

Table 1. Location and general description of sampling sites in the Miller Creek watershed, Montana, August 30-31, 2000

[Site numbers represent location and indicate distance, in feet, downstream from either the tracer-injection site on Miller Creek, or downstream from site E0, the most upstream site on East Fork Miller Creek. The term left bank and right bank refer to the side of Miller Creek viewed while looking downstream. The East Fork is a large left-bank tributary that enters Miller Creek 3,205 feet downstream from the tracer-injection site]

Site number	Streambed-sediment sampling site	General site description	Site identification number ¹
Miller Creek sites			
0	x	Injection site 25 feet upstream from Black Warrior Mine tributary	450255109572901
25	x	Right-bank tributary from Black Warrior adit and mine dump	450255109572902
190	x	Miller Creek at the road crossing (tracer-monitoring site T-1)	450254109572701
400		Left-bank seep	450254109572401
420		Miller Creek downstream from left-bank seep	450253109572401
1,020	x	Miller Creek just downstream from steep gully section	450249109572401
1,135		Right-bank tributary	450248109572301
1,170	x	Miller Creek about 40 feet downstream from right-bank tributary	450248109572302
1,850		Miller Creek upstream from Miller Creek dumps 1 and 2; ferricrete deposit 10 feet above creek on left bank	450242109572001
2,225	x	Miller Creek downstream from Miller Creek dumps 1 and 2	450240109571601
2,310		Right-bank tributary	450241109571701
2,645		Right-bank seep	450240109571201
2,995	x	Miller Creek at second road crossing; upstream from confluence of East Fork Miller Creek	450237109570901
3,205	x	Mouth of East Fork Miller Creek; left-bank tributary 3,205 feet downstream from tracer-injection site and about 1,100 feet downstream from site E0	450237109570701
3,225	x	Miller Creek downstream from mouth of East Fork; upstream from lower Miller Creek dump 1	450236109570701
3,450		Miller Creek downstream from lower Miller Creek dump 1	450235109570401
3,455		Left-bank tributary 5 feet downstream from site 3,450	450235109570402
3,910	x	Miller Creek just upstream from right-bank tributary	450231109570201
3,915		Large right-bank tributary; about equal to the flow in Miller Creek; bed is covered with algae	450231109570202
4,100	x	Miller Creek downstream from right-bank tributary	450230109570101
4,220		Left-bank tributary originating above the road near old cabin; natural channel diverted into trench near its mouth	450229109570001
4,310		Miller Creek 90 feet downstream from left-bank tributary	450228109565901
4,680		Right-bank tributary	450225109565801
4,710		Miller Creek downstream from right-bank tributary	450225109565802
4,890		Left-bank tributary	450224109565601
5,030		Right-bank tributary	450222109565601
5,190	x	Miller Creek	450221109565401

5,245		Left-bank tributary	450221109565301
5,790		Right-bank tributary	450218109564701
5,945		Left-bank tributary with iron staining on bed	450218109564501
6,100		Miller Creek downstream from left-bank tributary; upstream edge of meadow	450218109564301
6,450		Miller Creek at downstream edge of meadow; ground-water discharge area	450217109563901
6,465		Left-bank tributary with aluminum staining on bed	450217109563902
6,605		Miller Creek downstream from left-bank tributary	450216109563701
6,750		Left-bank tributary with minor iron staining on bed	450216109563501
7,120	x	Miller Creek at third road crossing; historical sampling site SW-2 (tracer-monitoring site T-2)	450214109563201
7,835		Right-bank tributary; pump station in stream near left bank	450209109562801
8,845		Miller Creek at fourth road crossing	450202109562201
9,735		Right-bank seeps	450200109561201
10,120	x	Miller Creek	450159109560801
10,280		Left-bank tributary	450158109560601
10,955		Miller Creek at 90 degree bend toward the southwest	450155109560001
12,295	x	Miller Creek; old tires and garbage in streambed	450146109555001
13,165		Miller Creek	450141109554301
13,170		Left-bank tributary	450141109554302
13,410		Miller Creek just downstream from site 13,170; at top of waterfall	450139109554301
14,160		Left-bank tributary	450133109553801
14,505		Miller Creek at base of waterfall	450130109553601
14,930	x	Miller Creek mainchannel splits; upstream from historical sampling site SW-5 (tracer-monitoring site T-3)	450127109553301

East Fork sites

E0		East Fork Miller Creek 50 feet downstream from the headwater springs; about 1,100 feet upstream from mouth of East Fork (site 3,205)	450246109571001
E265		East Fork Miller Creek just upstream from left-bank tributary; about 835 feet upstream from mouth of East Fork	450244109570801
E280		Left-bank tributary about 820 feet upstream from mouth of East Fork	450244109570802
E550		Left-bank seep about 550 feet upstream from mouth of East Fork	450242109570801
E650		East Fork Miller Creek about 450 feet upstream from mouth	450240109570901
E700		Right-bank seep about 400 feet upstream from mouth of East Fork	450240109570902

¹Fifteen-digit station-identification number is a unique identifier that represents the approximate latitude and longitude of the site (first 13 digits) plus a sequence number (last two digits).