

LCCMR Groundwater Contamination Mapping Project

June 2019 Progress Report

Data Harvest – 2017-2019

- Phase 1 – Active Superfund sites. Load well information into EQulS.
- Phase 2 – Active Superfund sites. Load groundwater sampling results into EQulS.
- Phase 3 – Select other program groundwater sites. Load well locations and sampling results.

Mapping Contamination - 2019

- Map areas of groundwater contamination.
- Peer review.

Publishing - 2020

- Interactive web-based map and supporting data published.

Project in: Phase 2 Data Harvest

Phase 1 Data Harvest - 99% complete

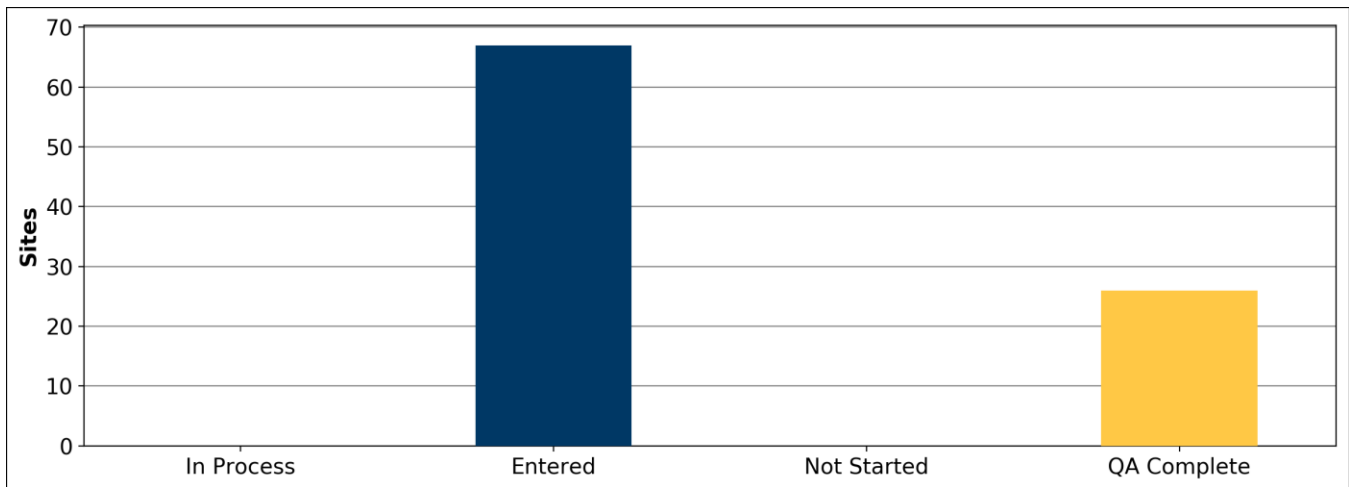
Phase 2 Data Harvest - 82% complete

Total Number of Wells in EQulS

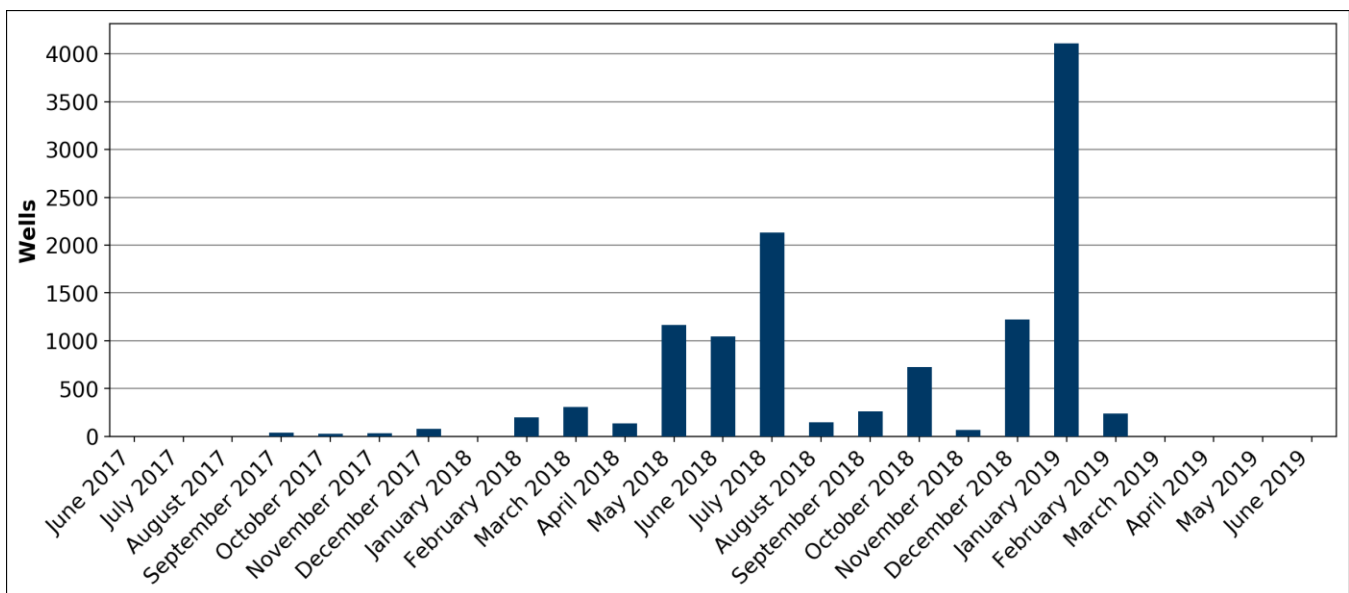
11568 permanent wells

2885 temporary wells

Well Location Entry Status of Active Superfund Sites



Number of Wells Entered into EQulS



Facility Code	Facility Name	Location Status	Permanent Wells	Temporary Wells	Total Wells
SR000001	Joslyn Mfg. & Supply Co.OU1	Entered	71	0	71
SR000003	General Mills	QA Complete	143	74	217
SR000004	Boise Cascade/Onan/Medtronics	Entered	41	10	51
SR000008	St. Regis Paper OU 1	Entered	138	45	183
SR000016	Burlington Northern Tie Plant	Entered	70	0	70
SR000017	Burlington Northern Car Shops (Brainerd)	Entered	20	11	31
SR000018	Honeywell Inc. - Golden Valley Plant	QA Complete	226	15	241
SR000025	Tonka Main Plant	Entered	43	0	43
SR000029	FMC	Entered	94	1	95
SR000033	3M Chemolite / Cottage Grove	QA Complete	40	0	40
SR000034	Bell Lumber & Pole Co	QA Complete	32	0	32
SR000035	Waite Park Wells	Entered	15	0	15
SR000039	Ritari Post & Pole	QA Complete	41	15	56
SR000040	Long Prairie Groundwater Contamination	Entered	68	0	68
SR000044	Valentine Clark Corp	Entered	32	0	32
SR000055	Oakdale Dump Sites	QA Complete	111	0	111
SR000056	Perham Arsenic	QA Complete	38	0	38
SR000058	Boise Cascade Paint Waste Dump	Entered	10	0	10
SR000060	Reilly Tar & Chemical Saint Louis Park	QA Complete	312	0	312
SR000063	Isanti Schumacher	QA Complete	16	0	16
SR000067	Arrowhead Refinery Co.	Entered	56	1	57
SR000072	NIROP OU1	Entered	181	46	227
SR000073	Twin Cities AFRB	QA Complete	13	0	13
SR000084	Baytown Twp Groundwater Cont	Entered	798	21	819
SR000087	Cedar Services	In Process	0	0	0
SR000093	Duluth City Dump Former	Entered	36	0	36
SR000095	Duluth Air Force Base OU1	Entered	424	139	563
SR000098	Freeway Sanitary Landfill	Entered	48	1	49
SR000099	Old Freeway Dump	Entered	25	0	25
SR000107	Pollution Controls Inc. (aka PCI) (SF)	QA Complete	23	23	46
SR000112	Brooklyn Park Dump (SF)	Entered	50	0	50
SR000117	Pigs Eye Landfill	Entered	57	0	57
SR000122	Highway 96 Dump	Entered	204	0	204
SR000131	Superior Plating Inc (SF)	Entered	16	0	16
SR000136	Electric Machinery	QA Complete	53	8	61
SR000145	Lakeland Ground Water Contamination	Entered	229	0	229
SR000149	St. Louis/Interlake/Duluth/Tar Site - OU Sed (Sedi	Entered	73	18	91
SR000175	Schloff Chemical	Entered	57	0	57
SR000176	Mankato Plating Co	Entered	28	0	28
SR000177	MIBCO Site	Entered	69	0	69

SR0000179	West Duluth Industrial Site	QA Complete	15	0	15
SR0000181	Winona GW Contamination	Entered	63	0	63
SR0000192	Pine Street Dump (SF)	Entered	52	0	52
SR0000198	St Paul Levee Property	Entered	0	0	0
SR0000199	Littlefork GW Contamination Site	Entered	73	1	74
SR0000200	MacGillis and Gibbs Waste Site	Entered	136	13	149
SR0000205	Former Finland Air Force Station	Entered	71	0	71
SR0000206	Pilgrim Cleaners	Entered	11	0	11
SR0000249	Precision Plating, Inc. (SF)	Entered	24	38	62
SR0000264	D's Fabric Care (SF)	QA Complete	12	0	12
SR0000276	St. Louis River/US Steel Site Wide	Entered	63	25	88
SR0000278	Ashland Oil - Park Penta	Entered	35	0	35
SR0000279	Minnegasco OU2 Ground Water	Entered	85	0	85
SR0000313	TCAAP General	Entered	603	0	603
SR0000329	Farmington Ground Water Plume	Entered	42	0	42
SR0000348	CMC Heartland Lite Yard	Entered	18	0	18
SR0000349	Kettle River Company - Creosote	Entered	43	0	43
SR0000350	Peter Pan	Entered	2	0	2
SR0000351	Reserve Mining Silver Bay Scrapyard & DRO Plume	QA Complete	25	0	25
SR0000357	SW Fridley Area Wide Groundwater Survey	Entered	397	80	477
SR0000358	Edina Well Field Site	Entered	136	30	166
SR0000359	Rochester Groundwater Plume	Entered	35	0	35
SR0000360	Minnesota Valley Landfill	Entered	5	34	39
SR0000361	Hibbing Gas Manufacturing Plant Site	Entered	13	0	13
SR0000369	Esko Groundwater Contamination Site	QA Complete	60	51	111
SR0000372	Capri Beauty Salon	Entered	7	73	80
SR0000373	Hmong Shopping Center/Pilgrim Cleaners	Entered	11	0	11
SR0000375	Southview Boulevard	Entered	130	0	130
SR0000376	Fish Hatchery Dump	Entered	16	8	24
SR0000377	St. Louis Park Solvent Plume	QA Complete	113	122	235
SR0000378	Brainerd Foundry (SR)	QA Complete	3	0	3
SR0000379	Centerville Road Dump	Entered	29	1	30
SR0000381	Bulinski Point - Wittrup	QA Complete	6	0	6
SR0000382	Rice County Dump	Entered	19	0	19
SR0001009	Chemical Marketing Corp Of America	Entered	4	0	4
SR0001051	Cedar Serv Inc	In Process	36	0	36
SR0001273	Poplar Hill Solvent Site	Entered	5	13	18
SR0001281	Main Street Solvent Plume	Entered	22	7	29
SR0001293	White Way Cleaners	Entered	22	4	26
SR0001339	Exclusive Cleaners Worthington	Entered	11	0	11
SR0001349	Spring Park Municipal Wells	Entered	179	76	255
SR0001351	Ace Signs, Inc (SF)	QA Complete	0	0	0
SR0001353	Clothing Care Cleaners (SF)	Entered	20	1	21
SR0001354	Page & Hill (SF)	Entered	17	0	17
SR0001398	Universal Plating	Entered	0	0	0
SR0001400	66th St & Vincent Ave	Entered	32	1	33

SR0001401	Southeast Hennepin Area Groundwater & Vapor Site	Entered	21	18	39
SR0001402	Lyndale Ave Corridor	Entered	87	10	97
SR0001403	Arcade & Hawthorne Ave E	QA Complete	3	10	13
SR0001404	55th St & Lyndale Ave S	QA Complete	0	0	0
SR0001405	University Ave & Pascal St	QA Complete	24	67	91
SR0001406	Hospital Linen	QA Complete	0	0	0
SR0001412	Former Pure Oil Company	QA Complete	6	5	11
SR0001491	East Metro PFAS	Entered	3695	4	3699
SR0001503	West Broadway Ground Water Contamination	QA Complete	31	8	39
Total			10569	1128	11697

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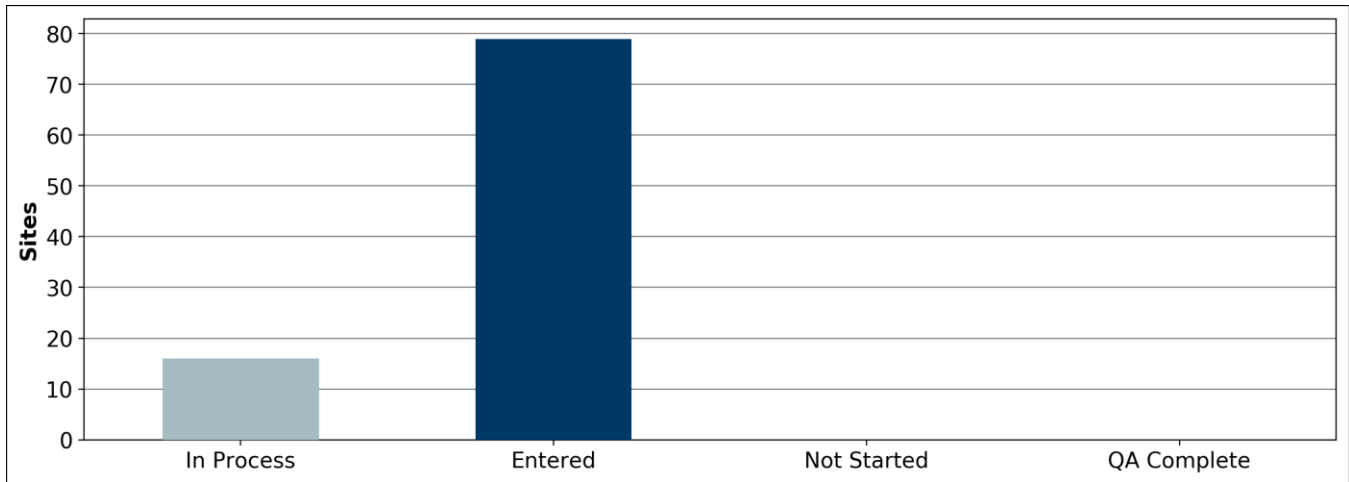
Phase 2 Data Harvest - 82% complete

Total Number of Samples in EQulS

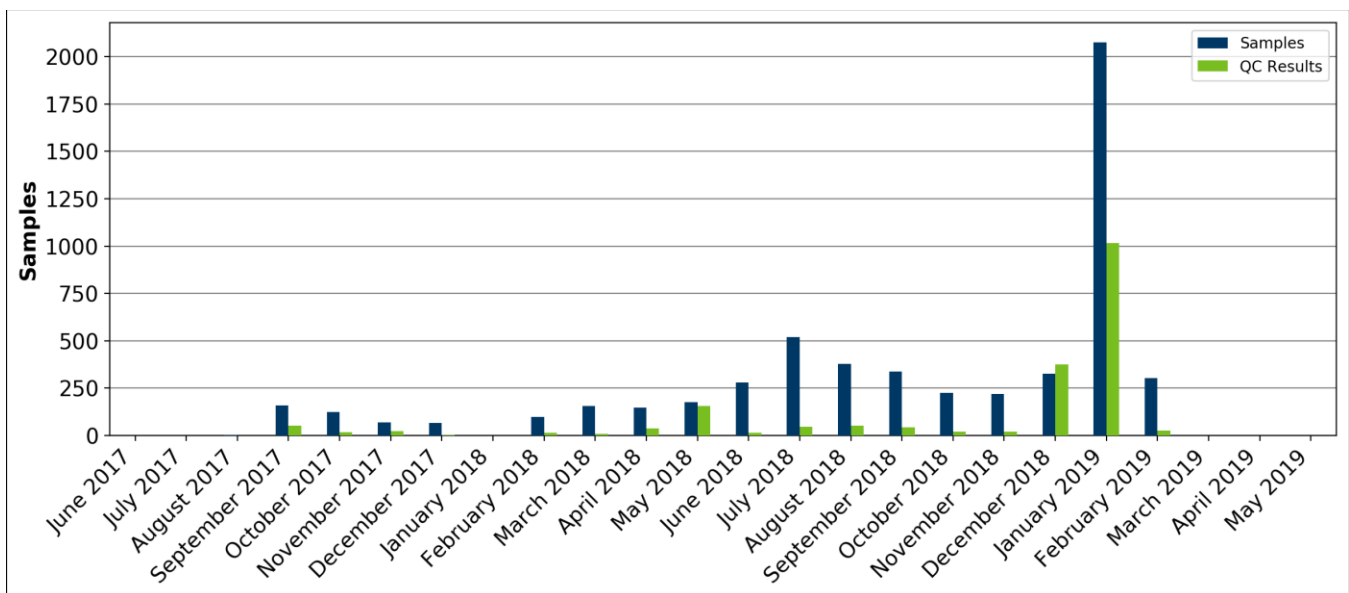
9676 samples

2758 QC samples

Sample Entry Status of Active Superfund Sites



Number of Samples Loaded in EQulS



Facility Code	Facility Name	Status	Sample Count	QC Count	Percent of Locations with Samples
SR000001	Joslyn Mfg. & Supply Co.OU1	In Process	0	0	0%
SR000003	General Mills	Entered	197	0	31%
SR000004	Boise Cascade/Onan/Medtronics	Entered	0	0	0%
SR000008	St. Regis Paper OU 1	Entered	21	8	4%
SR000016	Burlington Northern Tie Plant	Entered	111	19	71%
SR000017	Burlington Northern Car Shops (Brainerd)	Entered	0	0	0%
SR000018	Honeywell Inc. - Golden Valley Plant	Entered	0	0	0%
SR000025	Tonka Main Plant	In Process	0	0	0%
SR000029	FMC	Entered	36	4	35%
SR000033	3M Chemolite / Cottage Grove	Entered	55	102	100%
SR000034	Bell Lumber & Pole Co	Entered	10	0	25%
SR000035	Waite Park Wells	Entered	0	0	0%
SR000039	Ritari Post & Pole	Entered	65	1	62%
SR000040	Long Prairie Groundwater Contamination	Entered	193	6	92%
SR000044	Valentine Clark Corp	In Process	0	0	0%
SR000055	Oakdale Dump Sites	Entered	0	0	0%
SR000056	Perham Arsenic	Entered	216	31	89%
SR000058	Boise Cascade Paint Waste Dump	Entered	0	0	0%
SR000060	Reilly Tar & Chemical Saint Louis Park	Entered	3002	478	35%
SR000063	Isanti Schumacher	Entered	9	0	50%
SR000067	Arrowhead Refinery Co.	Entered	9	2	10%
SR000072	NIROP OU1	Entered	0	0	0%
SR000073	Twin Cities AFRB	Entered	3	0	23%
SR000084	Baytown Twp Groundwater Cont	Entered	1524	55	64%
SR000087	Cedar Services	Entered	0	0	0%
SR000093	Duluth City Dump Former	Entered	20	2	30%
SR000095	Duluth Air Force Base OU1	Entered	92	76	13%
SR000098	Freeway Sanitary Landfill	In Process	0	0	0%
SR000099	Old Freeway Dump	Entered	0	0	0%
SR000107	Pollution Controls Inc. (aka PCI) (SF)	Entered	0	0	0%
SR000112	Brooklyn Park Dump (SF)	Entered	0	0	0%
SR000117	Pigs Eye Landfill	In Process	193	331	82%
SR000122	Highway 96 Dump	Entered	280	11	55%
SR000131	Superior Plating Inc (SF)	Entered	119	50	93%
SR000136	Electric Machinery	Entered	23	2	26%
SR000145	Lakeland Ground Water Contamination	Entered	36	0	15%
SR000149	St. Louis/Interlake/Duluth/Tar Site - OU Sed (Sedi	Entered	0	0	0%
SR000175	Schloff Chemical	Entered	14	0	22%
SR000176	Mankato Plating Co	Entered	15	1	35%
SR000177	MIBCO Site	In Process	0	0	0%
SR000179	West Duluth Industrial Site	Entered	28	3	66%
SR000181	Winona GW Contamination	Entered	21	3	33%
SR000192	Pine Street Dump (SF)	Entered	0	0	0%
SR000198	St Paul Levee Property	Entered	0	0	0%
SR000199	Littlefork GW Contamination Site	In Process	36	3	48%
SR000200	MacGillis and Gibbs Waste Site	Entered	140	13	48%
SR000205	Former Finland Air Force Station	Entered	32	1	42%

SR0000206	Pilgrim Cleaners	Entered	3	0	27%
SR0000249	Precision Plating, Inc. (SF)	In Process	28	0	30%
SR0000264	D's Fabric Care (SF)	Entered	0	0	0%
SR0000276	St. Louis River/US Steel Site Wide	Entered	24	0	14%
SR0000278	Ashland Oil - Park Penta	In Process	44	0	60%
SR0000279	Minnegasco OU2 Ground Water	In Process	48	5	24%
SR0000313	TCAAP General	Entered	0	0	0%
SR0000329	Farmington Ground Water Plume	Entered	28	5	31%
SR0000348	CMC Heartland Lite Yard	Entered	30	2	83%
SR0000349	Kettle River Company - Creosote	Entered	250	1	95%
SR0000350	Peter Pan	Entered	0	0	0%
SR0000351	Reserve Mining Silver Bay Scrapyard	Entered	19	3	44%
SR0000357	SW Fridley Area Wide Groundwater	Entered	250	25	22%
SR0000358	Edina Well Field Site	Entered	0	0	0%
SR0000359	Rochester Groundwater Plume	Entered	151	27	71%
SR0000360	Minnesota Valley Landfill	Entered	5	1	12%
SR0000361	Hibbing Gas Manufacturing Plant Site	Entered	0	0	0%
SR0000369	Esko Groundwater Contamination Site	Entered	148	10	32%
SR0000372	Capri Beauty Salon	Entered	6	0	5%
SR0000373	Hmong Shopping Center/Pilgrim Cleaners	Entered	35	7	90%
SR0000375	Southview Boulevard	Entered	0	0	0%
SR0000376	Fish Hatchery Dump	Entered	9	6	37%
SR0000377	St. Louis Park Solvent Plume	Entered	491	112	72%
SR0000378	Brainerd Foundry (SR)	Entered	0	0	0%
SR0000379	Centerville Road Dump	Entered	28	3	70%
SR0000381	Bulinski Point - Wittrup	In Process	3	0	50%
SR0000382	Rice County Dump	In Process	13	1	31%
SR0001009	Chemical Marketing Corp Of America	Entered	5	0	100%
SR0001051	Cedar Serv Inc	Entered	267	0	77%
SR0001273	Poplar Hill Solvent Site	In Process	13	2	61%
SR0001281	Main Street Solvent Plume	In Process	7	2	10%
SR0001293	White Way Cleaners	Entered	11	0	38%
SR0001339	Exclusive Cleaners Worthington	Entered	0	0	0%
SR0001349	Spring Park Municipal Wells	Entered	46	2	5%
SR0001351	Ace Signs, Inc (SF)	Entered	0	0	0%
SR0001353	Clothing Care Cleaners (SF)	In Process	4	1	19%
SR0001354	Page & Hill (SF)	Entered	13	1	70%
SR0001398	Universal Plating	Entered	8	1	63%
SR0001400	66th St & Vincent Ave	Entered	12	1	30%
SR0001401	Southeast Hennepin Area	In Process	0	0	0%
SR0001402	Lyndale Ave Corridor	Entered	0	0	0%
SR0001403	Arcade & Hawthorne Ave E	Entered	7	0	14%
SR0001404	55th St & Lyndale Ave S	Entered	8	1	53%
SR0001405	University Ave & Pascal St	Entered	3	1	3%
SR0001406	Hospital Linen	Entered	0	0	0%
SR0001412	Former Pure Oil Company	Entered	0	0	0%
SR0001491	East Metro PFAS	Entered	1165	1336	23%
SR0001503	West Broadway	Entered	0	0	0%
Total			9682	2758	58%