

Red Butte Creek Oil Release Air Monitoring Journal

Date	Location (Time)	Analyte	Method	Result	GPS Location	Comment		
7/12/10	Miller Park, along Red Butte Creek (1400-1430)	Volatile Organic Compounds (VOCs)	PID	0.0 ppm ¹	40°44'46.37"N, 111°50'48.60"W	~20 yards from outlet from Miller Park, 10 ft above creek		
				0.0 ppm ¹	40°44'46.60"N, 111°50'46.30"W	~50 yards from outlet, on edge of creek		
				0.0 ppm ¹	40°44'47.10"N, 111°50'45.55"W	~75 yards from outlet, 2 ft above creek		
				0.0 ppm ¹	40°44'47.72"N, 111°50'43.65"W	At waterfall on bridge, 12 ft above creek		
		Hydrogen Sulfide (H ₂ S)	QRAEII	0.0 ppm ²	Odors are not detected in this area. No crews working in this area. Crews working in the creek are downstream from this site.			
		Carbon Monoxide (CO)	QRAEII	0.0 ppm				
		Lower Explosive Limit (LEL)	QRAEII	0.0%				
	Confluence of Jordan River and Red Butte Creek (1535-1545)	Volatile Organic Compounds (VOCs)	Photo Ionization Detector (PID)	0.0 ppm ¹	40°44'29.75"N, 111°55'3.68"W	At inlet to Jordan River, 3 ft from water. No odors were detected. Oil is built up around the barriers. No crews working in this area.		
				Hydrogen Sulfide (H ₂ S)			QRAEII	0.0 ppm ²
				Carbon Monoxide (CO)			QRAEII	0.0 ppm
				Lower Explosive Limit (LEL)			QRAEII	0.0%
	Garden Park Ward, 1140 East Harvard (1445-1450)	Volatile Organic Compounds (VOCs)	Photo Ionization Detector (PID)	0.0 ppm ¹	40°44'42.01"N, 111°51'29.60"W	At the creek's edge. Crews are working downstream from this site. Low odor detected by technician.		
				Hydrogen Sulfide (H ₂ S)			QRAEII	0.0 ppm ²
Carbon Monoxide (CO)				QRAEII			0.0 ppm	
Lower Explosive Limit (LEL)				QRAEII			0.0%	

¹ PID readings for VOCs are used as a screening method to determine contaminants typically associated with crude oil. If high levels of VOCs are detected, additional sampling is conducted

² 10ppm Hydrogen Sulfide (ceiling) - NIOSH recommended exposure level

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7/12/10	1100 East Harvard (1455-1500)	Volatile Organic Compounds (VOCs)	Photo Ionization Detector (PID)	0.0 ppm ¹	40°44'42.1"N, 111°51'34.0"W	Sample taken at culvert opening.
		Volatile Organic Compounds (VOCs)	Photo Ionization Detector (PID)	0.0 ppm ¹		North of Harvard where Red Butte Creek goes underneath 1100 East. Low odors detected by technician.
		Hydrogen Sulfide (H ₂ S)	QRAEII	0.0 ppm ²		
		Carbon Monoxide (CO)	QRAEII	0.0 ppm		
		Lower Explosive Limit (LEL)	QRAEII	0.0%		
	Liberty Park (1510-1525)	Volatile Organic Compounds (VOCs)	Photo Ionization Detector (PID)	0.0 ppm ¹	In between 40°44'37.96"N, 111°52'25.29"W and 40°44'38.41"N, 111°52'21.04"W	Sampling along the north side of the lake. No odor was detected by technician.
		Hydrogen Sulfide (H ₂ S)	QRAEII	0.0 ppm ²		
		Carbon Monoxide (CO)	QRAEII	0.0 ppm		
Lower Explosive Limit (LEL)		QRAEII	0.0%			

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Weather Conditions for:	K7PB Salt Lake City, UT (AS230)				Elev: 4615 ft; Latitude: 40.73067; Longitude: -111.82667				
Time: (MDT)	Temp. (f)	Dew	Relative	Wind	Wind	Altimeter	Station	Precip	Quality
		Point (f)	Humidity (%)	Direction	Speed (mph)	Setting (inches)	Pressure (inches)	24 hour (inches)	Control
12 Jul 3:29 pm	93	51	24	NW	G15	29.50	24.897	0.00	OK
12 Jul 3:19 pm	93	49	22	W	6G15	29.50	24.897	0.00	OK
12 Jul 3:09 pm	94	48	21	WNW	3G12	29.51	24.906	0.00	OK
12 Jul 2:59 pm	93	47	21	WNW	3G16	29.51	24.906	0.00	OK
12 Jul 2:49 pm	93	49	22	WNW	3G16	29.52	24.915	0.00	OK
12 Jul 2:40 pm	92	48	22	W	12G16	29.51	24.906	0.00	OK
12 Jul 2:29 pm	93	46	20	NNW	3G16	29.51	24.906	0.00	OK
12 Jul 2:19 pm	92	47	21	WNW	3G16	29.52	24.915	0.00	OK
12 Jul 2:09 pm	92	49	23	W	9G16	29.52	24.915	0.00	OK
12 Jul 1:59 pm	92	50	24	WNW	3G13	29.52	24.915	0.00	OK

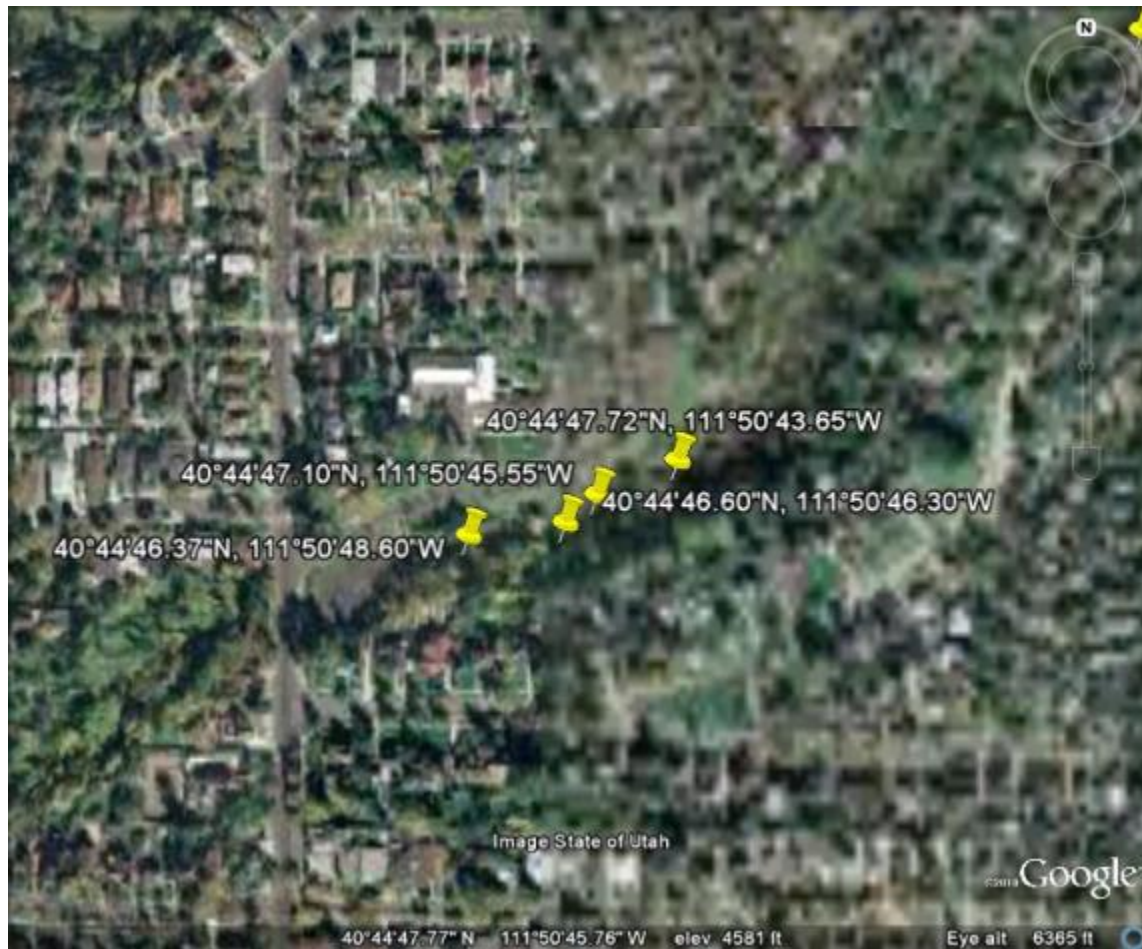
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Liberty Park Sample Sites



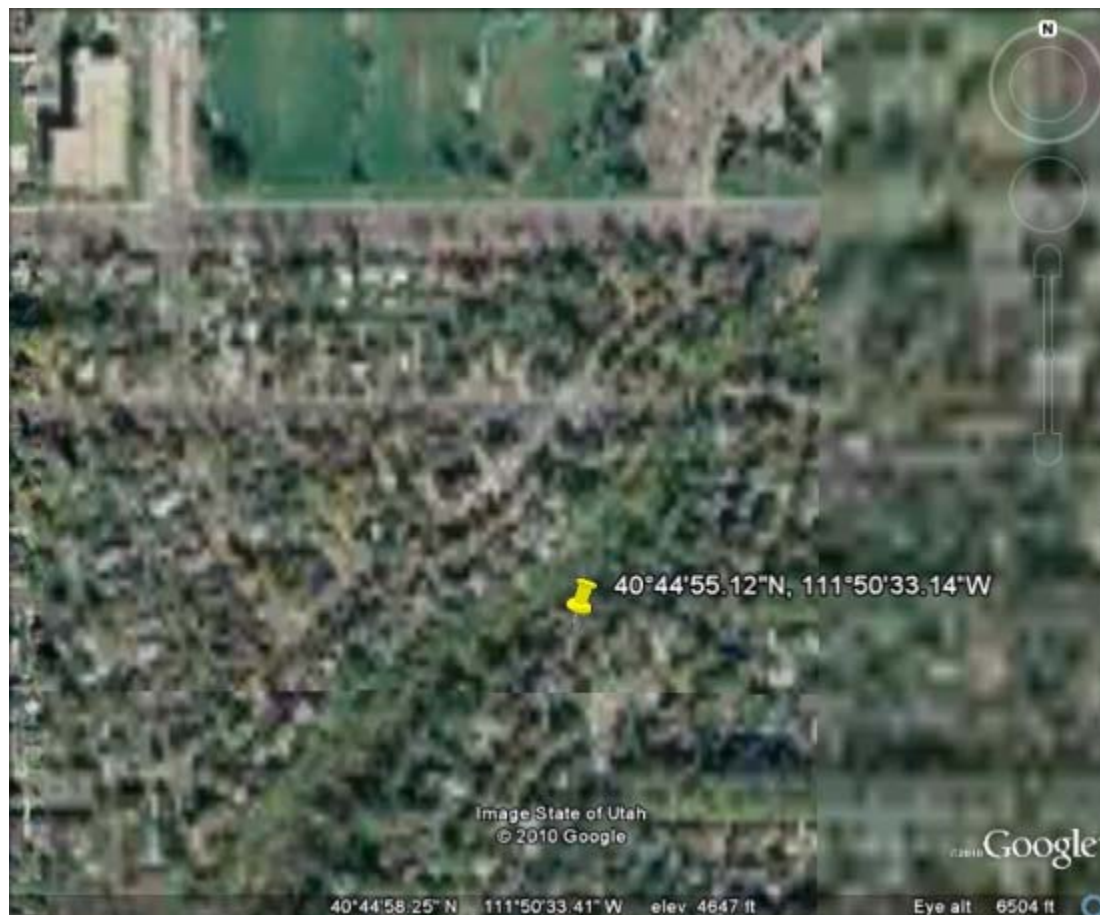
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Miller Park Sample Sites



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Resident Sample Site at 966 Military



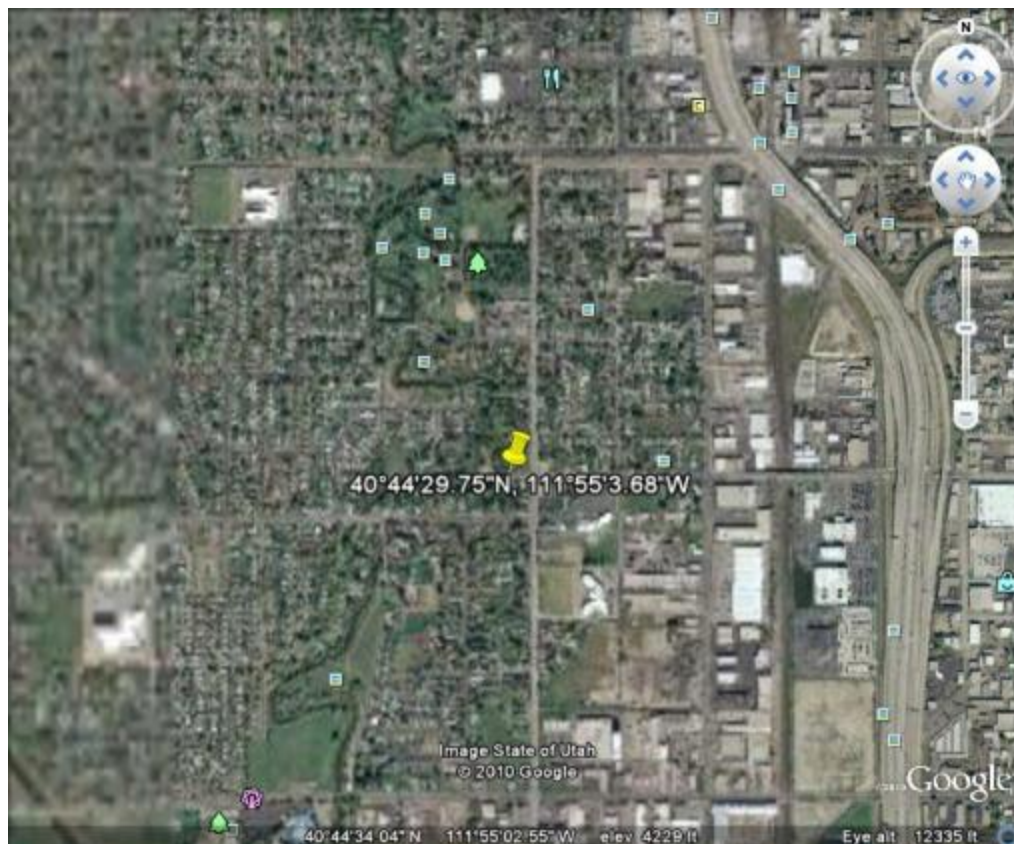
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Garden Ward Sample Site at 11th East and Harvard



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Sample Site at the Jordan River Confluence



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Sample Site at Sunnyside Park

