

Red Butte Creek Oil Release Air Monitoring Journal

Date	Location (Time)	Analyte	Method	Result	GPS Location	Comment		
8/26/10	Miller Park, along Red Butte Creek (1225-1245)	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	No odor detected. Water levels were moderate. No crews working in this area.			
		Carbon Monoxide (CO)	QRAEII	0.0 ppm				
		Lower Explosive Limit (LEL)	QRAEII	0.0%				
	Confluence of Jordan River and Red Butte Creek (1125-1130)	Volatile Organic Compounds (VOCs)	Photo Ionization Detector (PID)	0.0-0.1 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. Brown/green film 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 (1210-1220)	Volatile Organic Compounds (VOCs)	Photo Ionization Detector (PID)	NA	40°44'42.01"N, 111°51'29.60"W	Gates to enter the Garden Park Ward grounds were closed and locked. Unable to sample.		
				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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8/26/10	1100 East Harvard (1205-1210)	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. No odors detected by technician. Water level was moderate. No crews were working in 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%		
	Liberty Park (1140-1150)	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. Crews were working around lake.
		Hydrogen Sulfide (H ₂ S)	QRAEII	0.0 ppm ²		
		Carbon Monoxide (CO)	QRAEII	0.0 ppm		
		Lower Explosive Limit (LEL)	QRAEII	0.0%		
	Residence of 580 East 1300 South (1150-1155)	Volatile Organic Compounds (VOCs)	Photo Ionization Detector (PID)	0.0 ppm ¹	40°44'29.6"N, 111°51'27.6"W	Sampling in the front yard of this residence NW side of lot. 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
26 Aug 1:10 pm	92	30	11	S	3G09	29.80	24.939	0.00	OK
26 Aug 12:55 pm	92	44	19	S	1G06	29.83	24.965	0.00	OK
26 Aug 12:40 pm	90	38	16	S	2G06	29.83	24.965	0.00	OK
26 Aug 12:25 pm	89	41	19	S	2G04	29.84	24.973	0.00	OK
26 Aug 12:10 pm	87	30	13	S	2G04	29.86	24.991	0.00	OK
26 Aug 11:40 am	83	37	19	S	G03	29.88	25.008	0.00	OK
26 Aug 11:25 am	81	34	18	S	G02	29.89	25.017	0.00	OK
26 Aug 11:10 am	78	34	20	S	G02	29.91	25.034	0.00	OK

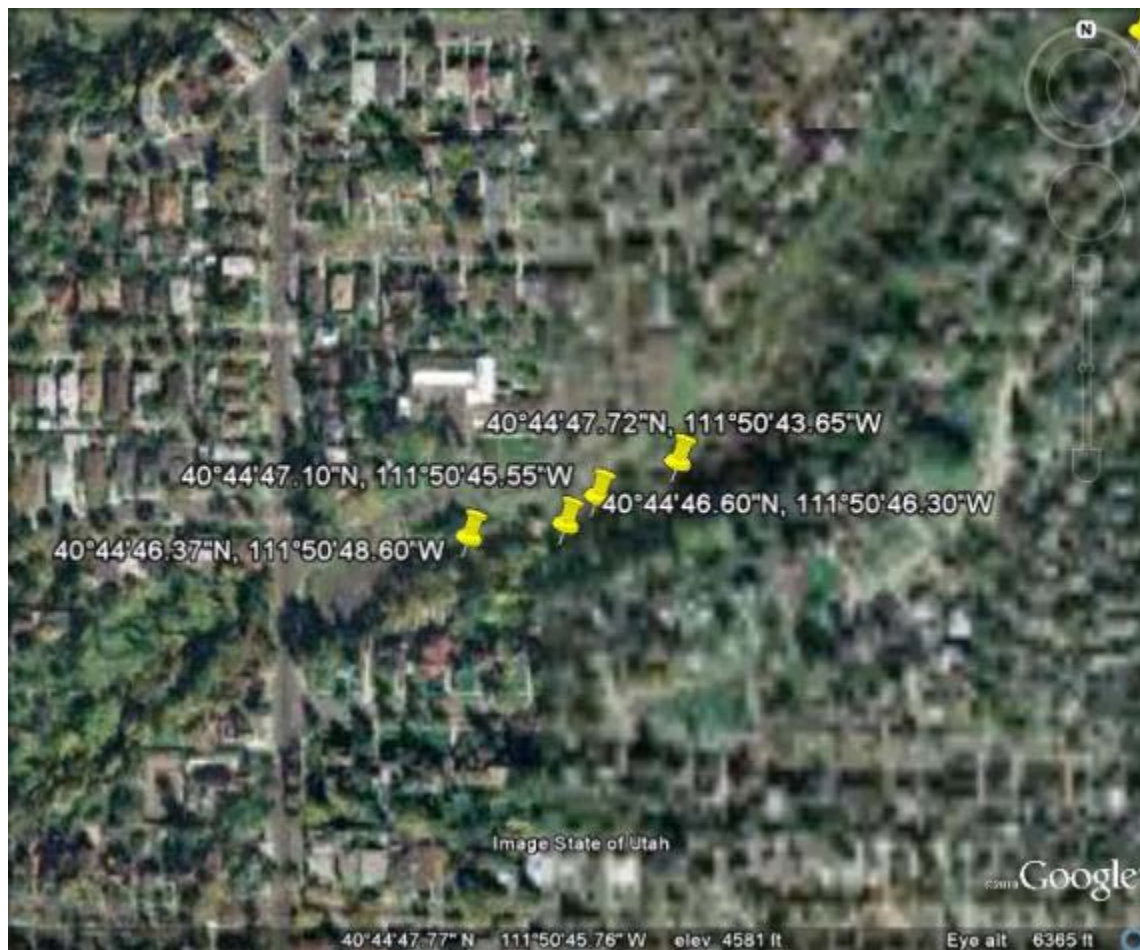
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Liberty Park Sample Sites



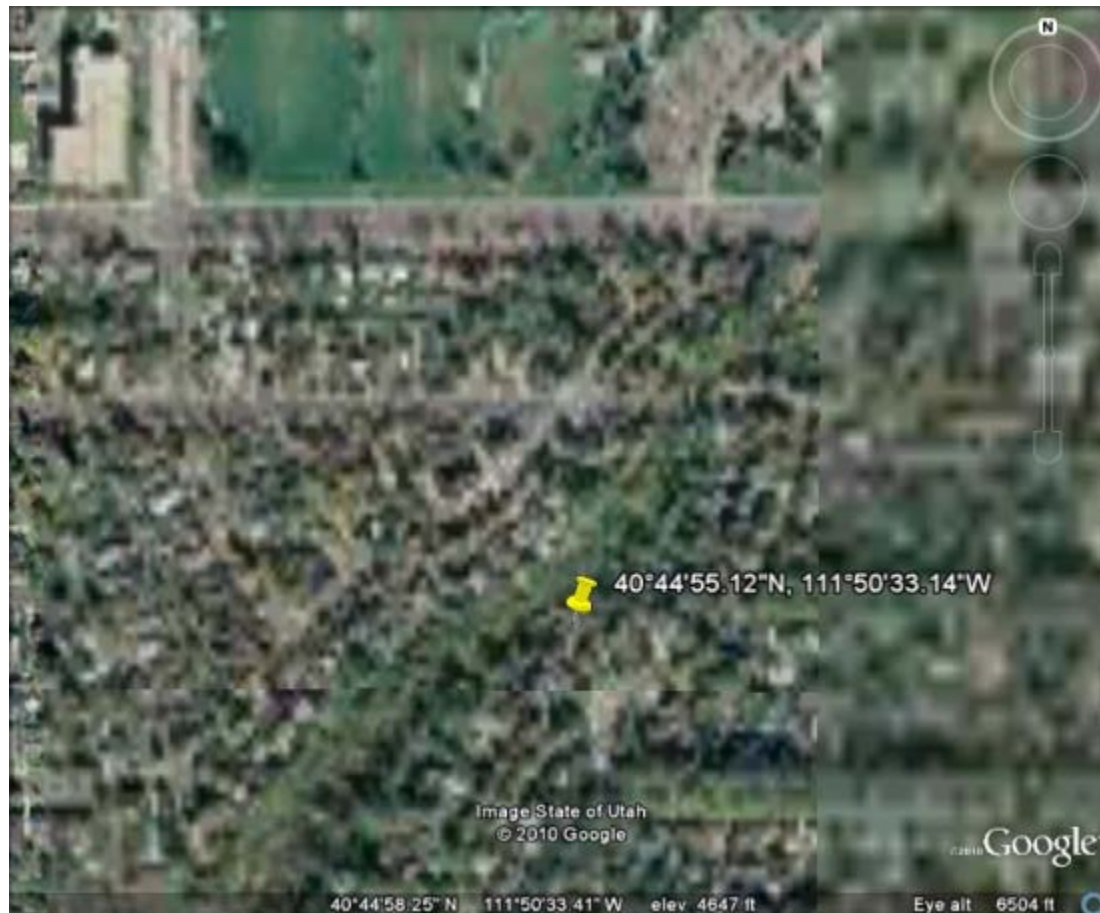
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Miller Park Sample Sites



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Resident Sample Site at 966 Military



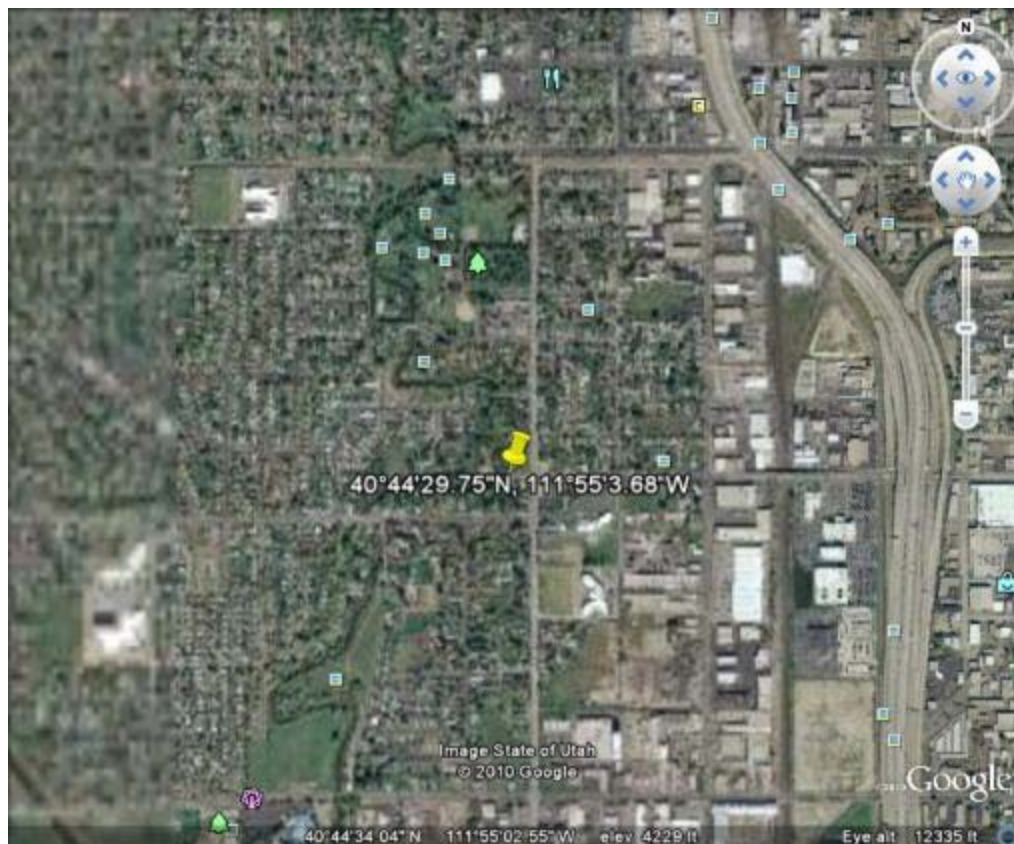
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Garden Ward Sample Site at 11th East and Harvard



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Sample Site at the Jordan River Confluence



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Sample Site at Sunnyside Park

