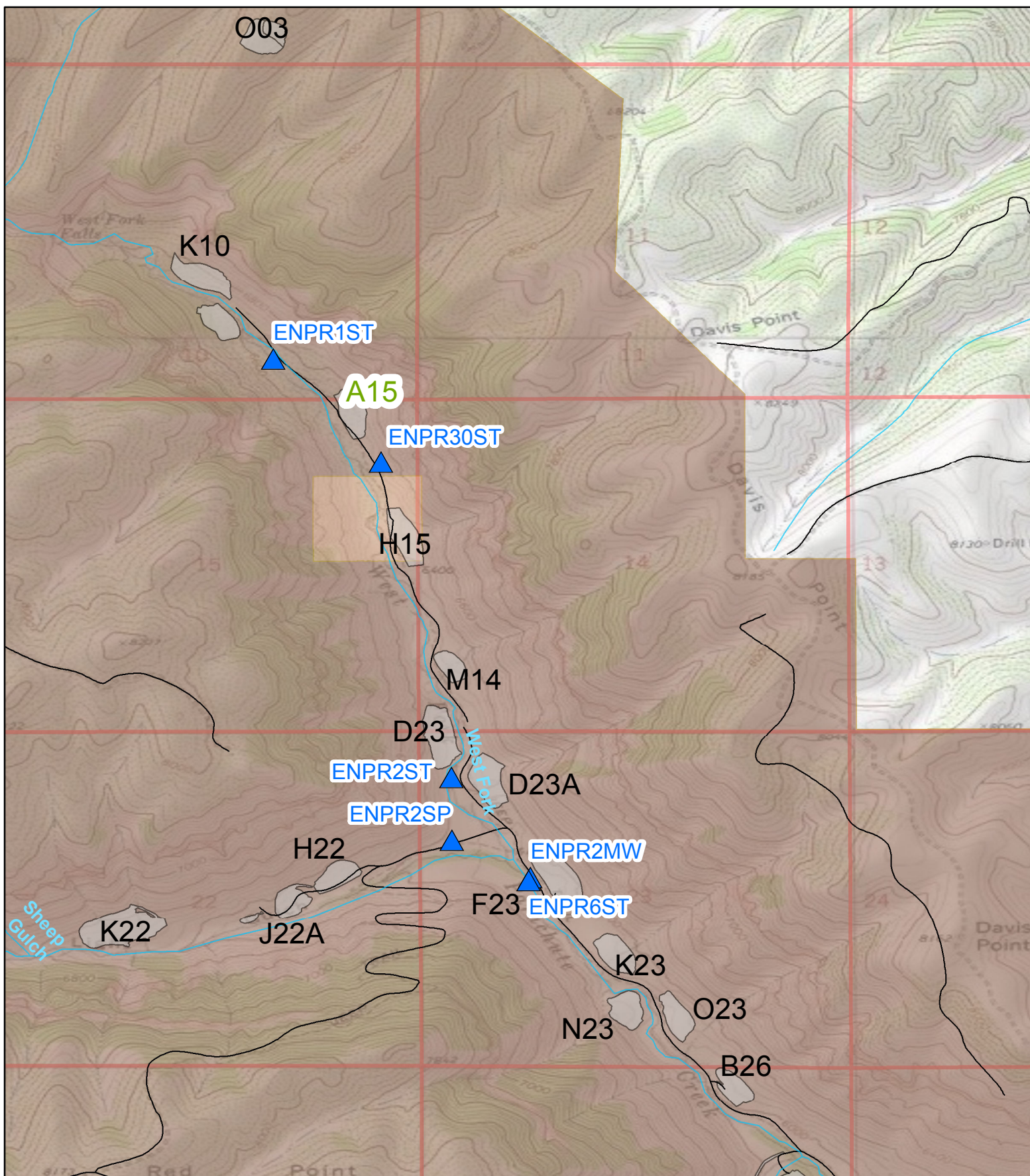


# Appendix 14: A15 Pit – Water Quality Data Set

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A15 E&P Waste Management Facility  
Water Sampling

**Legend**

- ▲ Water Sampling Locations
- Streams
- Access Roads
- Surface Disturbances
- Parcel Boundaries
- Bureau of Land Management
- Encana Oil & Gas (USA), Inc.

0 0.25 0.5  
Miles



Analysis Data from 3rd Quarter 2013 - 2nd Quarter 2014

Analysis Name	Alkalinity (mg/l)	Alkalinity, Bicarbonate (mg/l)	Alkalinity, Carbonate (mg/l)	Ammonia (mg/l)	Arsenic, Dissolved (mg/l)	Barium, Dissolved (mg/l)	Benzene (mg/l)	Bromide (mg/l)	Cadmium, Dissolved (mg/l)	Calcium, Dissolved (mg/l)	Chloride (mg/l)
ENPR1ST-06/06/2014-ORIG	210	210	0	0	0	0.074	0	0	0	45	12
ENPR1ST-03/19/2014-ORIG	300	300	0	0	0	0.081	0	0	0	58	10
ENPR1ST-11/18/2013-ORIG	310	290	0	0.15	0	0.087	0	0	0	63	13
ENPR1ST-08/30/2013-ORIG	260	260	0	0	0	0.067	0	0	0	39	15
ENPR30ST-06/06/2014-ORIG	210	200	0	0	0	0.076	0	0	0	44	12
ENPR30ST-03/19/2014-ORIG	240	230	0	0	0	0.079	0	0	0	54	10
ENPR30ST-11/25/2013-ORIG	280	270	0	0	0	0.08	0	0	0	58	12
ENPR30ST-09/04/2013-ORIG	220	220	0	0	0	0.063	0	0	0	32	14
ENPR2ST-06/06/2013-ORIG	210	200	0	0	0	0.075	0	0	0	44	12
*ENPR2ST-03/2014 - DRY											
ENPR2ST-11/18/2013-ORIG	270	260	0	0.11	0	0.085	0	0	0	57	14
ENPR2ST-08/30/2013-ORIG	270	260	0	0	0	0.074	0	0	0	40	20
ENPR2SP-06/09/2014-ORIG	2400	2300	0	0	0.044	0.7	0	4	0	7.2	2000
ENPR2SP-03/19/2014-ORIG	2100	2000	0	0	0	0.49	0	3	0	5.7	1800
ENPR2SP-11/18/2013-ORIG	2000	2000	0	0.16	0	0.51	0	3	0	5.8	1800
ENPR2SP-08/30/2013-ORIG	2400	2400	0	0	0	0.71	0	4	0	7.2	2200
*ENPR2MW- DRY											
ENPR6ST-06/09/2013-ORIG	280	280	0	0	0	0.067	0	0	0	47	11
*ENPR6ST-03/2014 DRY											
ENPR6ST-11/18/2013-ORIG	270	250	0	0	0	0.083	0	0	0	58	15
ENPR6ST-08/30/2013-ORIG	290	280	0	0	0	0.073	0	0	0	39	19

Analysis Data from 3rd Quarter 2013

Analysis Name	Chromium, Dissolved (mg/l)	Copper, Dissolved (mg/l)	Ethane (mg/l)	Ethylbenzene (mg/l)	Ethylene (mg/l)	Fluoride (mg/l)	Iron, Dissolved (mg/l)	Lead, Dissolved (mg/l)	Magnesium, Dissolved (mg/l)	Manganese, Dissolved (mg/l)	Methane (mg/l)
ENPR1ST-06/06/2014-ORIG	0	0	0	0	0	0.14	0	0	36	0	0
ENPR1ST-03/19/2014-ORIG	0	0	0	0	0	0.14	0	0	34	0	0
ENPR1ST-11/18/2013-ORIG	0	0	0	0	0	0.17	0	0	42	0	0
ENPR1ST-08/30/2013-ORIG	0	0	0	0	0	0.16	0	0	37	0	0.017
ENPR30ST-06/06/2014-ORIG	0	0	0	0	0	0.14	0	0	36	0	0
ENPR30ST-03/19/2014-ORIG	0	0	0	0	0	0.14	0	0	34	0	0
ENPR30ST-11/25/2013-ORIG	0	0	0	0	0	0.13	0	0	38	0	0
ENPR30ST-09/04/2013-ORIG	0	0	0	0	0	0.13	0	0	36	0	0
ENPR2ST-06/06/2013-ORIG	0	0	0	0	0	0.14	0	0	34	0	0
*ENPR2ST-03/2014 - DRY											
ENPR2ST-11/18/2013-ORIG	0	0	0	0	0	0.15	0	0	39	0	0
ENPR2ST-08/30/2013-ORIG	0	0	0	0	0	0.16	0	0	40	0	0
ENPR2SP-06/09/2014-ORIG	0	0	0	0	0	9.6	0	0	20	0	0
ENPR2SP-03/19/2014-ORIG	0	0	0	0	0	9.1	0	0	17	0	0
ENPR2SP-11/18/2013-ORIG	0	0	0	0	0	10	0	0	17	0	0
ENPR2SP-08/30/2013-ORIG	0	0	0	0	0	9.5	0	0	21	0	0.017
*ENPR2MW- DRY											
ENPR6ST-06/09/2013-ORIG	0	0	0	0	0	0.14	0	0	34	0	0
*ENPR6ST-03/2014 DRY											
ENPR6ST-11/18/2013-ORIG	0	0	0	0	0	0.16	0	0	39	0	0
ENPR6ST-08/30/2013-ORIG	0	0	0	0	0	0.16	0	0	41	0	0

Analysis Data from 3rd Quarter 2013

Analysis Name	MTBE (mg/l)	Nitrate (mg/l)	Nitrite (mg/l)	PH (SU)	Potassium, Dissolved (mg/l)	Propane (mg/l)	Selenium, Dissolved (mg/l)	Silver, Dissolved (mg/l)	Sodium, Dissolved (mg/l)	Specific Conductivity (µMHOS/cm)	Sulfate (mg/l)
ENPR1ST-06/06/2014-ORIG	0	0	0	8.6	0.59	0	0	0	59	650	86
ENPR1ST-03/19/2014-ORIG	0	0	0	8.1	1.2	0	0	0	58	720	99
ENPR1ST-11/18/2013-ORIG	0	0	0	8.5	0.9	0	0	0	70	910	110
ENPR1ST-08/30/2013-ORIG	0	0	0	8.5	0.94	0	0	0	61	730	98
ENPR30ST-06/06/2014-ORIG	0	0	0	8.6	0.63	0	0	0	59	650	86
ENPR30ST-03/19/2014-ORIG	0	0	0	8.2	1.3	0	0	0	58	690	97
ENPR30ST-11/25/2013-ORIG	0	0	0	8.5	0.71	0	0	0	57	770	98
ENPR30ST-09/04/2013-ORIG	0	0	0	8.6	1.3	0	0	0	63	670	94
ENPR2ST-06/06/2013-ORIG	0	0	0	8.5	0.58	0	0	0	58	650	86
*ENPR2ST-03/2014 - DRY											
ENPR2ST-11/18/2013-ORIG	0	0	0	8.4	1	0	0	0	60	830	100
ENPR2ST-08/30/2013-ORIG	0	0	0	8.7	1	0	0	0	63	760	110
ENPR2SP-06/09/2014-ORIG	0	0.67	0	8.5	3.6	0	0.021	0	2300	9600	32
ENPR2SP-03/19/2014-ORIG	0	1.6	0	8.4	4.3	0	0	0	2200	8600	48
ENPR2SP-11/18/2013-ORIG	0	1.8	0	8.5	5.5	0	0	0	2100	9800	50
ENPR2SP-08/30/2013-ORIG	0	0.16	0	8.4	4.6	0	0	0	2400	10000	11
*ENPR2MW- DRY											
ENPR6ST-06/09/2013-ORIG	0	0	0	8.5	0	0	0	0	55	660	82
*ENPR6ST-03/2014 DRY											
ENPR6ST-11/18/2013-ORIG	0	0	0	8.4	1.2	0	0	0	62	890	110
ENPR6ST-08/30/2013-ORIG	0	0	0	8.7	1	0	0	0	66	790	110

Analysis Data from 3rd Quarter 2013

Analysis Name	Sulfide (mg/l)	TDS (mg/l)	Toluene (mg/l)	Xylenes (mg/l)
ENPR1ST-06/06/2014-ORIG	0	410	0	0
ENPR1ST-03/19/2014-ORIG	0	450	0	0
ENPR1ST-11/18/2013-ORIG	0	500	0	0
ENPR1ST-08/30/2013-ORIG	0	420	0	0
ENPR30ST-06/06/2014-ORIG	0	410	0	0
ENPR30ST-03/19/2014-ORIG	0	440	0	0
ENPR30ST-11/25/2013-ORIG	0	470	0	0
ENPR30ST-09/04/2013-ORIG	0	410	0	0
ENPR2ST-06/06/2013-ORIG	0	410	0	0
*ENPR2ST-03/2014 - DRY				
ENPR2ST-11/18/2013-ORIG	0	470	0	0
ENPR2ST-08/30/2013-ORIG	0	450	0	0
ENPR2SP-06/09/2014-ORIG	0	5400	0	0
ENPR2SP-03/19/2014-ORIG	0	5200	0	0
ENPR2SP-11/18/2013-ORIG	0	5400	0	0
ENPR2SP-08/30/2013-ORIG	0	6200	0	0
*ENPR2MW- DRY				
ENPR6ST-06/09/2013-ORIG	0	420	0	0
*ENPR6ST-03/2014 DRY				
ENPR6ST-11/18/2013-ORIG	0	480	0	0
ENPR6ST-08/30/2013-ORIG	0	450	0	0