 1695-D-T48789 through 1695-D-T49191 (Sheet No. 27 through Sheet No. 35), that are attached hereto, and by reference made a part hereof. Reach 8 will be joined to Reach 9A at Station 90000+00.00.

Description Rch 8 TCE: Reach 8 TCE is further described as a strip of land being 150 feet wide, lying 75 feet each side from station 8001+00.00 to station 8005+82.57; thence being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 8005+82.57 to station 8006+65.19; thence being 80 feet wide, lying 40 feet each side from station 8006+65.19 to station 8008+07.40; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 8008+07.40 to station 8008+94.43; thence being 150 feet wide, lying 75 feet each side from station 8008+94.43 to station 8090+33.08; thence being 80 feet wide, lying 40 feet each side from station 8090+33.08 to station 8102+82.58; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 8102+82.58 to station 8109+38.13; thence being 150 feet wide, lying 75 feet each side from station 8109+38.13 to station 8113+47.67; thence being 80 feet wide, lying 40 feet each side from station 8113+47.67 to station 8117+22.52; thence being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 8117+22.52 to station 8125+84.62; thence being 80 feet wide, lying 40 feet each side from station 8125+84.62 to station 8126+84.65; thence being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 8126+84.65 to station 8134+95.91; thence being 150 feet wide, lying 75 feet each side from station 8134+95.91 to station 8158+49.00; thence being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 8158+49.00 to station 8161+63.10; thence being 80 feet wide, lying 40 feet each side from station 8161+63.10 to station 8172+54.31; thence being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 8172+54.31 to station 8172+59.33; thence being 150 feet wide, lying 75 feet each side from station 8172+59.33 to station 8174+99.05; thence being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 8174+99.05 to station 8176+24.39; thence being 150 feet wide, lying 75 feet each side from station 8176+24.39 to station 8199+81.94; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 8199+81.94 to station 8203+37.41; thence being 80 feet wide, lying 40 feet each side from station 8203+37.41 to station 8209+68.90; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 8209+68.90 to station 8218+31.62; thence being 80 feet wide, lying 40 feet each side from station 8218+31.62 to station 8221+22.50; thence being 150 feet wide, lying 75 feet each side from station 8221+22.50 to station 8229+37.58; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 8229+37.58 to station 8230+70.53; thence being 150 feet wide, lying 75 feet each side from station 8230+70.53 to station 8232+06.48; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 8232+06.48 to station 8233+31.49; thence being 80 feet wide, lying 40 feet each side from station 8233+31.49 to station 8249+32.57; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 8249+32.57 to station 8250+49.17; thence being 150 feet wide, lying 75 feet each side from station 8250+49.17 to station 8257+28.29; thence being 115 feet wide, lying 40 feet to the west side and 75 feet to the east side from station 8257+28.29 to station 8261+15.61; thence being 80 feet wide, lying 40 feet each side from station 8261+15.61 to station 8275+03.45; thence being 80 feet wide, lying 40 feet each side from station 8275+03.45 to station 8386+72.39; thence being

115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 8386+72.39 to station 8389+83.08; thence being 80 feet wide, lying 40 feet each side from station 8389+83.08 to station 8395+66.29; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 8395+66.29 to station 8397+51.04; thence being 150 feet wide, lying 75 feet each side from station 8397+51.04 to station 8415+07.56 of the centerline described in Parcel No. RCH 8-Tribal Trust-01(P).

Legal Description of TCE - Parcel No. RCH 8-Tribal Trust-01(T): Pipeline - Dwg. No.'s 1695-529-

60179 and 1695-529-60180: Point of Beginning being Reach 8 station 8001+00.00 from which the Northeast corner of said Section 01, bears North 86°14'19" East a distance of 2481.94 feet; thence South 03° 40' 31" West a distance of 155.03 feet to station 8002+55.03; thence South 14° 41' 15" West a distance of 358.61 feet to station 8006+13.64; thence South 30° 18' 45" East a distance of 171.01 feet to station 8007+84.65; thence South 03° 26' 15" West a distance of 3613.17 feet to station 8043+97.81; thence South 10° 46' 05" East a distance of 854.64 feet to station 8052+52.45, a point on the North line of said Section 12, from which the Northeast corner of said Section 12 bears South 89° 30' 19" East a distance of 2500.93 feet; thence continuing along the same bearing South 10° 46' 05" East a distance of 513.38 feet to station 8057+65.84; thence South 33° 16' 05" East a distance of 603.46 feet to station 8063+69.30; thence South 10° 46' 05" East a distance of 657.01 feet to station 8070+26.30; thence South 11° 43' 55" West a distance of 653.47 feet to station 8076+79.77; thence South 10° 46' 05" East a distance of 1360.69 feet to station 8090+40.47; thence South 00° 28' 55" West a distance of 179.46 feet to station 8092+19.92; thence South 10° 46' 05" East a distance of 1505.85 feet to station 8107+25.77, a point on the North line of said Section 13, from which the Northeast corner of said Section 13 bears South 89° 30' 20" East a distance of 1508.63 feet; thence continuing along the same bearing South 10° 46' 05" East a distance of 191.64 feet to station 8109+17.41; thence South 53° 57' 17" East a distance of 461.32 feet to station 8113+78.74; thence South 08° 57' 17" East a distance of 290.22 feet to station 8116+68.96; thence South 05° 03' 28" East a distance of 492.50 feet to station 8121+61.46; thence South 02° 58' 28" East a distance of 856.43 feet to station 8130+17.88; thence South 01° 12' 06" West a distance of 2838.51 feet to station 8158+56.39; thence South 12° 27' 06" West a distance of 362.17 feet to station 8162+18.56, a point on the North line of said Section 24, from which the Northeast corner of said Section 24 bears South 89° 30' 34" East a distance of 1056.88 feet; thence continuing along the same bearing South 12° 27' 06" West a distance of 151.79 feet to station 8163+70.35; thence South 01° 12' 06" West a distance of 535.46 feet to station 8169+05.81; thence South 32° 32' 54" East a distance of 431.41 feet to station 8173+37.23; thence South 03° 45' 18" East a distance of 2654.49 feet to station 8199+91.71; thence South 23° 42' 06" West a distance of 384.47 feet to station 8203+76.18; thence South 01° 12' 06" West a distance of 179.47 feet to station 8205+55.66; thence South 43° 47' 54" East a distance of 318.65 feet to station 8208+74.31; thence South 01° 12' 06" West a distance of 552.27 feet to station 8214+26.58; thence South 08° 55' 19" West a distance of 276.39 feet to station 8217+02.97, a point on the North line of said Section 25, from which the Northeast corner of said Section 25 bears South 89° 29' 53" East a distance of 639.27 feet; thence continuing along the same bearing South 08° 55' 19" West a distance of 151.41 feet to station 8218+54.38; thence South 24° 49' 41" East a distance of 253.20 feet to station 8221+07.58; thence South 02° 19' 41" East a distance of 876.78 feet to station 8229+84.36; thence South 39° 40' 32" West a distance of 379.28 feet to station 8233+63.65; thence South 05° 19' 28" East a distance of 717.80 feet to station 8240+81.45; thence South 47° 19' 41" East a distance of 533.22 feet to station 8246+14.67; thence South 24° 49' 41" East a distance of 317.91 feet to station 8249+32.57; thence South 20° 10' 19" West a distance of 254.37 feet to station 8251+86.94; thence South 24° 49' 32" East a distance of 537.48 feet to station 8257+24.42, a point on the East line of said Section 25, from

which the Southeast corner of said Section 25 bears South 00° 31' 10" West a distance of 1646.92 feet; thence continuing along the same bearing South 24° 49' 32" East a distance of 7.88 feet to station 8257+32.30; thence South 13° 34' 08" East a distance of 587.53 feet to station 8263+19.83; thence South 24° 47' 57" East a distance of 1183.63 feet to station 8275+03.45, a point on the North line of said Section 31, T22N, R17W, from which the Northwest corner of said Section 31 bears North 89° 28' 53" West a distance of 750.05 feet; thence South 24° 49' 43" East a distance of 2384.80 feet to station 8298+88.25; thence South 11° 23' 13" East a distance of 393.44 feet to station 8302.81.69; thence South 24° 44' 37" East a distance of 2785.01 feet to station 8330+66.70; thence South 22° 04' 29" East a distance of 239.54 feet to station 8333+06.24, a point on the North line of said Section 06, from which the Northeast corner of said Section 06 bears South 89° 29' 00" East a distance of 2206.18 feet; thence continuing along the same bearing South 22° 04' 29" East a distance of 263.75 feet to station 8335+69.99; thence South 19° 38' 10" East a distance of 491.25 feet to station 8340+61.25, thence South 17° 26' 33" East a distance of 1786.21 feet to station 8358+47.46; thence bearing South 17° 28' 58" East a distance of 2152.92 feet to station 8380+00.38; thence South 28° 37' 11" East a distance of 387.32 feet to station 8383+87.71; thence bearing South 17° 22' 11" East a distance of 514.89 feet to station 8389+02.60; a point on the North line of said Section 07, from which the Northeast corner of said Section 07 bears South 89° 29' 27" East a distance of 376.53 feet; thence continuing along the same bearing South 17° 22' 11" East a distance of 667.63 feet to station 8395+70.23; thence South 28° 37' 11" East a distance of 176.80 feet to station 8397+47.03; thence South 17° 20' 24" East a distance of 282.94 feet to station 8400+29.97, a point on the West line of said Section 08, from which the Northwest corner of said Section 08 bears North 00° 26' 35" East a distance of 1059.15 feet; thence continuing along the same bearing South 17° 20' 24" East a distance of 1477.59 feet to station 8415+07.56, the point of Terminus, from which the West quarter corner of said Section 08 bears South 69° 22' 55" West a distance of 483.58 feet.

Parcel No. RCH 8-Tribal Trust-01(T) is approximately 41,407.56 feet (7.84 miles) in length, and contains 32.35 acres more or less.

7. **Term:** Reclamation requests a grant of Temporary Construction Easement (TCE) for a term of 48 months (4 years).
8. **Ownership of Permanent Improvements:** Reaches 4C through 8 of the NGWSP across Navajo Nation Tribal Trust land, BIA Tribal Tract No.'s: 791 T-8079, 791 T-8100, 791 T-8105, 791 T-8126, 791 T-8130, 791 T-8131, and 791 T-8153, will consist of approximately 156,327.11 linear feet (29.61 miles), of 48 inch or less I.D. water transmission pipeline with ancillary features and appurtenances, constructed and owned by the Bureau of Reclamation. It is Reclamation's intent to transfer the operation, maintenance, and replacement (OM&R) responsibility of the Project to the NTUA. It is envisioned that Reclamation would retain title to the facilities for the foreseeable future, however, the Act does provide authority for eventual title transfer to the Navajo Nation.
9. **Construction Schedule:**
 Obtain ROW: July 1, 2019
 Obtain Bids and Establish Contracts: April 29, 2019
 Award Contract: July 8, 2019
 Notice to Proceed Issue: July 29, 2019
 Begin Construction: August 12, 2019
 Construction 50% Completed by: October, 2020
 Construction Complete: October 25, 2021

Required Supporting Documents - §169.102(b)

1. Legal Description:
 - Parcel No. RCH 4C-Tribal Trust-01(P)(T) - CD
 - Parcel No. RCH 6-Tribal Trust-01(P)(T) - CD
 - Parcel No. RCH 7-Tribal Trust-01(P)(T) - CD
 - Parcel No. RCH 8-Tribal Trust-01(P)(T) - CD
2. ROW Drawing No. 1695-529-60174 - Parcel No. RCH 4C-01-Tribal Trust (P)(T) (CD)
 - ROW Drawing No. 1695-529-60175 - Parcel No. RCH 6-01-Tribal Trust (P)(T) (CD)
 - ROW Drawing No. 1695-529-60176 - Parcel No. RCH 6-01-Tribal Trust (P)(T) (CD)
 - ROW Drawing No. 1695-529-60177 - Parcel No. RCH 7-01-Tribal Trust (P)(T) (CD)
 - ROW Drawing No. 1695-529-60178 - Parcel No. RCH 7-01-Tribal Trust (P)(T) (CD)
 - ROW Drawing No. 1695-529-60179 - Parcel No. RCH 8-01-Tribal Trust (P)(T) (CD)
 - ROW Drawing No. 1695-529-60180 - Parcel No. RCH 7-01-Tribal Trust (P)(T) (CD)
 - Plan and Profile Drawings - No. 1695-D-T50296 thru 1695-D-T49191 (CD)
 - Plan and Profile Drawings – Reach 4C - No. 1695-D-50296 thru 1695-D-49231 (CD)
 - Plan and Profile Drawing – Reach 6 – No. 1695-D-49238 thru 1695-D-T49265 (CD)
 - Plan and Profile Drawing – Reach 7 - No. 1695-D-48532 thru 1695-D-48726 (CD)
 - Plan and Profile Drawing – Reach 8 - No. 1695-D-48789 thru 1695-D-49191 (CD)
 - Map - Block 4C-8 Overall Pipeline Alignment – Dated 05-15-18 (CD)
 - Map - Reach 4C Pipeline Alignment – Sheets 1-6 – Dated 05-15-18 (CD)
 - Map – Reach 6 Pipeline Alignment – Sheets 1-12 - Dated 05-15-18 (CD)
 - Map – Reach 7 Pipeline Alignment – Sheets 1-10 – Dated 05-15-18 (CD)
 - Map – Reach 8 Pipeline Alignment – Sheets 1-10 - Dated 05-15-18 (CD)
 - NGWSP Project Map – Drawing No. 1695-529-50000 – Dated 03-16-18 (CD)
3. Waiver of Bonding Requirement - 25 CFR § 169.103 - Dated 12-20-16 (CD)
 - Letter – Navajo Nation Support Waiver of 25 CFR § 169.103 - Dated 09-09-16 (CD)
4. Permission to Survey – Reach 3-9 - 09-17-09 (CD)
 - Permission to Survey – San Juan Lateral - 03-01-10 (CD)
 - Permission to Conduct Engineering Data Collection – San Juan Lateral – Dated 10-05-16 (CD)
 - Navajo Nation Executive Order No. 07-2017 in Support of the NGWSP – Dated 05-22-17 (CD)
 - Chapter Resolution – Naschitti – NAS-17-11-011 – Signed 11-06-16 (CD)
 - Chapter Resolution – Newcomb – NWCB-04917-066 - Signed 04-09-17 (CD)
 - Chapter Resolution – Sanostee – TAT 17-05-47 - Signed 05-21-17 (CD)
 - Chapter Resolution – Sheep Springs – TC-2017-0191 - Signed 02-19-17 (CD)
 - Chapter Resolution – Toadlena and Two Grey Hills – TDLA-TGH-17-06-08-09 – Signed 06-08-17 (CD)
 - Reaches 4C thru 8 Title Status Reports
5. Valuation:
 - Memo - BIA Waiver for Appraisal and Compensation - 25 CFR Part 169.12 – Dated 06-29-07 (CD)
6. Organizational Documents: Not Applicable, Applicant is United States DOI - BOR.
7. Biological, Cultural Resource and Environmental Documentation:
 - Class III Inventory and Determination of Eligibility - NHPA – Dated 10-11-16 (CD)

Phase I Environmental Site Assessment for Reaches 4C-8 - Dated October 2017 (CD)
Memo - BIA - Acceptable NEPA and NHPA Sufficiency Documentation - Cultural Resources - Dated
10-29-2015 (CD)

Final Environmental Impact Statement and Record of Decision can be viewed at:

<http://www.usbr.gov/uc/envdocs/eis/navgallup/FEIS/index.html>

THE APPLICANT FURTHER STIPULATES AND EXPRESSLY AGREES AS FOLLOWS:

To conform and to abide by all applicable requirements with respect to the right-of-way herein applied for. The applicant agrees to conform to and abide by the rules, regulations, and requirements contained in the Code of Federal Regulations, Title 25 Indians, Part 169, as amended, and by reference includes such rules, regulations and requirements as a part of this application as if the same were herein set out in full.

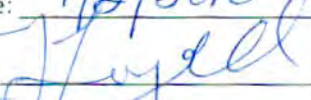
Applicant Point of Contact Information:

Name: Michael (Mike) Braman
Address: 1235 La Plata Highway
Farmington, New Mexico, 87401
Phone: 505-324-5024
E-mail: mbraman@usbr.gov

Date:

7/2/2018

Applicant Signature:



Print Name:



**Legal Description – Temporary Construction Easement
Navajo Nation Trust Lands – NGWSP Reach 4C
Drawing No. 1695-529-60174**

Navajo-Gallup Water Supply Project - Reach 4c - Parcel No. RCH 4C-Tribal Trust-01(T) - Temporary
(Construction) Easement

A parcel of land crossing Navajo Nation, Tribal Trust Land lying in sections 14, 23, 26, and 35, Township 26 North, Range 18 West; and Section 2, Township 25 North, Range 18 West; N.M.P.M., San Juan County, New Mexico. More particularly described as follows:

A strip of land being 150 feet wide, lying 75 feet each side from station 41965+00.00 to station 42000+75.52; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 42000+75.52 to station 42003+42.16; thence being 80 feet wide, lying 40 feet each side from station 42003+42.16 to station 42004+83.27; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 42004+83.27 to station 42006+81.32; thence being 150 feet wide, lying 75 feet each side from station 42006+81.32 to station 42010+65.86; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 42010+65.86 to station 42011+05.87; thence being 150 feet wide, lying 75 feet each side from station 42011+05.87 to station 42102+80.23; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 42102+80.23 to station 42114+29.95; thence being 80 feet wide, lying 40 feet each side from station 42114+29.95 to station 42137+58.13; thence being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 42137+58.13 to station 42138+23.14; thence being 150 feet wide, lying 75 feet each side from station 42138+23.14 to station 42146+20.66; thence being 80 feet wide, lying 40 feet each side from station 42146+20.66 to station 42150+10.77; thence being 150 feet wide, lying 75 feet each side from station 42150+10.77 to station 42167+84.47; thence being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 42172+74.19 to station 42174+32.89; thence being 150 feet wide, lying 75 feet each side from station 42174+32.89 to station 42176+88.92; thence being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 42176+88.92 to station 42178+72.31 of the centerline described in Parcel No. RCH 4C-Tribal Trust-01(P).

Less any portion of the above described parcel that lies in Parcel No. RCH 4C-Tribal Trust-01(P), Parcel No. RCH 4C-Tribal Trust-01(T), contains 27.44 acres, more or less.

**Legal Description – Temporary Construction Easement
Navajo Nation Trust Lands – NGWSP Reach 6
Drawing No.'s 1695-529-60175 and 1695-529-60176**

Navajo-Gallup Water Supply Project - Reach 6 - Parcel No. RCH 6-Tribal Trust-01(T) - Temporary
(Construction) Easement

A parcel of land crossing Navajo Nation, Tribal Trust Land lying in sections 02, 11, 12, 13, 14, 24, 25, and 36, Township 25 North, Range 18 West; and Sections 01, 12, 13, 24 and 25, Township 24 North, Range 18 West; N.M.P.M., San Juan County, New Mexico. More particularly described as follows:

A strip of land being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 6001+00.00 to station 6001+69.99; thence being 80 feet wide, lying 40 feet each side from station 6001+69.99 to station 6002+09.99; thence being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 6002+09.99 to station 6005+22.37; thence being 80 feet wide, lying 40 feet each side from station 6005+22.37 to station 6006+83.24; thence being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 6006+83.24 to station 6008+66.90; thence being 150 feet wide, lying 75 feet each side from station 6008+66.90 to station 6050+91.68; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 6050+91.68 to station 6052+48.47; thence being 150 feet wide, lying 75 feet each side from station 6052+48.47 to station 6087+57.75; thence being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 6087+57.75 to station 6090+07.37; thence being 150 feet wide, lying 75 feet each side from station 6090+07.37 to station 6244+38.50; thence being 150 feet wide, lying 75 feet each side from station 6244+38.50 to station 6362+13.16; thence being 115 feet wide, lying 40 feet to the west side and 75 feet to the east side from station 6362+13.16 to station 6365+46.57; thence being 80 feet wide, lying 40 feet each side from station 6365+46.57 to station 6366+40.28; thence being 115 feet wide, lying 40 feet to the west side and 75 feet to the east side from station 6366+40.28 to station 6367+74.30; thence being 150 feet wide, lying 75 feet each side from station 6367+74.30 to station 6377+11.10; thence being 115 feet wide, lying 40 feet to the west side and 75 feet to the east side from station 6377+11.10 to station 6377+64.12; thence being 80 feet wide, lying 40 feet each side from station 6377+64.12 to station 6379+08.87; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 6379+08.87 to station 6379+31.01; thence being 150 feet wide, lying 75 feet each side from station 6379+31.01 to station 6454+25.50; thence being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 6454+25.50 to station 6456+04.96; thence being 80 feet wide, lying 40 feet each side from station 6456+04.96 to station 6458+75.59; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 6458+75.59 to station 6458+88.23; thence being 150 feet wide, lying 75 feet each side from station 6458+88.23 to station 6481+72.14; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 6481+72.14 to station 6483+87.13; thence being 150 feet wide, lying 75 feet each side from station 6483+87.13 to station 6494+67.89; thence being 115 feet wide, lying 75 feet to the west side and 40 feet to the east side from station 6494+67.89 to station 6496+23.32; thence being 80 feet wide, lying 40 feet each side from station 6496+23.32 to station 6501+18.56; thence being 115 feet wide, lying 75 feet to the west side and 40 feet to the east side from station 6501+18.56 to station 6502+39.17; thence being 150 feet wide, lying 75 feet each side from station 6502+39.17 to station 6510+99.96; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 6510+99.96 to station 6513+50.00; thence being 80 feet wide, lying 40 feet each side from station 6513+50.00 to station 6524+76.56 of the centerline described in Parcel No. RCH6-Tribal trust-01(P).

Less any portion of the above described parcel that lies in Parcel No. RCH 6-TRIBAL TRUST-01(P), Parcel No. RCH 6-TRIBAL TRUST-01(T), contains 78.41 acres, more or less.

Legal Description – Temporary Construction Easement
Navajo Nation Trust Lands – NGWSP Reach 7
Drawing No.'s 1695-529-60177 and 1695-529-60178

Navajo-Gallup Water Supply Project - Parcel No. RCH 7-Tribal Trust-01(T) - Temporary (Construction) Easement

A strip of land being 80 feet wide, lying 40 feet each side from station 7001+00.00 to station 7008+19.71; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 7008+19.71 to station 7009+60.76; thence being 150 feet wide, lying 75 feet each side from station 7009+60.76 to station 7032+99.95; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 7032+99.95 to station 7033+03.89; thence being 80 feet wide, lying 40 feet each side from station 7033+03.89 to station 7037+42.20; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 7037+42.20 to station 7041+17.37; thence being 80 feet wide, lying 40 feet each side from station 7041+17.37 to station 7048+46.51; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 7048+46.51 to station 7050+19.79; thence being 150 feet wide, lying 75 feet each side from station 7050+19.79 to station 7218+80.26; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 7218+80.26 to station 7219+10.10; thence being 80 feet wide, lying 40 feet each side from station 7219+10.10 to station 7227+04.37; thence being 150 feet wide, lying 75 feet each side from station 7227+04.37 to station 7241+88.46; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 7241+88.46 to station 7242+06.41; thence being 80 feet wide, lying 40 feet each side from station 7242+06.41 to station 7243+92.74; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 7243+92.74 to station 7247+83.61; thence being 80 feet wide, lying 40 feet each side from station 7247+83.61 to station 7250+43.66; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 7250+43.66 to station 7252+53.81; thence being 150 feet wide, lying 75 feet each side from station 7252+53.81 to station 7256+95.15; thence being 150 feet wide, lying 75 feet each side from station 7256+95.15 to station 7304+26.18; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 7304+26.18 to station 7306+13.56; thence being 80 feet wide, lying 40 feet each side from station 7306+13.56 to station 7308+88.53; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 7308+88.53 to station 7310+93.82; thence being 150 feet wide, lying 75 feet each side from station 7310+93.82 to station 7361+23.84; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 7361+23.84 to station 7364+00.92; thence being 80 feet wide, lying 40 feet each side from station 7364+00.92 to station 7374+73.94; thence being 150 feet wide, lying 75 feet each side from station 7374+73.94 to station 7411+31.28; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 7411+31.28 to station 7412+70.68 of the centerline described in Parcel No. RCH 7-TRIBAL TRUST-01(P).

Less any portion of the above described parcel that lies in Parcel No. RCH 7-Tribal Trust-01(P), Parcel No. RCH 7-Tribal Trust-01(T), contains 57.20 acres, more or less.

**Legal Description – Temporary Construction Easement
Navajo Nation Trust Lands – NGWSP Reach 8
Drawing No.'s 1695-529-60179 and 1695-529-60180**

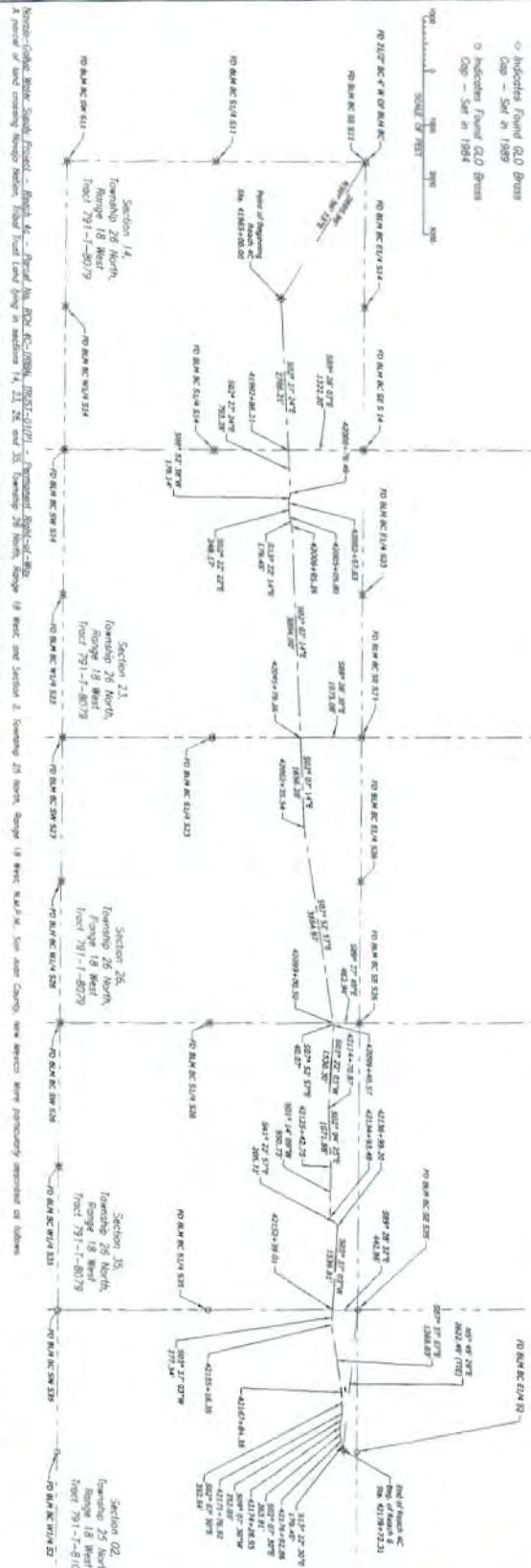
Navajo-Gallup Water Supply Project - Parcel No. RCH 8-Tribal Trust-01(T) - Temporary (Construction) Easement

A parcel of land crossing Navajo Nation, Tribal Trust Land lying in sections 01, 12, 13, 24 and 25, Township 22 North, Range 18 West; Section 30 and 31, Township 22 North, Range 17 West; and Section 06, 07 and 08, Township 21 North, Range 17 West; N.M.P.M., San Juan County, New Mexico. More particularly described as follows:

A strip of land being 150 feet wide, lying 75 feet each side from station 8001+00.00 to station 8005+82.57; thence being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 8005+82.57 to station 8006+65.19; thence being 80 feet wide, lying 40 feet each side from station 8006+65.19 to station 8008+07.40; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 8008+07.40 to station 8008+94.43; thence being 150 feet wide, lying 75 feet each side from station 8008+94.43 to station 8090+33.08; thence being 80 feet wide, lying 40 feet each side from station 8090+33.08 to station 8102+82.58; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 8102+82.58 to station 8109+38.13; thence being 150 feet wide, lying 75 feet each side from station 8109+38.13 to station 8113+47.67; thence being 80 feet wide, lying 40 feet each side from station 8113+47.67 to station 8117+22.52; thence being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 8117+22.52 to station 8125+84.62; thence being 80 feet wide, lying 40 feet each side from station 8125+84.62 to station 8126+84.65; thence being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 8126+84.65 to station 8134+95.91; thence being 150 feet wide, lying 75 feet each side from station 8134+95.91 to station 8158+49.00; thence being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 8158+49.00 to station 8161+63.10; thence being 80 feet wide, lying 40 feet each side from station 8161+63.10 to station 8172+54.31; thence being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 8172+54.31 to station 8172+59.33; thence being 150 feet wide, lying 75 feet each side from station 8172+59.33 to station 8174+99.05; thence being 115 feet wide, lying 40 feet to the east side and 75 feet to the west side from station 8174+99.05 to station 8176+24.39; thence being 150 feet wide, lying 75 feet each side from station 8176+24.39 to station 8199+81.94; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 8199+81.94 to station 8203+37.41; thence being 80 feet wide, lying 40 feet each side from station 8203+37.41 to station 8209+68.90; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 8209+68.90 to station 8218+31.62; thence being 80 feet wide, lying 40 feet each side from station 8218+31.62 to station 8221+22.50; thence being 150 feet wide, lying 75 feet each side from station 8221+22.50 to station 8229+37.58; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 8229+37.58 to station 8230+70.53; thence being 150 feet wide, lying 75 feet each side from station 8230+70.53 to station 8232+06.48; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 8232+06.48 to station 8233+31.49; thence being 80 feet wide, lying 40 feet each side from station 8233+31.49 to station 8249+32.57; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 8249+32.57 to station 8250+49.17; thence being 150 feet wide, lying 75 feet each side from station 8250+49.17 to station 8257+28.29; thence being 115 feet wide, lying 40 feet to the west side and 75 feet to the east side from station 8257+28.29 to station 8261+15.61;

thence being 80 feet wide, lying 40 feet each side from station 8261+15.61 to station 8275+03.45; thence being 80 feet wide, lying 40 feet each side from station 8275+03.45 to station 8386+72.39; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 8386+72.39 to station 8389+83.08; thence being 80 feet wide, lying 40 feet each side from station 8389+83.08 to station 8395+66.29; thence being 115 feet wide, lying 75 feet to the east side and 40 feet to the west side from station 8395+66.29 to station 8397+51.04; thence being 150 feet wide, lying 75 feet each side from station 8397+51.04 to station 8415+07.56 of the centerline described in Parcel No. RCH 8-Tribal Trust-01(P).

Less any portion of the above described parcel that lies in Parcel No. RCH 8-Tribal Trust-01(P), Parcel No. RCH 8-Tribal Trust-01(T), contains 32.35 acres more or less.



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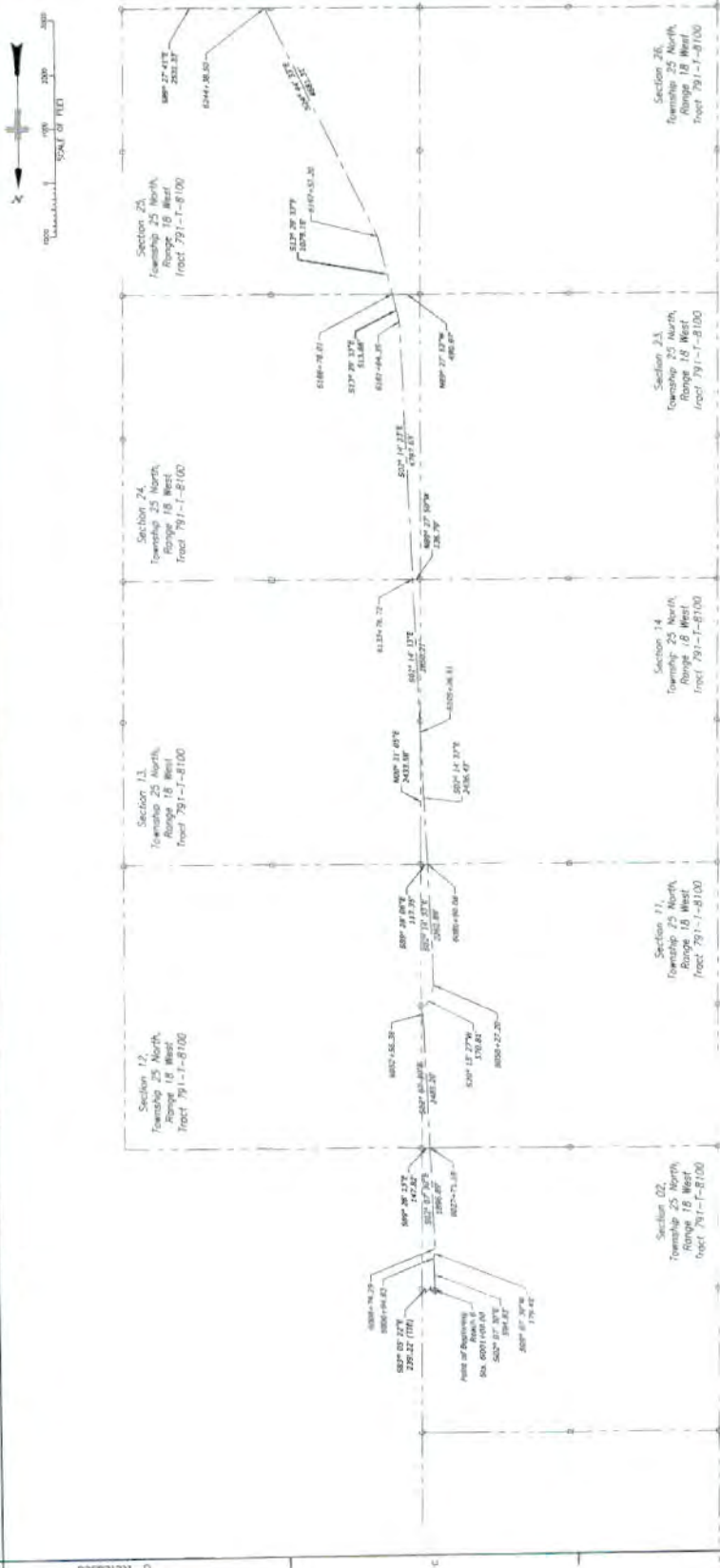
FOR OFFICIAL USE ONLY

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ALWAYS THINK SAFETY
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
ANAVARD-GALLUP WATER SUPPLY PROJECT
NEW MEXICO
SAN JUAN LATERAL - REACH 4C
RIGHT-OF-WAY

RECLAMATION



Monroe-Collins Water Supply District - Branch A - Parcel No. ACH # 794841 TR 5.7-01(P) - Permanent Right-of-Way

Publisher: Cengage Learning
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 ISBN-10: 0-495-56152-1
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a. 1000 ft. to station 6001 + 00.00 to station 6324 + 76.58 w/ the following described centerline

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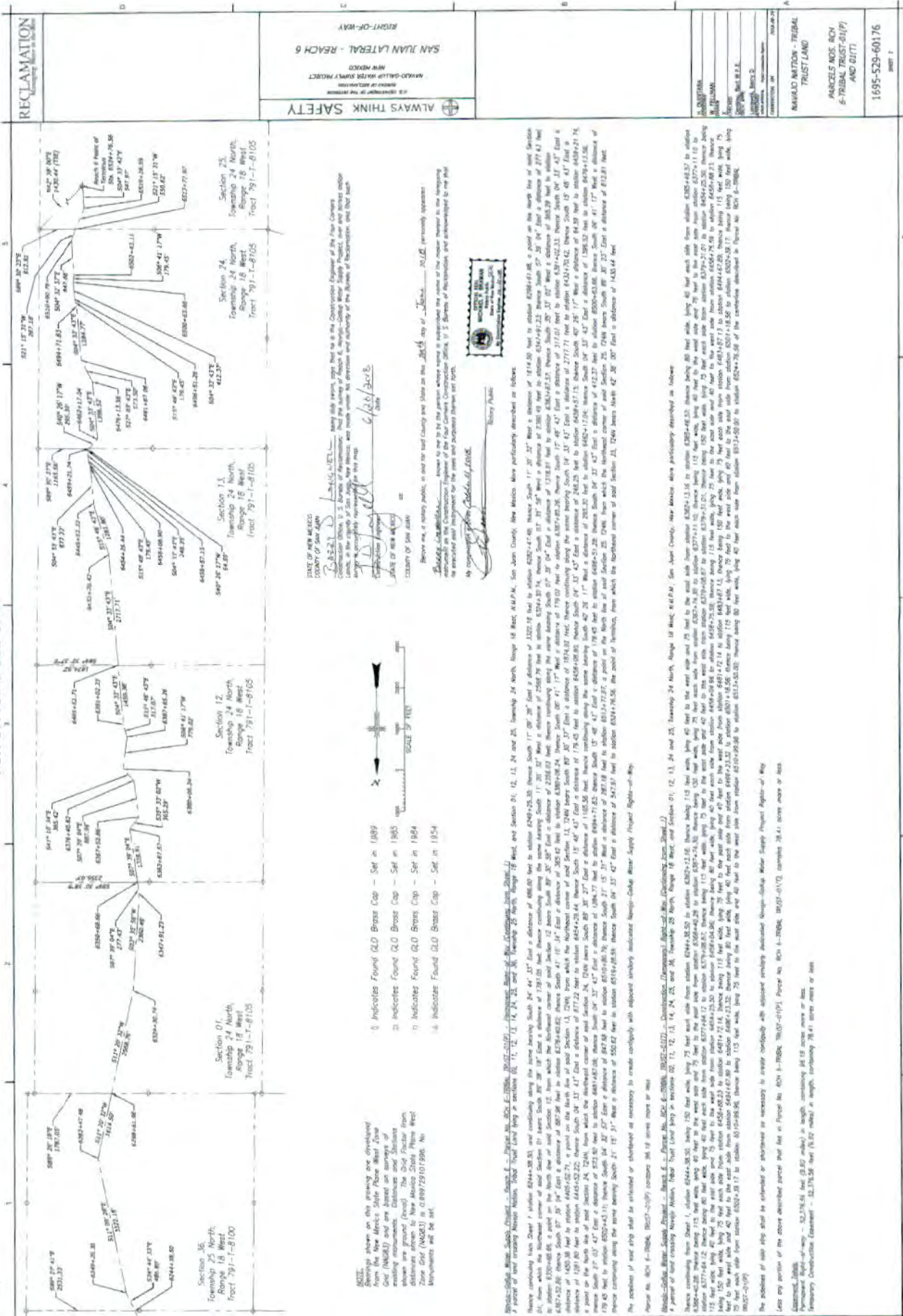
Journal: *Ecology* Article: 1000 Title: *Population dynamics of a long-lived perennial plant*

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Consentment Protocol

Permanent Flight-of-way = 32,376.56 Feet (9.92 miles) in length, containing 96.18 acres more or less.

[illegible]



**Phase I Environmental Site
Assessment for Reaches 4C to 8
of the Navajo-Gallup Water Supply
Project in San Juan County,
New Mexico**

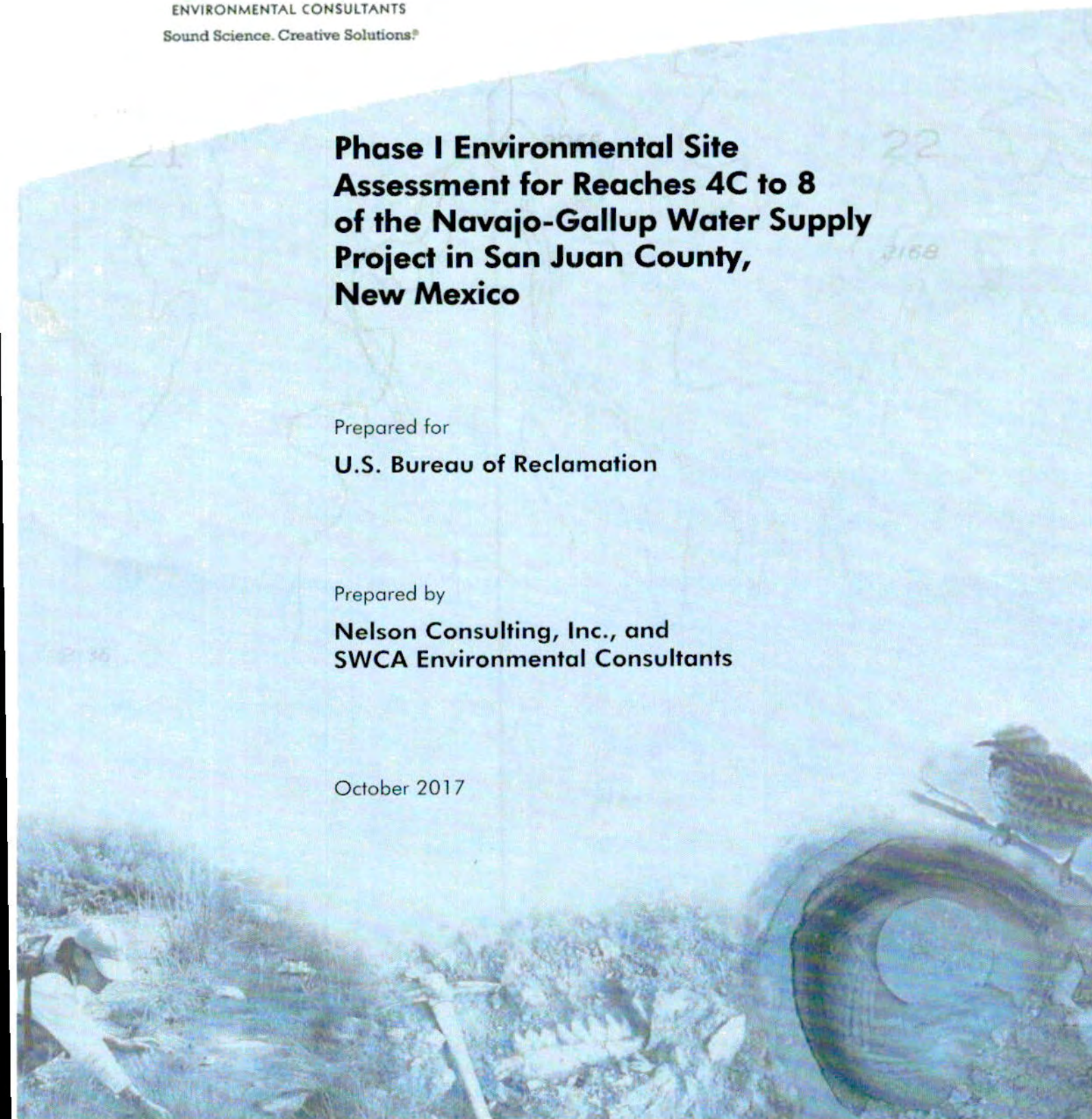
Prepared for

U.S. Bureau of Reclamation

Prepared by

**Nelson Consulting, Inc., and
SWCA Environmental Consultants**

October 2017



**PHASE I ENVIRONMENTAL SITE ASSESSMENT FOR
REACHES 4C TO 8 OF THE NAVAJO-GALLUP WATER SUPPLY
PROJECT IN SAN JUAN COUNTY, NEW MEXICO**

Prepared for

U.S. Bureau of Reclamation
Upper Colorado Region
125 South State Street, Room 6107
Salt Lake City, Utah 84138
Attn: Daniel Reinkensmeyer (Contracting Officer)

Prepared by

Nelson Consulting, Inc. and
600 Reilly Avenue
Farmington, New Mexico 87401
(505) 327-6331
www.nel-con.com

SWCA Environmental Consultants
130 Rock Point Drive, Suite A
Durango, Colorado 81301
(970) 385-8566
www.swca.com

Contract No. R13PC40003
Task Order No. R17PD00756

October 2017

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EXECUTIVE SUMMARY

This executive summary presents the results of a Phase I Environmental Site Assessment (Phase I ESA) for four contiguous reaches of the Navajo-Gallup Water Supply Project (NGWSP). The four reaches (the "subject property," or "corridor") are Reaches 4C, 6, 7, and 8, comprising approximately 30 miles of proposed pipeline alignment corridor that is 150 feet wide. The corridor runs generally along the east of U.S. Highway 491 (US 491), from mile marker 71 in the north to the town of Naschitti in the south where it meets the northern end of Reach 9. It is located on the Navajo Nation in San Juan County, New Mexico, and runs past the towns of Little Water, Newcomb, and Sheep Springs. The subject property is primarily vacant, undeveloped desert land, but it does border residential properties, agricultural properties, and passes by three towns. Most of the corridor parallels an abandoned helium pipeline.

The purpose of this Phase I ESA is to meet due diligence requirements under the Comprehensive Environmental Response, Compensation, and Liability Act as part of environmental investigations, documentation, and land acquisitions prior to construction of the NGWSP.

The following list presents selected findings of this Phase I ESA:

- SWCA Environmental Consultants' (SWCA's) review of historical aerial photographs and topographic maps did not identify any past uses of most of the subject property other than vacant desert land and some agricultural areas. Several old dumps exist east of the corridor but are not adjacent. Several gas stations exist west of the corridor, but are not adjacent. No industrial activity was observed in historical sources. The historical uses of the subject property and adjacent properties are not considered to be recognized environmental conditions (RECs) for the subject property.
- SWCA's interview with the Navajo Nation EPA's Director of Water Quality did not identify any RECs for the subject property. He noted that trash dumps along the corridor are only known to him to have contained household trash and household debris, and he is not aware of any sources of migrating contamination along these reaches that would affect the project.
- SWCA's review of the Environmental Data Resources, Inc. (EDR), environmental database search generated on August 16, 2017, and supplementary searches of New Mexico Environment Department, New Mexico Bureau of Geology and Mineral Resources, and U.S. Environmental Protection Agency databases identified the following:
 - **Five leaking underground storage tanks (LUSTs)** were identified in the vicinity of the subject property. However, all releases and suspected releases have a status of No Further Action. Therefore, they are not considered to be a REC for the subject property.
 - **Seven Solid Waste Disposal Sites** are mapped near the subject property:
 - **Naschitti Old Community Dump** is listed as an active, open surface dump with a high health threat. However, because of its distance from the subject property and its location downgradient of the subject property, it is not considered to be a REC for the subject property.
 - **Naschitti Community Dump** listed as an active, open surface dump. However, because of its distance from the subject property, its location downgradient of the subject property, and its listing as a low health threat, it is not considered to be a REC for the subject property.
 - **Sheep Springs Community Dump** is listed twice—as an active, open surface dump with a moderate health threat in one listing, and as a low health threat in the other. However, because of its distance from the subject property and its

location downgradient of the subject property, it is not considered to be a REC for the subject property.

- **Southwest of Louis Watchman Dump** is listed as an active, open surface dump. However, because of its distance from the subject property, its location downgradient of the subject property, and its listing as a low health threat, it is not considered to be a REC for the subject property.
 - **Southwest of Neli John Dump** is listed as an active, open surface dump with a moderate health threat. However, because of its distance from the subject property and its location downgradient of the subject property, it is not considered to be a REC for the subject property.
 - **Newcomb Trading Post Dump** is listed as an active, open surface dump. However, because, it is thought to contain mostly concrete and asphalt debris, and the health threat is listed as low, it is not considered to be a REC for the subject property.
 - **Littlewater Landfill** is listed as an active, open surface dump. However, because of its distance from the subject property, its location downgradient of the subject property, and its listing as a low health threat, it is not considered to be a REC for the subject property.
- SWCA's review of mapping from the New Mexico State Land Office and the New Mexico Oil Conservation Division identified several oil wells in the vicinity of the subject property, but none located on the subject property. All of the closest wells are mapped within the Tocito Oil Field north of Little Water. Because they are plugged with the site released, or were never drilled; and because no incidents, complaints, or spills were noted within the data; these wells are not considered to be a REC for the subject property.
 - SWCA's reconnaissance of the Reaches 4C to 8 corridor on August 17, 2017, verified that most of the land crossed by the corridor is vacant undeveloped desert land, with a few nearby residences. The corridor crosses many dry washes, all draining generally to the east. An abandoned helium pipeline is said to parallel most of the subject property but was not observed. No spills, stains, unusual odors, or other evidence of potential contamination was observed on or adjacent to the subject property during the site reconnaissance.
 - Abandoned sewage disposal ponds are mapped north of Naschitti in historical maps, 1,000 feet west of the subject property. Active sewage treatment ponds are located 0.25 mile east of the corridor in Naschitti, and 600 feet west of the corridor in Newcomb. Because they are not known to have produced contamination, because sewage ponds are not generally known to introduce hazardous substances or petroleum products to the environment, and because of their distance from the subject property, the ponds are not considered to be a REC for the subject property.
 - SWCA also considered the potential for subsurface contaminant vapor migration but did not identify potential off-site sources of vapor intrusion or vapor encroachment to the subject property.

SWCA has completed a Phase I ESA of the subject property based on information obtained during the site investigation and the information obtained through the activities of this Phase I ESA, excluding the limitations. The information contained in this report relates only to the subject property and should not be extrapolated or construed to apply to any other site. The description of the subject property as provided herein represents the conditions of the subject property as it existed on the date of the site reconnaissance. The contents of this report are valid for 180 days from the date of the first data collected. In this case, data were first collected on August 16, 2017 (the date of the environmental database search). The information

presented in this report is intended for the exclusive use of the U.S. Bureau of Reclamation and its affiliates. Reliance of any other parties on the information presented herein is the sole responsibility of said parties.

We have performed a *Phase I Environmental Site Assessment* in conformance with the scope and limitations of ASTM Practice E 1527 of Reaches 4C, 6, 7, and 8 of the NGWSP, in San Juan County, New Mexico, the *property*. Any exceptions to, or deletions from, this practice are described in Section 1.3 of this *report*. This assessment has revealed no evidence of *recognized environmental conditions* in connection with the *property*.

1.0 INTRODUCTION

This report presents the results of a Phase I Environmental Site Assessment (Phase I ESA) for four contiguous reaches of the Navajo-Gallup Water Supply Project (NGWSP). The four reaches (the "subject property," or "corridor") are Reaches 4C, 6, 7, and 8, comprising approximately 30 miles of proposed pipeline alignment corridor that is 150 feet wide. The corridor runs generally along the east of U.S. Highway 491 (US 491), from mile marker 71 in the north to the town of Naschitti in the south where it meets the northern end of Reach 9. It is located on the Navajo Nation in San Juan County, New Mexico, and runs past the towns of Little Water, Newcomb, and Sheep Springs. The subject property is primarily vacant, undeveloped desert land, but it does border residential properties, agricultural properties, and passes by three towns. Most of the corridor parallels an abandoned helium pipeline.

Nelson Consulting, Inc., and SWCA Environmental Consultants (SWCA) completed this Phase I ESA for the U.S. Bureau of Reclamation, in accordance with the July 24, 2017, proposed scope of work. A copy of the scope of work is included in Appendix A.

1.1 Purpose

The purpose of this Phase I ESA is to meet due diligence requirements under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) as part of environmental investigations, documentation, and land acquisitions prior to construction of the NGWSP. The NGWSP is a major infrastructure project that, once constructed, will convey a reliable municipal and industrial water supply from the San Juan River to the eastern section of the Navajo Nation, the southwestern portion of the Jicarilla Apache Nation, and the city of Gallup, New Mexico, by means of about 280 miles of pipeline, several pumping plants, and two water treatment plants. The project was authorized for construction by the Omnibus Public Lands Management Act of 2009 (Public Law 111-11) on March 30, 2009, as a major component of the Navajo Nation San Juan River Basin Water Rights Settlement in New Mexico (U.S. Bureau of Reclamation 2017).

The Phase I ESA was completed in general accordance with the standards described in the American Society for Testing and Materials (ASTM) Standard E 1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM 2013), ensuring that the report is consistent with accepted professional standards. Deletions or deviations from ASTM Standard E 1527-13 are documented in this report.

The goal of the processes established by ASTM Standard E 1527-13 is to assess the property, to the extent practical, for the potential presence of recognized environmental conditions (RECs), defined in the ASTM standard as "the presence or likely presence of any *hazardous substances* or *petroleum products* in, on, or at a *property*: (1) due to any *release* to the *environment*; (2) under conditions indicative of a *release* to the *environment*; or (3) under conditions that pose a *material threat* of a future *release* to the *environment*." De minimis conditions, which generally do not present risks of harm to public health or the environment and which generally would not be the subject of enforcement actions if brought to the attention of appropriate regulating agencies, are not RECs.

This Phase I ESA did not include activities such as inspections or sampling for the presence of asbestos-containing materials, radon, other radioactive substances, vapor intrusion, lead-based paint, non-hazardous wastes and materials, mold, or biological and medical wastes. No soil, air, or water samples were collected for this Phase I ESA.

1.2 Scope of Work

To achieve the objective referenced above, SWCA completed the following tasks. A copy of the scope of work is included in Appendix A.

- Reviewed intermittent topographic maps and/or aerial photographs.
- Surveyed relevant documents in order to assess the subject property's physiography, including a review of the local hydrogeology and geology of the surrounding area.
- Interviewed persons knowledgeable about the history of the property and vicinity.
- Reviewed applicable federal and state regulatory databases.
- Visually observed the subject property by walking and driving on and along the subject property and visually observed the surrounding properties from the subject property perimeter.

1.3 Limitations

SWCA warrants that qualified professionals in conformance with ethical business practices and industry standards prepared this report. Credentials of the individuals involved in preparing this report are included in Appendix B.

Some standard historical sources are not readily available and thus were not used to prepare this Phase I ESA. Based on our professional experience with similar historically undeveloped rural properties, Sanborn fire insurance maps were assumed to not be available for the subject property. A city directory search was not conducted for the subject property because most of it has never have been developed and does not have a street address. Because they were disturbed or obscured by pavement or vegetation, not all land surfaces within the subject property were able to be observed. A 1.6-mile segment of the reach could not be entered, due to safety concerns regarding a resident opposing the project.

Because of the size of the subject property and because much of the area is vacant land with no history of development, SWCA personnel used recent aerial photography and topographic maps to identify specific areas of the subject property that would require in-person observation. This provided information sufficient to satisfy the objectives of ASTM Standard E 1527-13. According to Section 4.5.2 of the standard,

All appropriate inquiries does not mean an exhaustive assessment of a property. There is a point at which the cost of information obtained or the time required to gather it outweighs the usefulness of the information and, in fact, may be a material detriment to the orderly completion of transactions. One of the purposes of this practice is to identify a balance between the competing goals of limiting the costs and time demands inherent in performing an environmental site assessment and the reduction of uncertainty about unknown conditions resulting from additional information. (ASTM 2013:10)

SWCA was not provided with recorded land-title records or judicial records of environmental liens and activity and use limitations (AULs). Because of the lack of available aerial photographs and U.S. Geological Survey (USGS) topographic maps, the suggested 5-year interval between photographs and topographic dates could not be followed for all photographs and maps reviewed. However, Sections 8.3 to 8.3.4 of ASTM Standard E 1527-13 allow for other historical sources to be relied upon when standard historical sources, such as historic-era aerial photographs and historical topographic maps, are not reasonably ascertainable and where past experience of the Environmental Professional indicates that

they are not likely to produce additional useful information.¹ Although not all standard historical sources dating back to 1940 were obtained for the subject property, historical topographic maps dating back to 1892 and interviews confirmed that the subject property was undeveloped in the past except for some dirt roads. At that point, historical research was deemed to be complete because the objectives in Sections 8.3.1 through 8.3.2.2 of ASTM Standard E 1527-13 were achieved: 1) develop a history of the previous uses of the property and surrounding area sufficient to identify the likelihood of past uses' having led to recognized environmental conditions in connection with the property; 2) identify all obvious uses of the property from the present, back to the property's first developed use, or back to 1940, whichever is earlier; and 3) identify the general type of use.

According to Section 8.3.2.3 of the standard, "Data failure occurs when all of the standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met" (ASTM 2013:16). While the above represents a data gap, it does not represent a data failure. Because supplemental data sources provided sufficient information, this gap in the data is not thought to have affected SWCA's ability to identify RECs on the subject property. SWCA's findings and conclusions within this assessment do not take into consideration the limitations identified in this report.

1.4 User Reliance

The information contained in this report relates only to the subject property and should not be extrapolated or construed to apply to any other location. The description of the subject property as provided herein represents the conditions of the subject property as it existed on the date of the site reconnaissance and data source searches. The information presented in this report is intended for the exclusive use of the U.S. Bureau of Reclamation and its affiliates. Reliance by any other parties on the information presented herein is the sole responsibility of said parties.

Findings are based solely on the above-referenced methods and limitations, and are valid for 180 days from the date of the first data collected. In this case, data were first collected on August 16, 2017 (the date of the environmental database search). The validity of the report can be renewed by updating the following elements:

- Interviews with owners, operators, and occupants.
- Review of federal, tribal, state, and local government records.
- Visual inspections of the subject property and of adjoining properties.
- The declaration by the Environmental Professional responsible for the assessment or update.

2.0 PROPERTY DESCRIPTION

The subject property is four contiguous reaches of the NGWSP. The four reaches are Reaches 4C, 6, 7, and 8, comprising approximately 30 miles of proposed pipeline alignment corridor that is 150 feet wide. All of the Reach 4C through 8 segments run generally in a north-south alignment, parallel to US 491 on

¹ Section 8.3.2 of ASTM Standard E 1527-13 states that "all obvious uses of the property shall be identified from the present, back to the property's first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historical sources as are necessary and both reasonably ascertainable and likely to be useful" (ASTM 2013:15). The ASTM standard also states that standard historical sources may be excluded if 1) the sources are not reasonably ascertainable,

or 2) past experience indicates that the sources are not likely to be sufficiently useful in terms of satisfying the objectives. Based on our professional experience with many similar historically undeveloped rural properties, historic-era aerial photography for the subject property is not likely to be useful in terms of satisfying the objectives.

the east side of the highway. In a few locations the alignment deviates farther east to avoid residential and agricultural holdings and structures. The northernmost reach, Reach 4C, is approximately 3.8 miles in length and begins on the east side of US 491, approximately 650 feet south of US 491 mile marker 71. Reach 4C crosses Indian Service Road (ISR) 5018, Sanostee Wash, and ISR 5092 before terminating just east of US 491 mile marker 67. Reach 6 begins at the southern terminus of Reach 4C and is approximately 10 miles in length. It crosses Tocito Wash, ISR 5009, and ISR 5 before terminating on the east side of US 491 at the junction of ISR 5004, just north of Newcomb. Reach 7 begins at the southern terminus of Reach 6 and is approximately 7.8 miles in length. It crosses ISR 5007, Tunsta Wash, and ISR 5002 before terminating approximately just east of US 491 mile marker 49.5. A proposed pumping plant will be located between Reaches 7 and 8. Reach 8 is approximately 8 miles in length and begins approximately 500 feet south-southeast of Reach 7. The alignment runs for approximately 2.2 miles from the start of Reach 8 to the community of Sheep Springs, then another 5.8 miles until terminating approximately just north of Naschitti at US 491 mile marker 42.7.

The subject property is located on the Navajo Nation in San Juan County, New Mexico, and crosses land owned by the Navajo Nation (San Juan County Assessor 2017). The subject property is primarily vacant land but also crosses through some agricultural areas. Adjacent property is mostly vacant land, with a few residences and some agricultural land. The subject property is depicted in Figures 1 and 2; detailed figures depicting the corridor on aerial photographs and topographic maps are provided in Appendix F.

3.0 PHYSICAL SETTING ANALYSIS

The following sections present physical characteristics of the subject property, as obtained from available natural history information sources.

3.1 Topography

USGS topographic maps of the region (USGS 2017a) indicate that the subject property runs along the base of the Chuska Mountains to the west, along the western part of the Chaco River valley (see Figures 1 and 2; see Appendix F). The subject property appears to generally slope toward the northeast, toward the Chaco River. Numerous named and unnamed washes are depicted originating in the Chuska Mountains, flowing northeast with the slope. The greater vicinity drains centrally to the Chaco River. The Chaco River basin drains to the north. The subject property ranges in elevation from approximately 5,545 feet above mean sea level (amsl) where it crosses major washes, to 5,980 feet amsl south of Sheep Springs.

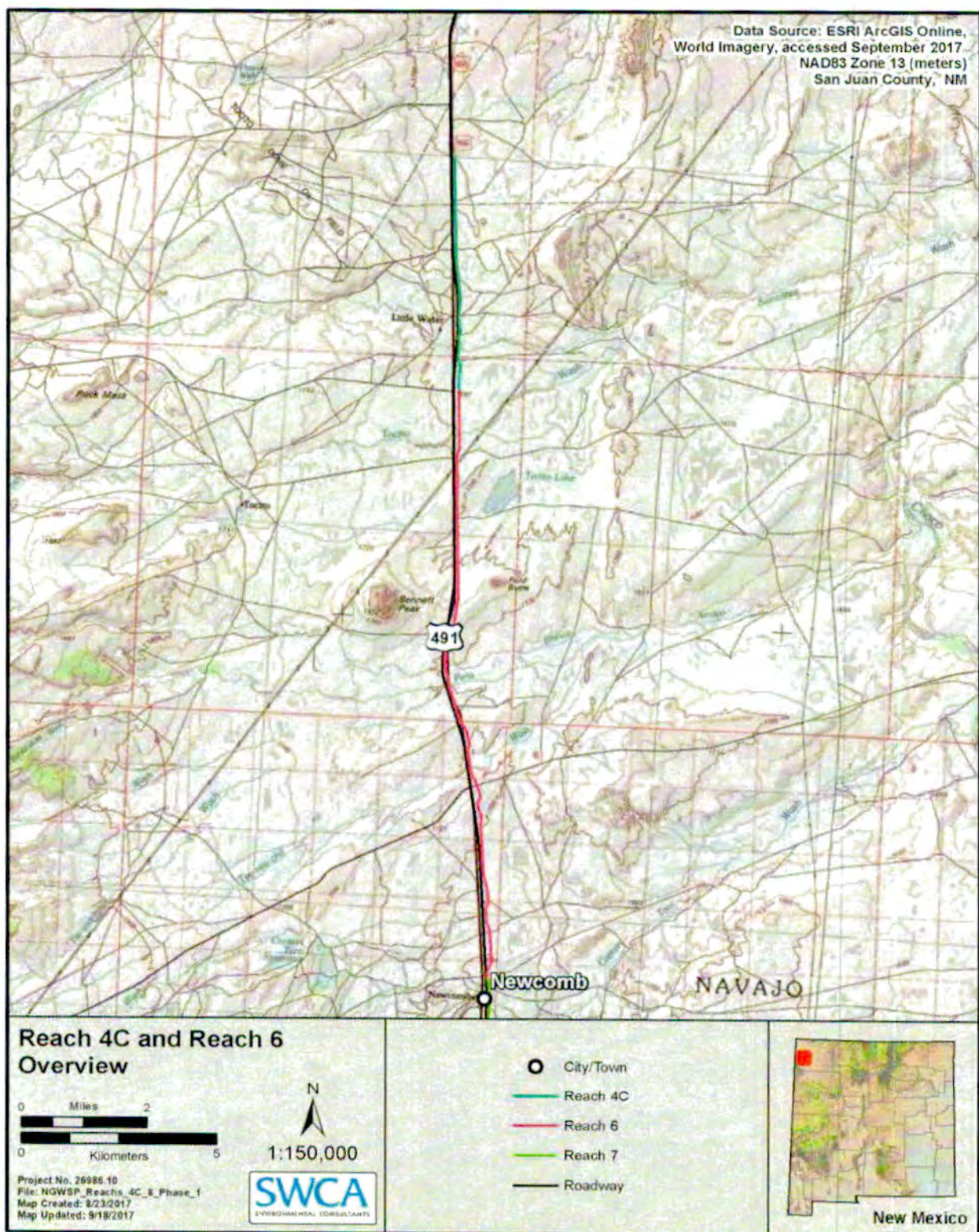


Figure 1. Northern part of subject property—Reach 4C and Reach 6.

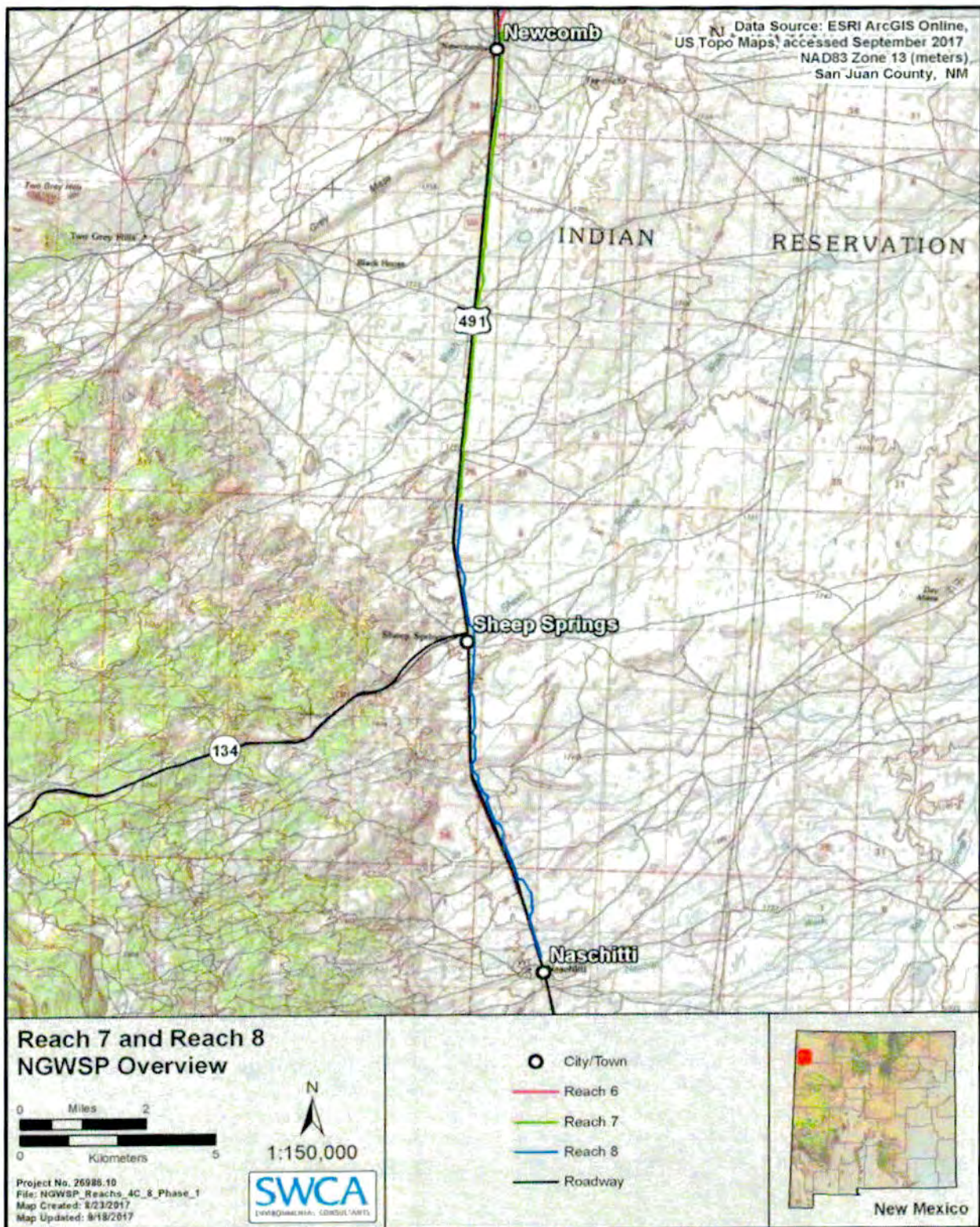


Figure 2. Southern part of subject property—Reach 7 and Reach 8.

3.2 Soils

A review of soils data from the Natural Resources Conservation Service (NRCS) (2017a) indicates that nearly all of the subject property is mapped within the Kimbeto-Farb-Denazar (s5174) soil complex, which follows land position at the base of the Chuska Mountains. A 2-mile segment north of Little Water and a 2-mile segment south of Little Water are mapped within the Persayo-Nataani-Littlehat-Lawet (s5229) soil complex. The soil series crossed by the corridor are described in Table 1 below.

Table 1. Soil Types on the Subject Property

Soil Series Name	Description
Kimbeto	Deep and very deep, well-drained soils that formed in eolian material, alluvium, slope alluvium, and residuum derived dominantly from sandstone. Permeability is moderate. Kimbeto soils are on summits of plateaus and structural benches, dipslopes of cuestas, and treads of high stream terraces.
Farb	Shallow and very shallow, excessively or somewhat excessively drained soils that formed in residuum, eolian material, colluvium, and slope alluvium derived from sandstone and shale. Farb soils are on hills, mesas, cuestas, escarpments, canyons, and structural benches.
Denazar	Deep and very deep, somewhat excessively drained soils that formed in eolian material, alluvium, and residuum derived from sandstone. Permeability is rapid or moderately rapid. Denazar soils are on eolian-mantled summits of plateaus and structural benches, and on treads of high stream terraces.
Persayo	Well drained soils that formed in slope alluvium or colluvium over residuum derived from soft sedimentary bedrock. These soils are on hills, basin floor remnants, fan remnants, dipslopes, scarp slopes, and escarpments.
Nataani	Well drained, moderately permeable soils which are moderately deep to soft bedrock. Nataani soils formed in alluvium, slope alluvium, and residuum derived from siltstone and sandstone on toeslopes of undulating plateaus and structural benches.
Littlehat	Well drained, moderately permeable, saline-sodic soils which are moderately deep to soft bedrock. Littlehat soils formed in alluvium and residuum derived from siltstone and shale on summits, footslopes, and backslopes of undulating plateaus.
Lawet	Very deep, poorly drained and very poorly drained soils formed in loamy alluvium on bottom lands. Permeability is moderate or moderately slow.

Source: NRCS (2017b).

3.3 Geology and Hydrogeology

Several washes in the vicinity flow to the northeast toward the Chaco River. The greater vicinity drains centrally to the river, which flows to the north. It is assumed that local groundwater follows this general path of moving centrally and north. The Chaco River leads north to the San Juan River near Shiprock, which flows west and joins the Colorado River at Lake Powell.

The San Juan River portion of the Upper Colorado Basin in New Mexico covers approximately 9,725 square miles, or 25%, of the total Upper Colorado drainage and consists of two subbasins, those of the San Juan River and Navajo River. The San Juan River Basin is a geologic structural basin in the Four Corners region that covers around 4,600 square miles, encompassing much of northwestern New Mexico, southwest Colorado, and parts of Arizona and Utah. The region is arid, with rugged topography of plains and valleys interspersed by buttes, canyons, and mesas. Its most striking features include Chaco Canyon and Chacra Mesa (New Mexico Water Quality Control Commission 2004). The San Juan structural basin is a large downwarp of sedimentary rocks of mostly Mesozoic age. As a geologic region, the San Juan Basin is noted for its large deposits of coal, uranium, and natural gas (U.S. Forest Service 1994).

Deposition of sediments of marine and continental origins, which commenced in early Paleozoic time, has continued in the basin with just a few intermittent interruptions. Sedimentary rocks in the central basin are at least 15,000 feet deep. Alluvium of recent age is found in and along channels of the principal streams and their tributaries and consists primarily of stream deposits and terrace gravel, both largely floodwash residuals. The San Juan River and other major streams of the basin are actively downcutting their channels, which are kept relatively free of thick accumulations of sediment through the action of flood flow and normal streamflow (Foos 1999; New Mexico Water Quality Control Commission 2004).

The subject property is also located in the Colorado Plateau physiographic region, which extends into the northwestern section of the state of New Mexico and forms the major portion of the San Juan River Basin. The area of the subject property is generally characterized by horizontal sedimentary rocks carved into a gentle relief of broad mesas and valleys, buttes, plateaus, and canyons. The area is termed the Navajo and Canyon Lands section of the Colorado Plateau province. Geomorphic processes active in the Navajo Canyonlands are deep canyon formations resulting from plateau dissection. Volcanic mountains exist, but block-fault structural mountain ranges do not. The lithology and stratigraphy of the Navajo Canyonlands includes Cretaceous, Jurassic, and Triassic sedimentary rocks, with some Quaternary and upper Tertiary sedimentary deposits and valley fills (U.S. Forest Service 1994).

USGS online spatial mineral resources data indicate that the surface geology of the majority of the subject property is mapped as the Menefee Formation (Phanerozoic | Mesozoic | Cretaceous age). This formation is coal-bearing mudstone, shale, and sandstone. The primary rock type is fine-grained mixed clastic, and other rock types are coal and limestone. The corridors of major washes crossing the subject property, as well as the corridor of the Chaco River, are mapped as upper and middle Quaternary alluvium. Smaller segments of the subject property near Little Water are also mapped in bands of Mancos shale, and Point Lookout marine sandstone (USGS 2017b).

Point of diversion data from the New Mexico Office of the State Engineer (2014) identifies a few water wells near the northern part of the subject property, but depth to water data were not provided. No water wells are mapped on the subject property in this data source. Topographic mapping also does not depict wells or windmills on the subject property.

4.0 HISTORICAL PROPERTY USES AND RECORDS REVIEW

The history of the subject property and adjacent properties was reviewed in accordance with the applicable ASTM standards, except as noted in Section 1.3. Historical uses of the subject property were determined based on a review of readily available, reasonably ascertainable historical data, including historical topographic maps and aerial photographs. Based on our professional experience with similar historically undeveloped rural properties, Sanborn fire insurance maps were assumed to not be available for the subject property. A city directory search was not conducted for the subject property because it is thought to never have been developed and does not have a street address.

4.1 Historical Map Review

SWCA reviewed USGS topographic maps of the area dated between 1892 and 1992. SWCA obtained the maps from the USGS national geologic map database (USGS 2017b). A summary of SWCA's evaluation of the reviewed topographic maps is provided in Table 2.

Table 2. Summary of Historical Topographic Map Interpretation

Date of Topographic Map	Observations
1892 Chaco 1:250,000	At this time the subject property and vicinity is mostly depicted as vacant, undeveloped land with a few roads. One road runs generally in the current alignment of US 491, but only from mile marker 61 and south. A settlement named Sulphur Spring was also mapped at mile marker 61. Of the towns present today, only Sheep Spring was mapped.
1954 Shiprock 1:250,000	By 1954, US 491 was in place, but was then named US 666. The other towns now present are depicted in this map. Several new dirt roads were also in the area.
1969 Little Water, Naschitti, and Sheep Springs; 1970 Newcomb; 1978 Naschitti and Sheep Springs 1:24,000	These maps depict structures and many dirt roads in the vicinity of the subject property, and a gravel pit on the subject property just east of US 491 mile marker 46.5. No other features pertinent to this report are depicted.
1981 and 1992 Toadlena 1:100,000	No features pertinent to this report are depicted in these maps.

4.2 Historical Aerial Photograph Review

SWCA also reviewed historical aerial photographs of the subject property spanning from 1984 to 2016 (Google Earth 2017), subject to the discussion in Section 1.3 above.

Aerial photographs dated from 1984 to 1991 had insufficient resolution for detailed review, but the subject property and surrounding area appear to have been mostly rural undeveloped land. No mines or other significant disturbances were noted.

In the 1997 photograph, the gas station in Little Water appears to have been present west of US 491. A borrow pit was evident on the subject property 300 feet north of ISR 5092. A gas station was northwest of the intersection of US 491 and ISR 5, and a transfer station was southeast of the intersection, less than 100 feet from the subject property. The reach crossed through a few areas with agricultural use as well, and some residences are located adjacent to the reach. What appear to be sewage treatment ponds are visible 950 feet west of the reach, at the school south of Newcomb. Just north of Naschitti it appears that the old sewage treatment ponds 950 feet southwest of the reach had been decommissioned by 1997, and the new treatment ponds 0.25 mile east of the reach were in use. In one 5-acre area east of US 491 mile marker 48.3, the soil appears dark in aerial photographs, and may have been the location of a fire.

One area along the eastern edge of the reach corridor appears to be a pile of debris and trash, possibly including several 55-gallon drums. This area is 110 feet north of ISR 5022 (just east of US 491 mile marker 57.3) and was first evident in the 2012 photograph. No other features pertinent to this report are apparent on or adjacent to the subject property in the photographs leading up to 2016.

4.3 Adjacent Properties

Except for roadways, some residences, and some farmland, most adjacent property is undeveloped vacant desert land. Several old dumps exist east of the corridor but are not adjacent. Several gas stations exist west of the corridor, but are not adjacent. No industrial activity was observed in historical sources. Current photographs of the subject property and surrounding areas are provided in Appendix C.

4.4 Previous Phase I ESA Reports

SWCA is not aware of and did not review previous Phase I ESAs or other relevant environmental reports for the subject property.

4.5 Interviews

On October 24, 2017, SWCA staff spoke with Mr. Steve Austin, Director of Water Quality for the Navajo Nation EPA. He said that as far as he knows, the trash dumps mapped along the corridor were mostly surface dumps, and consisted only of household trash and household debris, and he is not aware of any sources of migrating contamination in the area that would affect the project. A Phase I ESA User Questionnaire for the subject property was not returned to SWCA. Documentation of the above correspondence is provided in Appendix D

5.0 ENVIRONMENTAL REGULATORY REVIEW

SWCA conducted an environmental regulatory review to establish the environmental history of the subject property and surrounding area to ascertain whether hazardous waste or hazardous material management, handling, treatment, or disposal activities have occurred on or near the subject property.

5.1 Federal and State Environmental Records

An environmental database report generated by Environmental Data Resources, Inc. (EDR), on August 16, 2017, was used to access environmental records for a 1-mile buffer around the subject property (Appendix E). The databases searched by EDR include those specified by ASTM Standard E 1527-13, as well as several additional federal and state databases and databases proprietary to EDR. ASTM's standard search distances were followed, as detailed in Table 3. EDR updates its records in accordance with ASTM Standard E 1527-13 guidelines. Additional listed facilities that EDR has not identified may exist within the 1-mile radius.

Table 3. Approximate Minimum Search Distances

Record Sources	Approximate Minimum Search Distance (miles)
Federal Databases	
National Priorities List (NPL)	1.0
Delisted NPL	0.5
Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) / CERCLIS No Further Remedial Action Planned (NFRAP) sites	0.5
Resource Conservation and Recovery Act (RCRA) Corrective Action Sites (CORRACTS) facilities	1.0
RCRA non-CORRACTS Treatment Storage and Disposal facilities	0.5
RCRA generators list	Property and adjoining
Institutional control/engineering control registries	Property only
Emergency Response Notification System (ERNS)	Property only

Table 3. Approximate Minimum Search Distances (Continued)

Record Sources	Approximate Minimum Search Distance (miles)
State and Tribal Databases	
NPL	1.0
CERCLIS	0.5
Landfill and/or solid waste disposal site lists	0.5
Leaking storage tank lists	0.5
Registered storage tank lists	Property and adjoining
Institutional control / engineering control registries	Property only
Voluntary cleanup sites	0.5
State and tribal Brownfield sites	0.5

Source: ASTM (2013)

SWCA also reviewed supplemental records from state regulatory databases at:

- the New Mexico Environment Department's (NMED's) Ground Water Quality Bureau Mapping Application, EGIS Mapping Application, Petroleum Storage Tank Bureau GoNM Mapping Application, and Source Water Protection Atlas (SWPA) Mapping Application (NMED 2017a, 2017b, 2017c, 2017d);
- the New Mexico Bureau of Geology and Mineral Resources (2017) interactive geographic information system (GIS) mapping application; and
- the U.S. Environmental Protection Agency's (EPA's) Envirofacts database (EPA 2017), to search additional federal databases.

The NMED's Ground Water Quality Bureau and EGIS applications include data for abatement sites, brownfields, hazardous waste facilities, underground storage tank (UST) and leaking underground storage tank (LUST) facilities, landfills and solid-waste facilities, and voluntary remediation sites. The GoNM application includes aboveground storage tank (AST), UST, and LUST facilities; and data from the EPA's Toxics Release Inventory. The SWPA application includes much of the above, plus petroleum pools, uranium and asbestos deposits and mines, and other data layers. The EPA Envirofacts database includes data from the Resource Conservation and Recovery Act Information (RCRAInfo) database, which collects information for all generators, transporters, treaters, storers, and disposers of hazardous waste. A copy of the EDR report and pertinent state records are included in Appendix E.

SWCA's review of EDR's environmental database report and supplemental state databases identified several listings in the vicinity of the subject property. Sufficient information was presented for nearby listings in the EDR report such that no additional in-person file review was necessary. The following facilities were among those identified in the environmental database listings:

- **Littlewater Express #522** (aka, Tocito Trading Post), located 1,000 feet west of the reach, is listed in the LUST database. However, cleanup was completed with a status of No Further Action as of 2008.
- **Littlewater Landfill**, located 1,000 feet east of the reach, is listed as an active, open surface dump with a low health threat.

- **Central Consolidated School District #22 Newcomb Bus Barn**, located adjacent to the east of the reach, is listed in the LUST database. However, cleanup was completed with a status of No Further Action as of 1999. This facility currently has three fuel USTs in use that were installed in 1986.
- **Newcomb Trading Post**, formerly located 550 feet west of the reach, is listed in the LUST database. However, cleanup was completed with a status of No Further Action as of 2008.
- **Southwest of Neli John Dump** is mapped 0.36 mile west of the reach, north of Newcomb. It is listed as an active, open surface dump with a moderate health threat.
- **Newcomb Trading Post Dump** is mapped 750 feet west of the reach, north of Newcomb. It is listed as an active, open surface dump with a low health threat.
- **Southwest of Louis Watchman Dump** is mapped 0.33 mile west of the reach, west of US 491 mile marker 49.4. It is listed as an active, open surface dump with a low health threat.
- **Sheep Springs Community Dump** is mapped in two locations, 0.2 mile east of the reach, east of US 491 mile markers 48.5 and 49.65. It is listed as an active, open surface dump with a moderate health threat in one listing and a low health threat in the other.
- **Red Mesa Trading Company**, formerly located 650 feet west of the reach, is listed in the LUST database. However, the suspected release has a status of No Further Action as of 2005.
- **Naschitti Community Dump** is mapped 0.4 mile east of the reach, north of Newcomb. It is listed as an active, open surface dump with a low health threat.
- **Naschitti Old Community Dump** is mapped 0.3 mile east of the reach, north of Newcomb. It is listed as an active, open surface dump with a high health threat.
- **Naschitti School**, located 0.3 mile south-southwest of the reach, is listed in the LUST database. However, the suspected release has a status of No Further Action as of 2008.

In addition to the sites/facilities listed in the EDR database report, EDR provides a list of sites or facilities that are listed in one or more regulatory agency databases but could not be mapped because of incomplete address or location information. The EDR report identified 49 such sites, and SWCA reviewed each listing. SWCA determined that none of the sites were relevant to the subject property because of their location, status, and/or the type of database in which they were listed.

SWCA also considered the potential for subsurface contaminant vapor migration but did not identify potential off-site sources of vapor intrusion or vapor encroachment to the subject property.

5.2 Oil and Gas Wells

SWCA reviewed mapping from the New Mexico State Land Office (2017) and the New Mexico Oil Conservation Division (2017) to identify oil and gas wells on and near the subject property. These sources identified several oil wells in the vicinity of the subject property, but none located on the subject property. All of the closest wells are mapped within the Tocito Oil Field north of Little Water. All of these wells are either plugged with the site released, or were never drilled. No incidents, complaints, or spills were noted within the data for any of the above wells.

6.0 PROPERTY RECONNAISSANCE

Cara English of Nelson Consulting, Inc., and Eilene Lyon of SWCA completed the Phase I ESA site investigation for the subject property on August 17, 2017. The subject property was observed by driving to and walking on the subject property, subject to the discussion in Section 1.3 above. They met with Ms. Hilda Castillo-Smith, of the U.S. Bureau of Reclamation, prior to observing the subject property. Details from that conversation have been integrated into the description below, and photographs taken during the property reconnaissance are included in Appendix C.

6.1 Property Inspection

Upon arrival at the southernmost end of the corridor, conditions were partly cloudy and approximately 75 degrees Fahrenheit. The corridor was observed from south to north, and the subject property and adjacent properties are further described below. All distances are approximate.

Most of the land crossed by the corridor is vacant undeveloped desert land, with a few nearby residences. The corridor crosses many dry washes, all draining generally to the east. An abandoned helium pipeline is said to parallel most of the subject property but was not observed. Other observations are described in Table 4 below with corresponding mile markers for locational reference. Pertinent observations are mapped in the detail figures in Appendix F.

Table 4. Observations of the Subject Property and Adjacent Areas

US 491 Mile Marker	Observations
41.7	The southern terminus of the corridor, just north of Naschitti, east of US 491. The adjacent area includes nearby corrals and residences, as well as a two-chambered sewage treatment lagoon. The lagoon is 0.25 mile east of and downgradient of the corridor.
41.7	Former sewage ponds are 0.2 mile west-southwest of the corridor here. Several manholes were in the area at the former ponds, and some possible cisterns filled with soil. No evidence remains of the old ponds themselves.
42.0	The Naschitti Community Dump and Old Community Dump are 0.4 and 0.3 mile east of and downgradient of the corridor. Observed debris included mostly bottles and cans, tires, concrete, and other inert debris. No evidence of industrial or chemical waste was observed.
42.1	An old cemetery is to the east of the corridor.
42.4 to 43.9	A 1.6-mile segment of the corridor could not be entered, due to safety concerns regarding a resident opposing the project. Appears to only cross vacant desert land with a few nearby residences and structures.
46.4	An old hogan is on the subject property here.
46.6	Part of an old gravel pit is present on the subject property, but appears abandoned and only some concrete debris was observed.
47.15	The adjacent area includes the former Red Mesa Trading Post, now Sheep Springs gas station, which is west of US 491 and includes fuel USTs.
47.4	A gabion basket check dam was observed within a wash on the subject property.
48.25	A small concrete pad is on the subject property at this location.
48.3	Some debris and dirt piles are present east of the corridor at this location.
48.6	The Sheep Springs Community Dump is 0.2 mile east of and downgradient of the subject property here. The dump had the appearance of an old closed landfill that has been mostly covered with soil. Observed debris was mostly bottles and cans, household trash, tires, concrete, and other inert debris. No evidence of industrial or chemical waste was observed.

Table 4. Observations of the Subject Property and Adjacent Areas (Continued)

US 491 Mile Marker	Observations
56.4	Treatment ponds for the Newcomb High School are present 550 feet west of the subject property. They appeared modern in construction.
56.9	Asphalt and concrete were observed west of the highway, presumably remains from the former Newcomb Trading Post.
57.1	Newcomb Trading Post Dump was observed 700 feet west of the subject property. This area contained mostly concrete and asphalt debris along the north side of a wash.
57.2	The Newcomb Bus Barn is adjacent to the east of the corridor here. Surrounded by a fence, the area appeared well maintained.
57.3	A residential property is adjacent to the east. Within the subject property, several burn barrels were observed.
60.35	Intersection of US 491 and ISR 19 is in this area. A transfer station is nearly adjacent to the west of the subject property, and includes dumpsters and appliances. A Shell gas station is 600 feet west of the subject property here and includes fuel USTs.
61.0	Two water wells are nearly adjacent to the east of the subject property here. One has a sealed cover and had some water leakage at the base. The other feeds a cattle trough.
62.1	Water seeping from an area east of the subject property was observed. No well was observed in the area.
63.6	This is one of several areas where remnants of the old highway are evident west of the subject property. All that remains is a gravelly surface.
66.3	A concrete box east of the highway and west of the subject property, with old hinged wooden doors covering the top.
66.3	The Littlewater Landfill is mapped 900 feet east of and downgradient of the subject property here. Three parallel rows of mounded soil are the only visible evidence of past use.
67.55	The subject property crosses an old borrow pit here. No evidence of dumping or other use was observed.
68.25	Littlewater Express gas station is 550 feet west of the subject property here and includes fuel USTs.
70.1	A graded area here had signs indicating a pipeline crosses the subject property in an east-west alignment.
70.4	A plugged oil well is mapped here, 350 feet east of the subject property. All that remains is a metal pipe from the ground and some debris. No evidence of staining was observed.
70.9	Northern terminus of the subject property. Highway to the west and vacant desert in other directions.

No evidence of spills, staining, unusual odors, or potential sources of contamination was observed on or adjacent to the subject property during the site reconnaissance.

7.0 PHASE I ESA FINDINGS

The following list presents selected findings of this Phase I ESA:

- SWCA's review of historical aerial photographs and topographic maps did not identify any past uses of most of the subject property other than vacant desert land and some agricultural areas. Several old dumps exist east of the corridor but are not adjacent. Several gas stations exist west of the corridor, but are not adjacent. No industrial activity was observed in historical sources. The historical uses of the subject property and adjacent properties are not considered to be RECs for the subject property.
- SWCA's interview with the Navajo Nation EPA's Director of Water Quality did not identify any RECs for the subject property. He noted that trash dumps along the corridor are only known to

him to have contained household trash and household debris, and he is not aware of any sources of migrating contamination along these reaches that would affect the project.

- SWCA's review of the EDR environmental database search generated on August 16, 2017, and supplementary searches of New Mexico Environment Department, New Mexico Bureau of Geology and Mineral Resources, and EPA databases identified the following:
 - **Five leaking underground storage tanks (LUSTs)** were identified in the vicinity of the subject property. However, all releases and suspected releases have a status of No Further Action. Therefore, they are not considered to be a REC for the subject property.
 - **Seven Solid Waste Disposal Sites** are mapped near the subject property:
 - **Naschitti Old Community Dump** is listed as an active, open surface dump with a high health threat. However, because of its distance from the subject property and its location downgradient of the subject property, it is not considered to be a REC for the subject property.
 - **Naschitti Community Dump** listed as an active, open surface dump. However, because of its distance from the subject property, its location downgradient of the subject property, and its listing as a low health threat, it is not considered to be a REC for the subject property.
 - **Sheep Springs Community Dump** is listed twice—as an active, open surface dump with a moderate health threat in one listing, and as a low health threat in the other. However, because of its distance from the subject property and its location downgradient of the subject property, it is not considered to be a REC for the subject property.
 - **Southwest of Louis Watchman Dump** is listed as an active, open surface dump. However, because of its distance from the subject property, its location downgradient of the subject property, and its listing as a low health threat, it is not considered to be a REC for the subject property.
 - **Southwest of Neli John Dump** is listed as an active, open surface dump with a moderate health threat. However, because of its distance from the subject property and its location downgradient of the subject property, it is not considered to be a REC for the subject property.
 - **Newcomb Trading Post Dump** is listed as an active, open surface dump. However, because, it is thought to contain mostly concrete and asphalt debris, and the health threat is listed as low, it is not considered to be a REC for the subject property.
 - **Littlewater Landfill** is listed as an active, open surface dump. However, because of its distance from the subject property, its location downgradient of the subject property, and its listing as a low health threat, it is not considered to be a REC for the subject property.
- SWCA's review of mapping from the New Mexico State Land Office and the New Mexico Oil Conservation Division identified several oil wells in the vicinity of the subject property, but none located on the subject property. All of the closest wells are mapped within the Tocito Oil Field north of Little Water. Because they are plugged with the site released, or were never drilled; and because no incidents, complaints, or spills were noted within the data; these wells are not considered to be a REC for the subject property.

- SWCA's reconnaissance of the Reaches 4C to 8 corridor on August 17, 2017, verified that most of the land crossed by the corridor is vacant undeveloped desert land, with a few nearby residences. The corridor crosses many dry washes, all draining generally to the east. An abandoned helium pipeline is said to parallel most of the subject property but was not observed. No spills, stains, unusual odors, or other evidence of potential contamination was observed on or adjacent to the subject property during the site reconnaissance.
- Abandoned sewage disposal ponds are mapped north of Naschitti in historical maps, 1,000 feet west of the subject property. Active sewage treatment ponds are located 0.25 mile east of the corridor in Naschitti, and 600 feet west of the corridor in Newcomb. Because they are not known to have produced contamination, because sewage ponds are not generally known to introduce hazardous substances or petroleum products to the environment, and because of their distance from the subject property, the ponds are not considered to be a REC for the subject property.
- SWCA also considered the potential for subsurface contaminant vapor migration but did not identify potential off-site sources of vapor intrusion or vapor encroachment to the subject property.

8.0 PHASE I ESA CONCLUSIONS

SWCA has completed a Phase I ESA of the subject property based on information obtained during the site investigation and the information obtained through the activities of this Phase I ESA, excluding the limitations.

We have performed a *Phase I Environmental Site Assessment* in conformance with the scope and limitations of ASTM Practice E 1527 of Reaches 4C to 8 of the NGWSP, in San Juan County, New Mexico, the *property*. Any exceptions to, or deletions from, this practice are described in Section 1.3 of this *report*. This assessment has revealed no evidence of *recognized environmental conditions* in connection with the *property*.

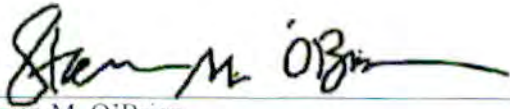
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10.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

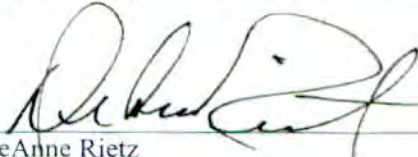
We declare that, to the best of our professional knowledge and belief, we meet the definition of environmental professional as defined in §310 of 40 Code of Federal Regulations (CFR) 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR 312. Our qualifications are presented in Appendix B of this report.



Steven M. O'Brien
Project Manager / Environmental Professional

October 27, 2017

Date

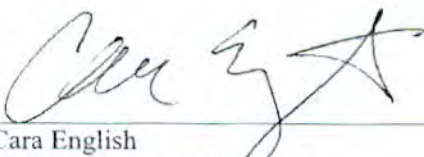


DeAnne Rietz
Hydrologist / Environmental Professional

October 27, 2017

Date

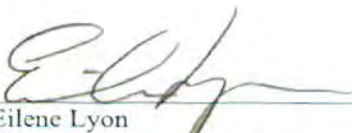
Fieldwork and reporting support was conducted in conformance with ethical business practices and industry standards by staff with the education, training, and experience to assess a property of the nature, history, and setting of the site. Fieldwork was conducted under the direction of the Environmental Professionals.



Cara English
Natural Resources Specialist

October 27, 2017

Date



Eilene Lyon
Natural Resources Specialist

October 27, 2017

Date

Scope of Work for a Phase I Environmental Site Assessment

Nelson Consulting, Inc. (NCI) and SWCA Environmental Consultants (SWCA) will complete a Phase I Environmental Site Assessment (ESA) for the approximately 4.6-mile long Reach 1 of the NGWSP in San Juan County, New Mexico. The Phase I ESA will be completed in general accordance with the standards described in American Society for Testing and Materials (ASTM) Standard E 1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (2013), which ensures the report is consistent with accepted professional standards.

The goal of the Phase I ESA is to assess the subject property, to the extent practical, for the potential presence of recognized environmental conditions (RECs), defined in ASTM Standard E 1527-13 as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions." The following scope of work applies to a Phase I ESA, and consists of five subtasks.

1.1 Records Review

We will review appropriate documents including historical aerial photographs, topographic maps, and other land-use documents in order to identify past operations or activities that may have caused the release of hazardous substances into the environment. We assume that because of the rural setting and primary nature of the subject property as vacant desert land, Sanborn Fire Insurance Maps and City Directories will not be available and historical aerial photographs would not provide useful information. Because obtaining historical aerial photography of a long corridor may be cost-prohibitive, we will only order historical aerial photography as needed to determine prior land use types.

If made available by the client, we also will review copies of environmental reports previously prepared for the site, environmental compliance audits, environmental permits, environmental liens and activity and use limitations (AULs), and other available environmental documents relating to the site. If provided by the client, specialized knowledge of or experience relating to the property or nearby properties will be reviewed. As part of the review process, site location, hydrogeological characteristics, geographic setting, and physiography also will be summarized.

Additionally, available state and federal regulatory databases will be reviewed to determine whether the subject property or nearby facilities have been subject to environmental actions or review. The regulatory database review will, at a minimum, include the databases required to satisfy the ASTM standard. If the subject property or an adjoining property appears on a federal, state, or tribal database, the ASTM standard requires additional in-person regulatory file review unless the environmental professional determines that a file review is unnecessary and/or that the records cannot be obtained within a reasonable time (20 calendar days from the date of request) for a reasonable cost.

1.2 Interviews

If site contact and/or property owner contact information is made available by the client, we will attempt to interview those individuals who are knowledgeable about the history of the site (typically, a past or current owner, operator, manager, or occupant of the site). Reasonable

attempts will be made to interview at least one staff member of state or local government agencies regarding information that indicates RECs in connection with the property.

1.3 Site Reconnaissance

SWCA and NCI personnel will conduct a reconnaissance of the site and vicinity to visually identify and photograph areas with potential RECs and to document current site conditions. Because much of the site is vacant land with no history of development, SWCA personnel will use aerial photography and topographic maps to identify specific areas of the project area that will require in-person observation. SWCA personnel will then conduct a reconnaissance of those areas and adjacent land to visually identify and photograph areas with potential RECs and to document current site conditions. This scope of work does not include activities such as collecting or analyzing soil, air, water, or other environmental samples and will not address issues such as radon, asbestos, lead, or radioactivity. We will visually inspect the property and the interiors of structures (if any) where hazardous chemicals and petroleum products are stored or used. SWCA personnel will require access to all areas of the subject property on the day of the site reconnaissance. Access to private or restricted areas and any necessary work permits will be arranged by a client representative.

1.4 User-Provided Information

User-provided information is an essential component of the Phase I ESA and includes items such as copies of any previous Phase I ESAs or other relevant environmental documents, a completed Phase I ESA User Questionnaire, the reason why the Phase I ESA is being performed, access to the subject property, and contact information for current or past owners or land users. The user of the report is defined as the party seeking to use ASTM Standard E 1527-13 to complete a Phase I ESA of the property.

The ASTM standard also requires that the user of the Phase I ESA report must search recorded land-title records and judicial records for environmental liens and AULs and must report this information to SWCA, as the environmental professional writing the Phase I ESA report. Environmental liens and AULs can commonly be found within recorded land title records (e.g., County Recorder/Registry of Deeds). The types of title reports that may disclose environmental liens and AULs include Preliminary Title Reports, Title Commitments, Condition of Title, and Title Abstracts. In jurisdictions where environmental liens or AULs are only recorded or filed in judicial records, the judicial records must be searched for environmental liens and AULs. The user may wish to engage a title company, real estate attorney, or title professional to undertake a review of reasonably ascertainable recorded land-title records and lien records for environmental liens and AULs. If the user opts not to search for liens and AULs, this would be noted as a limitation of the report.

A 50-year chain-of-title report and a search for liens and AULs will not be obtained by SWCA under this scope of work. SWCA will, however, review a chain-of-title report and lien search if supplied by the client, or we will obtain these data at an additional cost to this scope of work, if requested by the client.

1.5 Report Generation

The Phase I ESA findings will be summarized and documented in one report. Sections within the report will include 1) an introduction and description of the scope of work; 2) a description of the site; 3) a summary of the site history, including interviews and user-provided information; 4) a regulatory database review; 5) a description of the site reconnaissance; and 6) report findings and conclusions. Deviations from ASTM E 1527-13 will be explained and justified. The potential for contaminant migration, including vapor in the subsurface, will be assessed in accordance

with ASTM Standard E 1527-13; however, a formal ASTM Standard E 2600-10 Vapor Encroachment Screening to identify vapor encroachment conditions will not be conducted as part of this scope of work. Report limitations and literature cited will also be included. Figures, at a minimum, will include 1) a regional site location map; and 2) an aerial photograph. Where applicable, report appendices could include 1) reproductions of select aerial photographs; 2) a copy of the regulatory database review report; 3) select site photographs; 4) applicable site history and prior-use documentation; and 5) copies of relevant environmental reports.

According to ASTM Standard E 1527-13, the content of a Phase I ESA is valid for only 180 days. If the date of the intended use for Phase I ESA is not within 180 days of the completion of the report, an update will be necessary.

Cost

Cost to complete the Phase I ESA: Fixed-Fee of [REDACTED] (does not include New Mexico Gross Receipts Tax).

Schedule

We will perform the work and produce a draft report within three (3) weeks from the date of notice to proceed. Upon receipt of comments we will provide a final draft within five (5) business days. Upon approval by Reclamation of the final draft, we will provide the final ink-signed hard copies and electronic copy to Reclamation within three 3 business days

Assumptions

1. The draft Phase 1 report will be delivered in electronic format and the final report will be delivered as 3 hard copies and in electronic format. Substantial report revisions such as changes to the scope of work or the project area will incur additional cost
2. The client will provide detailed site mapping prior to commencement of work.
3. Access to private or restricted areas and any necessary work permits will be arranged by a client representative. All areas of the site are reasonably accessible and access will be provided to the interiors of any areas where hazardous chemicals and petroleum products are stored or used. Delays due to weather or the client will incur additional cost.
4. Any task not expressly described herein is not included in the proposed cost.
5. The Phase I ESA will be prepared in general accordance with ASTM standards and does not include any sampling such as soil, air, water, vapor, lead, or asbestos.
6. The date of the intended use of the Phase I ESAs is within 180 days of the completion of the report.

Education / Training

- B.A., Biology / Chemistry,
Gettysburg College; 1994

Expertise

- ESAs, EDDAs, EBSs
- Wetland delineation and hydric soils
- Stream channel assessment and restoration
- State/National Environmental Policy Act (S/NEPA) documentation
- Protected species
- 404/401 permitting
- Construction oversight
- Project management

Relevant Projects

- Phase I EDDAs for nine Airport Expansion Projects
- Phase I ESA and SWPPP Review for Trucking Facilities; Rayne, Louisiana
- 52-square-mile Phase I ESA for Wind Farm Construction; Colorado
- 43,000-acre Phase I ESA for Wind Farm Construction; Williams, Arizona
- Numerous Phase I ESAs for oil & gas facilities; Wyoming, North Dakota
- 4,500-acre Phase I ESA for Wind Farm Construction; New Mexico
- Phase I ESA of Former Naval Depot for Redevelopment; Guam
- 86-mile Transmission Line Phase I ESA and Wetland Delineation; Florence, South Carolina
- Several Phase I ESA for Solar Development; California, Arizona, New Mexico, and Hawaii
- 950-acre Phase I ESA and Wetland Delineation; Fort Stewart, Georgia
- EBS for Wastewater Treatment Plant Improvements; Schofield Barracks U.S. Army Post, Honolulu, Hawaii

Mr. O'Brien is an Environmental Specialist in SWCA's Phoenix, Arizona office. He has 20 years of experience in environmental consulting and technical writing, including 17 years of extensive experience performing Phase I environmental site assessments (ESAs), and is an integral part of SWCA's NEPA team.

He has performed numerous ESAs in a variety of locations, from uninhabited deserts and mountains to dense metropolitan settings in 24 states and Guam, from tiny parcels to 600-square mile assemblages, including numerous wind and solar sites, a U.S. Environmental Protection Agency (EPA) Superfund site and Department of Defense sites. He teaches others to conduct ESAs and has prepared and taught classroom and field sessions on ESA field and writing techniques. He has been an expert witness for ESA cases. His specialties include performing FAA-Standard Phase I Environmental Due Diligence Audits (EDDAs) for airport projects and using ASTM Standard 2247-08 for large-scale projects. He is skilled in applying the principles of ESAs to Environmental Baseline Surveys (EBSs) for Department of Defense sites and classification of environmental condition of property area types. He manages the large and difficult Phase I ESAs for SWCA.

Mr. O'Brien is also experienced in performing soil mapping, wetland delineations, habitat assessments, permitting, protected species, and stream morphology assessments. He has delineated more than 40,000 acres of wetlands and has performed assessment, design, and construction oversight for more than 250 stream stabilization sites. He has completed M.A.-level coursework in soil characterization and hydric soils. He has extensive experience performing construction oversight and has experience training contractors, staff, and local officials.

Mr. O'Brien has extensive plant, soil, and hydrology fieldwork experience, in locations from coastal marshes to deserts to high in the Rocky Mountains. He has been 40-hour Hazardous Waste and Emergency Response (HAZWOPER)-certified since 1996, earned a Watershed Training Certificate from the EPA, and a Water Supply Watershed Protection certificate.

DEANNE RIETZ, M.S., CPESC, PROJECT MANAGER

Ms. Rietz is a hydrologist and project manager in SWCA's Phoenix office, with more than 18 years of experience. Throughout her career, she has conducted extensive research for compliance with the National Environmental Policy Act (NEPA), Sections 402 and 404 of the Clean Water Act, and the Arizona Groundwater Code.

Ms. Rietz has prepared numerous resource reports in support of Environmental Assessments (EAs), Environmental Impact Statements (EISs), and Stormwater Pollution Prevention Plans (SWPPPs) throughout Arizona, New Mexico, California, Nevada, and Guam. Her experience also includes geographic information system (GIS) analysis, vegetative mapping, and the use of programs such as THWELLS and Hydrologic Engineering Center software for groundwater and surface water modeling and floodplain mapping. Ms. Rietz has conducted sensitivity analysis on riparian restoration projects and is experienced in performing Phase I and II Environmental Site Assessments (ESAs) in accordance with the American Society for Testing and Materials Standards for ESAs.

YEARS OF EXPERIENCE

18

EXPERTISE

ESAs and SWPPPs

NEPA EAs / EISs

Hydrologic/Hydraulic sensitivity analysis

Surface water and groundwater modelling and floodplain mapping

Riparian mitigation plans

EDUCATION

M.S., Watershed Management;
University of Arizona, Tucson; 1999

B.S., magna cum laude, Natural
Resources; University of Arizona,
Tucson; 1997

REGISTRATION/ CERTIFICATION

CPESC – Certified Professional in
Erosion and Sediment Control
(Certification Number 6100)

TRAINING

ESAs for Commercial Real Estate—
ASTM-accredited Course; 2006

U.S. Environmental Protection Agency
All Appropriate Inquiry and the New
ASTM Phase I Standard after AAI—
ASTM-accredited Course; 2007–2008

SELECTED PROJECT EXPERIENCE

Perrin Ranch; Coconino County, Arizona; NextEra Energy Resources, LLC. SWCA completed pre-construction surveys, permitting, and construction monitoring for installation of the 99-megawatt wind facility and post-construction monitoring studies as described in the Avian and Bat Protection Plan. *Role: Hydrologist. Conducted water resources analysis in support of the environmental assessment. Analyzed best management practices proposed for erosion control. Performed a phase I environmental site assessment on the private and state trust lands associated with the project.*

Southline Transmission EIS; Las Cruces, New Mexico, to Wilcox, Arizona; Southline Transmission LLC. SWCA is serving as the third-party NEPA consultant to the Bureau of Land Management (BLM) and the Western Area Power Administration for a proposed project that entails more than 360 miles of new and rebuilt transmission line. *Role: Assistant Project Manager. Manage data acquisition and coordinate resource reporting by various authors. Research and writing in support of EIS.*

Northern Arizona Proposed Withdrawal EIS; Coconino and Mohave Counties, Arizona; BLM. SWCA was the primary contractor to the BLM and four federal cooperating agencies (U.S. Forest Service, National Park Service, U.S. Fish and Wildlife Service, and U.S. Geological Survey) to determine the potential impact of a 20-year withdrawal of approximately 1 million acres of federal lands from new mineral exploration and mining near Grand Canyon National Park. *Role: Environmental Specialist. Research, analysis support, and response to public comments associated with impacts to water resources presented in the EIS.*

Phase I ESA for 30-acres at Apra Harbor; Piti, Guam; TG Engineers. SWCA performed a phase I environmental site assessment (ESA) and follow up mitigation plan for a commercial development of a 30-acre parcel at Polaris Point in Piti. *Role: Environmental Specialist, performed environmental record and historical aerial photography review, assessed the presence of recognized environmental conditions and formulated Phase II sampling plan to characterize contaminants at the site.*

HANG 2 Transmission Line Project; Maricopa and Yuma counties, Arizona; Kenny Construction Company. SWCA was subcontracted by Kenny Construction to provide preconstruction services to APS for the building a 115 mile 500kV transmission line from Hassayampa Switchyard to North Gila substation. SWCA provided project-specific framework plans for submittal to BLM and assisted in identifying construction lay-down areas and access roads. *Role: Project Manager Oversaw development of project-specific plans.*

APPENDIX C
Property Photographs



Photo C-1. A view of the old sewage treatment pond northwest of Naschitti.



Photo C-2. Some debris at the Naschitti Community Dump.



Photo C-3. A view of the Sheep Springs Community Dump, north of Sheep Springs.



Photo C-4. Debris and a foundation are all that remains of the Newcomb Trading Post.



Photo C-5. A typical residential property adjacent to the corridor.



Photo C-6. A typical agricultural property adjacent to the corridor.



Photo C-7. One of two water wells east of the corridor, at US 491 mile marker 61.



Photo C-8. A typical view of vacant desert land crossed by the corridor.



Photo C-9. A concrete box east of US 491 near the Littlewater Landfill.



Photo C-10. A view of the soil mounds at the Littlewater Landfill.



Photo C-11. This borrow pit is crossed by the corridor.



Photo C-12. All that remains at the location of a plugged oil well.

Interview with: Steve Austin, Director of Water Quality, Navajo Nation EPA (505-368-1037)

Conducted on: October 24, 2017

Conducted by: Steve O'Brien, SWCA

Subject: NGWSP Reaches Phase I ESAs

Notes:

I spoke with Mr. Austin about reaches 1, 4C-8, and 12.1:

- The dumps around Hogback were mostly surface dumps, and consisted of household trash and household debris. The sites were bulldozed around 1990 and most debris was removed. No known sources of contamination were encountered.
- The other dumps are only known to have contained household trash and household debris, and he is not aware of any sources of contamination.
- He does not know of any residual contaminants at the Tse Bonito School site, or emanating from McKinley Mine.
- He is not aware of any sources of contamination along any of these reaches that would affect the project.

PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA) USER QUESTIONNAIRE

Completed by:

[NAME, COMPANY]

Date: [DATE]

Re: Phase I Environmental Site Assessment for Reach 1 of the NGWSP

INTRODUCTION

In order to qualify for one of the *Landowner Liability Protections (LLPs)*¹ offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments")², the *user* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. The inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The *user* should provide the following information to the *environmental professional*. Failure to conduct these inquiries could result in a determination that "all appropriate inquiries" is not complete.

The *user* is defined as "the party seeking to use Practice E1527 to complete an *environmental site assessment* of the *property*. A *user* may include, without limitation, a potential purchaser of *property*, a potential tenant of *property*, an owner of *property*, a lender, or a *property* manager. The *user* has specific obligations for completing a successful application of this practice outlined in Section 6" of ASTM Standard E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*.

1) Environmental cleanup liens that are filed or recorded against the *property* (40 CFR 312.25) – Did a search of *recorded land title records* (or judicial records where appropriate, see Note 1 below) identify any environmental liens filed against the *property* under federal, tribal, state, or local law? () Yes () No If yes, please describe:

Note 1 – In certain jurisdictions, federal, tribal, state, or local statutes, or regulations specify that environmental liens and AULs be filed in judicial records rather than in land title records. In such cases judicial records must be searched for environmental liens and AULs.

2) Activity and land use limitations that are in place on the *property* or that have been filed or recorded against the *property* (40 CFR 312.26(a)(1)(v) and

vi) – Did a search of *recorded land title records* (or judicial records where appropriate, see Note 1 above) identify any Activity and Use Limitations (AULs), such as *engineering controls*, land use restrictions or *institutional controls* that are in place at the *property* and/or have been filed or recorded against the *property* under federal, tribal, state or local law? () Yes () No. If yes, please describe:

¹ *Landowner Liability Protections, or LLPs*, is the term used to describe the three types of potential defenses to Superfund liability in EPA's *Interim Guidance Regarding Criteria Landowners Must Meet in Order to Qualify for Bona Fide Prospective Purchaser, Contiguous Property Owner, or Innocent Landowner Limitations on CERCLA Liability* ("Common Elements" Guide) issued on March 6, 2003.

² Public Law 107-118.

3) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28) - Do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an adjoining *property* so that you would have specialized knowledge of the chemicals and processes used by this type of business? () Yes () No If yes, please explain:

4) Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29) - Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*? () Yes () No

If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property*? () Yes () No If yes, please describe:

5) Commonly known or reasonably ascertainable information about the *property* (40 CFR 312.30) - Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *environmental professional* to identify conditions indicative of releases or threatened releases? For example, as *user*,

- a. Do you know the past uses of the *property*?
- b. Do you know of specific chemicals that are present or once were present at the *property*?
- c. Do you know of spills or other chemical releases that have taken place at the *property*?
- d. Do you know of any environmental cleanups that have taken place at the *property*?
- e. Do you know of any previous Phase I Environmental Site Assessment performed for the *property*? () Yes () No. If yes, can copies be provided?
- f. If available, please provide contact information for someone knowledgeable about past uses of the *property* (present or past owner, operator or occupant).

6) The degree of obviousness of the presence of likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31) - Based on your knowledge and experience related to the *property* are there any *obvious* indicators that point to the presence or likely presence of releases at the *property*? () Yes () No If yes, please describe:

APPENDIX E

Environmental Database Records

EDR DataMap® Corridor Study

26986 T8 NGWSP Reach 1

- Listed Sites
- Earthquake Epicenters (Richter 5 or greater)
- Search Boundary
- Roads
- Major Roads
- Waterways
- Railroads
- Contour Lines
- Pipelines
- Powerlines
- Fault Lines
- Water
- Superfund Sites
- Federal DOD Sites
- Indian Reservations BIA
- 100-Yr Flood Zones
- National Wetland Inventory



Shiprock, NM



Scale in Miles



EDR DataMap, Inc. 2010



26986 T8 NGWSP Reach 1
Shiprock, NM 87420

Inquiry Number: 5000520.3s
July 24, 2017

EDR DataMap™ Corridor Study



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

SHIPROCK, NM 87420
SHIPROCK, NM 87420

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records within the requested search area for the following databases:

FEDERAL RECORDS

NPL.....	National Priority List
Proposed NPL.....	Proposed National Priority List Sites
Delisted NPL.....	National Priority List Deletions
NPL LIENS.....	Federal Superfund Liens
SEMS.....	Superfund Enterprise Management System
SEMS-ARCHIVE.....	Superfund Enterprise Management System Archive
LIENS 2.....	CERCLA Lien Information
CORRACTS.....	Corrective Action Report
RCRA-TSDF.....	RCRA - Treatment, Storage and Disposal
RCRA-LQG.....	RCRA - Large Quantity Generators
RCRA-SQG.....	RCRA - Small Quantity Generators
RCRA-CESQG.....	RCRA - Conditionally Exempt Small Quantity Generator
RCRA NonGen / NLR.....	RCRA - Non Generators / No Longer Regulated
US ENG CONTROLS.....	Engineering Controls Sites List
US INST CONTROL.....	Sites with Institutional Controls
ERNS.....	Emergency Response Notification System
HMIRS.....	Hazardous Materials Information Reporting System
DOT OPS.....	Incident and Accident Data
US CDL.....	National Clandestine Laboratory Register
US BROWNFIELDS.....	A Listing of Brownfields Sites
DOD.....	Department of Defense Sites
FUDS.....	Formerly Used Defense Sites
LUCIS.....	Land Use Control Information System
CONSENT.....	Superfund (CERCLA) Consent Decrees
ROD.....	Records Of Decision
UMTRA.....	Uranium Mill Tailings Sites
ODI.....	Open Dump Inventory
DEBRIS REGION 9.....	Torres Martinez Reservation Illegal Dump Site Locations
US MINES.....	Mines Master Index File
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS.....	Section 7 Tracking Systems

EXECUTIVE SUMMARY

ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
RAATS.....	RCRA Administrative Action Tracking System
RMP.....	Risk Management Plans
EPA WATCH LIST.....	EPA WATCH LIST
PRP.....	Potentially Responsible Parties
US FIN ASSUR.....	Financial Assurance Information
PCB TRANSFORMER.....	PCB Transformer Registration Database
US HIST CDL.....	Delisted National Clandestine Laboratory Register
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
ABANDONED MINES.....	Abandoned Mines
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
LEAD SMELTERS.....	Lead Smelter Sites
FEDERAL FACILITY.....	Federal Facility Site Information listing
FEMA UST.....	Underground Storage Tank Listing
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
2020 COR ACTION.....	2020 Corrective Action Program List
COAL ASH DOE.....	Steam-Electric Plant Operation Data
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UXO.....	Unexploded Ordnance Sites

STATE AND LOCAL RECORDS

SHWS.....	This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.
SCS.....	State Cleanup Sites Listing
SWF/LF.....	Solid Waste Facilities
SWRCY.....	Recycling Facility Listing
LUST.....	Leaking Underground Storage Tank Prioritization Database
LTANKS.....	Leaking Storage Tank Listing
TANKS.....	Storage Tank Facility Listing
UST.....	Listing of Underground Storage Tanks
LAST.....	Leaking Aboveground Storage Tank Sites
AST.....	Aboveground Storage Tanks List
SPILLS.....	Spill Data
INST CONTROL.....	Sites with Institutional Controls
VCP.....	Voluntary Remediation Program Sites
DRYCLEANERS.....	Drycleaner Facility Listing
BROWNFIELDS.....	Brownfields Site Listing
CDL.....	Clandestine Drug Laboratory Listing
NPDES.....	List of Discharge Permits
AIRS.....	Airs Information
ASBESTOS.....	List of Asbestos Demolition and Renovations Jobs
MINES.....	Coal Mine Permits Database

TRIBAL RECORDS

INDIAN ODI.....	Report on the Status of Open Dumps on Indian Lands
INDIAN LUST.....	Leaking Underground Storage Tanks on Indian Land
INDIAN UST.....	Underground Storage Tanks on Indian Land
INDIAN VCP.....	Voluntary Cleanup Priority Listing

EXECUTIVE SUMMARY

EDR PROPRIETARY RECORDS

EDR MGP..... EDR Proprietary Manufactured Gas Plants
EDR Hist Auto..... EDR Exclusive Historic Gas Stations
EDR Hist Cleaner..... EDR Exclusive Historic Dry Cleaners
RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank
RGA LF..... Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL RECORDS

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 04/04/2017 has revealed that there is 1 FINDS site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>NAVAJO ENGINE AND CO</i>	<i>HWY 666 NO 1 URANIUM</i>	3	5

IHS OPEN DUMPS: A listing of all open dumps located on Indian Land in the United States.

A review of the IHS OPEN DUMPS list, as provided by EDR, and dated 04/01/2014 has revealed that there are 3 IHS OPEN DUMPS sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
HOGBACK COALMINE RID		1	4
NORTH OF SAN JUAN RI		2	4
CHACO RIVER		4	5

EXECUTIVE SUMMARY

ECHO: ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

A review of the ECHO list, as provided by EDR, and dated 03/19/2017 has revealed that there is 1 ECHO site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
NAVAJO ENGINE AND CO	HWY 666 NO 1 URANIUM	3	5

TRIBAL RECORDS

INDIAN RESERV: This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

A review of the INDIAN RESERV list, as provided by EDR, and dated 12/31/2014 has revealed that there is 1 INDIAN RESERV site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
NAVAJO NATION RESERV		0	4

EXECUTIVE SUMMARY

Please refer to the end of the findings report for unmapped orphan sites due to poor or inadequate address information.

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Total Plotted</u>
<u>FEDERAL RECORDS</u>	
NPL	0
Proposed NPL	0
Delisted NPL	0
NPL LIENS	0
SEMS	0
SEMS-ARCHIVE	0
LIENS 2	0
CORRACTS	0
RCRA-TSDF	0
RCRA-LQG	0
RCRA-SQG	0
RCRA-CESQG	0
RCRA NonGen / NLR	0
US ENG CONTROLS	0
US INST CONTROL	0
ERNS	0
HMIRS	0
DOT OPS	0
US CDL	0
US BROWNFIELDS	0
DOD	0
FUDS	0
LUCIS	0
CONSENT	0
ROD	0
UMTRA	0
ODI	0
DEBRIS REGION 9	0
US MINES	0
TRIS	0
TSCA	0
FTTS	0
HIST FTTS	0
SSTS	0
ICIS	0
PADS	0
MLTS	0
RADINFO	0
FINDS	1
RAATS	0
RMP	0
EPA WATCH LIST	0
PRP	0
US FIN ASSUR	0
PCB TRANSFORMER	0
US HIST CDL	0
SCRD DRYCLEANERS	0
IHS OPEN DUMPS	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Total Plotted</u>
ABANDONED MINES	0
US AIRS	0
LEAD SMELTERS	0
FEDERAL FACILITY	0
FEMA UST	0
ECHO	0
FUELS PROGRAM	0
COAL ASH EPA	0
DOCKET HWC	0
2020 COR ACTION	0
COAL ASH DOE	0
FUSRAP	0
UXO	0
<u>STATE AND LOCAL RECORDS</u>	
SHWS	N/A
SCS	0
SWF/LF	0
SWRCY	0
LUST	0
LTANKS	0
TANKS	0
UST	0
LAST	0
AST	0
SPILLS	0
INST CONTROL	0
VCP	0
DRYCLEANERS	0
BROWNFIELDS	0
CDL	0
NPDES	0
AIRS	0
ASBESTOS	0
MINES	0
<u>TRIBAL RECORDS</u>	
INDIAN RESERV	1
INDIAN ODI	0
INDIAN LUST	0
INDIAN UST	0
INDIAN VCP	0
<u>EDR PROPRIETARY RECORDS</u>	
EDR MGP	0
EDR Hist Auto	0
EDR Hist Cleaner	0
RGA LUST	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Total Plotted</u>
RGA LF	0

NOTES:

Sites may be listed in more than one database

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

IND RES NAVAJO NATION RESERVATION
Region , AZ

INDIAN RESERV CIND200471
N/A

INDIAN RESERV;
Feature:
Name: Indian Reservation
Agency: Navajo Nation Reservation
BIA

1 HOGBACK COALMINE RIDGE DUMP

IHS OPEN DUMPS 1016945917
N/A

, NM

IHS OPEN DUMPS:
EPA Region: 9
IHS Area: NA
Tribe: NAVAJO TRIBE OF ARIZONA, NEW MEXICO AND UTAH
System Type: Solid Waste Disposal Site
Status: Inactive
Condition: Open Dump - Closed
Condition Date: 1999-03-01 00:00:00
Health Threat: 1-Low
Health Threat Score: No score
Contents: G
Surface Area (acres): Not reported
N Latitude: 36.750833
W Longitude: 108.54472199999999

2 NORTH OF SAN JUAN RIVER

IHS OPEN DUMPS 1016945916
N/A

, NM

IHS OPEN DUMPS:
EPA Region: 9
IHS Area: NA
Tribe: NAVAJO TRIBE OF ARIZONA, NEW MEXICO AND UTAH
System Type: Solid Waste Disposal Site
Status: Active
Condition: Open Dump - Surface
Condition Date: Not reported
Health Threat: 1-Low
Health Threat Score: No score
Contents: G
Surface Area (acres): Not reported
N Latitude: 36.746389000000001
W Longitude: 108.5475

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

3 NAVAJO ENGINE AND CONST AUTH SHOP
HWY 666 NO 1 URANIUM BLVD
SHIPROCK, NM 87420

FINDS 1016680695
ECHO N/A

FINDS:

Registry ID: 110006091291

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1016680695
Registry ID: 110006091291
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110006091291>

4 CHACO RIVER
, NM

IHS OPEN DUMPS 1016945907
N/A

IHS OPEN DUMPS:

EPA Region: 9
IHS Area: NA
Tribe: NAVAJO TRIBE OF ARIZONA, NEW MEXICO AND UTAH
System Type: Solid Waste Disposal Site
Status: Active
Condition: Open Dump - Surface
Condition Date: Not reported
Health Threat: 1-Low
Health Threat Score: No score
Contents: G
Surface Area (acres): Not reported
N Latitude: 36.726388999999998
W Longitude: 108.565

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ARROYO SECO	U003973668	RHOC EXPRESS (ARROYO SECO)	18360 US HWY 84/285	87401	UST
BECLABITO	1004754665	USDOI BIA BECLABITO DAY SCHOOL	CLIFTON RD AND HWY 64	87420	RCRA-CESQG
BECLABITO	1008341484	BECLABITO LEASE URANIUM MINES	2 MILES SOUTH OF BICLABITO T.	87420	SEMS
BECLABITO	1009393273	BECLABITO TRADING POST	18 M.W. OF SHIPROCK, U.S. 64	87420	INDIAN UST
BECLABITO	1008341486	NAVAJO - CANYON VIEW (ALONGO CLAIM) URAN	T29N, R21W, NEW MEXICO	87420	SEMS
BECLABITO	1003879562	NAVAJO - ROCKY FLATS URANIUM MINE	2.5 MI S. OF ST. HWY 504 IN TRI	87420	SEMS-ARCHIVE
BECLABITO	1003879561	NAVAJO - CANYON I URANIUM MINE	4.5 MI SO OF HWY 504 ON TRIBA	87420	SEMS-ARCHIVE
BIKLABITO	1007270501	BIKLABITO DAY SCHOOL	US HWY 64	87420	FTTS, HIST FTTS
BLOOMFIELD	S118580015	CN PROJECT NO. 4046/HPP-NH-TPO-064-3(3)54	US HWY 64	87401	ASBESTOS
FARMINGTON	1016335304	FARMINGTON SAND & GRAVEL	1370 NM371 (BISTI HWY.)	87401	FINDS, ECHO
FARMINGTON	1000253998	MOBIL PROD TXNM FARMINGTON YD	HWY 17	87401	RCRA NonGen / NLR
FARMINGTON	1016246472	MOBIL PROD TXNM FARMINGTON YD	HWY 17	87401	FINDS, ECHO
FARMINGTON	S111764337	HIION DEVELOPMENT	HWY 371	87401	TANKS
FARMINGTON	1000921976	RAYTHEON MISSILE SYSTEM DINE FAC	10059 HWY 371 SOUTH	87401	RCRA-SQG
FARMINGTON	1006798612	REGENT ENERGY	HIGHWAY 371 - HORSESHOE GALLUP	87401	ICIS FINDS, ECHO
FARMINGTON	S111764559	LA VIDA MISSIONS INC	RT 371 BETWEEN MM 55 AND 56	87401	TANKS
FARMINGTON	U003191124	LA VIDA MISSIONS INC	RT 371 BETWEEN MM 55 AND 56	87401	UST
FARMINGTON	10068117409	TRANSWESTERN PIPELINE COMPANY BISTI COMPRESSOR STATION	7354 HWY 371	87401	RCRA-LOG, FINDS, ECHO
FARMINGTON	U003191117	HIION DEVELOPMENT	HWY 371	87401	UST
FARMINGTON	1016246641	EL PASO FIELD SVC KUTZ FLD PLNT	FM 5569 2 M N OF HWY 64	87401	FINDS, ECHO
FARMINGTON	1004754261	EL PASO FIELD SVC KUTZ FLD PLNT	FM 5569 2 M N OF HWY 64	87401	RCRA NonGen / NLR
FARMINGTON	S1117655435	SWIFT OILFIELD SERVICES	640 HWY 64	87401	TANKS
FARMINGTON	1022865735	HARPER PIT	HWY 64	87401	ABANDONED MINES
FARMINGTON	S111764110	FLINT ENGINEERING	HWY 64	87401	TANKS
FARMINGTON	S111763045	GIANT REFINING	606 HWY 64	87401	TANKS
FARMINGTON	S111765025	PETRO LOG INC	497 HWY 64	87401	TANKS
FARMINGTON	1016246528	M-I DRILLING FLUIDS CO-FARMINGTON	BLOOMFIELD HWY	87401	FINDS, ECHO
FARMINGTON	S109467371	WHITEWAY INC	(1907 BLOOMFIELD HWY.)	87401	DRYCLEANERS
FARMINGTON	1000111161	M-I DRILLING FLUIDS CO-FARMINGTON	BLOOMFIELD HWY	87401	RCRA NonGen / NLR
FARMINGTON	1017382462	SAN JUAN COUNTY LANDFILL	#78 COUNTY ROAD 3140	87401	FINDS, ECHO
FARMINGTON	1016898629	MCGEE PARK, SAN JUAN COUNTY FAIRGROUNDS	#41 COUNTY ROAD 5568	87401	RCRA NonGen / NLR
FARMINGTON	1017721592	MCGEE PARK, SAN JUAN COUNTY FAIRGROUNDS	#41 COUNTY ROAD 5568	87401	ECHO
FARMINGTON	1004754073	A-1 AUTO SALVAGE	COUNTY ROAD 6100 NO 99	87401	RCRA-CESQG
FARMINGTON	1003873608	WESTERN CO OF NORTH AMERICA	7 MI E OF TOWN ON HWY 550	87401	SEMS-ARCHIVE
FARMINGTON	1006876089	BLUFFVIEW VALLEY	SOUTH END OF COUNTY ROAD 3972	87401	ICIS, FINDS, ECHO
FARMINGTON	1018381306	PESCO	5680 US HWY 64	87401	FINDS, ECHO
FARMINGTON	S111764702	MASTON PROPERTY	5413 US HWY 64	87401	TANKS
FARMINGTON	S111426846	FOURCORNERS MATERIALS - 400 TPH SAND AND GRAVEL WASH PLANT	NM HWY 371 (BISTI HWY)	87401	AIRS
FARMINGTON	S111763923	DAWN ENTERPRISES INC	318 E HWY 64	87401	TANKS
FARMINGTON	1012006556	CROSS CHEMICALS, INC.	5855 U.S. HWY 64	87401	SSTS
FARMINGTON	U003191619	PHILLIPS TRUCKING	504 US HWY 64	87401	UST

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
FARMINGTON	S111785575	THRIFTWAY 266 A	US HWY 666	87401	TANKS
FARMINGTON	1009393311	RAYTHEON MISSILE SYSTEMS CO	ST. HWY 371 6 MI. S. OF FARMINGTON	87401	INDIAN UST
FARMINGTON	1018354079	HWY 64 TRUCK AND AUTO SALVAGE	4551 US HWY 64	87401	FINDS, ECHO
FARMINGTON	U003913244	THRIFTWAY 266 A	US HWY 666	87401	UST
FARMINGTON	1017384432	GIANT REFINING CO.	606 US HWY 64	87401	FINDS, ECHO
FARMINGTON	1016677061	BP AMERICA GCU 072	5 MILES SE OF STATE HWY 371 &	87401	RCRA NonGen / NLR, FINDS, ECHO
FARMINGTON	1004754029	APL-BISTI JUNCTION	28 MILES S ON HWY 371	87401	RCRA NonGen / NLR, FINDS, ECHO
FARMINGTON	S117937717	STERICYCLE INC (FARMINGTON)	607 SOUTH MILLERDR	87401	SWFLF
FARMINGTON	1007843127	CONSOLIDATED CONSTRUCTORS ASPHALT PLANT	NAVAJO HWY, #36	87401	FINDS, ECHO
FARMINGTON	1007571020	CONSOLIDATED CONSTRUCTORS ASPHALT PLANT	NAVAJO HWY, #36	87401	RCRA NonGen / NLR
FARMINGTON	1022994688	PIT 41	400' NORTH OF COUNTY ROAD 5374	87401	ECHO
FARMINGTON	1006163943	AMOCO PRODUCTION CO. 687 MUDGE #8 COMP S	PORT COMPRESSR IN SAN JUAN CNTY	87401	FINDS, ECHO, US AIRS
FARMINGTON	S111763861	CONSOLIDATED CONSTRUCTORS INC. - 1	3 QUARTER MILE W OF 371 ON NAVAJO ROUTE 36	87401	TANKS
FARMINGTON	S118867753	NMSU AGRICULTURAL SCIENCE CENTER FARMINGTON #406C	300 ROAD 4063	87401	ASBESTOS
FARMINGTON	S118867752	NMSU AGRICULTURAL SCIENCE CENTER FARMINGTON #406A	300 ROAD 4063	87401	ASBESTOS
FARMINGTON	S118867721	RESIDENCE	300 ROAD 4063	87401	ASBESTOS
FARMINGTON	S118867722	OFFICE AND LABS	300 ROAD 4063	87401	ASBESTOS
FARMINGTON	1012195094	CROSS CHEMICALS, INC.	5855 U S HWY 64	87401	SSTS
FARMINGTON	1012053915	WILBUR-ELLIS CO	9 MI. S. HWY 371 & 1 MI. E. HWY 4040	87401	SSTS
FARMINGTON	S111425739	BP AMERICA PRODUCTION - WAUKESHA 145	SAN JUAN COUNTY	87401	AIRS
FARMINGTON	1017438255	CATERPILLAR 3306 NA NO1767	SAN JUAN COUNTY	87401	ECHO
FARMINGTON	S111425744	BP AMERICA PRODUCTION - WAUKESHA F817G (15) COMPRESSOR PACKA	SAN JUAN COUNTY	87401	AIRS
FARMINGTON	S111425734	BP AMERICA PRODUCTION - AJAX 360 NO1768	SAN JUAN COUNTY	87401	AIRS
FARMINGTON	S111425741	BP AMERICA PRODUCTION - CATERPILLAR 3304 TA NO1780	SAN JUAN COUNTY	87401	AIRS
FARMINGTON	1006242456	AJAX 360 NO1768	SAN JUAN COUNTY	87401	US AIRS
FARMINGTON	1018354952	CATERPILLAR G342	SAN JUAN COUNTY	87401	FINDS, ECHO
FARMINGTON	S111425740	BP AMERICA PRODUCTION - CATERPILLAR G342	SAN JUAN COUNTY	87401	AIRS
FARMINGTON	S111425732	687 MUDGE NO8 COMPRESSOR STATION	S SAN JUAN CITY	87401	AIRS
FARMINGTON	1016941312	GOOD TIMES P34-2410	36.8 MI SE OF FARMINGTON	87401	US AIRS
FARMINGTON	1017375594	GOOD TIMES P34-2410	36.8 MI SE OF FARMINGTON	87401	FINDS, ECHO
FARMINGTON	1009425947	FARMINGTON (CITY OF) - E LEASE	SECTION 35 T30N R13W	87401	FINDS
FARMINGTON	1009424984	MCCORD 12 E 1	SECTION 33 T30N R13W	87401	FINDS
FARMINGTON	1011842733	WILBUR-ELLIS COMPANY, FARMINGTON,NM	9 MI SOUTH HWY 371, 1 MI EAST	87401	RMP
FARMINGTON	1012126770	WILBUR-ELLIS COMPANY, FARMINGTON	9 MI SOUTH HWY 371, 1 MI EAST	87401	RMP
FARMINGTON	1018098827	NAVAJO AGRIC PROD INC	STATE HWY 371 6 MI S OF CITY	87401	FINDS, ECHO
FARMINGTON	S111764381	HUGHES MISSILE SYSTEMS COMPANY	STATE HWY 371 S OF F	87401	TANKS
FARMINGTON	U003913205	HUGHES MISSILE SYSTEMS COMPANY	STATE HWY 371 S OF F	87401	UST
FARMINGTON	1022991889	ABC PIT #1	TROY KING ROAD	87401	ECHO
FARMINGTON	S111428228	HANOVER COMPRESSOR - UNITS 77293 AND 72635	1280 TROY KING ROAD	87401	AIRS
FARMINGTON	S119025052	STOTZ EQUIPMENT	1201 NORTH TROY KING ROAD	87401	ASBESTOS
FARMINGTON AND AZTEC	1018149122	GOLD KING MINE SPILL	ANIMAS RIVER	87401	SEMS
HOGBACK	1016878186	HOGBACK TRADING POST	HOGBACK, NM NORTH SIDE OF HWY 64, EAST END OF HOGBACK MOUNTAIN	87420	INDIAN LUST

Count: 169 records

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
KIRTLAND	S118579513	RESIDENTIAL	#31 ROAD 6401	87401	ASBESTOS
LOS LUNAS	S111763171	RAY'S MUFFLER SHOP	511 US HWY 85	87401	TANKS
NEW MEXICO	1017383712	WILLIAMS FIELD SERVICE TAPICTO DISTRICT	HWY 537 MILE 29 HCR 74 BOX 117	87401	FINDS, ECHO
NEW MEXICO	1022931259	AMOCO PRODUCTION CO. CAT 3304 TA	PORTABLE IN SAN JUAN COUNTY	87401	ECHO
OAK SPRINGS	1003879568	NAVAJO - KING TUTT #1 URANIUM MINE	NAVAJO RESERVATION	87420	SEMS-ARCHIVE
PENA BLANCA	S111425522	PENA BLANCA GRAVEL PRODUCTS - SAND AND GRAVEL NO0965	NEXT TO HWY 22 IN PENIA BLANCA	87401	AIRS
RED VALLEY	1016457414	RED ROCK TRADING POST - #524	HWAY 13, 21 MI W OF HWY 491	87420	INDIAN UST
SAN JUAN COUNTY	S110474606	SHIPROCK COLLECTION CENTER	NE CORTEZ HWY STATE HWY 49, NORTH OF SHIPROCK		SWF/LF
SAN JUAN COUNTY	S110474616	CEDAR HILLS COLLECTION CENTER	#2 CR 2390		SWF/LF
SAN JUAN COUNTY	M300006124	WESTERN GAS RESOURCES INC	SAN JUAN RIVER PLANT		US MINES
SHIPROCK	1016457419	THRIFTWAY 241 AKA WHITE EAGLE STATION AKA SOUTHWEST ATR	HWY 491/64	87420	INDIAN UST
SHIPROCK	1016457400	CHIEF CONOCO	HWY 491/64	87420	INDIAN UST
SHIPROCK	1001079547	SHIPROCK WATER OPER AND MAINT	HWY 504 AND FARM TRAINING RD	87420	RCRA-SQG
SHIPROCK	1017823596	SHIPROCK WATER OPER AND MAINT	HWY 504 AND FARM TRAINING RD	87420	ECHO
SHIPROCK	U003913234	SHIPROCK TRADING CO	HWY 550	87420	UST
SHIPROCK	U003193039	SHIPROCK SEWER LIFT	HWY 550 SHIPROCK	87420	LTANKS, LUST, TANKS
SHIPROCK	S114739814	SHIPROCK SEWER LIFT	HWY 550 SHIPROCK		RGA LUST
SHIPROCK	S111765312	SHIPROCK TRADING CO	HWY 550	87420	TANKS
SHIPROCK	U003913235	SHIPROCK TRANSPORTATION DEPARTMENT A	HWY 550 SHIPROCK	87420	UST
SHIPROCK	1004564259	CENTRAL CONSOLIDATED PUBLIC SCHOOLS 22	HWY 64	87420	FINDS, ECHO
SHIPROCK	1007272526	CENTRAL CONSOLIDATED PUBLIC SCHOOLS # 22	HWY 64	87420	FTTS, HIST FTTS
SHIPROCK	S111765310	SHIPROCK ADMINISTRATION OFFICE	HWY 64	87420	TANKS
SHIPROCK	U003913233	SHIPROCK ADMINISTRATION OFFICE	HWY 64	87420	UST
SHIPROCK	1008286543	CAREER PREP ALT HIGH SCHOOL	HWY 64 WEST	87420	FINDS, ECHO
SHIPROCK	1014395009	SHIPROCK HIGH SCHOOL	HWY 64 W	87420	RCRA-CESQG
SHIPROCK	1009511971	CENTRAL CONSOLIDATED PUBLIC SCHOOLS # 22	HWY 64	87420	FTTS, HIST FTTS
SHIPROCK	1016688340	SHIPROCK HIGH SCHOOL	HWY 64 W	87420	FINDS, ECHO
SHIPROCK	1009393484	FAA RMLR SHIPROCK	HWY 666	87420	INDIAN UST
SHIPROCK	S114740409	THRIFTWAY 241/259 WHT EGLE	HWY 666		RGA LUST
SHIPROCK	1009393535	OLD EL NAVAJO GARAGE (ORIGINAL MONTANO'S)	HWY 666 & HWY 64	87420	INDIAN UST
SHIPROCK	1004754635	BRANCH OF ROADS SHIPROCK AG	HWY 666 WELLS FARGO BANK W	87420	RCRA-CESQG
SHIPROCK	1018098832	BRANCH OF ROADS SHIPROCK AG	HWY 666 WELLS FARGO BANK W	87420	FINDS, ECHO
SHIPROCK	U003913221	NEWCOMB TRANSPORTATION	HWY 666	87420	UST
SHIPROCK	1001022426	NAVAJO ENGINE AND CONST AUTH SHOP	HWY 666 NO 1 URANIUM BLVD	87420	RCRA-SQG
SHIPROCK	1004754692	BRANCH OF ROADS - SHIPROCK AG	HWY 666 1ST NATIONAL BANK W	87420	RCRA-CESQG
SHIPROCK	S111764872	NEWCOMB TRANSPORTATION	HWY 666	87420	TANKS
SHIPROCK	1016681438	BRANCH OF ROADS - SHIPROCK AG	HWY 666 1ST NATIONAL BANK W	87420	FINDS, ECHO
SHIPROCK	S114740408	THRIFTWAY 241/259 WH	HWY 666	87420	RGA LUST
SHIPROCK	1000638226	NAVAJO ENG & CONST AUTH SHOP	HWY 666		RCRA NonGen / NLR
SHIPROCK	1010414405	CAREER PREP	HWY 666 #1 URANIUM BLVD 1/4M S	87420	FTTS
SHIPROCK	1009393312	NORTHERN NAVAJO MEDICAL CENTER	P.O. BOX 1199 (E. HWY 64)	87420	INDIAN UST
SHIPROCK	1018099036	USDOI BIA BECLABITO DAY SCHOOL	P.O. BOX 160 NORTH HWY 491	87420	FINDS, ECHO
SHIPROCK	1009393366	GIANT AKA THRIFTWAY 202 OR 2202	CLIFTON RD AND HWY 64	87420	INDIAN UST
SHIPROCK	1014395013	CAREER PREP HIGH SCHOOL	NW CORNER JCT U.S. HWY 64 AND 491	87420	RCRA-CESQG
SHIPROCK	1009393542	SHIPROCK BIA IRRIGATION	W HIGHWAY 64 - P.O. BOX 1199	87420	INDIAN UST
			US HIGHWAY 550EAST OF COMMUNITY OF SHIPROCK		

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SHIPROCK	1016976142	SHIPROCK BIA IRRIGATION	US HIGHWAY 550 EAST OF COMMUNITY OF SHIPROCK	87420	INDIAN LUST
SHIPROCK	1017823599	NAVTECH OF NEW MEXICO	S HWY 666 AND NAVTECH BLVD	87420	ECHO
SHIPROCK	S111765571	THRIFTWAY 202 R	US HWY 160 AND 666	87420	TANKS
SHIPROCK	U003913238	THRIFTWAY 202 R	US HWY 160 AND 666	87420	UST
SHIPROCK	S111765577	THRIFTWAY 301 R	US HWY 550	87420	TANKS
SHIPROCK	U003913194	ARNOLDS FINA 2	US HWY 666	87420	UST
SHIPROCK	1001113284	NAVTECH OF NEW MEXICO	S HWY 666 AND NAVTECH BLVD	87420	RCRA-SQG
SHIPROCK	1005640402	INDIAN COUNTRY PETROLEUM WELL	550 S HWY 666	87420	ICIS, FINDS, ECHO
SHIPROCK	U003913246	THRIFTWAY 301 R	US HWY 550	87420	UST
SHIPROCK	S118580075	SHIPROCK FLEET MANAGEMENT BUILDING	EAST HWY 64	87420	ASBESTOS
SHIPROCK	S111763447	ARNOLDS FINA 2	US HWY 666	87420	TANKS
SHIPROCK	S118580742	NNMC QUARTERS #SR137	US HWY. 491 NORTH	87420	ASBESTOS
SHIPROCK	1016686402	NTUA SHIPROCK DISTRICT	INT OF HWY US 64 AND US 491	87420	FINDS, ECHO
SHIPROCK	1010324941	NTUA SHIPROCK DISTRICT	INT OF HWY US 64 AND US 491	87420	RCRA-CESQG
SHIPROCK	1010036033	GIANT INDUSTRIES (SERVICE STATION)	JUNCTION HIGHWAY 64 AND HIGHWAY 191	87420	ICIS, FINDS, ECHO
SHIPROCK	1017464723	NAVAJO COUNTRY EXPRESS #523	JUNCTION HWY 62 & 491	87420	ECHO
SHIPROCK	1008341508	SHIPROCK DUMP	LAT 36 48' 53"N, LONG 108 41' 3"W	87420	SEMS-ARCHIVE
SHIPROCK	1008341480	NAVAJO - VANADIUM CORP. OF AMERIC PLOT 3	8.5 MI N NE OF RED VALLEY, AZ	87420	SEMS
SHIPROCK	1014395014	TSE' BIT' AI MIDDLE SCHOOL	WEST OF HWY 491	87420	RCRA-CESQG
SHIPROCK	1016992671	TSE' BIT' AI MIDDLE SCHOOL	WEST OF HWY 491	87420	FINDS, ECHO
SHIPROCK	1004754064	APL-SHIPROCK	4 MI S OF SHIPROCK ON HWY 666	87420	RCRA NonGen / NLR, FINDS, ECHO
SHIPROCK	1016978135	RAINBOW SERVICE STATION	SHIPROCK, NM	87420	INDIAN LUST
SHIPROCK	1004754612	SHIPROCK BUS BARN	STATE HWY 64 ALSO KNOWN AS	87420	RCRA-CESQG
SHIPROCK	1018098825	SHIPROCK BUS BARN	STATE HWY 64 ALSO KNOWN AS	87420	ECHO
SHIPROCK	1003879921	SHIPROCK #1 DIP VAT	T30N/R18W	87420	SEMS-ARCHIVE
SHIPROCK	1008341520	CHIEF CONOCO	NORTH U.S. HWY 666	87420	SEMS-ARCHIVE
SHIPROCK	1010035964	SHIPROCK FLEET MANAGEMENT, NAVAJO NATION	EAST US HWY 64	87420	FINDS, ECHO
SHIPROCK NM	1018149132	GOLD KING MINE RELEASE REGION 9 EMERGENCY RESPONSE	1234 MAIN STREET - THIS ISN'T REAL	87420	SEMS
THOREAU	U002223164	THRIFTWAY 291	HWY 57	87401	LTANKS, LUST, TANKS, UST
WATERFLOW	1015735519	NM SAN JUAN GENERATING STATION	HWY 550	87421	SEMS-ARCHIVE, RCRA-LQG
WATERFLOW	U003193442	T AND T TRADING CO TRAVIS J PENNINGTON JR	1270 HWY 550 W	87421	UST
WATERFLOW	S111765441	T AND T TRADING CO TRAVIS J PENNINGTON JR	1270 HWY 550 W	87421	TANKS
WATERFLOW	S110764840	OLD TURQUOISE BAR	HIGHWAY 64	87421	LTANKS, TANKS
WATERFLOW	1018277329	SHUMWAY BRIDGE	ROUTE 64 OVER SHUMWAY ARROYO	87421	RCRA-SQG, FINDS, ECHO
WATERFLOW	S118580878	PNM- SAN JUAN STATION	N. COUNTY ROAD 6800	87421	ASBESTOS
WATERFLOW	1018356599	SAN JUAN MINE	COUNTY ROAD 6800	87421	FINDS, ECHO
WATERFLOW	S118581013	SAN JUAN GENERATING STATION	COUNTY ROAD 6800 NORTH	87421	ASBESTOS
WATERFLOW	S112821824	SAN JUAN GENERATING STATION UNIT 2 - AREA 32	COUNTY ROAD 6800	87421	SPILLS, ASBESTOS
WATERFLOW	1004753974	WAPA WATERFLOW SUBSTATION	4M N HWY 550 & 1M N SAN JUAN	87421	RCRA NonGen / NLR
WATERFLOW	1016217881	WAPA WATERFLOW SUBSTATION	4M N HWY 550 & 1M N SAN JUAN	87421	FINDS, ECHO
WATERFLOW	1017385333	PUBLIC SERVICE CO. OF NM	5 MI N HWY 550	87421	FINDS, ECHO

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/05/2017	Source: EPA
Date Data Arrived at EDR: 04/21/2017	Telephone: N/A
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 07/07/2017
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/16/2017
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/05/2017	Source: EPA
Date Data Arrived at EDR: 04/21/2017	Telephone: N/A
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 07/07/2017
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/16/2017
	Data Release Frequency: Quarterly

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/05/2017	Source: EPA
Date Data Arrived at EDR: 04/21/2017	Telephone: N/A
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 07/07/2017
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/16/2017
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/07/2017	Source: EPA
Date Data Arrived at EDR: 04/19/2017	Telephone: 800-424-9346
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 06/08/2017
Number of Days to Update: 16	Next Scheduled EDR Contact: 07/31/2017
	Data Release Frequency: Quarterly

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 02/07/2017	Source: EPA
Date Data Arrived at EDR: 04/19/2017	Telephone: 800-424-9346
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 06/08/2017
Number of Days to Update: 16	Next Scheduled EDR Contact: 07/31/2017
	Data Release Frequency: Quarterly

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/18/2014	Telephone: 202-564-6023
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 06/09/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Varies

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/12/2016	Source: EPA
Date Data Arrived at EDR: 12/28/2016	Telephone: 800-424-9346
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 06/29/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 06/29/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Quarterly

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 06/29/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 06/29/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 06/29/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Varies

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 06/29/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2017
Date Data Arrived at EDR: 02/28/2017
Date Made Active in Reports: 06/09/2017
Number of Days to Update: 101

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2017
Date Data Arrived at EDR: 02/28/2017
Date Made Active in Reports: 06/09/2017
Number of Days to Update: 101

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 09/29/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 43

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/28/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/28/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 37

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/28/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Annually

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/09/2017
Date Data Arrived at EDR: 03/08/2017
Date Made Active in Reports: 06/09/2017
Number of Days to Update: 93

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Quarterly

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/02/2017
Date Data Arrived at EDR: 03/02/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/20/2017
Next Scheduled EDR Contact: 10/02/2017
Data Release Frequency: Semi-Annually

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/12/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/28/2016
Date Data Arrived at EDR: 01/04/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 93

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/15/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 77

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/21/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013	Source: EPA
Date Data Arrived at EDR: 12/12/2013	Telephone: 703-416-0223
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 06/09/2017
Number of Days to Update: 74	Next Scheduled EDR Contact: 09/18/2017
	Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 05/22/2017
Number of Days to Update: 146	Next Scheduled EDR Contact: 09/04/2017
	Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 04/24/2017
Number of Days to Update: 137	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: No Update Planned

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005	Source: USGS
Date Data Arrived at EDR: 02/29/2008	Telephone: 703-648-7709
Date Made Active in Reports: 04/18/2008	Last EDR Contact: 05/31/2017
Number of Days to Update: 49	Next Scheduled EDR Contact: 09/11/2017
	Data Release Frequency: Varies

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/08/2017	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 02/28/2017	Telephone: 303-231-5959
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 05/31/2017
Number of Days to Update: 38	Next Scheduled EDR Contact: 09/11/2017
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/26/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/21/2017
Next Scheduled EDR Contact: 10/02/2017
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 05/19/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 05/19/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/26/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 07/07/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2016
Date Data Arrived at EDR: 04/28/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 127

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/04/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/06/2017	Telephone: 202-343-9775
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 07/12/2017
Number of Days to Update: 35	Next Scheduled EDR Contact: 10/16/2017
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/04/2017	Source: EPA
Date Data Arrived at EDR: 04/07/2017	Telephone: (214) 665-2200
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 06/07/2017
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/18/2017
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/09/2017	Telephone: 202-564-8600
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 04/21/2017
Number of Days to Update: 57	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/26/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Biennially

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/02/2016
Date Data Arrived at EDR: 06/03/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 91

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/05/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 07/07/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 06/06/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/25/2015
Date Data Arrived at EDR: 01/29/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 67

Source: Department of Defense
Telephone: 571-373-0407
Last EDR Contact: 07/17/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 02/09/2017
Date Data Arrived at EDR: 03/08/2017
Date Made Active in Reports: 06/09/2017
Number of Days to Update: 93

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/19/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/14/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/05/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Varies

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/07/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Varies

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 06/05/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Varies

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/21/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/21/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Annually

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 02/13/2017
Date Data Arrived at EDR: 02/15/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 05/17/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016	Source: Department of Energy
Date Data Arrived at EDR: 12/27/2016	Telephone: 202-586-3559
Date Made Active in Reports: 02/17/2017	Last EDR Contact: 05/05/2017
Number of Days to Update: 52	Next Scheduled EDR Contact: 08/21/2017
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 04/28/2017
Number of Days to Update: 83	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/22/2017	Source: EPA
Date Data Arrived at EDR: 02/22/2017	Telephone: 800-385-6164
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 05/24/2017
Number of Days to Update: 79	Next Scheduled EDR Contact: 09/04/2017
	Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 03/19/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2017	Telephone: 202-564-2280
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 06/07/2017
Number of Days to Update: 52	Next Scheduled EDR Contact: 09/18/2017
	Data Release Frequency: Quarterly

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/14/2017	Source: Department of Interior
Date Data Arrived at EDR: 03/17/2017	Telephone: 202-208-2609
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 06/09/2017
Number of Days to Update: 21	Next Scheduled EDR Contact: 09/25/2017
	Data Release Frequency: Quarterly

STATE AND LOCAL RECORDS

SCS: State Cleanup Sites Listing

State cleanup sites that fall under the state's Water Quality Control Commission Regulations.

Date of Government Version: 10/09/2016	Source: Environment Department
Date Data Arrived at EDR: 10/19/2016	Telephone: 505-827-2855
Date Made Active in Reports: 02/06/2017	Last EDR Contact: 04/19/2017
Number of Days to Update: 110	Next Scheduled EDR Contact: 07/31/2017
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: Department of the Environment
Telephone: 505-827-2918
Last EDR Contact: 06/27/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: N/A

SWF/LF: Solid Waste Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/15/2015
Date Data Arrived at EDR: 05/17/2016
Date Made Active in Reports: 11/08/2016
Number of Days to Update: 175

Source: New Mexico Environment Department
Telephone: 505-827-0347
Last EDR Contact: 05/09/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Semi-Annually

SWRCY: Recycling Facility Listing

A listing of recycling facility locations.

Date of Government Version: 12/15/2015
Date Data Arrived at EDR: 05/17/2016
Date Made Active in Reports: 11/08/2016
Number of Days to Update: 175

Source: Environment Department
Telephone: 505-827-0197
Last EDR Contact: 02/07/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Varies

LTANKS: Leaking Storage Tank Listing

A listing of leaking storage tank site locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/08/2016
Date Made Active in Reports: 09/15/2016
Number of Days to Update: 69

Source: Environment Department
Telephone: 505-476-4390
Last EDR Contact: 07/07/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Varies

LUST: Leaking Underground Storage Tank Priorization Database

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 08/01/2006
Date Data Arrived at EDR: 10/06/2006
Date Made Active in Reports: 11/08/2006
Number of Days to Update: 33

Source: New Mexico Environment Department
Telephone: 505-476-4397
Last EDR Contact: 06/27/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: No Update Planned

TANKS: Storage Tank Facility Listing

A listing of aboveground and underground storage tank site locations.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 12/01/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 64

Source: Environment Department
Telephone: 505-476-4390
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Listing of Underground Storage Tanks

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 08/01/2006
Date Data Arrived at EDR: 09/27/2006
Date Made Active in Reports: 10/23/2006
Number of Days to Update: 26

Source: New Mexico Environment Department
Telephone: 505-476-4397
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: No Update Planned

LAST: Leaking Aboveground Storage Tank Sites

A listing of leaking aboveground storage tank sites.

Date of Government Version: 05/01/2006
Date Data Arrived at EDR: 05/01/2006
Date Made Active in Reports: 06/05/2006
Number of Days to Update: 35

Source: Environment Department
Telephone: 505-476-4397
Last EDR Contact: 06/27/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: No Update Planned

AST: Aboveground Storage Tanks List

Aboveground tanks that have been inspected by the State Fire Marshal.

Date of Government Version: 08/01/2006
Date Data Arrived at EDR: 09/27/2006
Date Made Active in Reports: 10/20/2006
Number of Days to Update: 23

Source: Environment Department
Telephone: 505-476-4397
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: No Update Planned

SPILLS: Spill Data

Hazardous materials spills data.

Date of Government Version: 10/04/2016
Date Data Arrived at EDR: 10/07/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 119

Source: Environment Department
Telephone: 505-827-0166
Last EDR Contact: 06/27/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Varies

INST CONTROL: Sites with Institutional Controls

Sites included in the Voluntary Cleanup listing that have Institutional Controls in place.

Date of Government Version: 10/07/2016
Date Data Arrived at EDR: 10/19/2016
Date Made Active in Reports: 02/02/2017
Number of Days to Update: 106

Source: Environment Department
Telephone: 505-827-2754
Last EDR Contact: 07/19/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Varies

VCP: Voluntary Remediation Program Sites

Sites involved in the Voluntary Remediation Program.

Date of Government Version: 10/07/2016
Date Data Arrived at EDR: 10/19/2016
Date Made Active in Reports: 02/02/2017
Number of Days to Update: 106

Source: Environment Department
Telephone: 505-827-2754
Last EDR Contact: 07/19/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Facility Listing

A listing of drycleaner facility locations. The listing may contain facilities that are no longer there, or under different management.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/06/2010
Date Data Arrived at EDR: 01/07/2010
Date Made Active in Reports: 02/04/2010
Number of Days to Update: 28

Source: Environment Department
Telephone: 505-222-9507
Last EDR Contact: 06/27/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: No Update Planned

BROWNFIELDS: Brownfields Site Listing

A listing of targeted brownfields assessment.

Date of Government Version: 04/01/2016
Date Data Arrived at EDR: 05/12/2016
Date Made Active in Reports: 06/08/2016
Number of Days to Update: 27

Source: New Mexico Environment
Telephone: 505-827-0171
Last EDR Contact: 05/11/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Varies

CDL: Clandestine Drug Laboratory Listing

A listing of clandestine drug labs, such as illegal methamphetamine labs.

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 04/22/2014
Date Made Active in Reports: 05/20/2014
Number of Days to Update: 28

Source: Environment Department
Telephone: 505-476-6000
Last EDR Contact: 04/19/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Varies

NPDES: List of Discharge Permits

General information regarding NPDES (National Pollutant Discharge Elimination System) permits.

Date of Government Version: 09/27/2016
Date Data Arrived at EDR: 10/19/2016
Date Made Active in Reports: 02/02/2017
Number of Days to Update: 106

Source: Environment Department
Telephone: 505-827-2918
Last EDR Contact: 04/19/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Semi-Annually

AIRS: Airs Information

A listing of facilities with Air Quality Bureau permits.

Date of Government Version: 10/24/2016
Date Data Arrived at EDR: 10/27/2016
Date Made Active in Reports: 02/02/2017
Number of Days to Update: 98

Source: New Mexico Environment Department
Telephone: 505-476-4339
Last EDR Contact: 04/26/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Annually

ASBESTOS: List of Asbestos Demolition and Renovations Jobs

Asbestos is a common fibrous rock found worldwide which has been used in various products for over 4500 years. It has been used in over 3000 different products such as textiles, paper, ropes, wicks, stoves, filters, floor tiles, roofing shingles, clutch facings, water pipe, cements, fillers, felt, fireproof clothing, gaskets, battery boxes, clapboard, wallboard, fire doors, fire curtains, insulation, brake linings, etc.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/21/2016
Date Made Active in Reports: 02/02/2017
Number of Days to Update: 73

Source: New Mexico Environment Department
Telephone: 505-827-1494
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

COAL MINES: Coal Mine Permits Database

New Mexico coal mines permitted under the Surface Mining Control and Reclamation Act of 1977 (SMCRA), by either the NM Mining & Minerals Division (MMD), or by the federal DOI Office of Surface Mining, Reclamation & Enforcement.

Date of Government Version: 07/13/2012
Date Data Arrived at EDR: 12/17/2012
Date Made Active in Reports: 01/11/2013
Number of Days to Update: 25

Source: Bureau of Geology and Mineral Resources
Telephone: 505-476-3402
Last EDR Contact: 12/17/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL MINES 2: Coal Permit Boundaries

ESRI ArcView shapefile depicting New Mexico coal mines permitted under the Surface Mining Control and Reclamation Act of 1977 (SMCRA), by either the NM Mining & Minerals Division (MMD), or by the federal DOI Office of Surface Mining, Reclamation & Enforcement.

Date of Government Version: 02/01/2014
Date Data Arrived at EDR: 03/20/2015
Date Made Active in Reports: 04/13/2015
Number of Days to Update: 24

Source: Mining & Minerals Division
Telephone: 505-476-3417
Last EDR Contact: 06/23/2017
Next Scheduled EDR Contact: 10/02/2017
Data Release Frequency: Varies

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/11/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Semi-Annually

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/07/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/06/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/17/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Semi-Annually

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/07/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/01/2016	Source: EPA Region 7
Date Data Arrived at EDR: 01/26/2017	Telephone: 913-551-7003
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 11/14/2016	Source: EPA, Region 1
Date Data Arrived at EDR: 01/26/2017	Telephone: 617-918-1313
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/14/2016	Source: EPA Region 4
Date Data Arrived at EDR: 01/27/2017	Telephone: 404-562-9424
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 98	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/06/2016	Source: EPA Region 9
Date Data Arrived at EDR: 01/26/2017	Telephone: 415-972-3368
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/17/2016	Source: EPA Region 8
Date Data Arrived at EDR: 01/26/2017	Telephone: 303-312-6137
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Quarterly

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 01/14/2017	Source: EPA Region 5
Date Data Arrived at EDR: 01/26/2017	Telephone: 312-886-6136
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 06/27/2017
Number of Days to Update: 142	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the New Mexico Environment Department in New Mexico.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/16/2014
Number of Days to Update: 199

Source: New Mexico Environment Department
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the New Mexico Environment Department in New Mexico.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 186

Source: New Mexico Environment Department
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/30/2017
Date Data Arrived at EDR: 02/01/2017
Date Made Active in Reports: 02/13/2017
Number of Days to Update: 12

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/03/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/13/2017
Date Made Active in Reports: 07/14/2017
Number of Days to Update: 92

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/12/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Child Day Care Providers

Source: Office of Child Development

Telephone: 505-827-7946

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: US Fish & Wildlife Service

Telephone: 505-248-6660

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

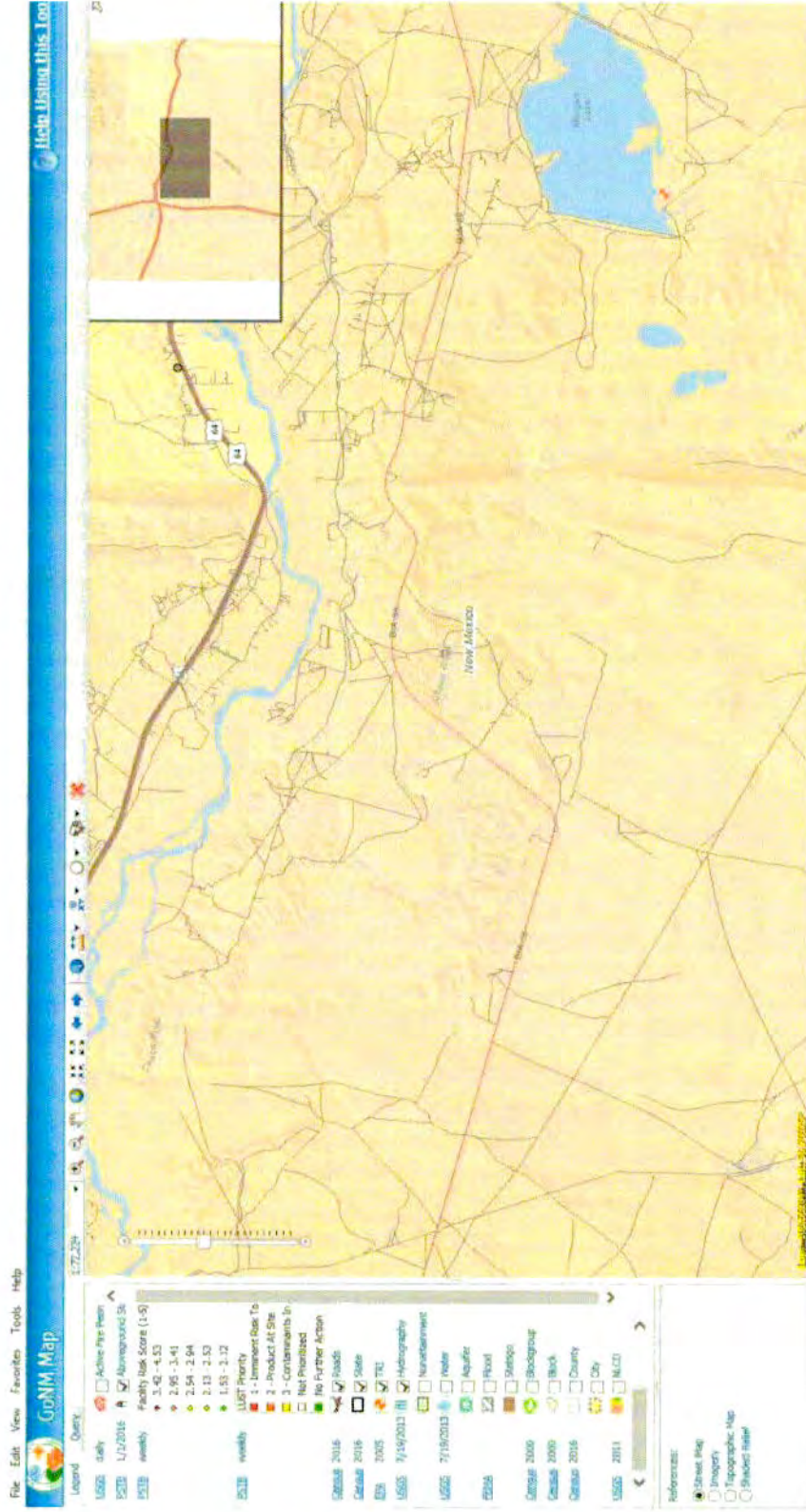
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Supplemental State Environmental Database

Mapping of the Subject Property

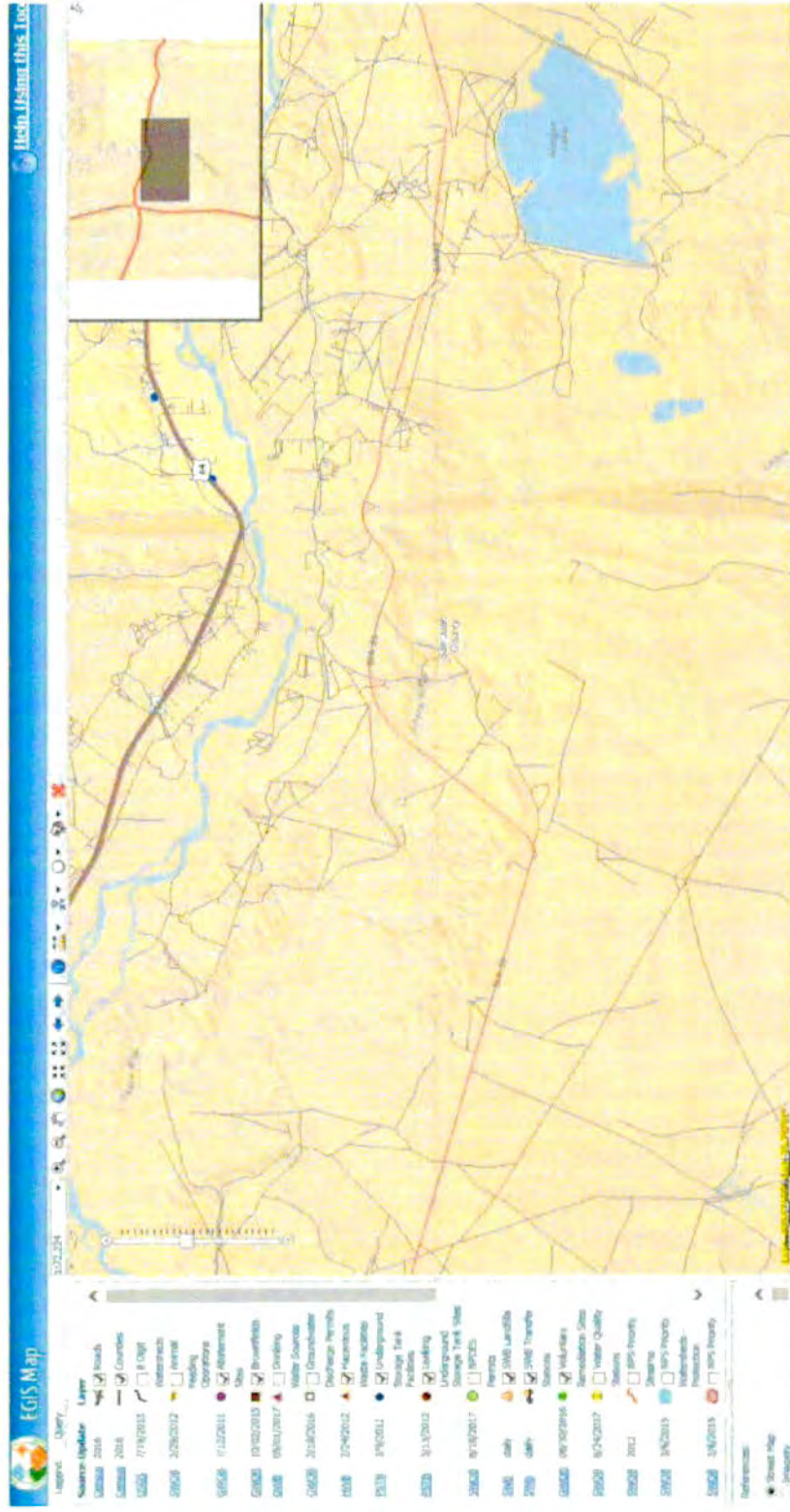
New Mexico Environment Department Petroleum Storage Tank Bureau, GoNM Mapper Environmental Database Application

Available at: <https://gis.web.env.nm.gov/GoNM/>. Accessed September 28, 2016.



New Mexico Environment Department, EGIS Mapper Environmental Database Application

Available at: <https://gis.web.env.nm.gov/EGIS/>. Accessed September 28, 2016.



Available at: <http://geoinfo.nmt.edu/maps/#>. Accessed August 25, 2017.



NEW MEXICO
STATE LAND OFFICE

HOME Oil and Gas, Minerals Map Service

Map Relief Inventory Tools

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Oil, Gas and Minerals Map Service

Geological Features

Magmatic Vents

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SLD Active Lands

Geological Features

Minerals

Oil and Gas Leases

Agricultural Leases

Oil Gas Leasing Regulations

Land Rights

Land Grants

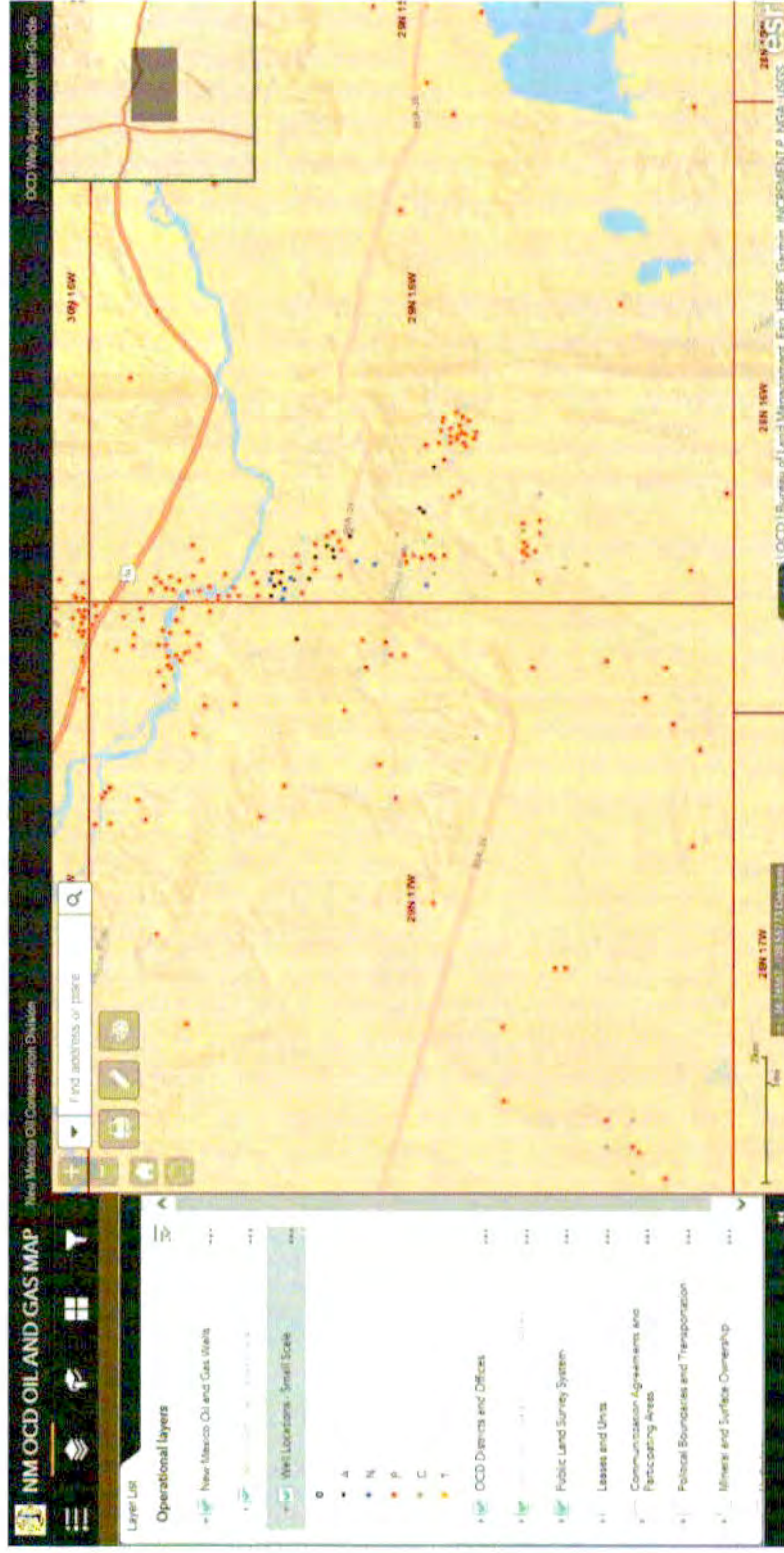
New Mexico State Trust Lands

Federal Minerals Ownership

[illegible]

New Mexico Oil Conservation Division

<http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4a821bdf94c4448e68b86a77d0750e7cc>. Accessed September 28, 2016.



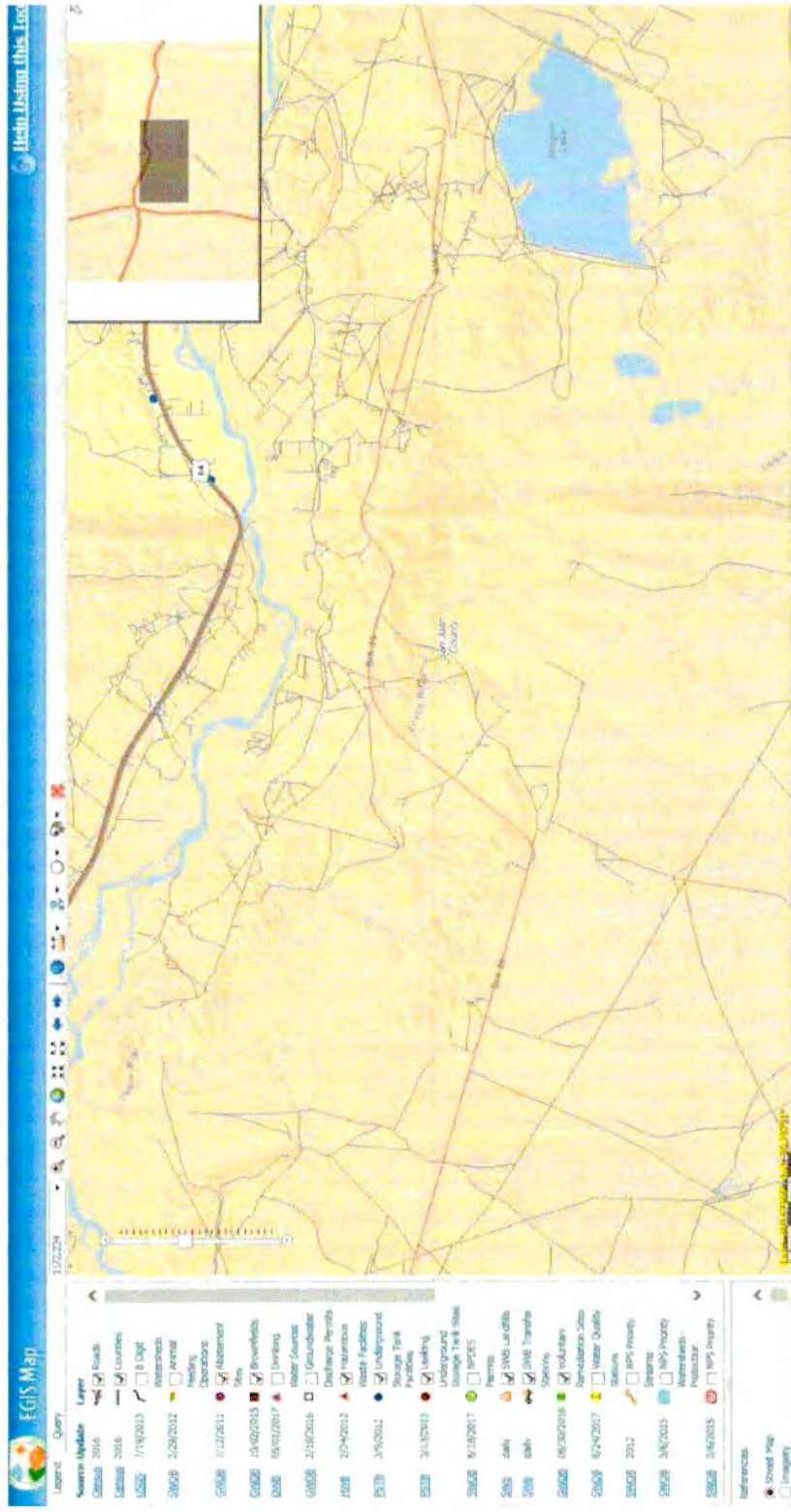
Supplemental State Environmental Database

Mapping of the Subject Property

Available at: <https://gis.web.env.nm.gov/GoNM/>. Accessed August 24, 2017.

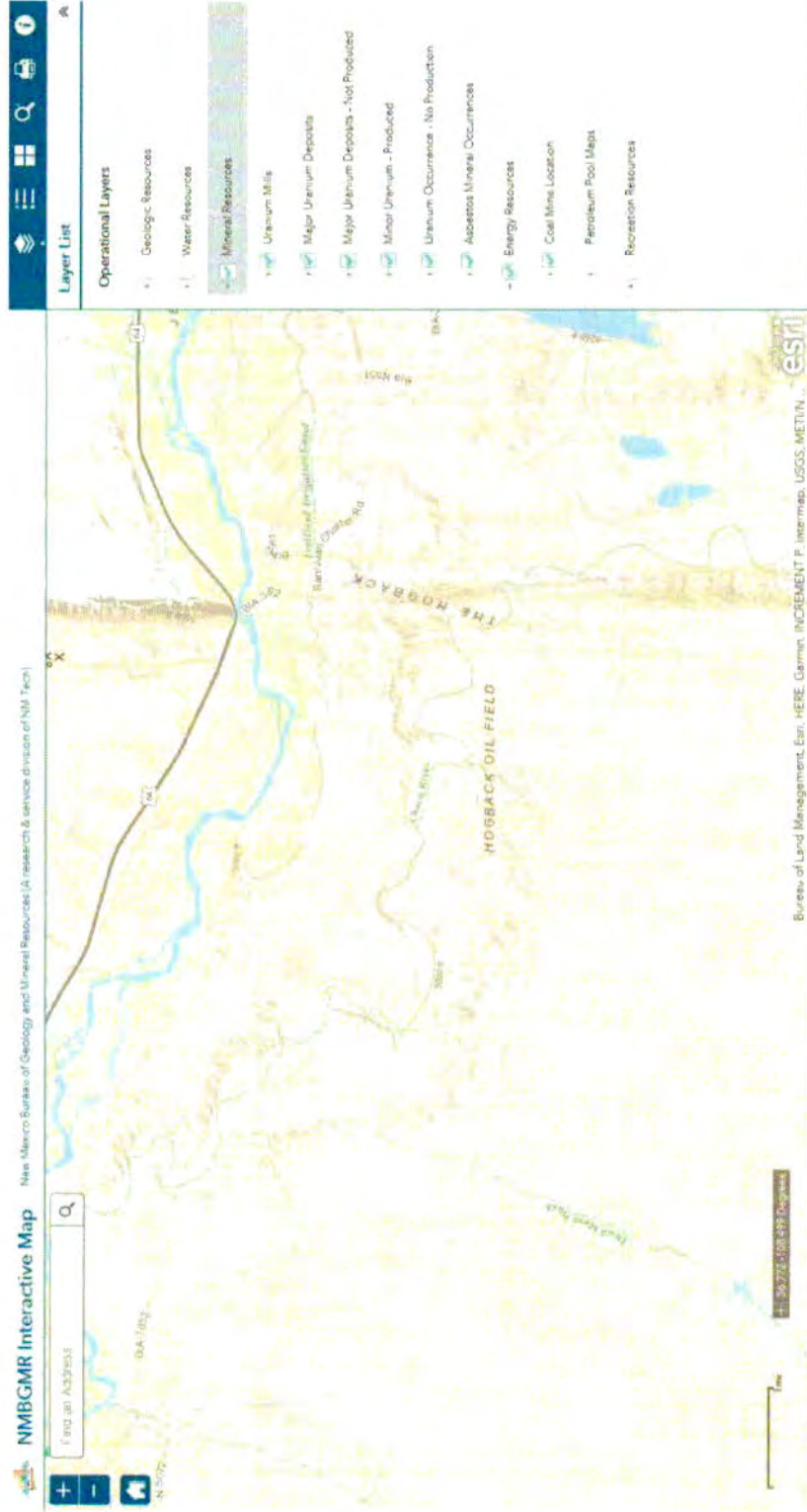


Available at: <https://gis.web.env.nm.gov/EGIS/>. Accessed August 24, 2017.



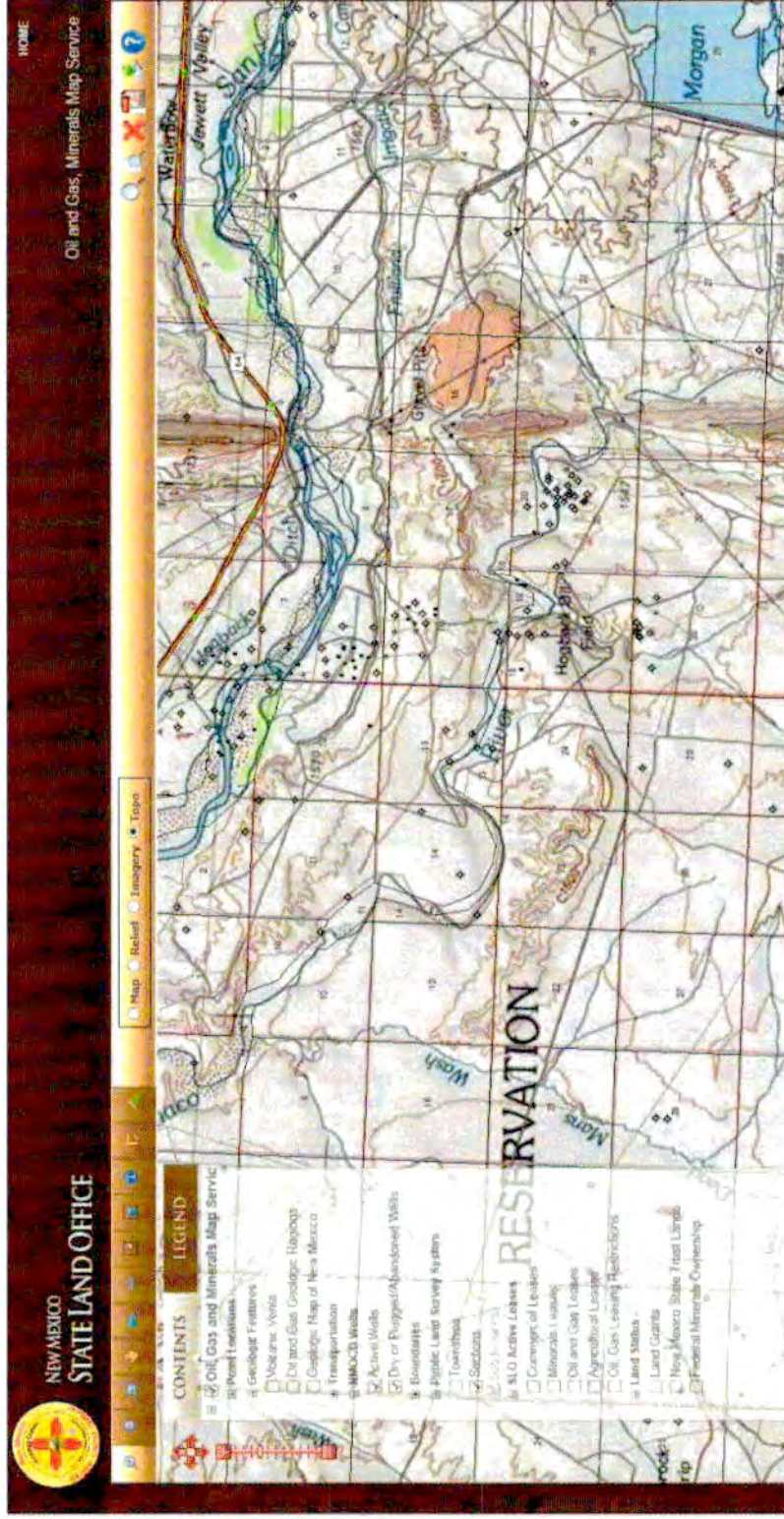
New Mexico Bureau of Geology & Mineral Resources, New Mexico Web Map

Available at: <http://geoinfo.nmt.edu/maps/#>. Accessed August 24, 2017.



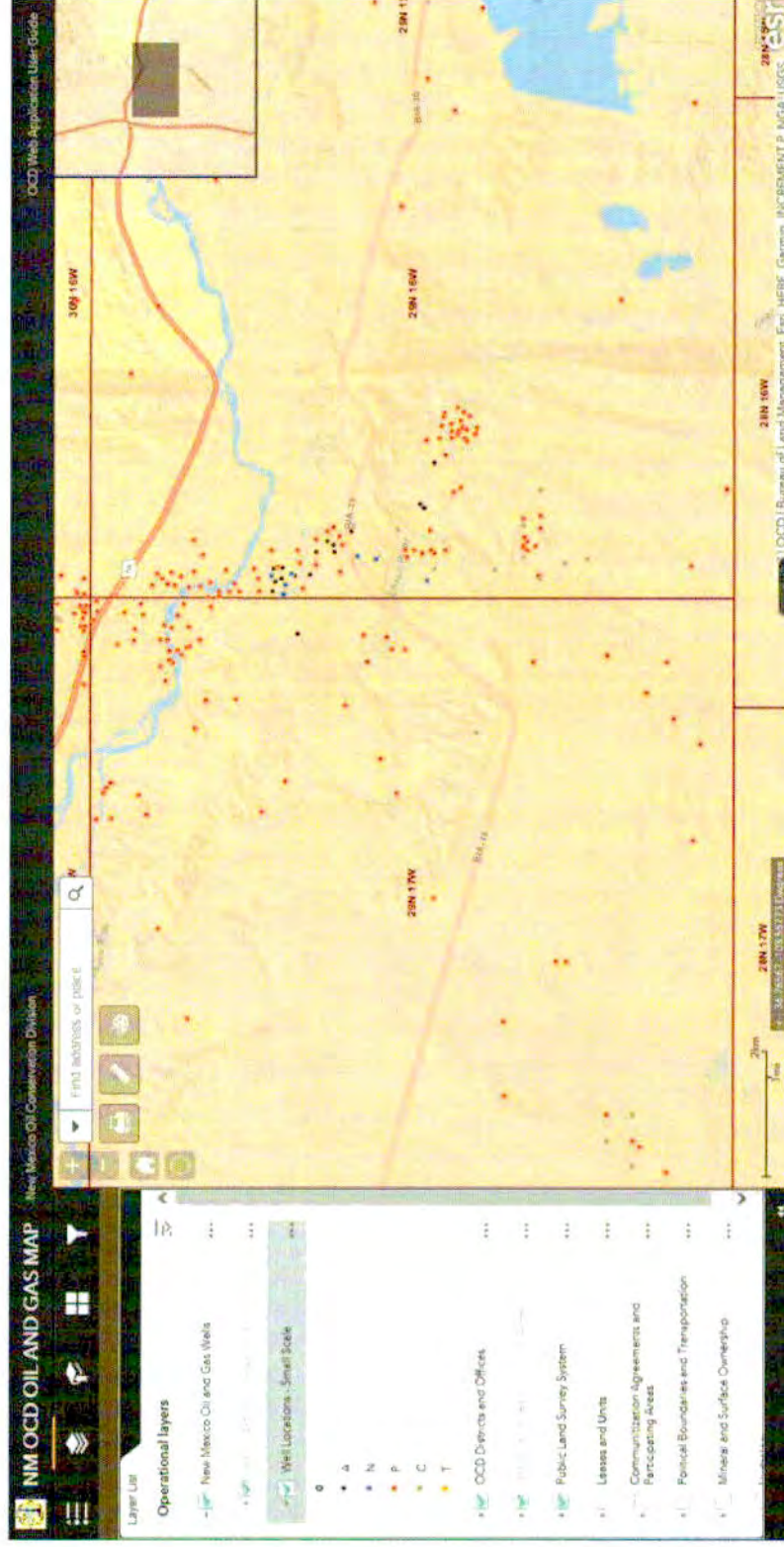
New Mexico State Land Office Oil, Gas, and Mineral Mapping Application

<http://landstatus.nmstatelands.org/OandG.aspx>. Accessed August 24, 2017.



New Mexico Oil Conservation Division

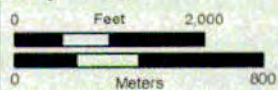
<http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4a821bdf94c448e68b86a77d0750e7cc>. Accessed August 24, 2017.



Data Source: ESRI ArcGIS Online,
World Imagery, accessed September 2017
NAD83 Zone 13 (meters)
San Juan County, NM







**Reach 4C
Project Location
Map 1 of 2**



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Map Created: 8/23/2017
Map Updated: 9/18/2017

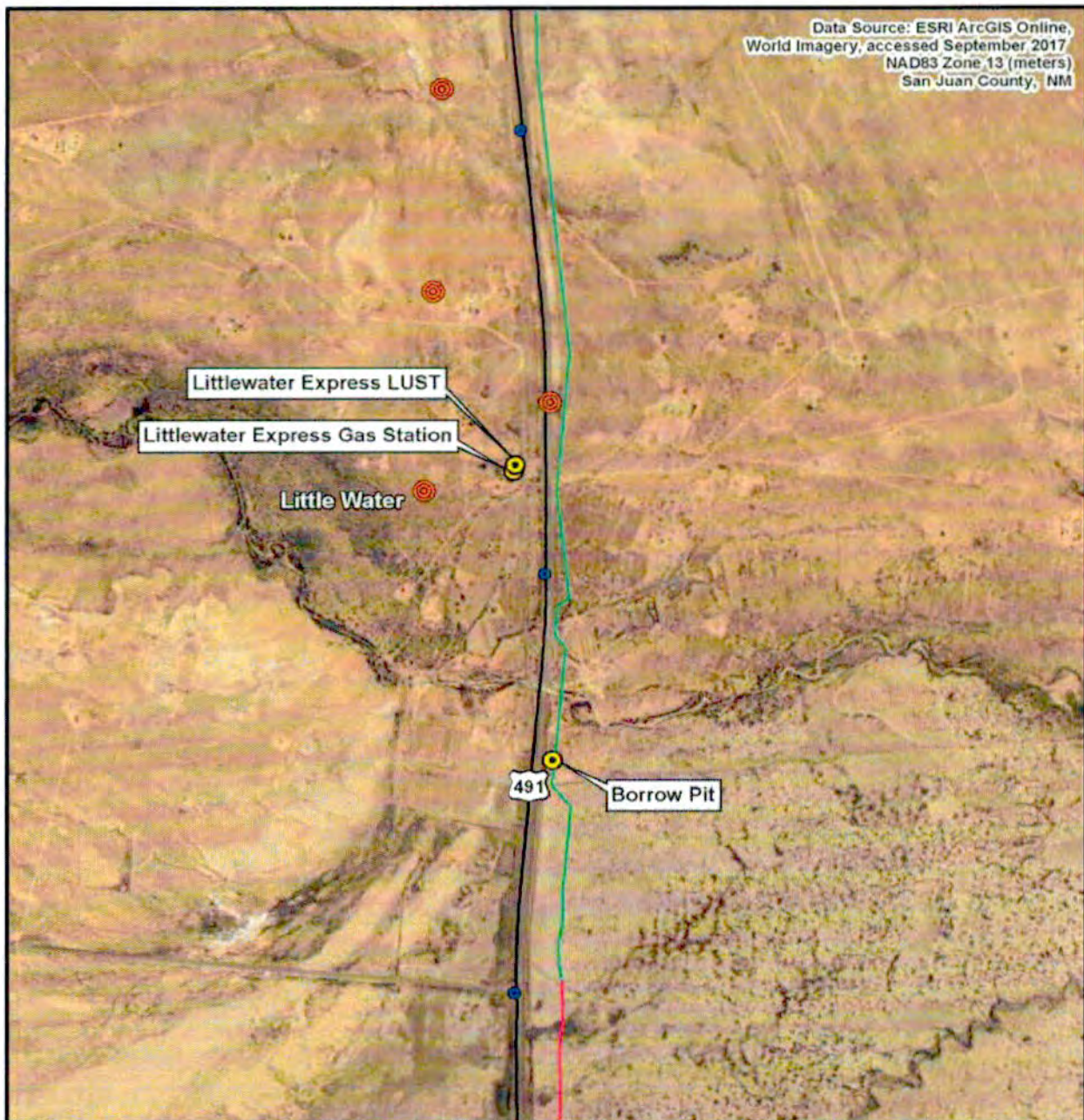


-  Plugged and Abandoned Well
-  Mile Marker
-  Reach 4C
-  Roadway



New Mexico

Data Source: ESRI ArcGIS Online,
World Imagery, accessed September 2017
NAD83 Zone 13 (meters)
San Juan County, NM



**Reach 4C
Project Location
Map 2 of 2**

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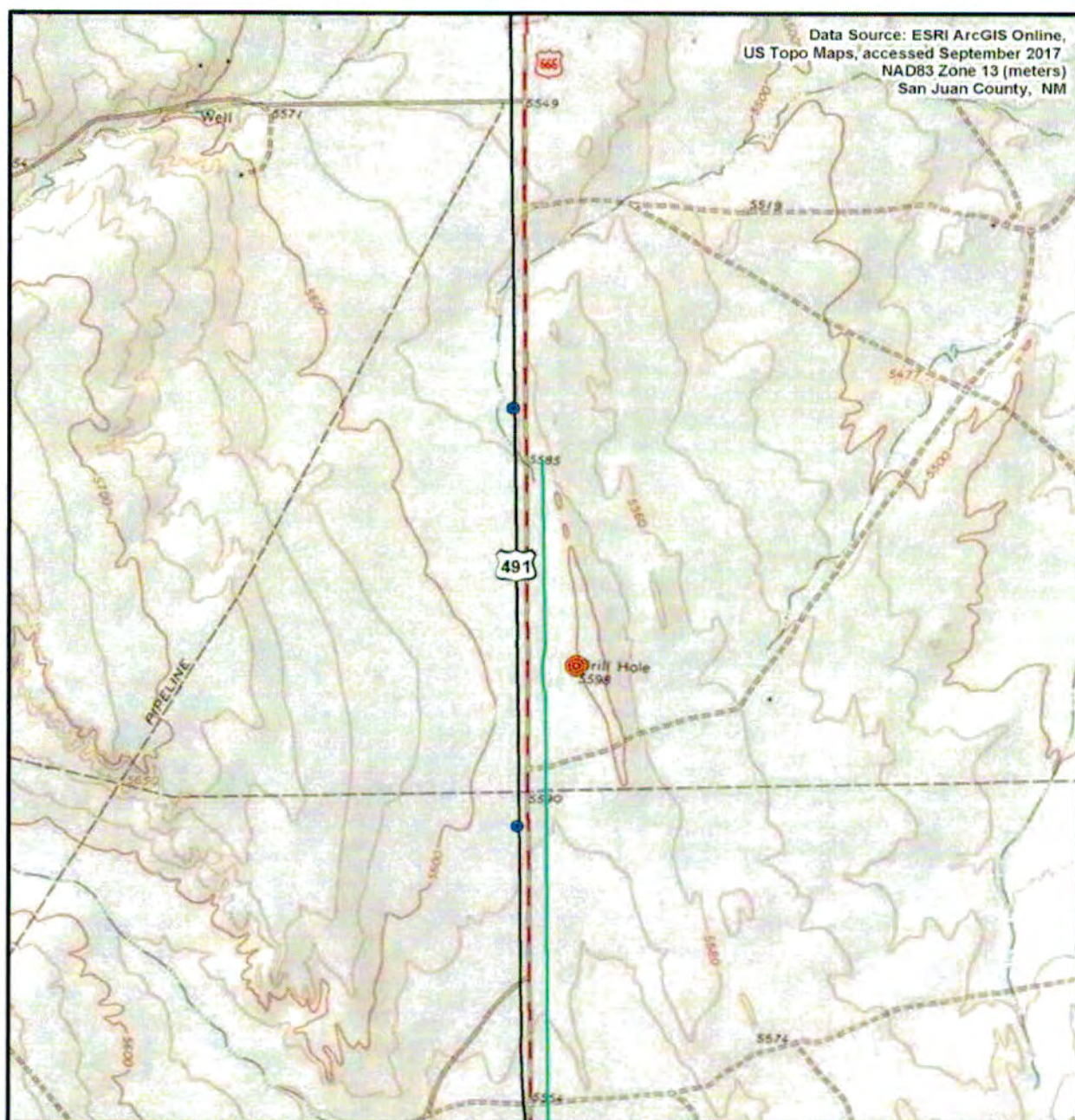
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Map Created: 8/23/2017
Map Updated: 9/18/2017



- Point of Interest
- Plugged and Abandoned Well
- Mile Marker
- Reach 4C
- Reach 6
- Roadway



New Mexico



**Reach 4C
Project Location
Map 1 of 2**

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Project No. 26985.10
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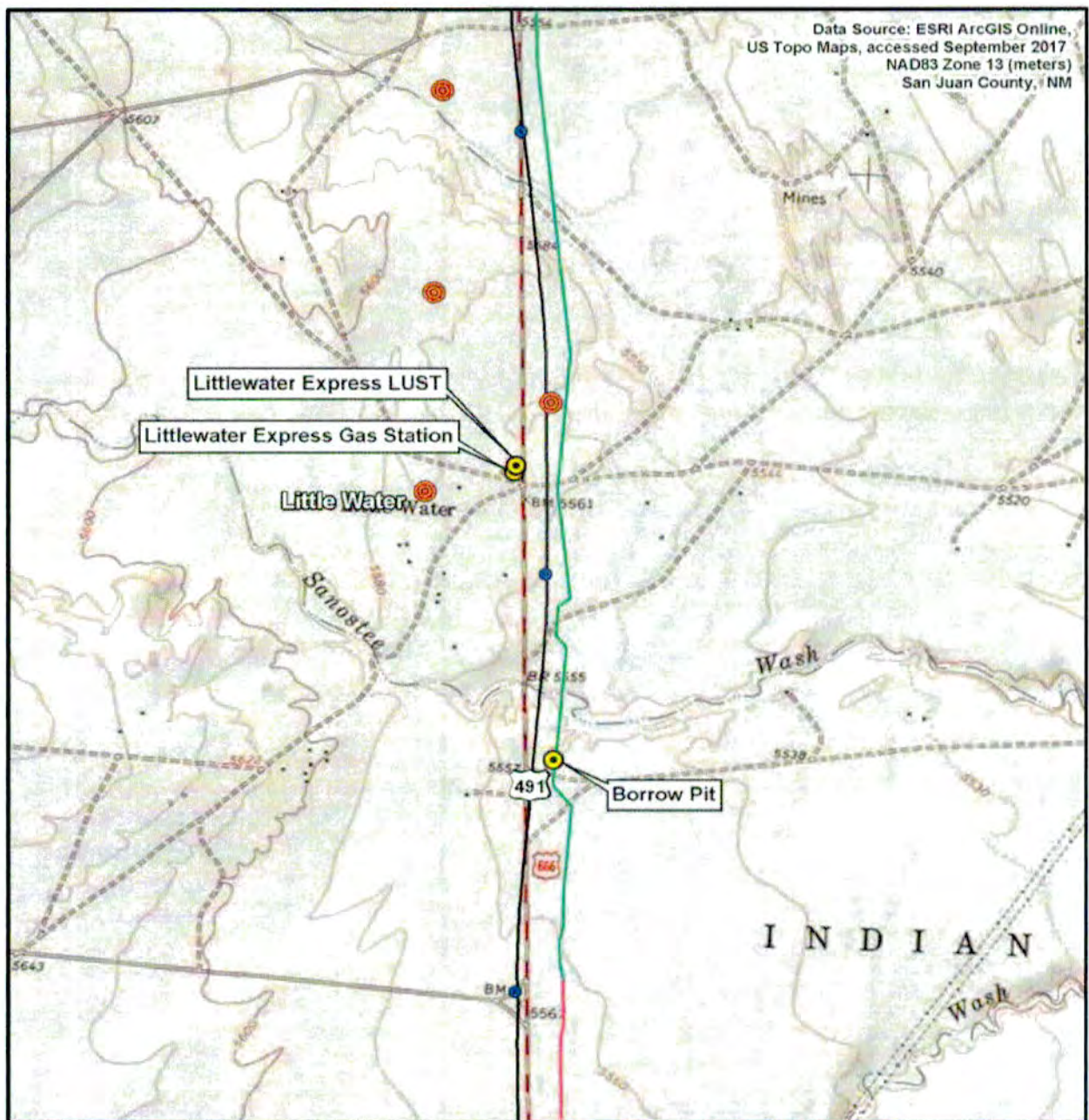


- Plugged and Abandoned Well
- Mile Marker
- Reach 4C
- Roadway



New Mexico

Data Source: ESRI ArcGIS Online,
US Topo Maps, accessed September 2017
NAD83 Zone 13 (meters)
San Juan County, NM



Reach 4C
Project Location
Map 2 of 2



N
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Project No. 26986.10
File: NGWSP_Reach_4C_Phase_1
Map Created: 8/23/2017
Map Updated: 9/18/2017



- Point of Interest
- Plugged and Abandoned Well
- Mile Marker
- Reach 4C
- Reach 6
- Roadway



New Mexico

Data Source: ESRI ArcGIS Online,
World Imagery, accessed September 2017
NAD83 Zone 13 (meters)
San Juan County, NM

Littlewater Landfill

491

**Reach 6
Project Location
Map 1 of 4**



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Map Created: 8/23/2017
Map Updated: 9/18/2017

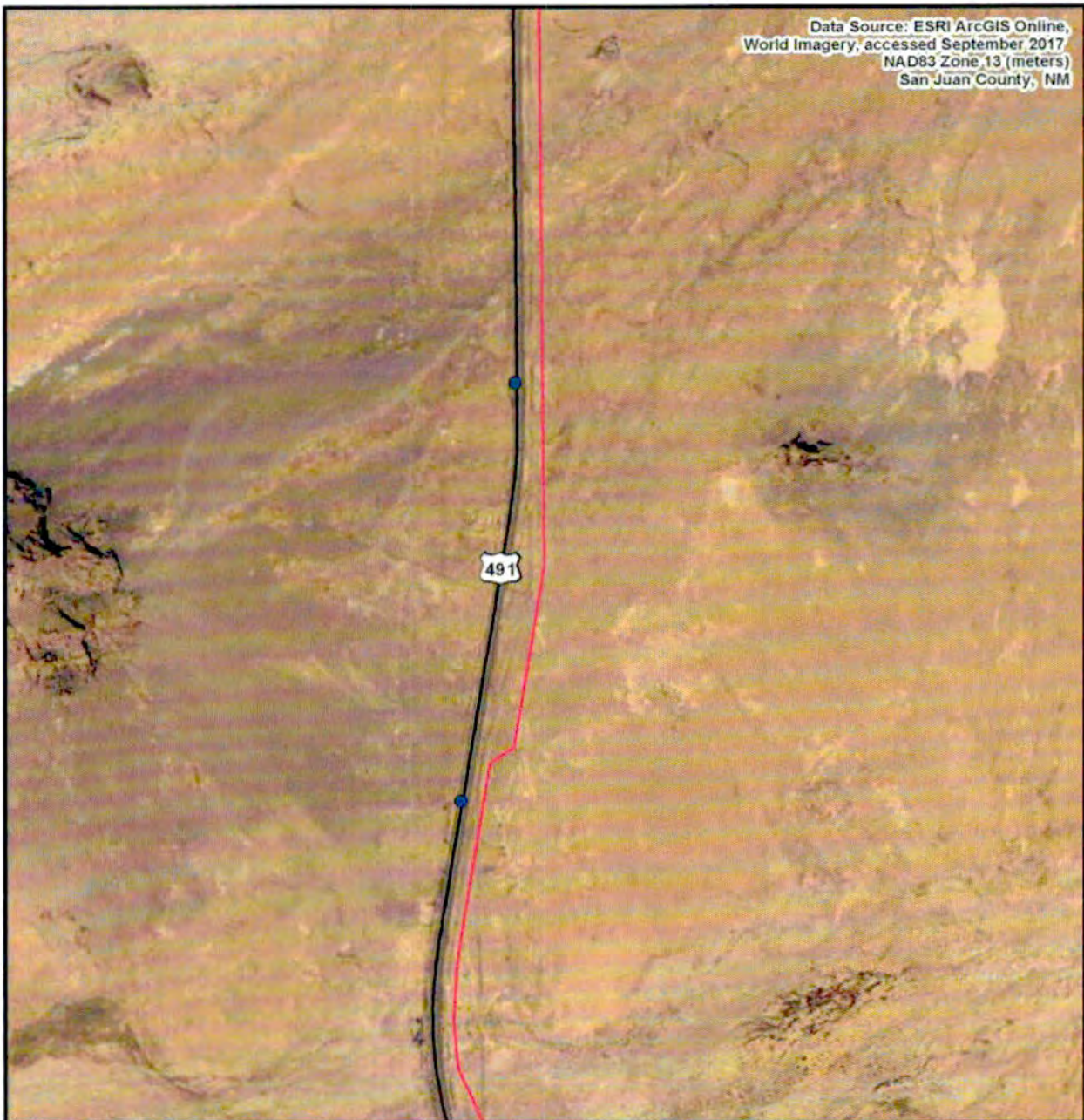


- Point of Interest
- Mile Marker
- Reach 4C
- Reach 6
- Roadway



New Mexico

Data Source: ESRI ArcGIS Online,
World Imagery, accessed September 2017
NAD83 Zone 13 (meters)
San Juan County, NM



**Reach 6
Project Location
Map 2 of 4**

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0 Meters 800

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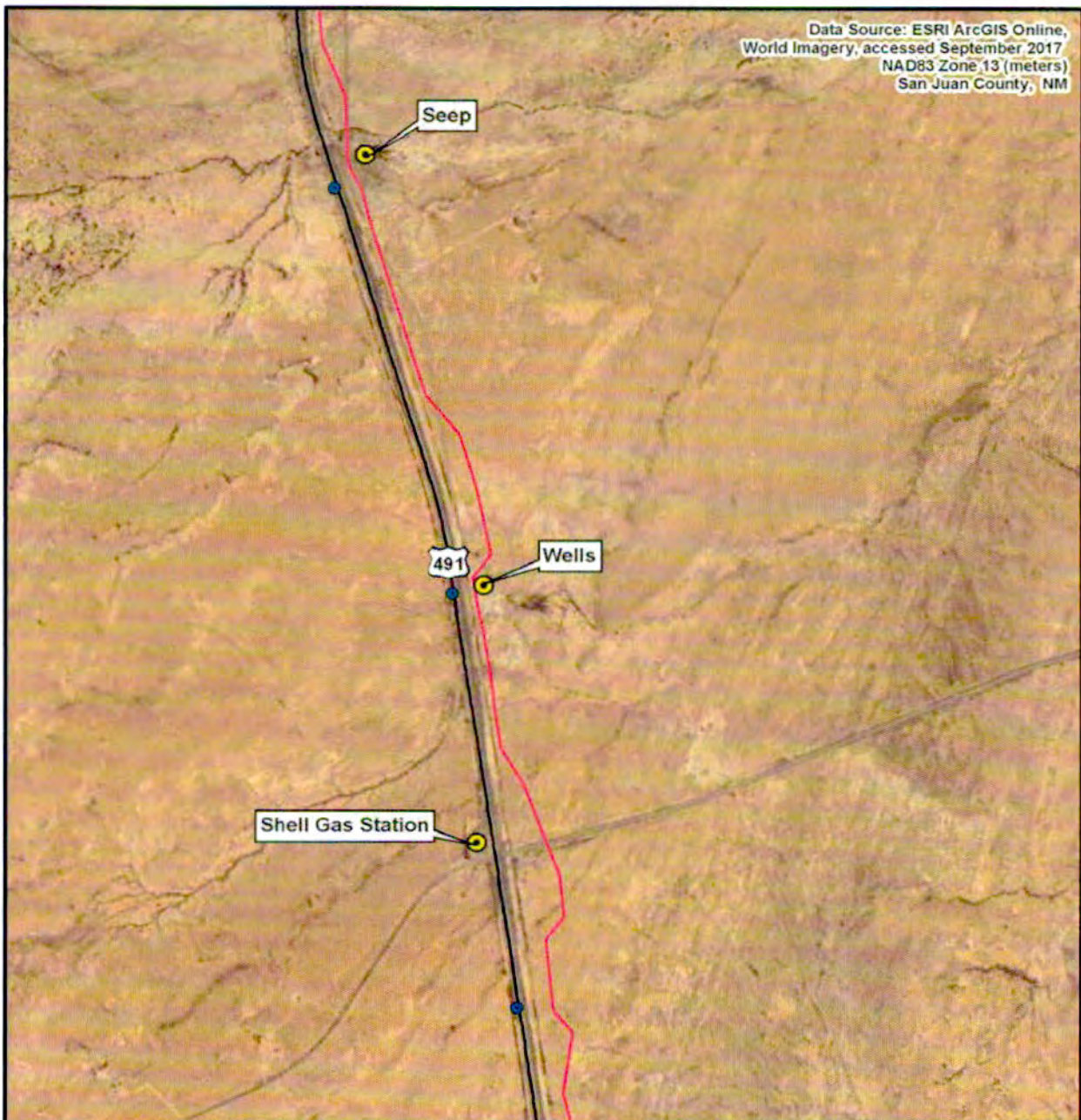
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Map Updated: 9/18/2017

● Mile Marker
— Reach 6
— Roadway



New Mexico

Data Source: ESRI ArcGIS Online,
World Imagery, accessed September 2017
NAD83 Zone 13 (meters)
San Juan County, NM



**Reach 6
Project Location
Map 3 of 4**

0 Feet 2,000
0 Meters 800

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SWCA
ENVIRONMENTAL CONSULTANTS

Project No. 26986.10
File: NGWSP_Reach_6_Phase_1
Map Created: 8/23/2017
Map Updated: 9/18/2017

- Point of Interest
- Mile Marker
- Reach 6
- Roadway



New Mexico

Data Source: ESRI ArcGIS Online,
World Imagery, accessed September 2017
NAD83 Zone 13 (meters)
San Juan County, NM



**Reach 6
Project Location
Map 4 of 4**

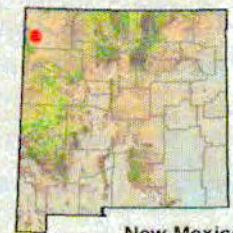
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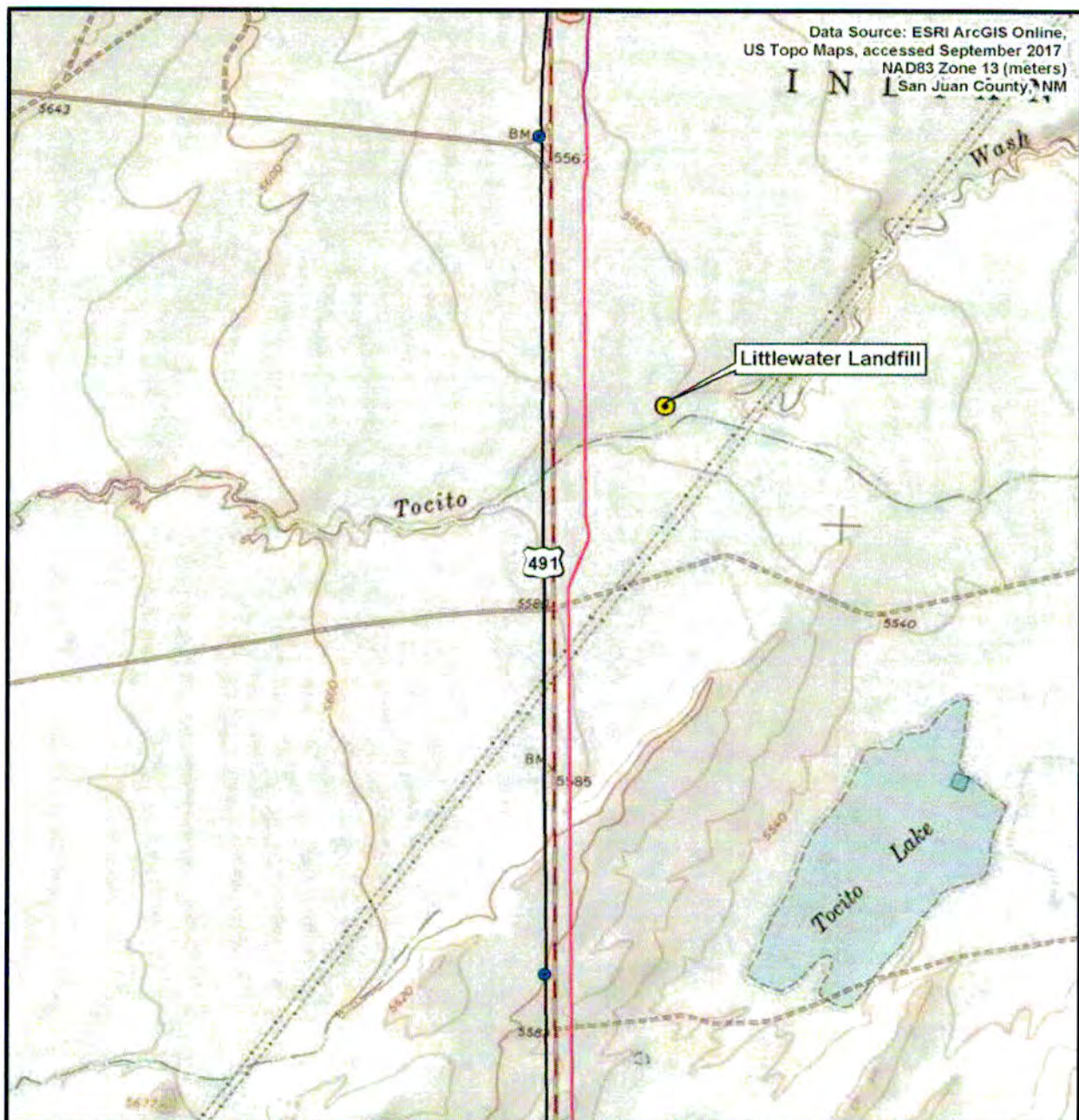
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Map Created: 8/23/2017
Map Updated: 9/18/2017

SWCA
ENVIRONMENTAL CONSULTANTS

- Point of Interest
- Mile Marker
- Reach 7
- Reach 6
- Roadway



New Mexico



**Reach 6
Project Location
Map 1 of 4**



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Project No. 26986.10
File: NGWSP_Reach_6_Phase_1
Map Created: 8/23/2017
Map Updated: 9/18/2017

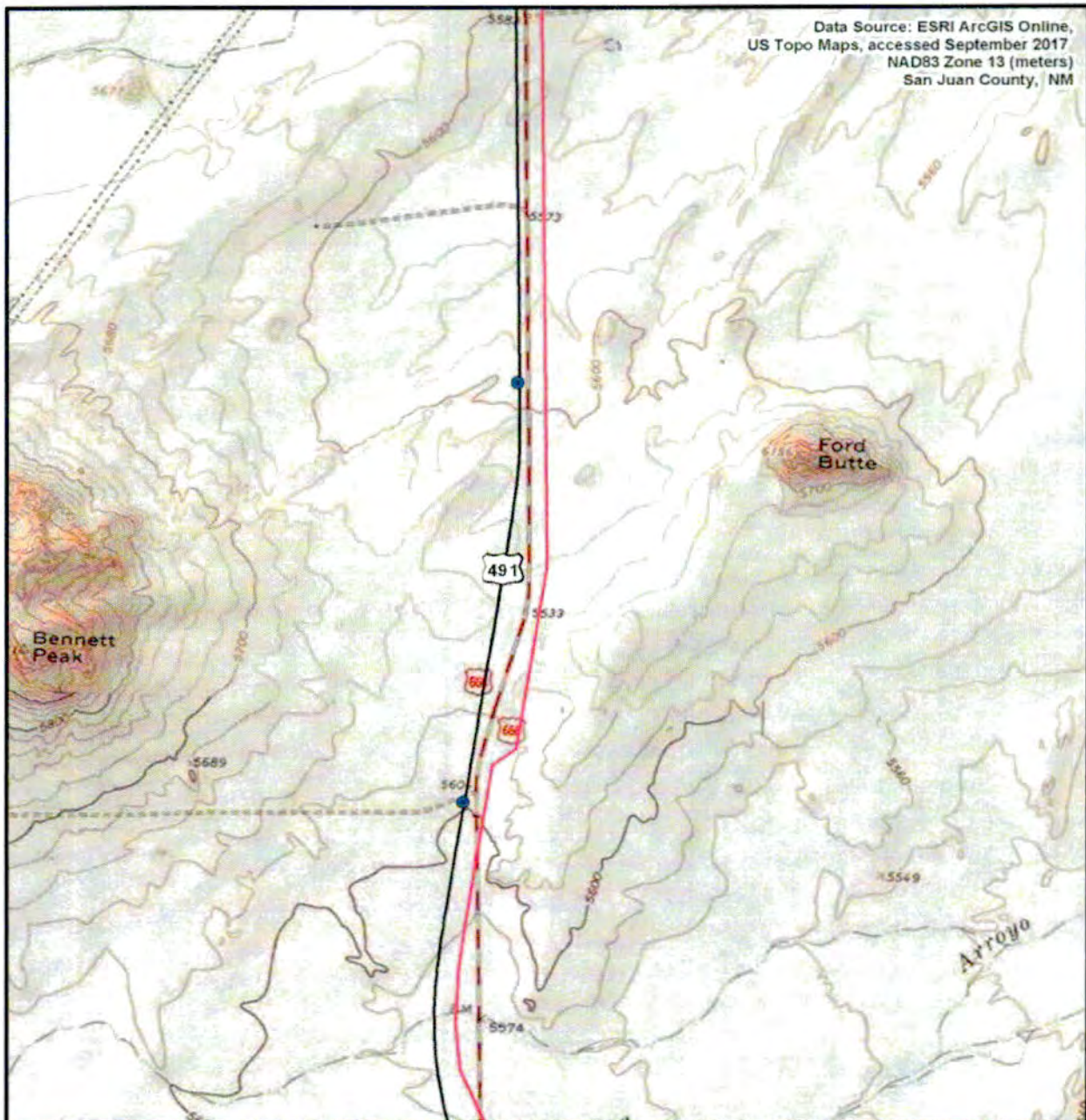


- Point of Interest
- Mile Marker
- Reach 4C
- Reach 6
- Roadway



New Mexico

Data Source: ESRI ArcGIS Online,
US Topo Maps, accessed September 2017
NAD83 Zone 13 (meters)
San Juan County, NM



**Reach 6
Project Location
Map 2 of 4**

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SWCA
ENVIRONMENTAL CONSULTANTS

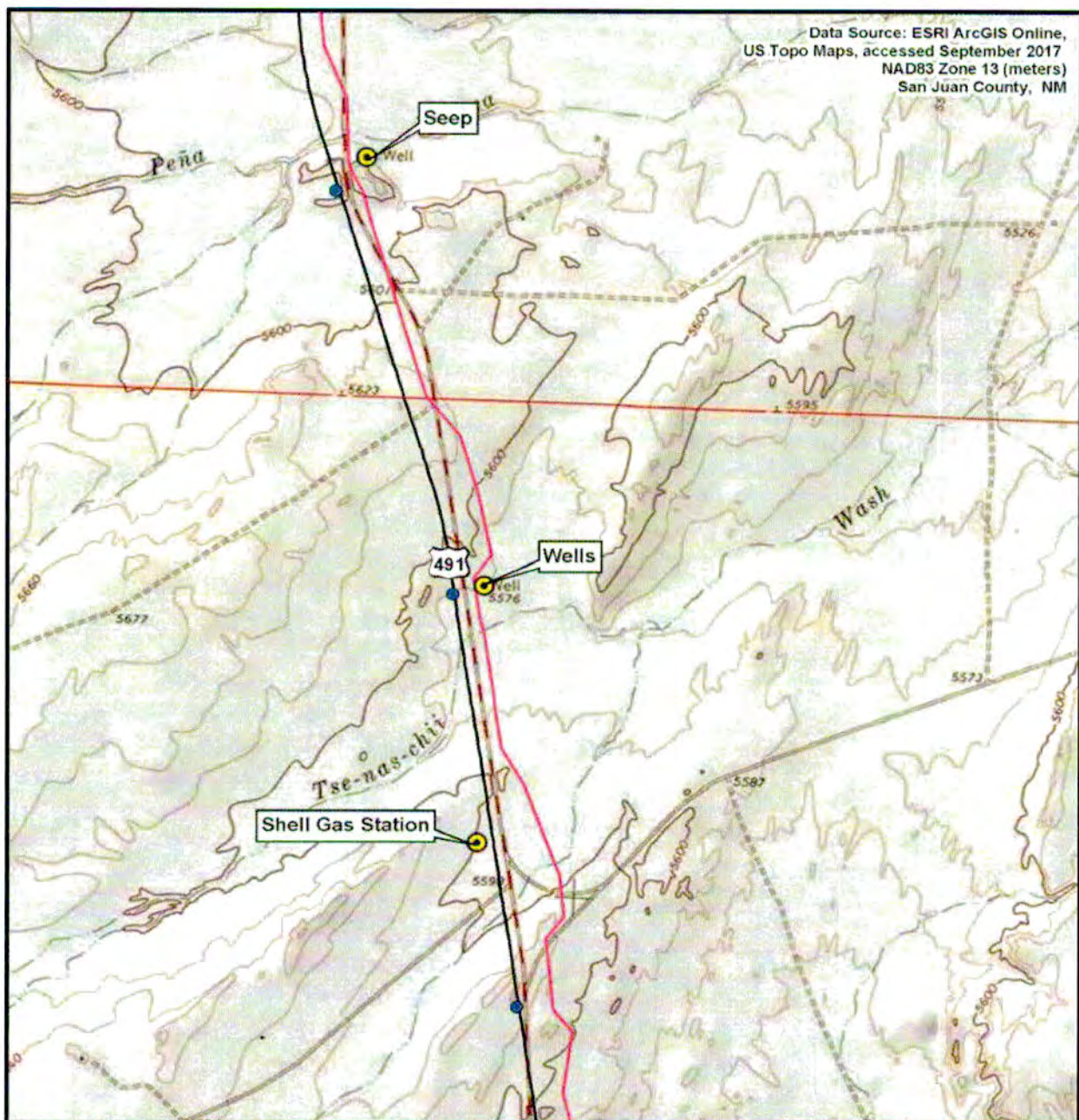
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● Mile Marker
— Reach 6
— Roadway

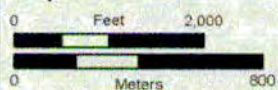


New Mexico

Data Source: ESRI ArcGIS Online,
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NAD83 Zone 13 (meters)
San Juan County, NM



**Reach 6
Project Location
Map 3 of 4**



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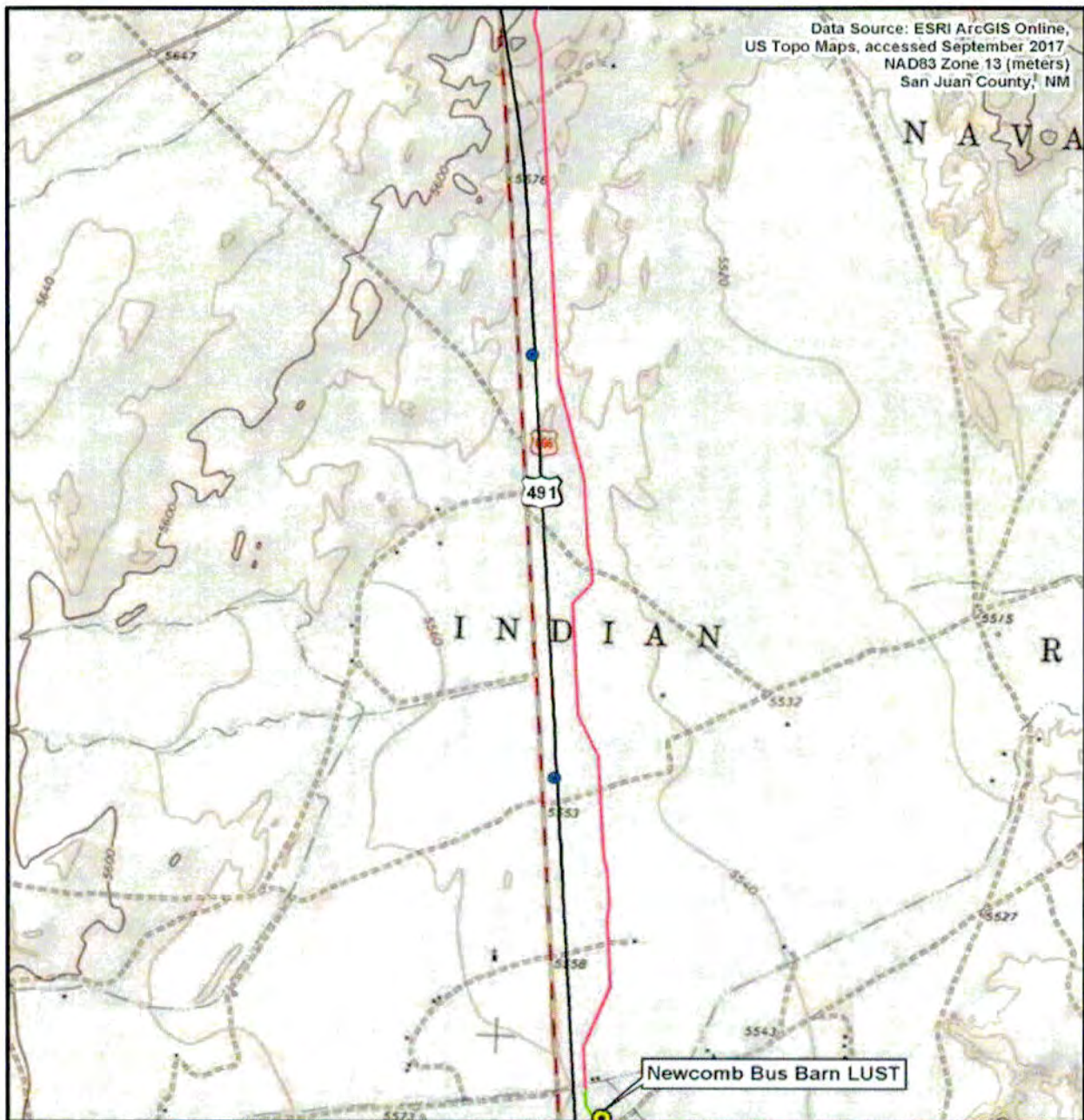


- Point of Interest
- Mile Marker
- Reach 6
- Roadway

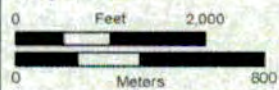


New Mexico

Data Source: ESRI ArcGIS Online,
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NAD83 Zone 13 (meters)
San Juan County, NM



**Reach 6
Project Location
Map 4 of 4**

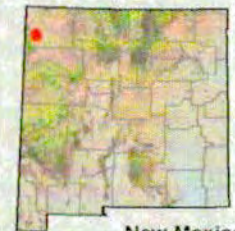


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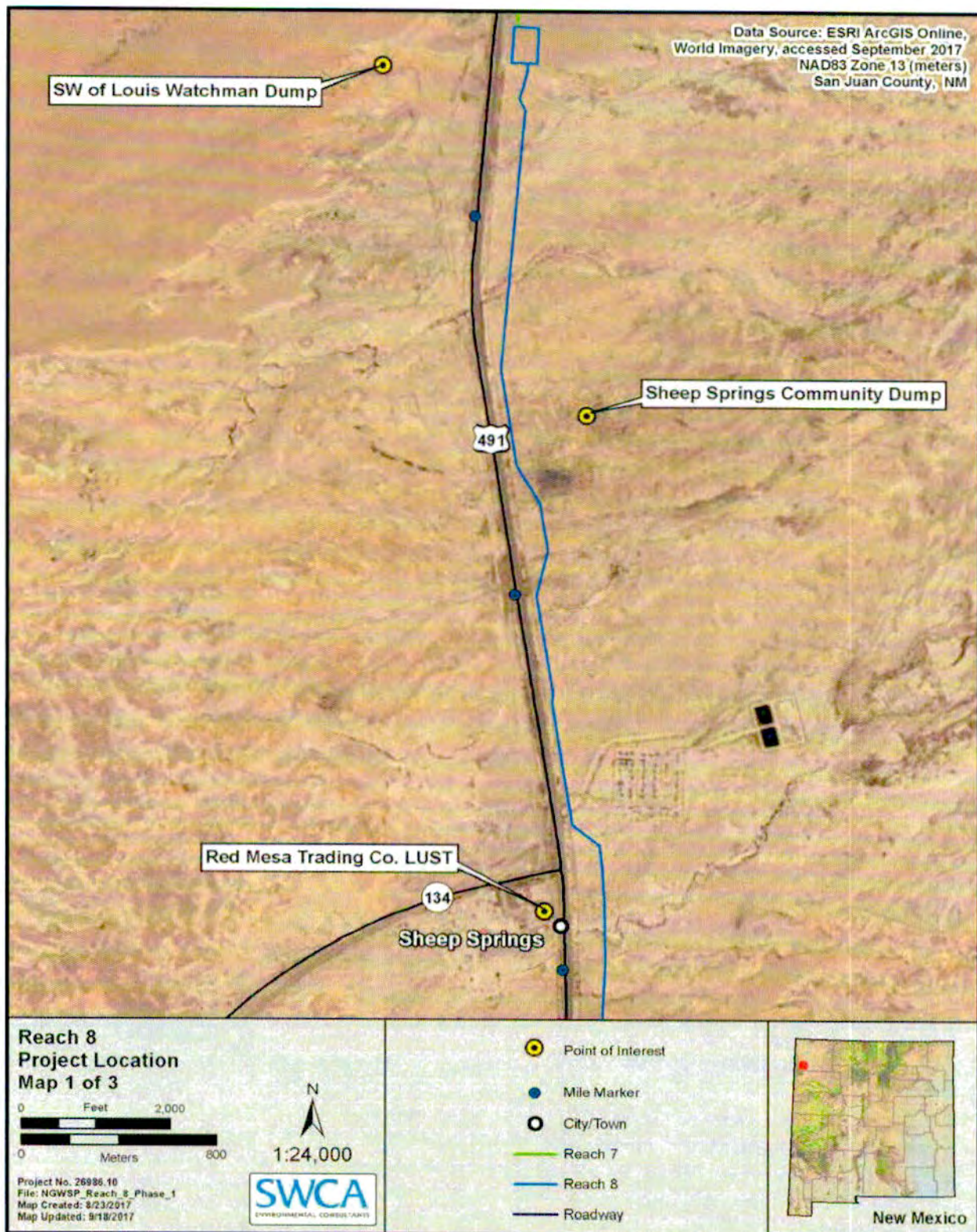
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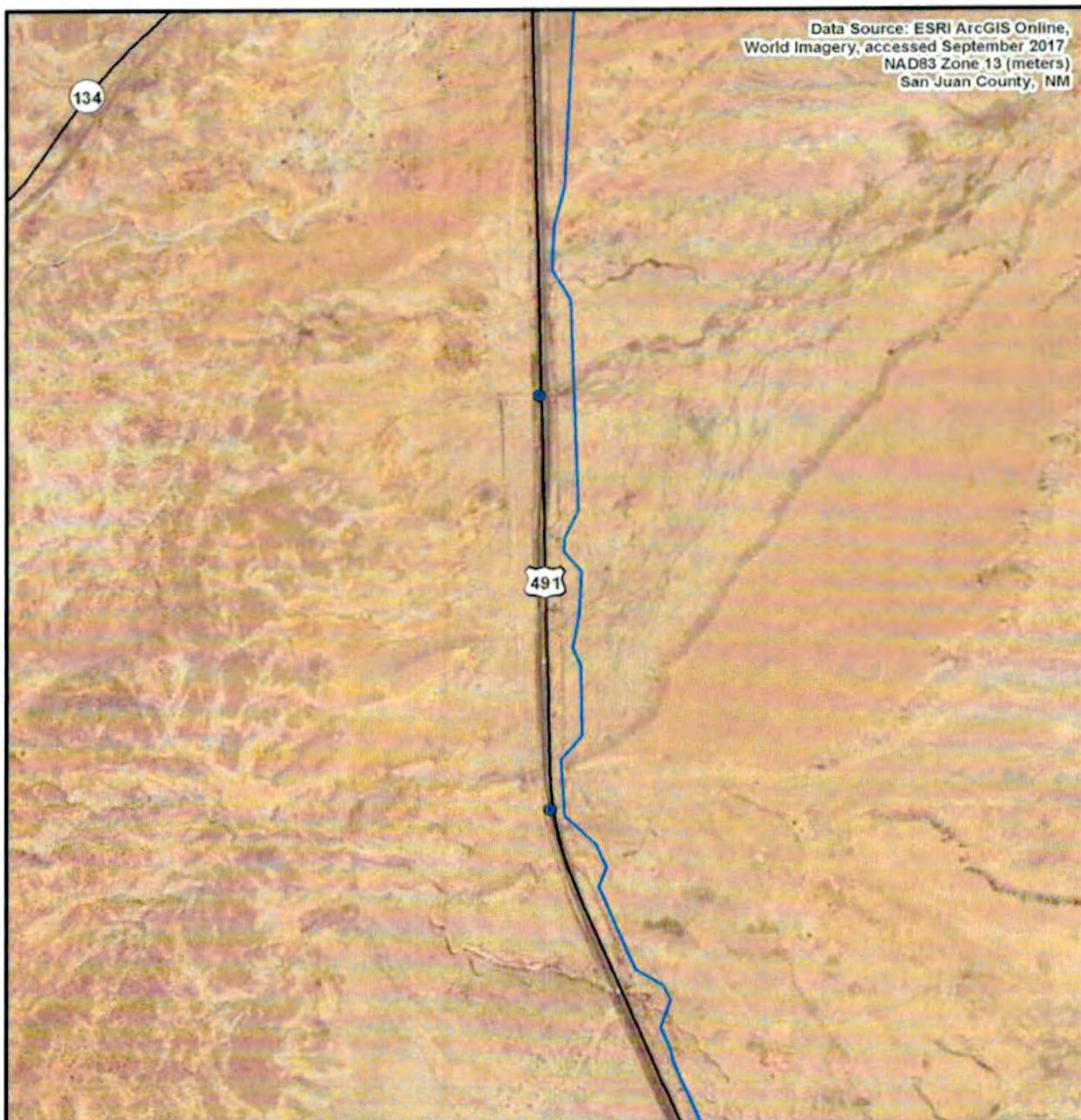
SWCA
LYNCHBURGH, CONSULTANTS

- Point of Interest
- Mile Marker
- Reach 7
- Reach 6
- Roadway

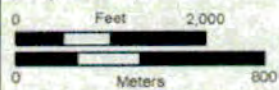


New Mexico





**Reach 8
Project Location
Map 2 of 3**



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Project No. 26995.10
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Map Created: 8/23/2017
Map Updated: 9/18/2017

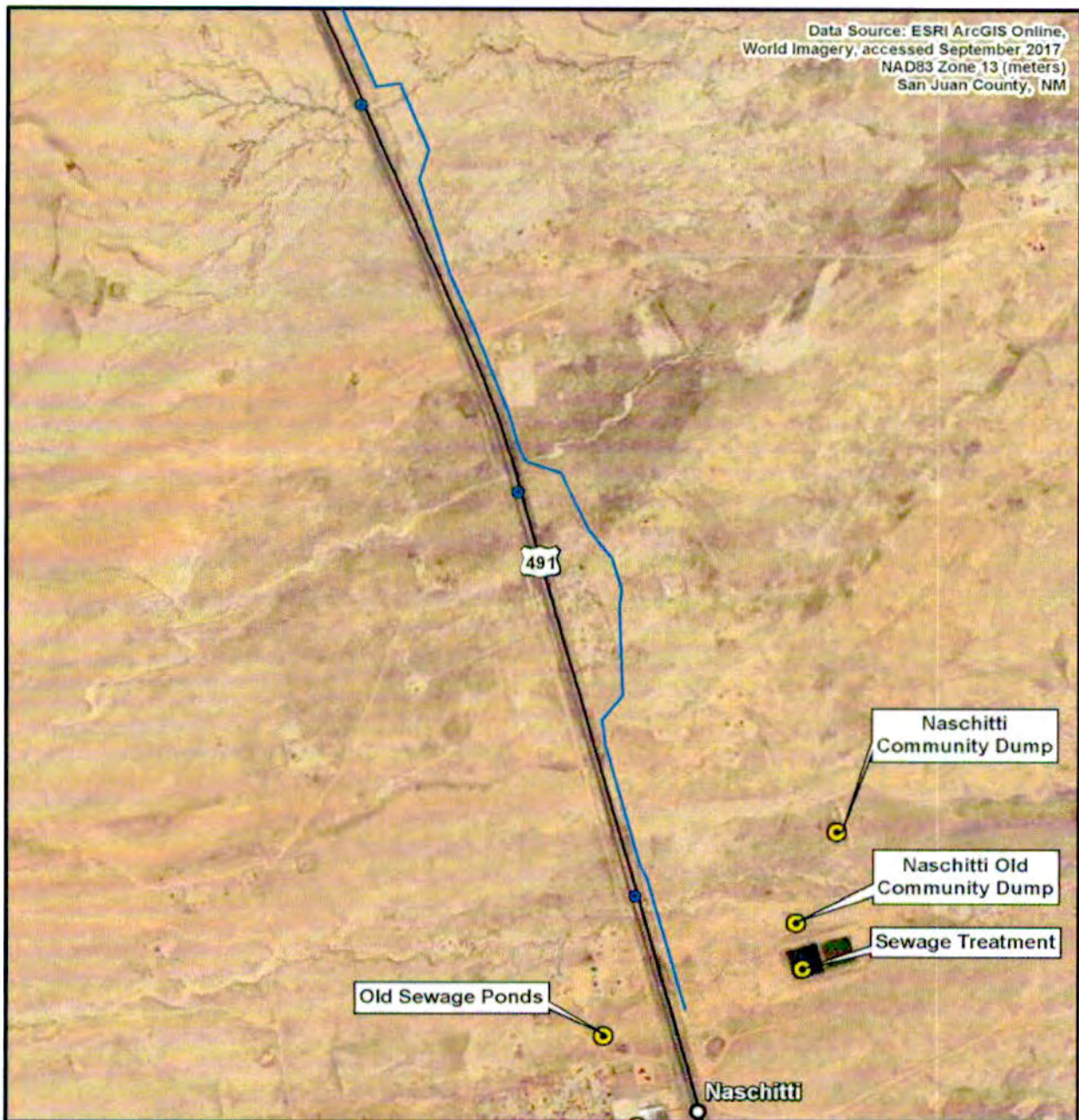
SWCA
ENVIRONMENTAL CONSULTANTS

- Mile Marker
- Reach 8
- Roadway

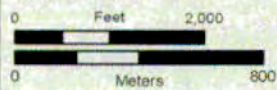


New Mexico

Data Source: ESRI ArcGIS Online,
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NAD83 Zone 13 (meters)
San Juan County, NM



**Reach 8
Project Location
Map 3 of 3**



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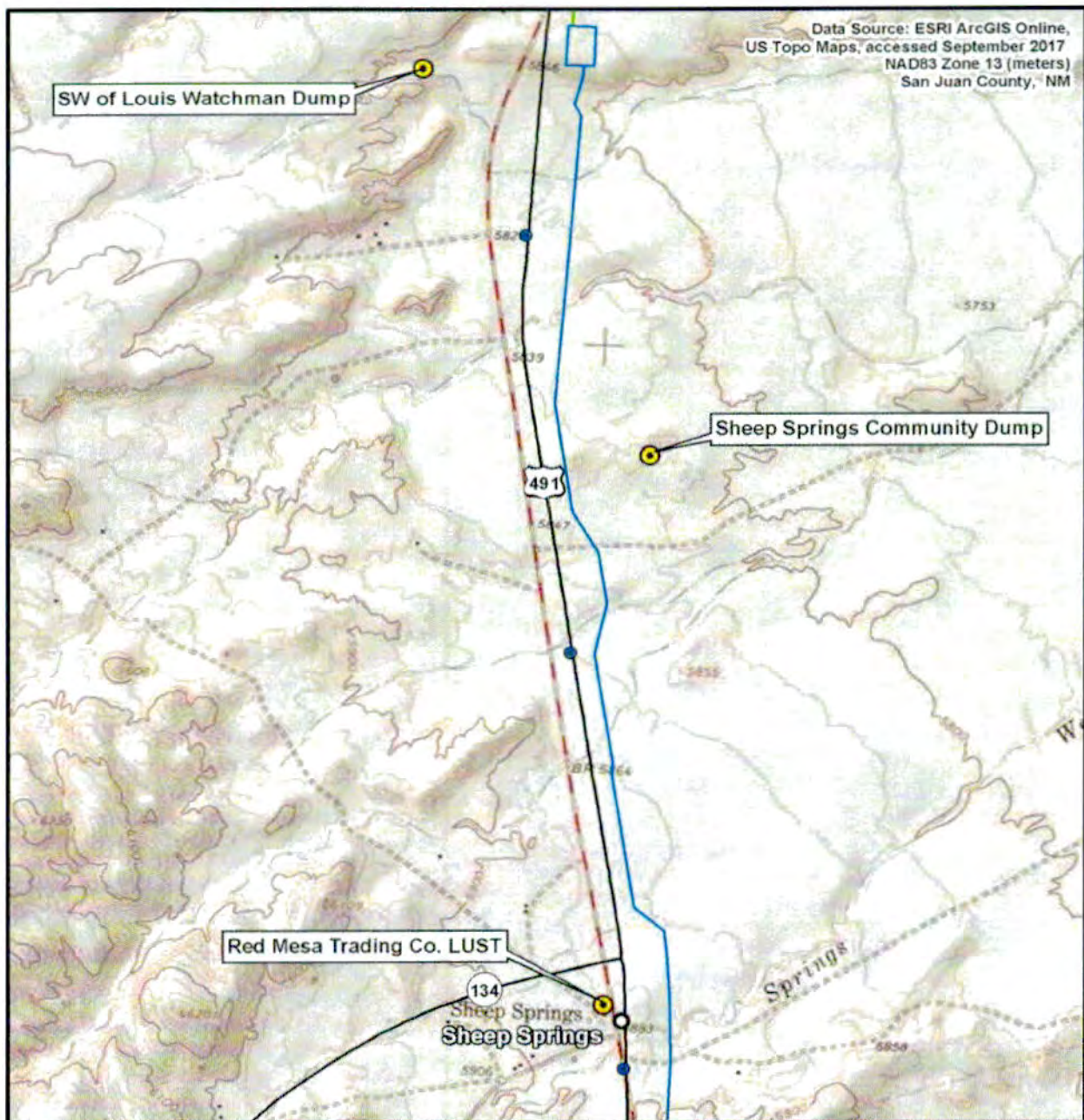
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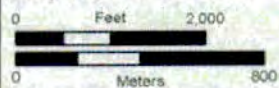
- Point of Interest
- Mile Marker
- City/Town
- Reach 8
- Roadway



New Mexico



**Reach 8
Project Location
Map 1 of 3**



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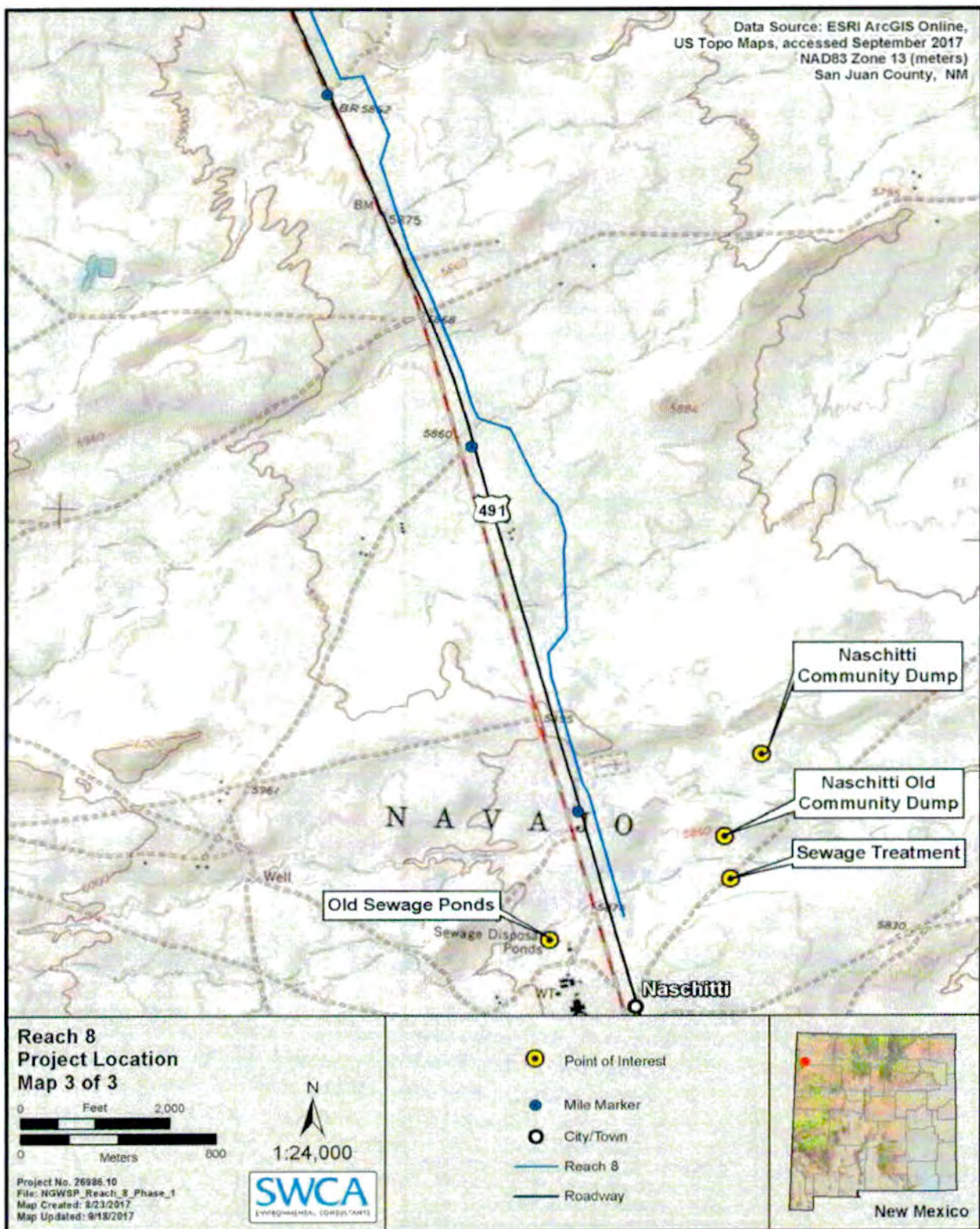
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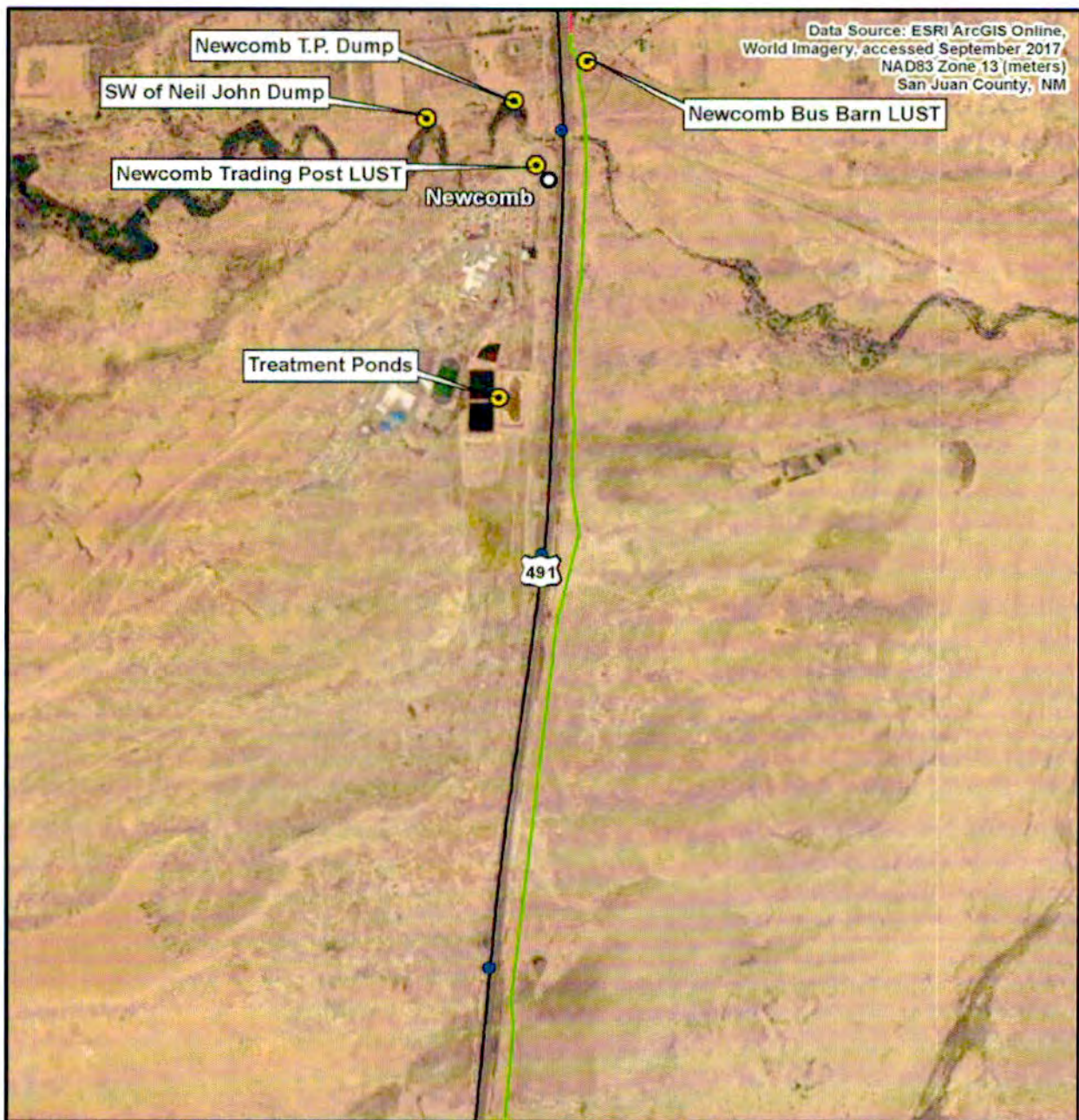


- Point of Interest
- Mile Marker
- City/Town
- Reach 7
- Reach 8
- Roadway

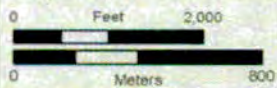


New Mexico





**Reach 7
Project Location
Map 1 of 3**



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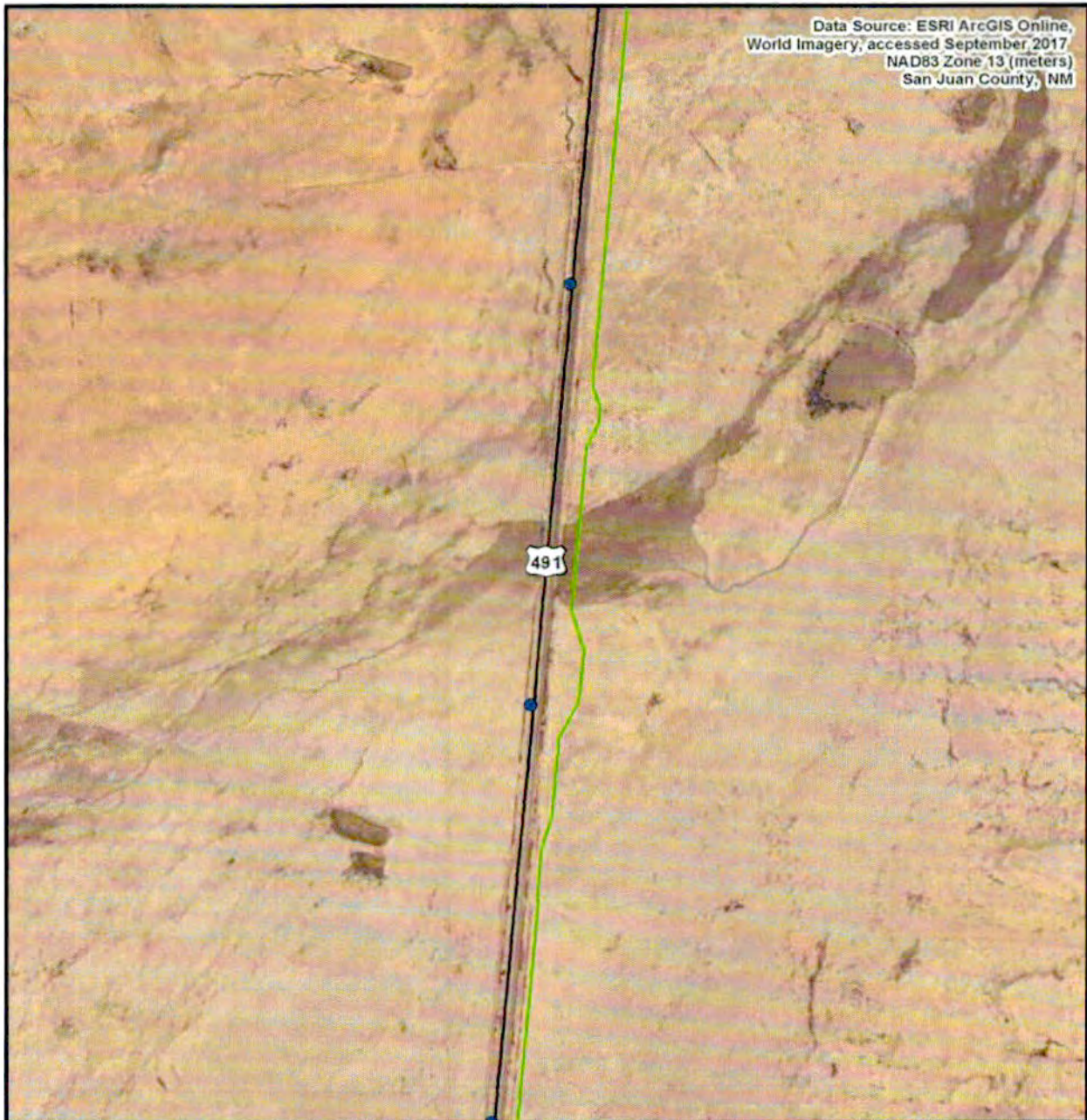
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Map Created: 8/23/2017
Map Updated: 9/18/2017

- Point of Interest
- Mile Marker
- City/Town
- Reach 7
- Reach 6
- Roadway



New Mexico

Data Source: ESRI ArcGIS Online,
World Imagery, accessed September 2017
NAD83 Zone 13 (meters)
San Juan County, NM



**Reach 7
Project Location
Map 2 of 3**

0 Feet 2,000
0 Meters 600

N
1:24,000



Project No. 26986.10
File: NGWSP_Reach_7_Phase_1
Map Created: 8/23/2017
Map Updated: 9/18/2017

- Mile Marker
- Reach 7
- Roadway

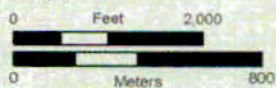


New Mexico

Data Source: ESRI ArcGIS Online,
World Imagery, accessed September 2017
NAD83 Zone 13 (meters)
San Juan County, NM



**Reach 7
Project Location
Map 3 of 3**



N
1:24,000

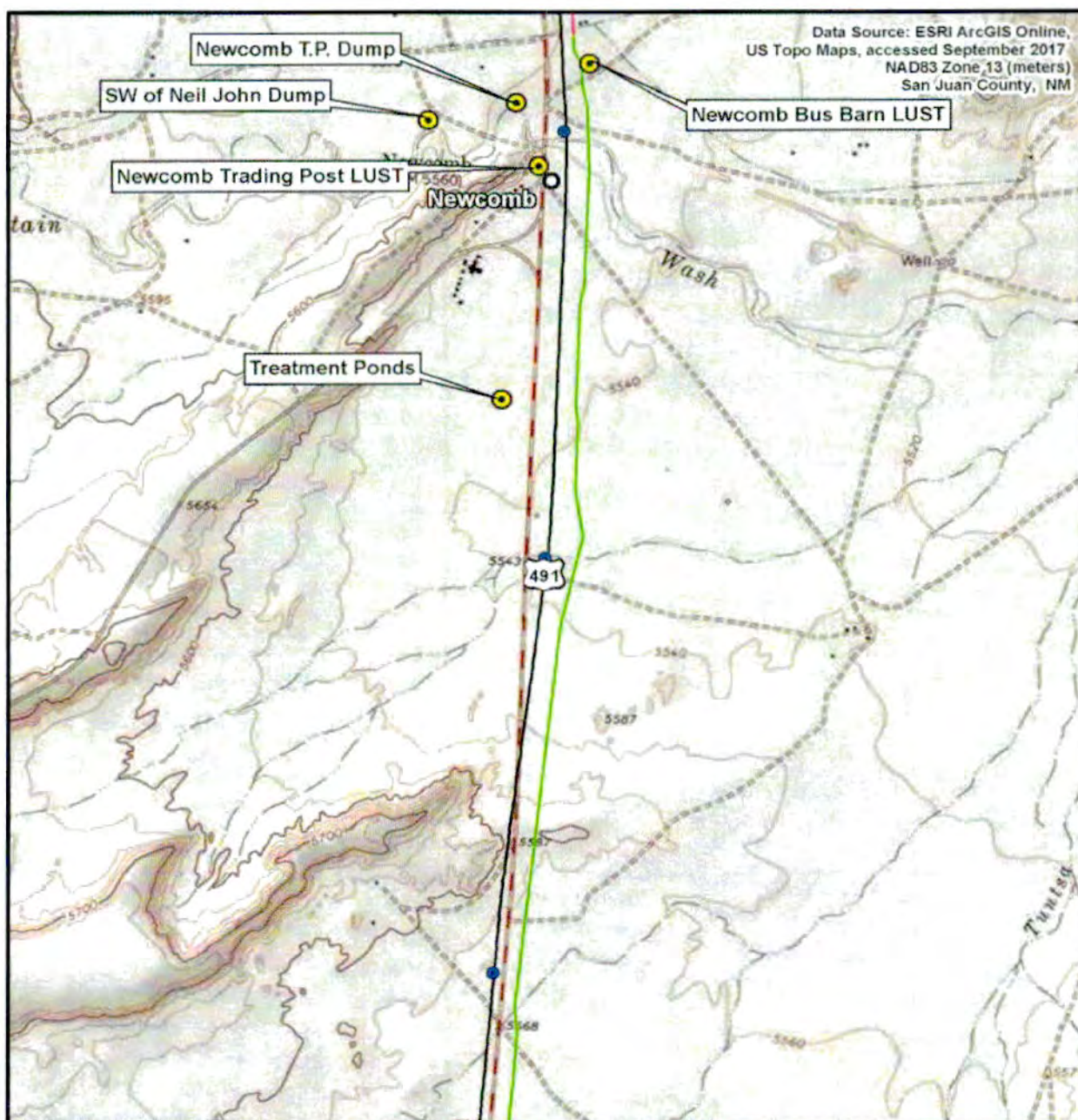
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File: NGWSP_Reach_7_Phase_1
Map Created: 8/23/2017
Map Updated: 9/18/2017

SWCA
ENVIRONMENTAL CONSULTANTS

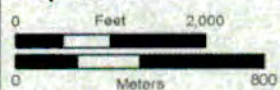
- Point of Interest
- Mile Marker
- Reach 7
- Reach 8
- Roadway



New Mexico



**Reach 7
Project Location
Map 1 of 3**

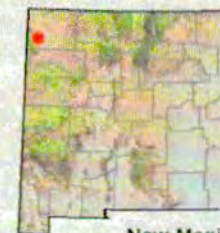


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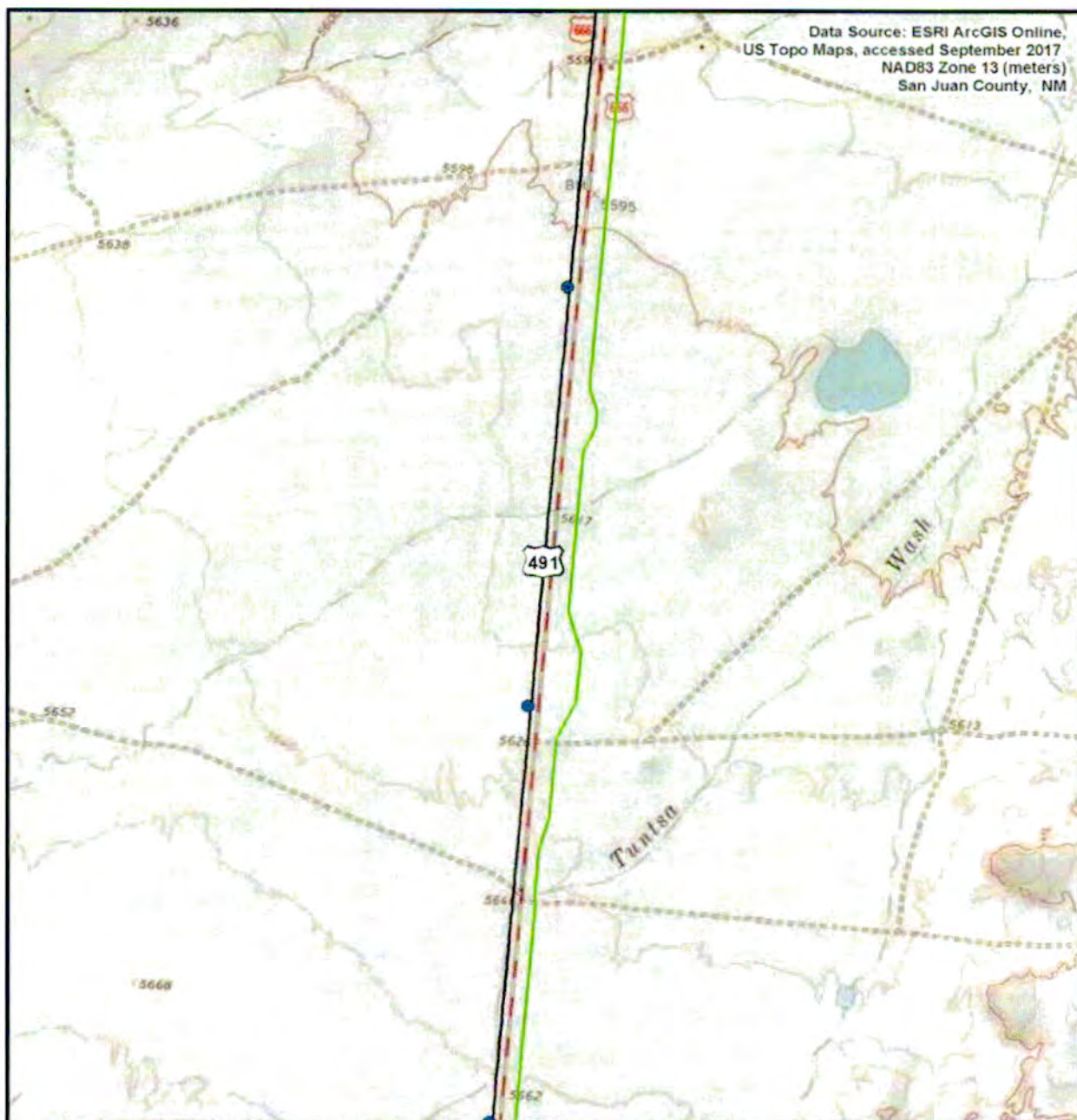
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File: NQWSP_Reach_7_Phase_1
Map Created: 8/23/2017
Map Updated: 9/18/2017



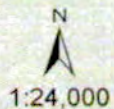
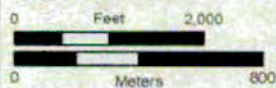
- Point of Interest
- Mile Marker
- City/Town
- Reach 7
- Reach 6
- Roadway



New Mexico



**Reach 7
Project Location
Map 2 of 3**



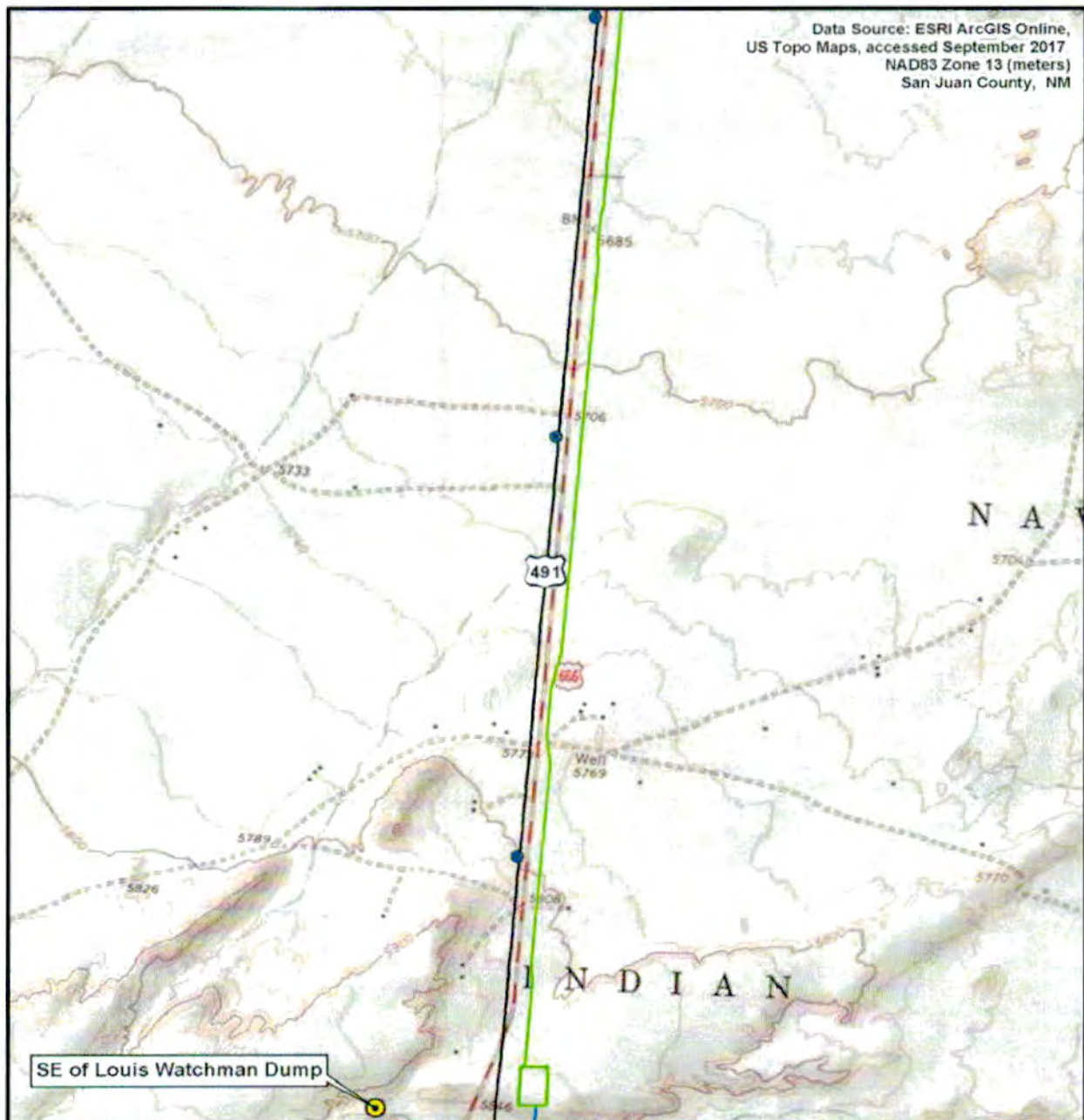
Project No. 26986.10
File: NGWSP_Reach_7_Phase_1
Map Created: 8/23/2017
Map Updated: 9/18/2017



- Mile Marker
- Reach 7
- Roadway



Data Source: ESRI ArcGIS Online,
US Topo Maps, accessed September 2017
NAD83 Zone 13 (meters)
San Juan County, NM



**Reach 7
Project Location
Map 3 of 3**

0 Feet 2,000
0 Meters 800

N
1:24,000

Project No. 26988.10
File: NGWSP_Reach_7_Phase_1
Map Created: 8/23/2017
Map Updated: 9/18/2017



- Point of Interest
- Mile Marker
- Reach 7
- Reach 8
- Roadway



New Mexico

Begin Reach 4C/PP3 Location

Mile Post 71

X

Legend

4C Alignment and ROW

Reach 4C

Area within Construction ROW:

2915370.2060 SF / 66.9 Acres

Length:

21445 LF / 4.1 Miles

Begin:

N36° 29' 18.65209155"

W108° 43' 27.73986246"

End:

N36° 25' 48.73602284"

W108° 43' 12.67381871"

Mile Post 70

X

HWY 491

ISR 5005

Little Water Post Office

Mile Post 68

X

Little Water

ISR 5092

End Reach 4C/Begin Reach 6

ISR 34

X

Mile Post 67



Begin Reach 6/End Reach 4C

ISR 34

Mile Post 67

Mile Post 66

Mile Post 65

Mile Post 64

Bennet Peak

Ford Butte

Mile Post 62

Mile Post 61

Newcomb Gas Station

Mile Post 60

Mile Post 59

Mile Post 58

ISR 5

Legend

6 Alignment and ROW

Reach 6

Area within Construction ROW:

7601438.0260 SF / 174.5 Acres

Length:

52362.3718 LF / 9.9 Miles

Begin:

N36° 25' 48.73602284"
W108° 43' 12.67381871"

End:

N 36° 17' 23.34427958"
W 108° 42' 18.94799721"

End Reach 6/Begin Reach 7

Begin Reach 7/End of Reach 6

ISR 5004

Mile Post 57

Newcomb

Capt Tom Wash

Newcomb Community
and High School

ISR 192

Mile Post 56

Mile Post 55

Mile Post 54

Mile Post 53

Mile Post 52

Mile Post 51

Mile Post 50

ISR 5002

Legend

✱ 7 Alignment and ROW

Reach 7

Area within Construction ROW:

5783201.8029 SF / 132.8 Acres

Length:

41159.2812 LF / 7.8 Miles

Begin:

N 36° 17' 23.34427958"

W 108° 42' 18.94799721"

End:

N 36° 10' 39.25761820"

W 108° 42' 39.43926300"

End of Reach 7/Pumping Plant 4/Begin Reach 8

Begin Reach 8 / Pumping Plant 4

Legend

✱ 8 Alignment and ROW

Reach 8

Area within Construction ROW:

4705514.4389 SF / 108.0 Acres

Length:

41395.5666 LF / 7.8 Miles

Begin:

N 36° 10' 34.41606289"

W 108° 42' 37.47820903"

End:

N 36° 04' 06.46418339"

W 108° 40' 57.85872890"

Sheep Springs

Mile Post 49

Mile Post 48

Mile Post 0
Rte 134

Route 134

Mile Post 47

Mile Post 1
Rte 134

Mile Post 46

Mile Post 45

Mile Post 44

Mile Post 43

ISR 693

Mile Post 42

End Reach 8 / Begin Reach 9

Naschitti



RECLAMATION
Managing Water in the West

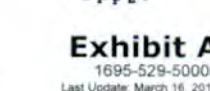
PROJECT LAND STATUS MAP

Red Rock PWS 8



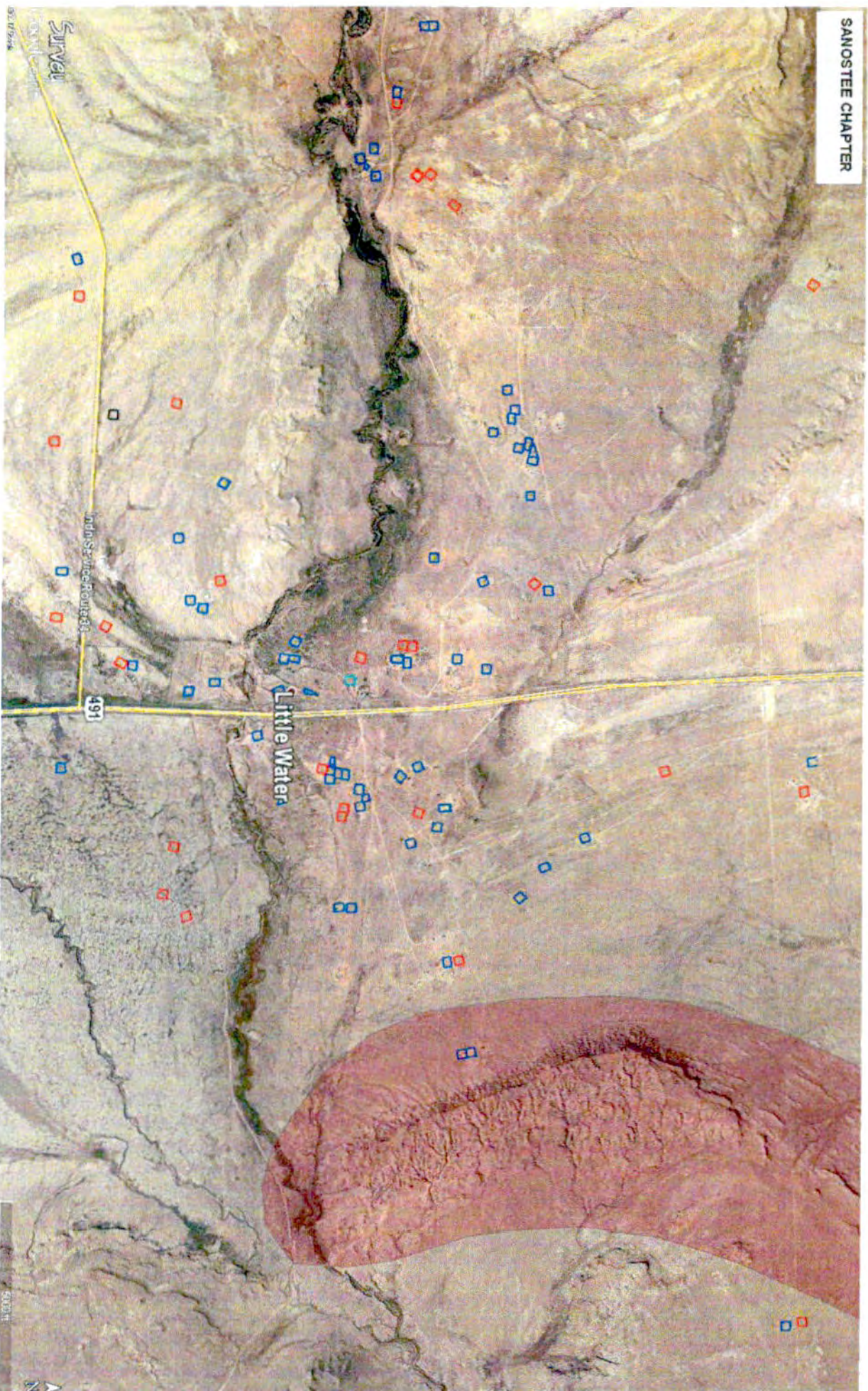
Land Status is derived from data provided by various agencies prior to 2013.

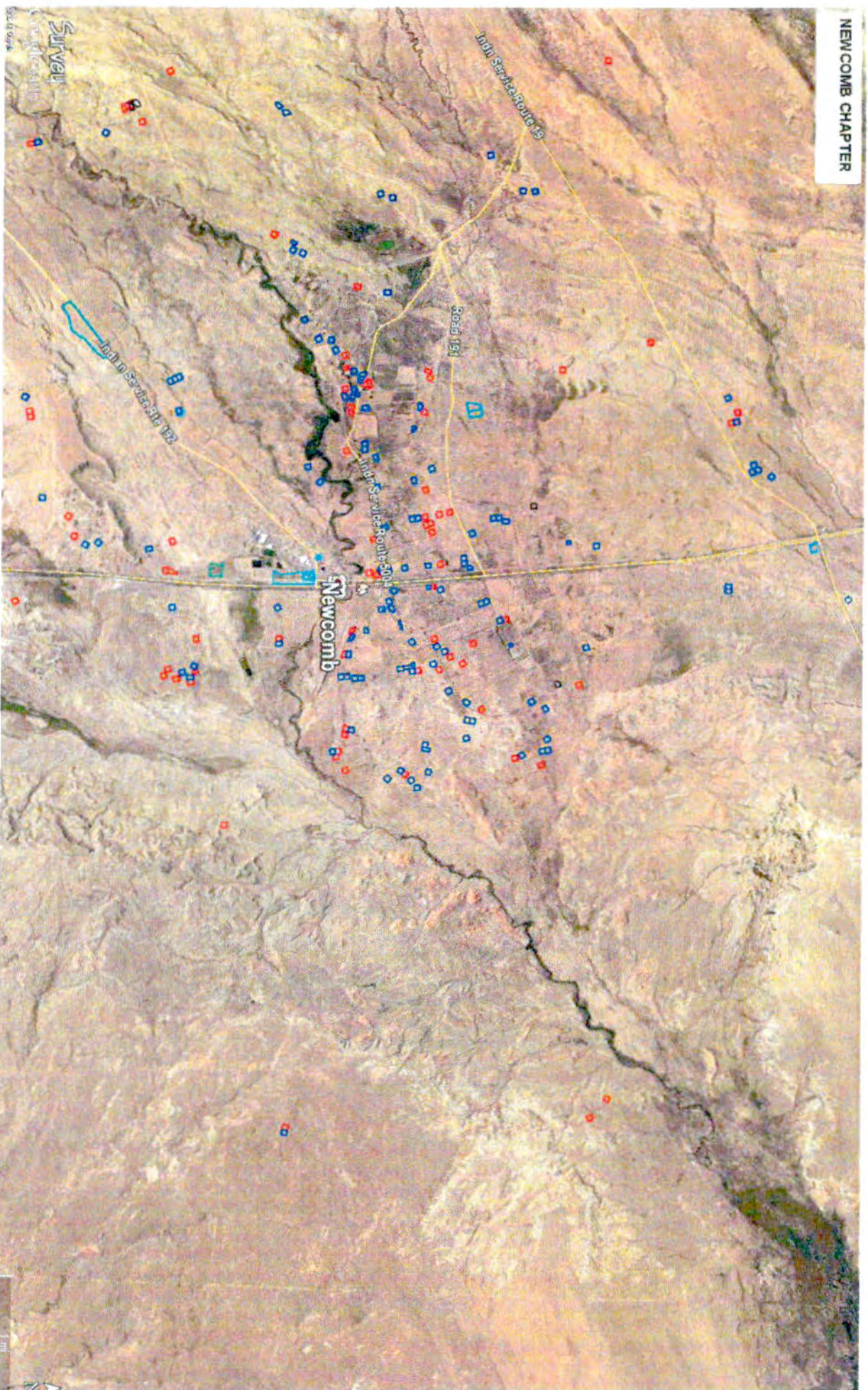
Land Status is derived from data provided by various agencies prior to 2013.

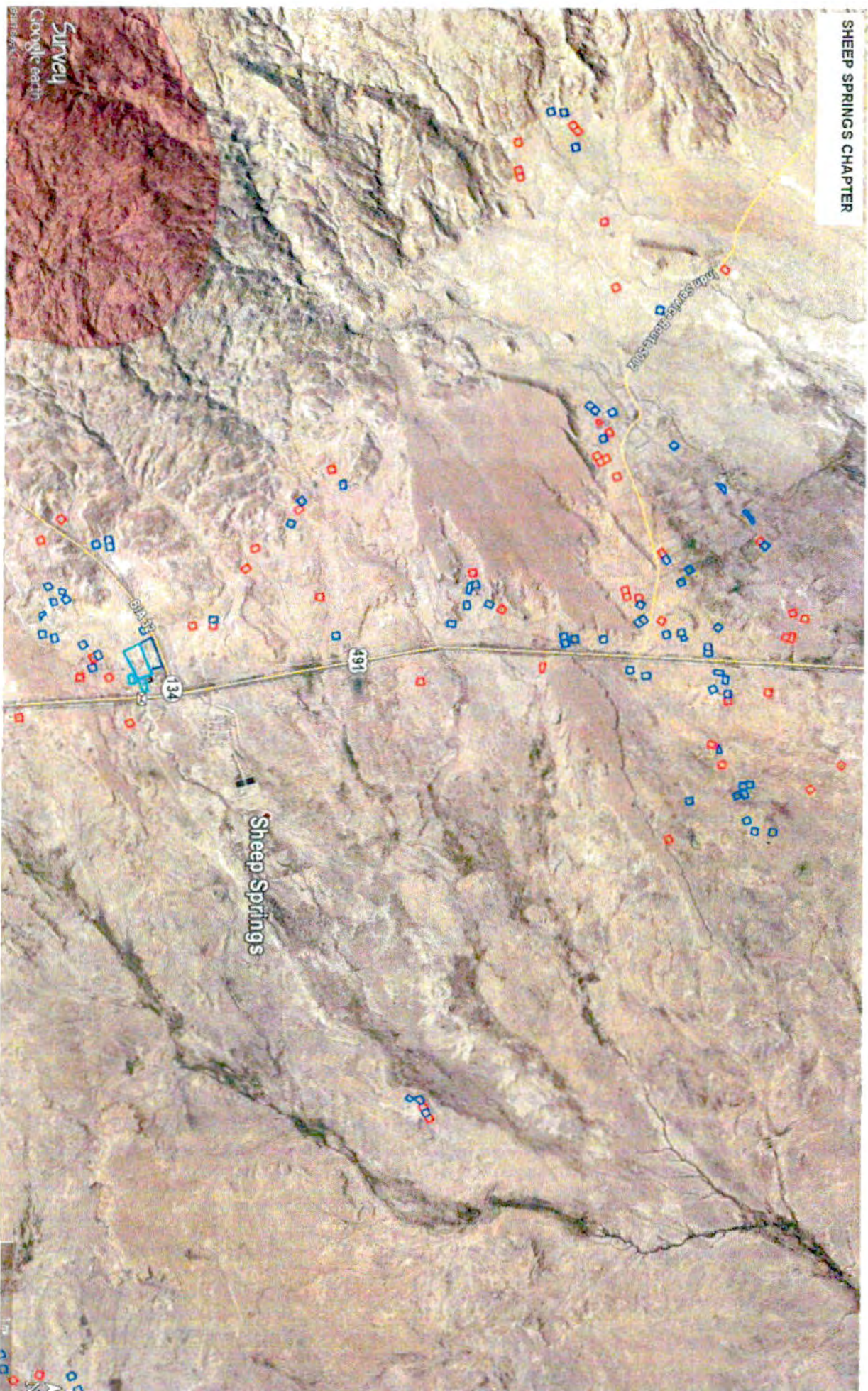


1695-529-50000

Last Update: March 16, 2018





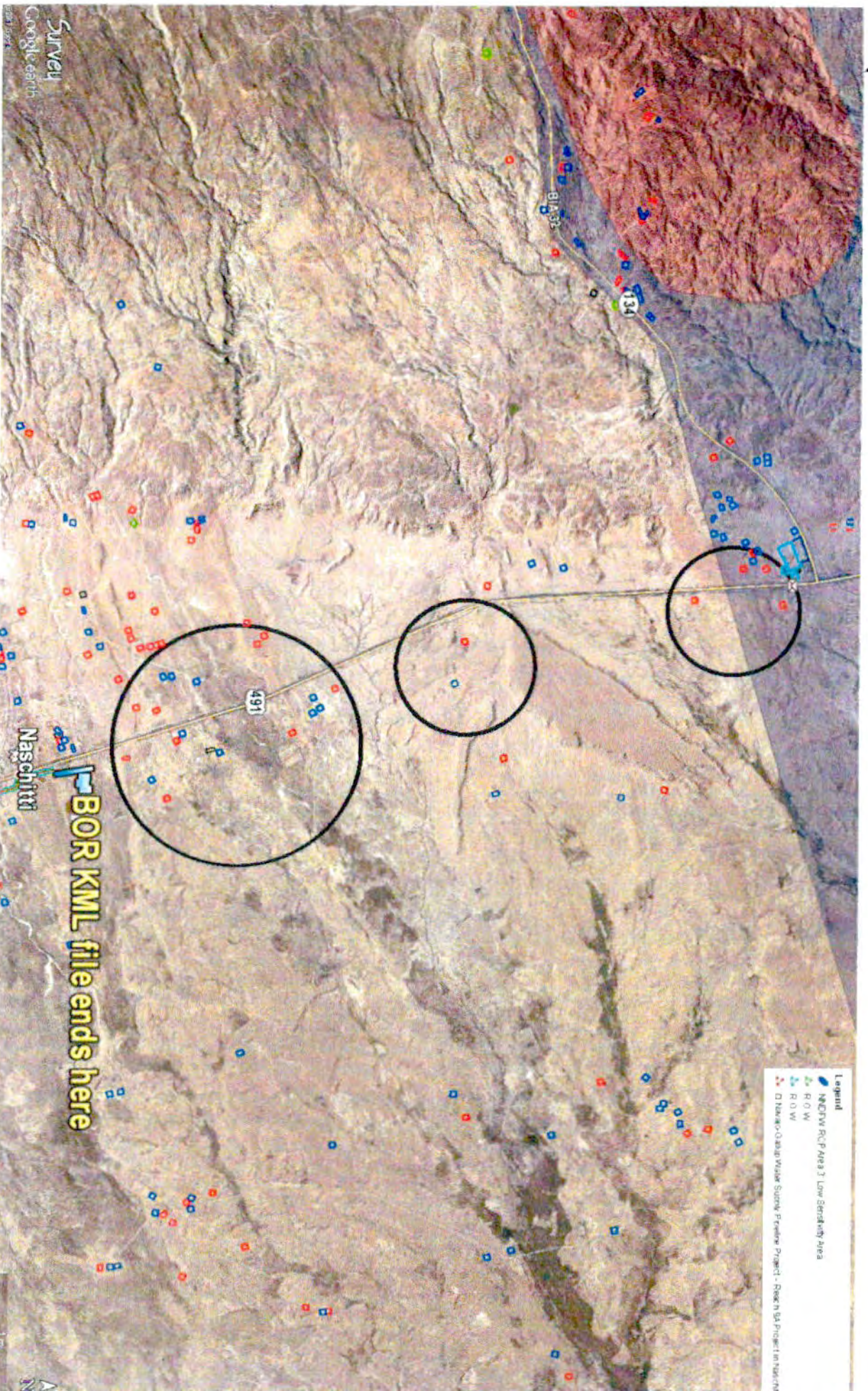


Survey
Google earth

Sheep Springs

491

134





Document No. 010650

Date Issued: 07/10/2018

EXECUTIVE OFFICIAL REVIEW

Title of Document: BOR, ROW & TCE Reach 4C thru 8 NGWSP Contact Name: YAZZIE, ELERINA B

Program/Division: DIVISION OF NATURAL RESOURCES

Email: _____ Phone Number: 928-871-6447

<input type="checkbox"/> Business Site Lease			Sufficient	Insufficient
1. Division:	_____	Date: _____	<input type="checkbox"/>	<input type="checkbox"/>
2. Office of the Controller:	_____	Date: _____	<input type="checkbox"/>	<input type="checkbox"/>
(only if Procurement Clearance is not issued within 30 days of the initiation of the E.O. review)				
3. Office of the Attorney General:	_____	Date: _____	<input type="checkbox"/>	<input type="checkbox"/>

<input type="checkbox"/> Business and Industrial Development Financing, Veteran Loans, (i.e. Loan, Loan Guarantee and Investment) or Delegation of Approving and/or Management Authority of Leasing transactions				
1. Division:	_____	Date: _____	<input type="checkbox"/>	<input type="checkbox"/>
2. Office of the Attorney General:	_____	Date: _____	<input type="checkbox"/>	<input type="checkbox"/>

<input type="checkbox"/> Fund Management Plan, Expenditure Plans, Carry Over Requests, Budget Modifications				
1. Office of Management and Budget:	_____	Date: _____	<input type="checkbox"/>	<input type="checkbox"/>
2. Office of the Controller:	_____	Date: _____	<input type="checkbox"/>	<input type="checkbox"/>
3. Office of the Attorney General:	_____	Date: _____	<input type="checkbox"/>	<input type="checkbox"/>

<input type="checkbox"/> Navajo Housing Authority Request for Release of Funds				
1. NNEPA:	_____	Date: _____	<input type="checkbox"/>	<input type="checkbox"/>
2. Office of the Attorney General:	_____	Date: _____	<input type="checkbox"/>	<input type="checkbox"/>

<input type="checkbox"/> Lease Purchase Agreements				
1. Office of the Controller:	_____	Date: _____	<input type="checkbox"/>	<input type="checkbox"/>
(recommendation only)				
2. Office of the Attorney General:	_____	Date: _____	<input type="checkbox"/>	<input type="checkbox"/>

<input type="checkbox"/> Grant Applications				
1. Office of Management and Budget:	_____	Date: _____	<input type="checkbox"/>	<input type="checkbox"/>
2. Office of the Controller:	_____	Date: _____	<input type="checkbox"/>	<input type="checkbox"/>
3. Office of the Attorney General:	_____	Date: _____	<input type="checkbox"/>	<input type="checkbox"/>

☐ **Five Management Plan of the Local Governance Act, Delegation of an Approving Authority from a Standing Committee, Local Ordinances (Local Government Units), or Plans of Operation/Division Policies Requiring Committee Approval**

1. Division:	_____	Date: _____	<input type="checkbox"/>	<input type="checkbox"/>
2. Office of the Attorney General:	_____	Date: _____	<input type="checkbox"/>	<input type="checkbox"/>

<input type="checkbox"/> Relinquishment of Navajo Membership				
1. Land Department:	_____	Date: _____	<input type="checkbox"/>	<input type="checkbox"/>
2. Elections:	_____	Date: _____	<input type="checkbox"/>	<input type="checkbox"/>
3. Office of the Attorney General:	_____	Date: _____	<input type="checkbox"/>	<input type="checkbox"/>



☐ Land Withdrawal or Relinquishment for Commercial Purposes

Sufficient Insufficient

1. Division: _____ Date: _____ ☐ ☐
2. Office of the Attorney General: _____ Date: _____ ☐ ☐

☐ Land Withdrawals for Non-Commercial Purposes, General Land Leases and Resource Leases

1. NLD _____ Date: _____ ☐ ☐
2. F&W _____ Date: _____ ☐ ☐
3. HPD _____ Date: _____ ☐ ☐
4. Minerals _____ Date: _____ ☐ ☐
5. NNEPA _____ Date: _____ ☐ ☐
6. DNR _____ Date: _____ ☐ ☐
7. DOJ _____ Date: _____ ☐ ☐

☐ Rights of Way

1. NLD _____ Date: _____ ☐ ☐
2. F&W _____ Date: _____ ☐ ☐
3. HPD _____ Date: _____ ☐ ☐
4. Minerals _____ Date: _____ ☐ ☐
5. NNEPA _____ Date: _____ ☐ ☐
6. Office of the Attorney General: _____ Date: _____ ☐ ☐
7. OPVP _____ Date: _____ ☐ ☐

☐ Oil and Gas Prospecting Permits, Drilling and Exploration Permits, Mining Permit, Mining Lease

1. Minerals _____ Date: _____ ☐ ☐
2. OPVP _____ Date: _____ ☐ ☐
3. NLD _____ Date: _____ ☐ ☐

☐ Assignment of Mineral Lease

1. Minerals _____ Date: _____ ☐ ☐
2. DNR _____ Date: _____ ☐ ☐
3. DOJ _____ Date: _____ ☐ ☐

☒ ROW (where there has been no delegation of authority to the Navajo Land Department to grant the Nation's consent to a ROW)

1. NLD _____ Date: _____ ☐ ☐
2. F&W _____ Date: _____ ☐ ☐
3. HPD _____ Date: _____ ☐ ☐
4. Minerals _____ Date: _____ ☐ ☐
5. NNEPA _____ Date: _____ ☐ ☐
6. DNR _____ Date: _____ ☐ ☐
7. DOJ (ic) _____ Date: 11/20/18 ☒ ☐
8. ~~OPVP~~ ~~DOJ~~ _____ Date: 2-1-19 ☒ ☐
8. OPVP _____ Date: 2-5-19 ☒ ☐

☐ OTHER:

1. _____ Date: _____ ☐ ☐
2. _____ Date: _____ ☐ ☐
3. _____ Date: _____ ☐ ☐
4. _____ Date: _____ ☐ ☐
5. _____ Date: _____ ☐ ☐



NAVAJO NATION DEPARTMENT OF JUSTICE

DOCUMENT REVIEW REQUEST FORM



DOJ
01/25/19 9:30am
DATE / TIME
<input type="checkbox"/> 7 Day Deadline
DOC #: 010650 #2
SAS #:
UNIT: NRU

RESUBMITTAL
10/29/18

*** FOR NNDJ USE ONLY - DO NOT CHANGE OR REVISE FORM. VARIATIONS OF THIS FORM WILL NOT BE ACCEPTED. ***

CLIENT TO COMPLETE

DATE OF REQUEST: 1/25/19 ENTITY/DIVISION: DNR
CONTACT NAME: GLDD Michelle Hoskie DEPARTMENT: GLDD
PHONE NUMBER: 928-871-6447/6423 E-MAIL: hmartinez@navajod.gov
TITLE OF DOCUMENT: Bureau of Reclamation ROW Reach 6C-8

DOJ SECRETARY TO COMPLETE

DATE/TIME IN UNIT: 1-25-19 10:15am REVIEWING ATTORNEY/ADVOCATE: Devin Chee 2-5-19
DATE/TIME OUT OF UNIT: 1-28-19 1015am

DOJ ATTORNEY / ADVOCATE COMMENTS

- Doc. was returned to GLDD to attach Consent Forms. Doc. is now legally sufficient after the Consent Forms were attached.


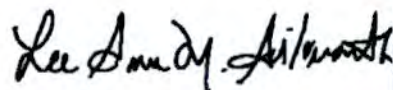

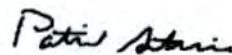
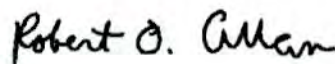
REVIEWED BY: (PRINT)	DATE / TIME	SURNAMED BY: (PRINT)	DATE / TIME
Trina Aase	1/25/19	Blanket	1/25/19 4:35pm
DOJ Secretary Called: Howard Draper for Document Pick Up on 1-28-19 at 930 By: B			
PICKED UP BY: (PRINT)		DATE / TIME:	

NNDJ/DRRF-July 2013

See memo.

COMPLETED

Tier 1 Document Voting Results

User Name (Facility)	Job Title	Department	Vote Cast	Comments	Replies	Vote Date	Signature
Eugenia Quintana EPA (Navajo Land Title Data System - Windowrock AZ)	Air and Toxics - Reviewer	Navajo Nation Environmental Protection Agency	Approved	1. Sufficient documentation.	1. No Reply	25-Oct-2018	
Lee Anna Martinez EPA (Navajo Land Title Data System - Windowrock AZ)	Water Quality - Reviewer	Navajo Nation Environmental Protection Agency	Approved	1. Conditional Approval granted and contingent on compliance with 401 Cert and 404 permit. Contact Patrick Antonio at (928)871-7185.	1. No Reply	17-Aug-2018	
Najamh Tariq (Navajo Land Title Data System - Windowrock AZ)	Approver	Department of Water Resources	Approved	no comments	No Reply	15-Aug-2018	
Pam Kyselka F&W (Navajo Land Title Data System - Windowrock AZ)	Technical Review	Fish and Wildlife	Approved	1 F&W Approver: BRCF #EOR010650 with memo is at ftp://www.nndfw.org/kyselk a. Please provide signature approval and upload to the NLTDS.	1 No Reply	04-Sep-2018	
Patrick Antonio EPA (Navajo Land Title Data System - Windowrock AZ)	Water Quality - Supervisor	Navajo Nation Environmental Protection Agency	Approved	1. Surface disturbances greater than 1.0 acre require coverage under the federal Construction General Permit for storm water discharges from construction sites. The overall project EA (page V-41) states "A CWA NPDES storm water permit would also be obtained."	1. No Reply	15-Aug-2018	
Robert Allan DNR (Navajo Land Title Data System - Windowrock AZ)	Deputy Director DNR	DNR Administration	Approved	no comments	No Reply	24-Sep-2018	



Tamara Billie NNHP (Navajo Land Title Data System - Windowrock AZ)	HPD Reviewer	Historic Preservation Department	Approve d	no comments	No Reply	27-Aug- 2018
Warren Roan - EPA (Navajo Land Title Data System - Windowrock AZ)	Storage Tanks Program - Reviewer	Navajo Nation Environmental Protection Agency	Approve d	1. No concerns regarding storage tanks and/or leaking storage tanks.	1. No Reply	20-Aug- 2018
Yolanda Barney EPA (Navajo Land Title Data System - Windowrock AZ)	Public Water System Supervision Program	Navajo Nation Environmental Protection Agency	Approve d	1. Please see attached memorandum approving the project.	1. No Reply	23-Aug- 2018

Tamara Billie

Warren Roan

Yolanda Barney

Tier 2 Document Voting Results

User Name (Facility)	Job Title	Department	Vote Cast	Comments	Replies	Vote Date	Signature
Bidtah N. Becker (FBFA)	FBFA Users	FBFA Action Team	Approved	no comments	No Reply	29-Oct-2018	
Richard Begay NNHP (Navajo Land Historic Title Data System - Windowrock AZ)	Navajo Nation Preservation Officer	Historic Preservation Department	Approved	no comments	No Reply	28-Oct-2018	
Ronnie Ben EPA (Navajo Land Control - Title Data System - Windowrock AZ)	Underground Injection Control - Reviewer	Navajo Nation Environmental Protection Agency	Approved	1. Conditional Approval contingent on compliance with All USEPA and NNEPA environmental laws.	1. No Reply	25-Oct-2018	
Sam Diswood (Navajo Land Review Title Data System - Windowrock AZ)	Technical Review	Fish and Wildlife	Approved	no comments	No Reply	26-Oct-2018	
Steven Prince MIN (Navajo Land Title Data System - Windowrock AZ)	Technical Reviewer	Navajo Nation Minerals Management	Approved	1. Please permanently attach the uploaded Terms and Conditions document to the approval package. The ROW consideration is for 20 years and the TCE consideration is for 4 years. slp	1. No Reply	29-Oct-2018	
W. Mike Halona (NLTDS - Everytt)	DCD Division Director	Navajo Nation	Approved	no comments	No Reply	26-Oct-2018	



THE NAVAJO NATION
ENVIRONMENTAL PROTECTION AGENCY

Public Water Systems Supervision Program
Post Office Box 339, Window Rock, AZ 86515
Telephone (928) 871-7755
Fax (928) 871-7818
www.navajopublicwater.org



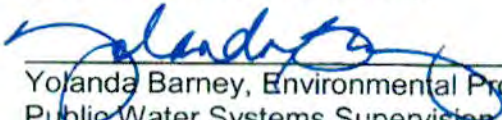
Russell Begaye
President

Jonathan Nez
Vice President

August 23, 2018

MEMORANDUM

TO: Navajo Land Title Data Systems
Land Department
Division of Natural Resources

FROM: 
Yolanda Barney, Environmental Program Manager
Public Water Systems Supervision and Domestic Wastewater Program
Surface and Ground Water Protection Department
Navajo Nation Environmental Protection Agency

SUBJECT: DOCUMENT No. 10650

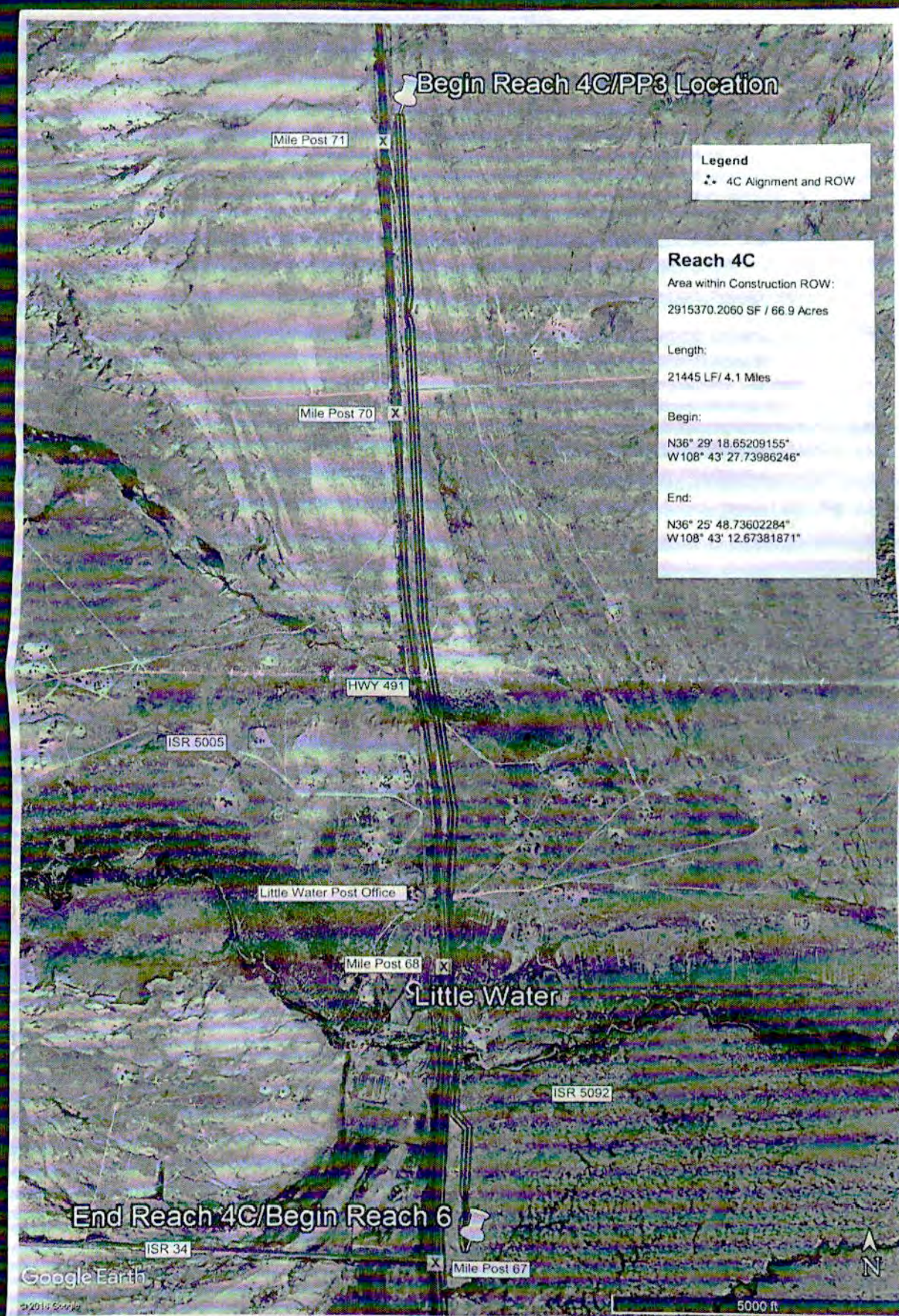
The Navajo Nation Environmental Protection Agency's Public Water Systems Supervision Program ("PWSSP") reviewed Document No. 10650: Application for Consent to a Grant of Right-of-Way (ROW) and Temporary Construction Easement (TCE)-Tribal Trust Land-Reaches 4C through 8 – San Juan Lateral – Navajo Gallup Water Supply Project, San Juan County, New Mexico. This project will provide water to the communities of Sanostee, Two Grey Hills, Newcomb, Sheep Springs, and Naschitti chapters. PWSSP recommends approval of this project.

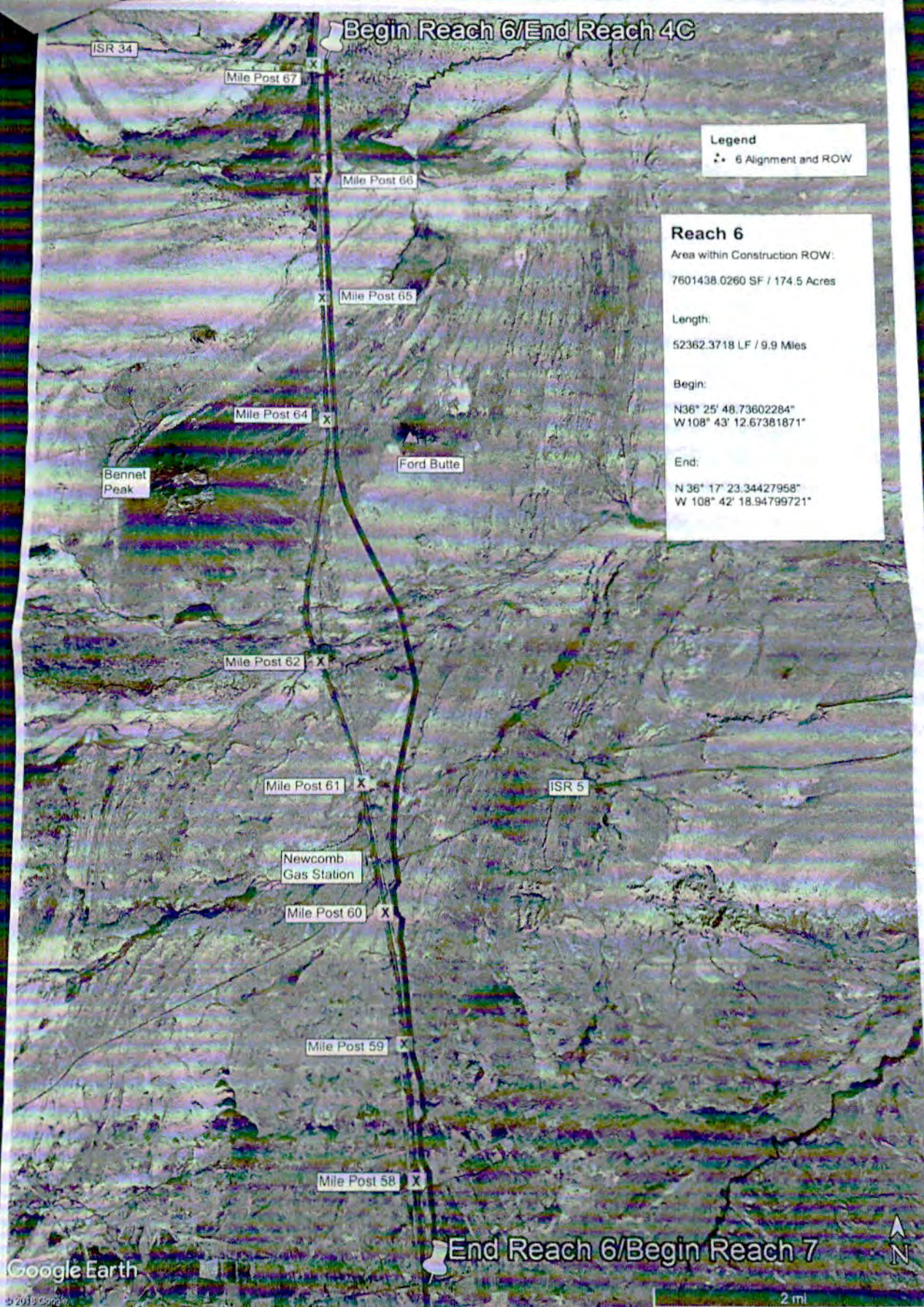
All proposed drinking water projects will need to be permitted by the PWSSP-NNEPA. All proposed drinking water projects (extensions, upgrades, new wells, new public water systems, etc.) must also comply with the design review and construction permit requirements of the PWSSP pursuant to §§1501 and 1601 of the Navajo Nation Primary Drinking Water Regulations.

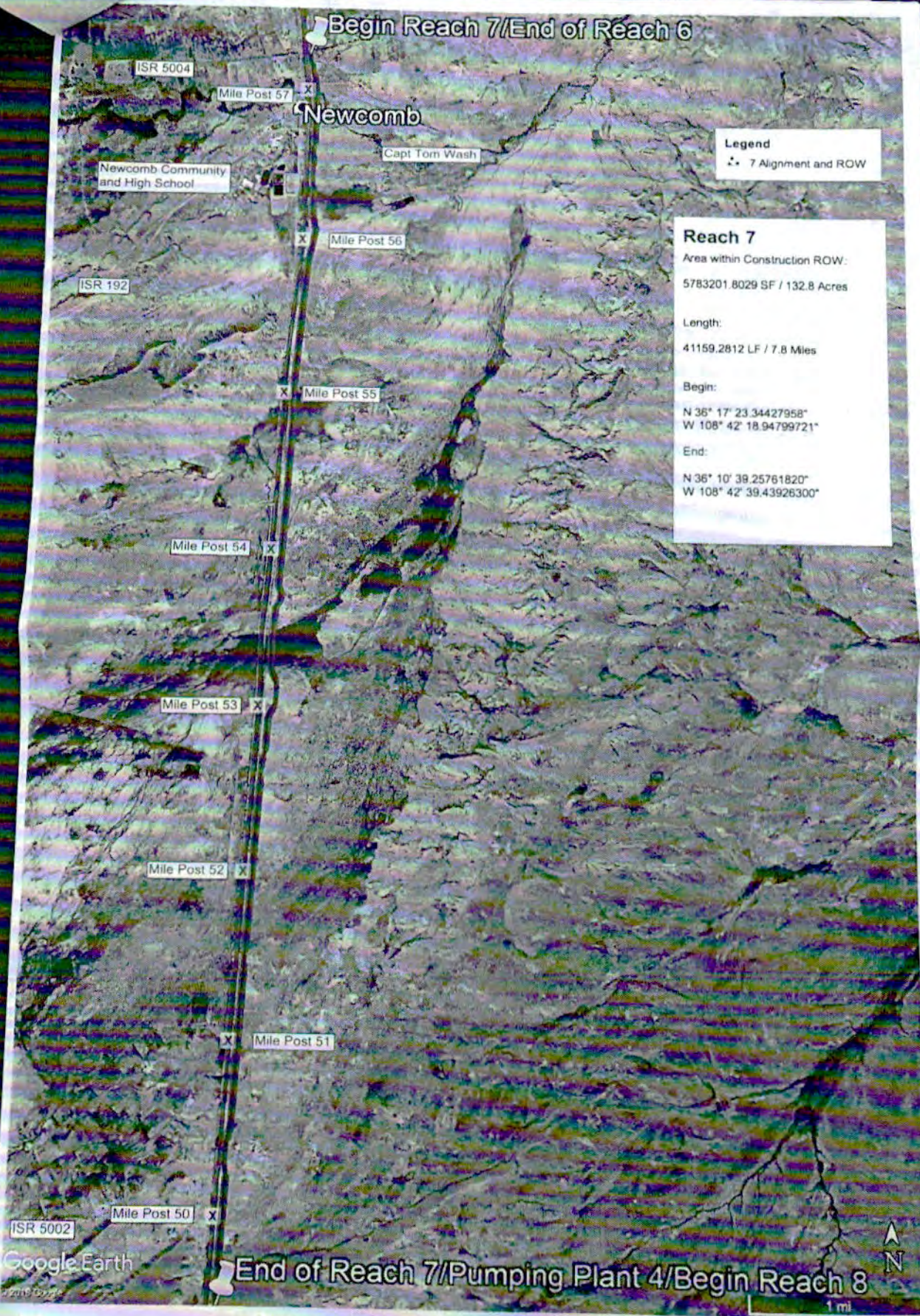
All proposed wastewater projects will need to be permitted by the Domestic Wastewater Program-NNEPA. Extensions, upgrades, new sewer infrastructure, septic tanks, and other wastewater infrastructure must comply with the design review and construction permit requirements pursuant to §201 of the Domestic Wastewater Program.

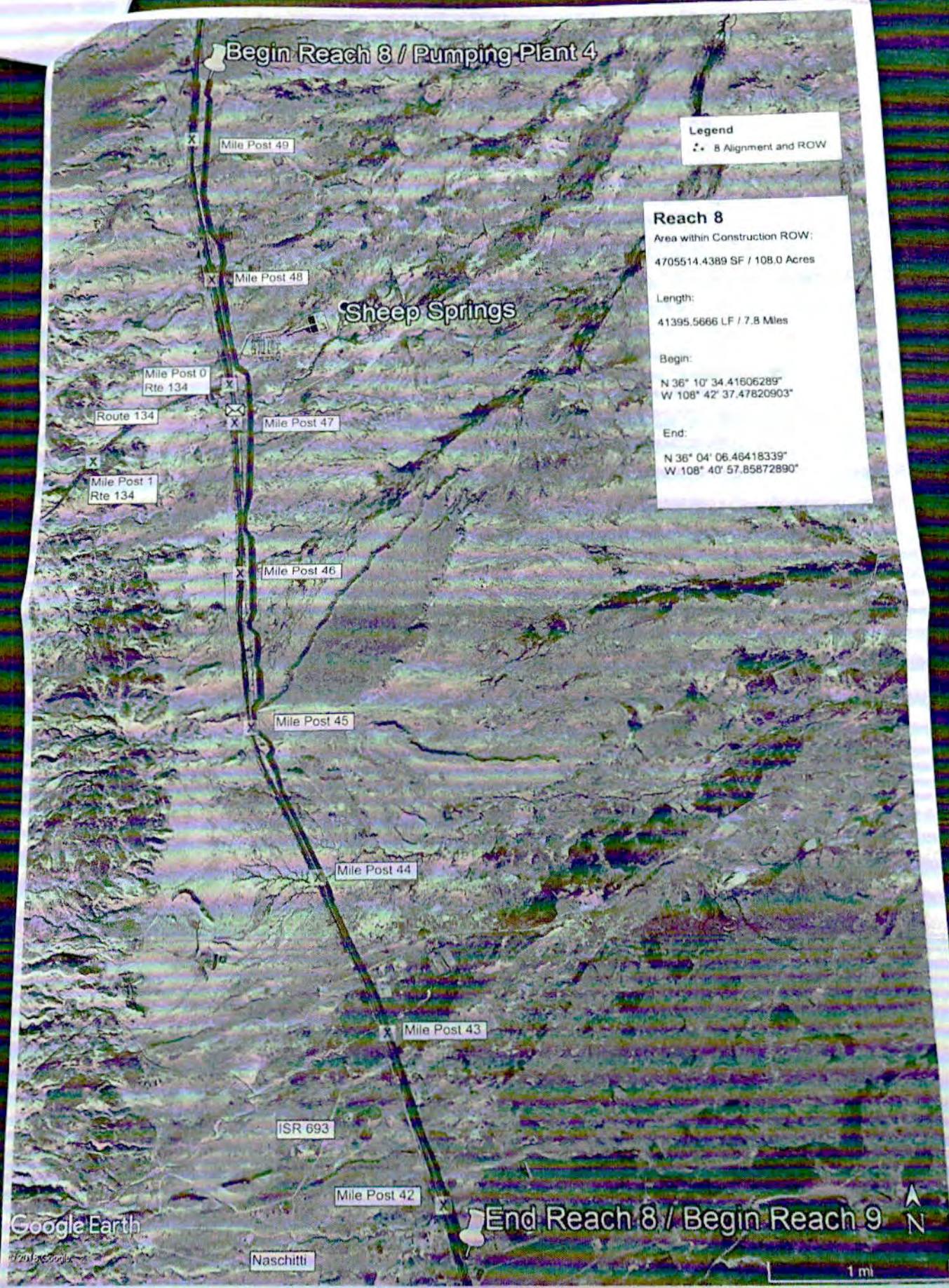
If there are any questions, please contact me at 871-7755.

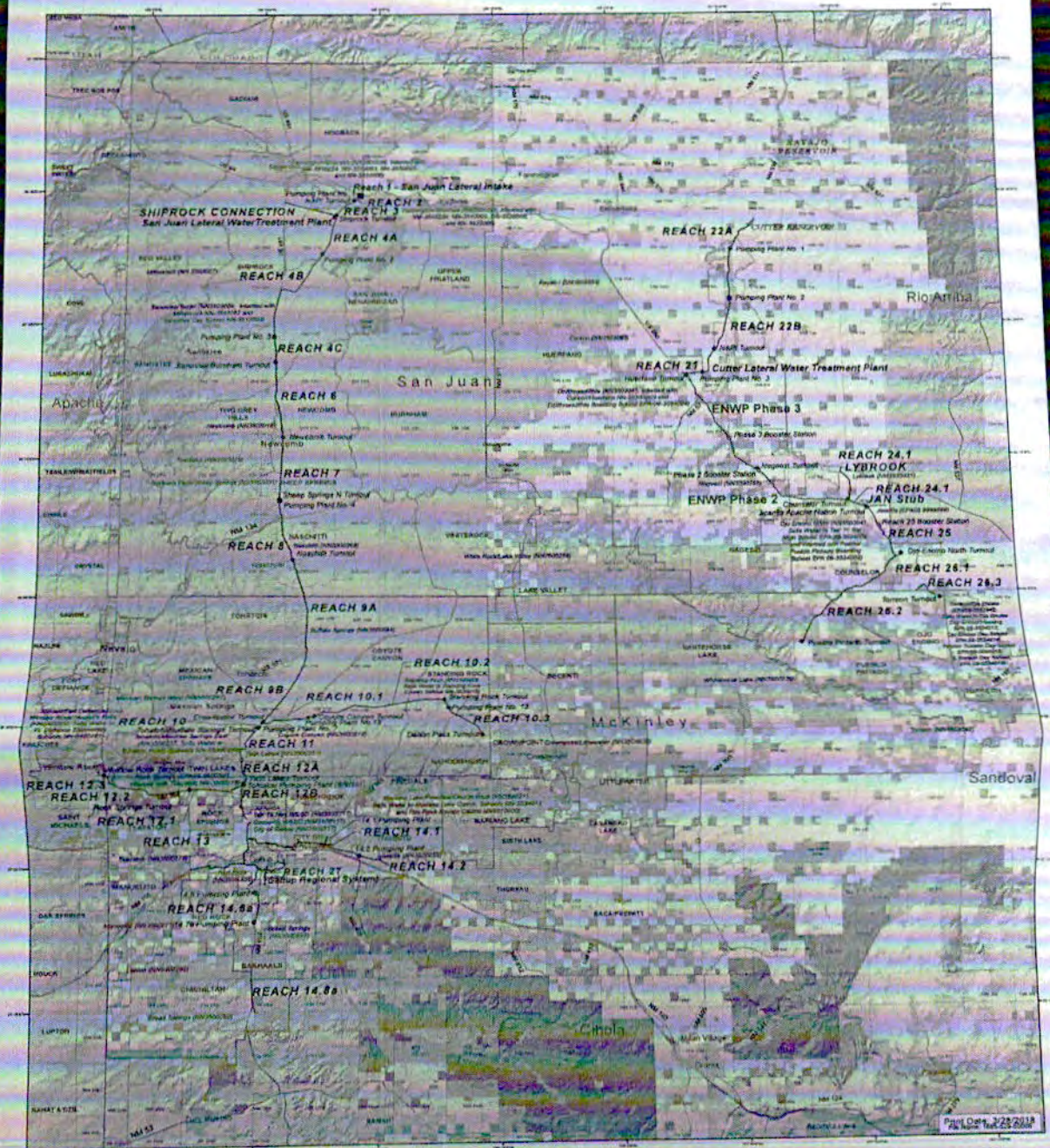
xc: Ronnie Ben, Environmental Department Manager, Surface/Ground Water Protection Dept., NNEPA
PWSID#NN3503059
PWSID#NN3503016
PWSID#NN3503031
PWSID#NN3500268
DWWP#NN35120031
DWWP#NN35120032
DWWP#NN35120033
DWWP#NN35140010











Navajo Gallup Water Supply Project RECLAMATION Managing Water in the West PROJECT LAND STATUS MAP

LEGEND

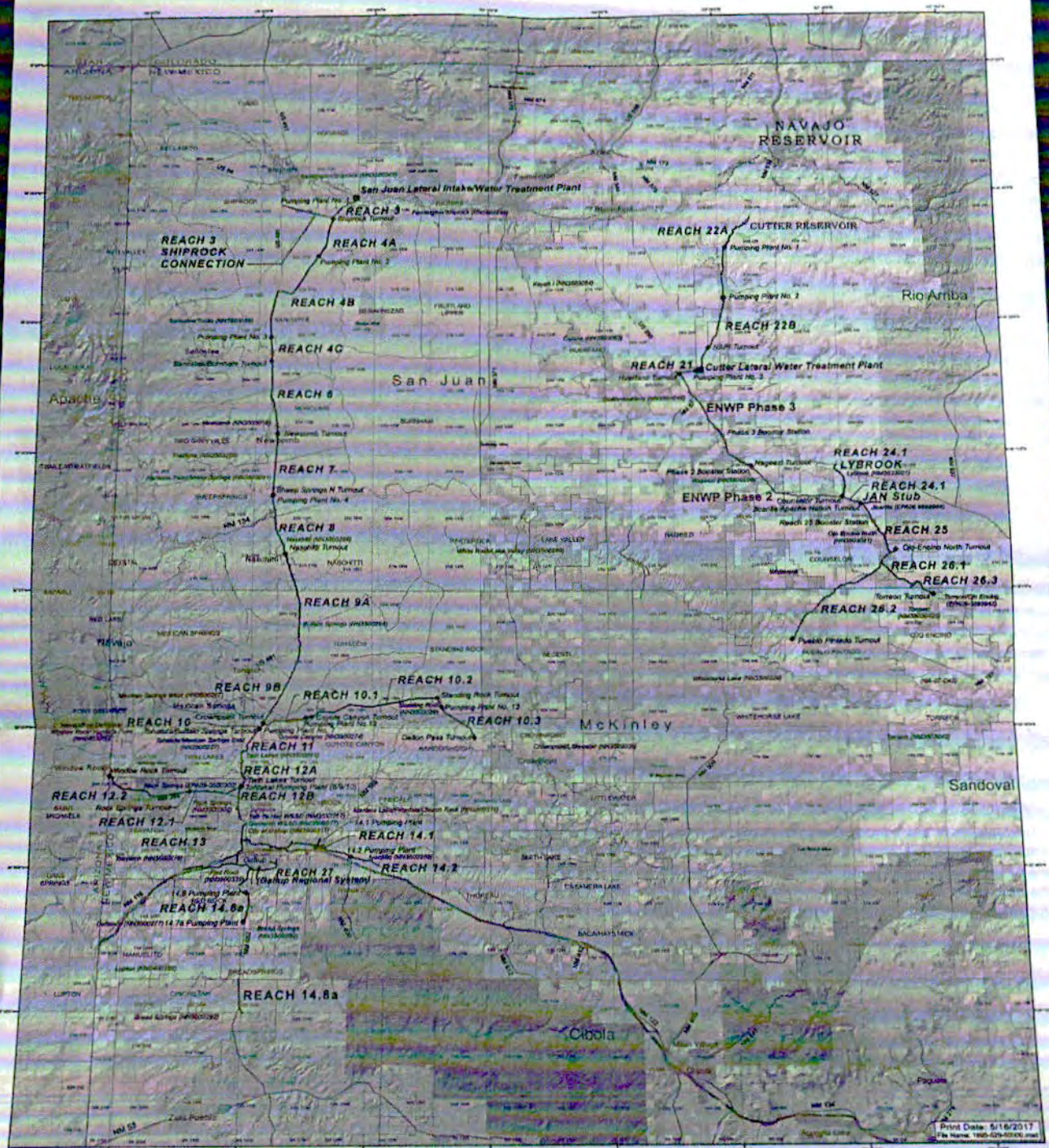
- | | |
|--|----------------------------------|
| San Juan Lateral | Navajo Allotment |
| Cutter Lateral | Navajo Fee |
| Gallup Regional System | Navajo Tribal Trust |
| Eastern Navajo Water Pipeline (ENWP) Phase 2 | Bureau of Land Management |
| Eastern Navajo Water Pipeline (ENWP) Phase 3 | Private |
| Water Treatment Plant | State |
| Pumping Plant | National Park NPS |
| Turnout | National Conservation Area (NCA) |
| Navajo Nation Service Chapters | U.S. Forest Service |
| Navajo Tribal Land Authority Distribution System | San Juan Apache Reservation |
| Red Book PWS ID | |

Note: Pumping Plant numbers reflect FEIS designations. Some pumping plants in original FEIS design have been confirmed and/or eliminated as a result of additional analysis and optimization studies.

Disclaimer: For illustrative purposes only. Not for construction purposes. Alignment may be refined as design and field reviews are completed. Land Status is derived from data provided by various agencies prior to 2013.



Exhibit A
1695-529-50000
Last Update: March 16, 2018



LEGEND

- | | |
|---|--------------------------------|
| San Juan Lateral | Navajo Allotment |
| Cutter Lateral | Navajo Fee in Trust |
| Gallup Regional System | Navajo Trust |
| Eastern Navajo Water Pipeline (ENWP) Phase 2 | Ute Mountain Ute Trust |
| Eastern Navajo Water Pipeline (ENWP) Phase 3 | National Conservation Area BLM |
| Water Treatment Plant | National Monument NPS |
| Pumping Plant | National Park NPS |
| Turnout | Bureau of Land Management |
| Navajo Tribal Utility Authority Distribution System | U.S. Forest Service |
| Red Rock: Part 10 | |
| Navajo Nation Served Chapters | |
| Navajo Nation Non-Served Chapters | |
| Scariff Apache Reservation | |

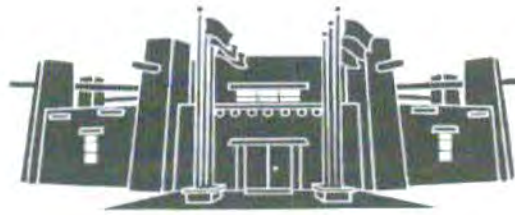


Note: Pumping Plant numbers reflect FEIS designations. Some pumping plants in original FEIS design have been combined and/or eliminated as a result of additional analyses and optimization studies.

Disclaimer: Not for construction purposes. Alignment may be refined as design and field reviews are completed.



1695-529-50000
Last Update: May 16, 2017



MEMORANDUM

TO: Honorable Amber Crotty
Sheep Springs, Toadlena/Two Grey Hills, Tsé Alnáozt'i'i, Red Valley, Cove,
Beclabito, Gadii'áhi/Tokoi Chapters

FROM: Mariana Kahn
Mariana Kahn, Attorney
Office of Legislative Counsel

DATE: April 5, 2019

SUBJECT: PROPOSED STANDING COMMITTEE RESOLUTION; AN ACTION
RELATING TO RESOURCES AND DEVELOPMENT; APPROVING A
RIGHT-OF-WAY AND TEMPORARY CONSTRUCTION EASEMENT TO
U.S. BUREAU OF RECLAMATION TO CONSTRUCT, OPERATE AND
MAINTAIN REACHES 4C - 8 NAVAJO GALLUP WATER SUPPLY
PROJECT LOCATED ON TRIBAL TRUST LANDS IN SANOSTEE, TWO
GREY HILLS, NEWCOMB, SHEEP SPRINGS AND NASCHITTI
CHAPTERS, SAN JUAN COUNTY, NEW MEXICO

As requested, I have prepared the above-referenced proposed resolution and associated legislative summary sheet pursuant to your request for legislative drafting. Based on existing law and review of documents submitted, the resolution as drafted is legally sufficient. As with any action of government however, it can be subject to review by the courts in the event of proper challenge. Please ensure that this particular resolution request is precisely what you want. You are encouraged to review the proposed resolution to ensure that it is drafted to your satisfaction.

The Office of Legislative Counsel confirms the appropriate standing committee(s) based on the standing committees powers outlined in 2 N.N.C. §§301, 401, 501, 601 and 701. Nevertheless, "the Speaker of the Navajo Nation Council shall introduce [the proposed resolution] into the legislative process by assigning it to the respective oversight committee(s) of the Navajo Nation Council having authority over the matters for proper consideration." 2 N.N.C. §164(A)(5).

If the proposed resolution is unacceptable to you, please contact me at the Office of Legislative Counsel and advise me of the changes you would like made to the proposed resolution.

THE NAVAJO NATION
LEGISLATIVE BRANCH
INTERNET PUBLIC REVIEW PUBLICATION



LEGISLATION NO: _0085-19_

SPONSOR: Amber Kanazbah Crotty

TITLE: An Action Relating To Resources And Development; Approving A Right-Of-Way And Temporary Construction Easement To U.S Bureau Of Reclamation To Construct, Operate And Maintain Reaches 4C – 8 Navajo Gallup Water Supply Project Located On Tribal Trust Land In Sanostee, Two Grey Hills, Newcomb, Sheep Springs And Naschitti Chapters, San Juan County, New Mexico

Date posted: April 11, 2019 at 9:39 AM

Digital comments may be e-mailed to comments@navajo-nsn.gov

Written comments may be mailed to:

Executive Director
Office of Legislative Services
P.O. Box 3390
Window Rock, AZ 86515
(928) 871-7586

Comments may be made in the form of chapter resolutions, letters, position papers, etc. Please include your name, position title, address for written comments; a valid e-mail address is required. Anonymous comments will not be included in the Legislation packet.

Please note: This digital copy is being provided for the benefit of the Navajo Nation chapters and public use. Any political use is prohibited. All written comments received become the property of the Navajo Nation and will be forwarded to the assigned Navajo Nation Council standing committee(s) and/or the Navajo Nation Council for review. Any tampering with public records are punishable by Navajo Nation law pursuant to 17 N.N.C. §374 *et. seq.*