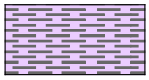
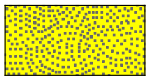
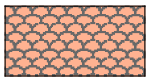
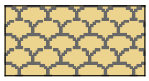
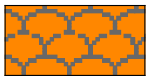
EXPLANATION

Figures A1–A24

Pattern	
	Organic
	Clay
	Silt and Sand
	Fine Gravel
	Medium to Very Coarse Gravel
	Gravel and Cobble
	Bedrock

Abbreviation

v.	very
f.	fine
m.	medium
c.	coarse
p-s	poorly-sorted
Mod-s	moderately-sorted
w-s	well-sorted

Kootenai River Stream Bed Coring Team:

Gary Barton, Hydrologist, Project Chief
Ryan Fosness, Hydraulic Engineer
Brian Owen, Driller
Boart Longyear, Drilling Company

TB-20
Latitude 48.698 Longitude 116.201
Date: 07-07-2007
Depth penetrated by core: 15.2 meters
Core type: Sonic drill
Core inside diameter: 15 centimeters
Comments: Sand and finer grained sediment were sampled from one or more depth intervals, each subsample was combined and mixed vigorously forming a single composite sample for the core site for chemical analysis. Color and size of sediment were determined using the Geotechnical Gauge manufactured by W.F. McCollough. Color of samples assessed when wet. Gravelometer used to measure B-axis of gravel and cobble. Some sediment samples were viewed through a macroscope.

Depth below riverbed, in meters	Striplog	Description	Photographs of cores
0		P-s, f. to v. c. gravel and cobble, mean B-axis = 37 millimeters, max B-axis = 100 millimeters, With m. to v. c. sand	Strip log A1 a1 Strip log A1 a2 Strip log A1 b1 Strip log A1 b2
3		P-s, f. sand, with some f. gravel *Sediment sampling depth interval for chemical analysis*	Strip log A1 c1
3.7		P-s, f. to v. c. gravel and cobble, mean B-axis = 14 millimeters, max B-axis = 100 millimeters, With f. to c. sand	Strip log A1 c2 Strip log A1 d1 Strip log A1 d2 Strip log A1 d3 Strip log A1 d4 Strip log A1 e1 Strip log A1 e2 Strip log A1 e3 Strip log A1 f1 Strip log A1 f2 Strip log A1 g1 Strip log A1 g2 Strip log A1 h1 Strip log A1 h2 Strip log A1 i1 Strip log A1 i2 Strip log A1 j1
15.2			Strip log A1 j2

Figure A1. Lithologic strip log and photographs of sediment core collected at site TB-20, Kootenai River near Bonners Ferry, Idaho, 2007.

TB-19
Latitude 48.698 Longitude 116.206
Date: 07-07-2007
Depth penetrated by core: 15.2 meters
Core type: Sonic drill
Core inside diameter: 15 centimeters
Comments: Color and size of sediment were determined using the Geotechnical Gauge manufactured by W.F. McCollough. Color of samples assessed when wet. Gravelometer used to measure B-axis of gravel and cobble. Some sediment samples were viewed through a macroscope.

Depth below riverbed, in meters	Striplog	Description	Photographs of cores
0		P-s, f to v. c. gravel and cobble, mean B-axis = 14 millimeters, max B-axis = 100 millimeters, with v. f. to c. silt sand from 0.9 meters to 6.1 meters and 7.6 meters to 13.6 meters	Strip log A2 a1 Strip log A2 b1 Strip log A2 b2 Strip log A2 c1 Strip log A2 c2 Strip log A2 d1 Strip log A2 d2 Strip log A2 e1 Strip log A2 e2 Strip log A2 f1 Strip log A2 f2 Strip log A2 g1 Strip log A2 g2 Strip log A2 h1 Strip log A2 h2 Strip log A2 i1 Strip log A2 i2
15.2			

Figure A2. Lithologic strip log and photographs of sediment core collected at site TB-19, Kootenai River near Bonners Ferry, Idaho, 2007.

TB-18
Latitude 48.709 Longitude 116.222
Date: 07-07-2007
Depth penetrated by core: 15.2 meters
Core type: Sonic drill
Core inside diameter: 15 centimeters
Comments: Color and size of sediment were determined using the Geotechnical Gauge manufactured by W.F. McCollough. Color of samples assessed when wet. Gravelometer used to measure B-axis of gravel and cobble. Some sediment samples were viewed through a macroscope.

Depth below riverbed, in meters	Striplog	Description	Photographs of cores
0		P-s, f to v. c. gravel and cobble, mean B-axis = 14 millimeters, max B-axis = 100 millimeters, with m. to v. c. sand	Strip log A3 a1 Strip log A3 a2 Strip log A3 b1 Strip log A3 b2 Strip log A3 c1 Strip log A3 c2 Strip log A3 d1 Strip log A3 d2 Strip log A3 h1 Strip log A3 h2 Strip log A3 i1 Strip log A3 i2 Strip log A3 j1 Strip log A3 j2 Strip log A3 k1 Strip log A3 k2
15.2			

Figure A3. Lithologic strip log and photographs of sediment core collected at site TB-18, Kootenai River near Bonners Ferry, Idaho, 2007.

TB-17
Latitude 48.710 Longitude 116.222
Date: 07-07-2007
Depth penetrated by core: 15.2 meters
Core type: Sonic drill
Core inside diameter: 15 centimeters
Comments: Sand and finer grained sediment were sampled from one or more depth intervals, each subsample was combined and mixed vigorously forming a single composite sample for the core site for chemical analysis. Color and size of sediment were determined using the Geotechnical Gauge manufactured by W.F. McCollough. Color of samples assessed when wet. Gravelometer used to measure B-axis of gravel and cobble. Some sediment samples were viewed through a macroscope.

Depth below riverbed, in meters	Striplog	Description	Photographs of cores
0			Strip log A4 a1
			Strip log A4 a2
		P-s, m. gravel, mean B-axis = 27 millimeters, max B-axis = 60 millimeters,	Strip log A4 b1
			Strip log A4 b2
			Strip log A4 c1
			Strip log A4 c2
			Strip log A4 e1
			Strip log A4 e2
			Strip log A4 f1
			Strip log A4 f2
9.2			
		M. sand, transition to gravel at 10.5 meters	Strip log A4 g1
10.7		*Sediment sampling depth interval for chemical analysis*	Strip log A4 g2
			Strip log A4 h1
			Strip log A4 h2
		P-s, gravel, mean B-axis = 18 millimeters, max B-axis = 65 millimeters, 0.2 meter layer of sand from 12.2 meters to 12.4 meters	Strip log A4 i1
			Strip log A4 i2
15.2			

Figure A4. Lithologic strip log and photographs of sediment core collected at site TB-17, Kootenai River near Bonners Ferry, Idaho, 2007.

TB-16
Latitude 48.702 Longitude 116.243
Date: 07-10-2007
Depth penetrated by core: 15.2 meters
Core type: Sonic drill
Core inside diameter: 15 centimeters
Comments: Sand and finer grained sediment were sampled from one or more depth intervals, each subsample was combined and mixed vigorously forming a single composite sample for the core site for chemical analysis. Color and size of sediment were determined using the Geotechnical Gauge manufactured by W.F. McCollough. Color of samples assessed when wet. Gravelometer used to measure B-axis of gravel and cobble. Some sediment samples were viewed through a macroscope.

Depth below riverbed, in meters	Striplog	Description	Photographs of cores
0		P-s, m. gravel mean millimeters B-axis = 30 millimeters, max B-axis = 70 millimeters, Some sand	Strip log A5 a1 Strip log A5 a2
4.6		P-s, gravel and cobble, mean B-axis = 17 millimeters, max B-axis = 150 millimeters, Some c. sand	
12.2		P-s, c. silt sand	
13		*Sediment sampling depth interval for chemical analysis*	
		P-s, gravel and cobble, mean B-axis = 14 millimeters, max B-axis = 100 millimeters	
15.2			

Figure A5. Lithologic strip log and photographs of sediment core collected at site TB-16, Kootenai River near Bonners Ferry, Idaho, 2007.

TB-15
Latitude 48.703 Longitude 116.267
Date: 07-10-2007
Depth penetrated by core: 15.2 meters
Core type: Sonic drill
Core inside diameter: 15 centimeters
Comments: Sand and finer grained sediment were sampled from one or more depth intervals, each subsample was combined and mixed vigorously forming a single composite sample for the core site for chemical analysis. Color and size of sediment were determined using the Geotechnical Gauge manufactured by W.F. McCollough. Color of samples assessed when wet. Gravelometer used to measure B-axis of gravel and cobble. Some sediment samples were viewed through a macroscope.

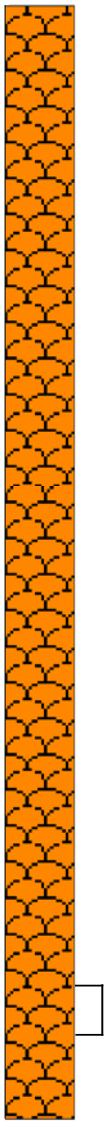
Depth below riverbed, in meters	Striplog	Description
0		P-s, gravel and cobble, mean B-axis = 18 millimeters, max B-axis = 110 millimeters, Some sand *Sediment sampling depth interval for chemical analysis* 0.2 meter layer silt sand from 13.6 meters to 13.8 meters
15.2		

Figure A6. Lithologic strip log of sediment core collected at site TB-15, Kootenai River near Bonners Ferry, Idaho, 2007.

TB-14
Latitude 48.698 Longitude 116.267
Date: 07-11-2007
Depth penetrated by core: 15.2 meters
Core type: Sonic drill
Core inside diameter: 15 centimeters
Comments: Color and size of sediment were determined using the Geotechnical Gauge manufactured by W.F. McCollough. Color of samples assessed when wet. Gravelometer used to measure B-axis of gravel and cobble. Some sediment samples were viewed through a macroscope.

Depth below riverbed, in meters	Striplog	Description
0		P-s, gravel and cobble, mean B-axis = 15 millimeters, max B-axis = 100 millimeters
3		
		P-s, gravel, mean B-axis = 25 millimeters, max B-axis = 70 millimeters
5.5		
		P-s, gravel and cobble, mean B-axis = 18 millimeters max B-axis = 110 millimeters
15.2		

Figure A7. Lithologic strip log of sediment core collected at site TB-14, Kootenai River near Bonners Ferry, Idaho, 2007.

TB-13
Latitude 48.701 Longitude 116.279
Date: 07-11-2007
Depth penetrated by core: 15.2 meters
Core type: Sonic drill
Core inside diameter: 15 centimeters
Comments: Sand and finer grained sediment were sampled from one or more depth intervals, each subsample was combined and mixed vigorously forming a single composite sample for the core site for chemical analysis. Color and size of sediment were determined using the Geotechnical Gauge manufactured by W.F. McCollough. Color of samples assessed when wet. Gravelometer used to measure B-axis of gravel and cobble. Some sediment samples were viewed through a macroscope.

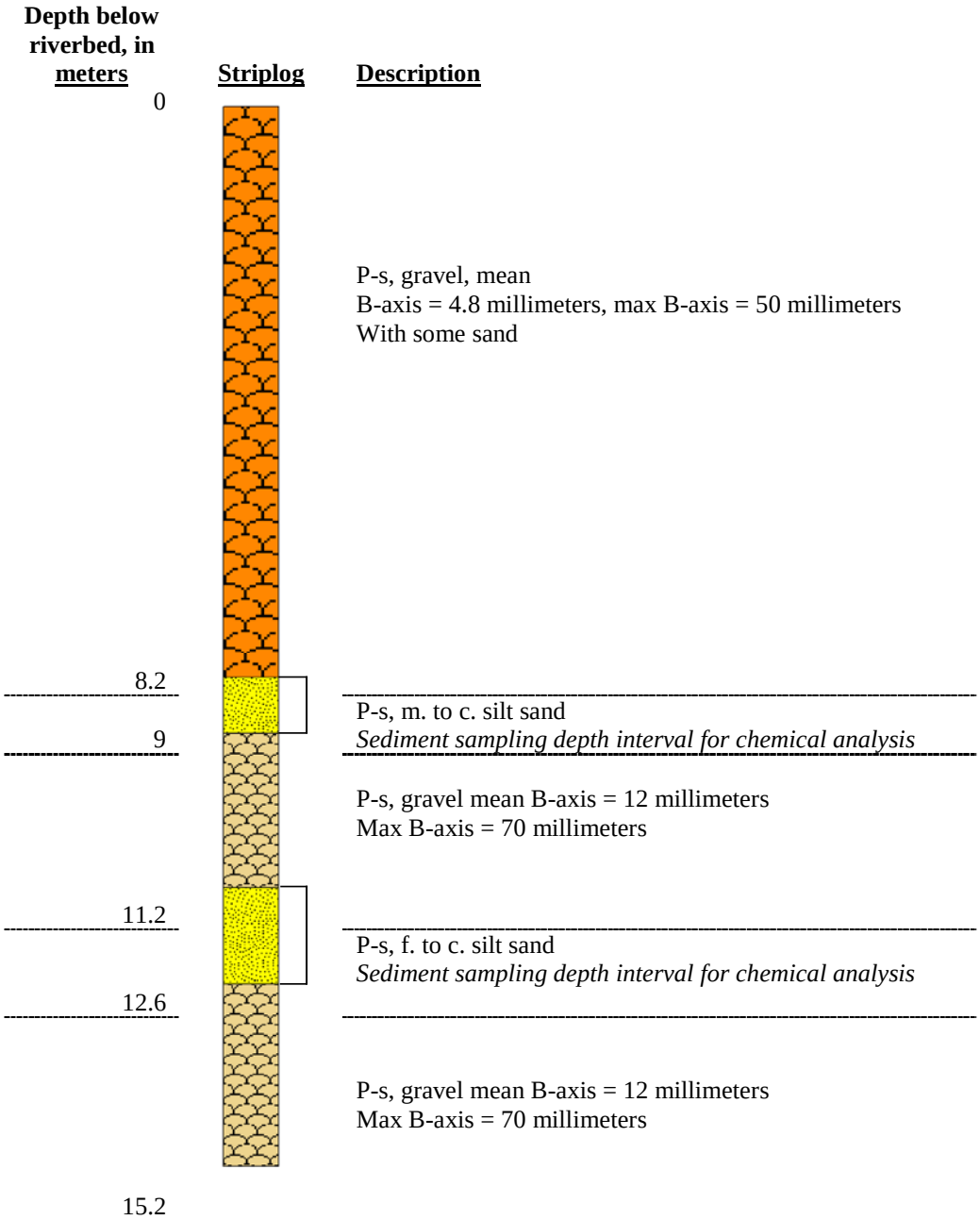


Figure A8. Lithologic strip log of sediment core collected at site TB-13, Kootenai River near Bonners Ferry, Idaho, 2007.

TB-12
Latitude 48.701 Longitude 116.290
Date: 07-11-2007
Depth penetrated by core: 15.2 meters
Core type: Sonic drill
Core inside diameter: 15 centimeters
Comments: Sand and finer grained sediment were sampled from one or more depth intervals, each subsample was combined and mixed vigorously forming a single composite sample for the core site for chemical analysis. Color and size of sediment were determined using the Geotechnical Gauge manufactured by W.F. McCollough. Color of samples assessed when wet. Gravelometer used to measure B-axis of gravel and cobble. Some sediment samples were viewed through a macroscope.

Depth below riverbed, in meters	Striplog	Description
0		p-s, gravel mean B-axis = 15 millimeters Max B-axis = 55 millimeters
4		*Sediment sampling depth interval for chemical analysis*
		Olive greenish gray, clay
5.2		*Sediment sampling depth interval for chemical analysis*
		p-s, gravel mean B-axis = 17 millimeters Max B-axis = 120 millimeters
15.2		

Figure A9. Lithologic strip log of sediment core collected at site TB-12, Kootenai River near Bonners Ferry, Idaho, 2007.

TB-11
Latitude 48.700 Longitude 116.311
Date: 06-27-2007
Depth penetrated by core: 15.2 meters
Core type: Sonic drill
Core inside diameter: 15 centimeters
Comments: Sand and finer grained sediment were sampled from one or more depth intervals, each subsample was combined and mixed vigorously forming a single composite sample for the core site for chemical analysis. Color and size of sediment were determined using the Geotechnical Gauge manufactured by W.F. McCollough. Color of samples assessed when wet. Gravelometer used to measure B-axis of gravel and cobble. Some sediment samples were viewed through a macroscope.

Depth below riverbed, in meters	Striplog	Description	Photographs of cores
0			Strip log A10 a1
		p-s, f. to m. silt sand	Strip log A10 a2
0.7		*Sediment sampling depth interval for chemical analysis*	Strip log A10 a3
			Strip log A10 b1
			Strip log A10 b2
		p-s, gravel mean B-axis = 18 millimeters Max B-axis = 50 millimeters, with some sand	Strip log A10 c1
			Strip log A10 c2
			Strip log A10 c3
			Strip log A10 d1
5.8			Strip log A10 d2
6.1		p-s, f. to m. silt sand	
			Strip log A10 e1
		p-s, gravel mean B-axis = 16 millimeters Max B-axis = 100 millimeters	Strip log A10 e2
8.2			Strip log A10 f1
		p-s, f. to m. silt sand, some m. gravel	Strip log A10 f2
9.2			
		p-s, gravel mean B-axis = 33 millimeters Max B-axis = 65 millimeters	Strip log A10 g1
10.6			Strip log A10 g2
			Strip log A10 h1
		p-s, gravel mean B-axis = 17 millimeters Max B-axis = 100 millimeters, sand from 10.7 meters to 12.2 meters	Strip log A10 h2
			Strip log A10 h3
			Strip log A10 i1
			Strip log A10 i2
			Strip log A10 i3
			Strip log A10 j1
			Strip log A10 j2
15.2			Strip log A10 k1

Figure A10. Lithologic strip log and photographs of sediment core collected at site TB-11, Kootenai River near Bonners Ferry, Idaho, 2007.

TB-7
Latitude 48.698 Longitude 116.317
Date: 06-27-2007
Depth penetrated by core: 15.2 meters
Core type: Sonic drill
Core inside diameter: 15 centimeters
Comments: Sand and finer grained sediment were sampled from one or more depth intervals, each subsample was combined and mixed vigorously forming a single composite sample for the core site for chemical analysis. Color and size of sediment were determined using the Geotechnical Gauge manufactured by W.F. McCollough. Color of samples assessed when wet. Gravelometer used to measure B-axis of gravel and cobble. Some sediment samples were viewed through a macroscope.

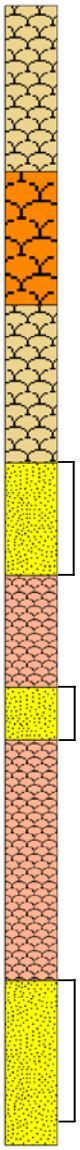
Depth below riverbed, in meters	Striplog	Description	Photographs of cores
0			Strip log A11 a1
		p-s, gravel, mean B-axis = 20millimeters *Max B-axis = 50 millimeters*	Strip log A11 a2
2.2			
		p-s, gravel and cobble, mean B-axis = 16millimeters, max B-axis = 100 millimeters	Strip log A11 b1 Strip log A11 b2
4			
		p-s, m. c. gravel, mean B-axis = 30millimeters, max B-axis = 50 millimeters	Strip log A11 c1 Strip log A11 c2
6.1			
		Light brown, w-s, silt sand *Sediment sampling depth interval for chemical analysis*	Strip log A11 d1
7.6			
		p-s, f. to m. gravel,	Strip log A11 d2
9.1			
9.8		Light brown, w-s, f. to m. silt sand *Sediment sampling depth interval for chemical analysis*	Strip log A11 f1
		p-s, f. to m. grave, trace of sand	Strip log A11 f2
13			
		Light brown, f. to c. sand, few gravels *Sediment sampling depth interval for chemical analysis*	
15.2			

Figure A11. Lithologic strip log and photographs of sediment core collected at site TB-7, Kootenai River near Bonners Ferry, Idaho, 2007.

TB-9
Latitude 48.698 Longitude 116.318
Date: 06-26-2007
Depth penetrated by core: 15.2 meters
Core type: Sonic drill
Core inside diameter: 15 centimeters
Comments: Sand and finer grained sediment were sampled from one or more depth intervals, each subsample was combined and mixed vigorously forming a single composite sample for the core site for chemical analysis. Color and size of sediment were determined using the Geotechnical Gauge manufactured by W.F. McCollough. Color of samples assessed when wet. Gravelometer used to measure B-axis of gravel and cobble. Some sediment samples were viewed through a macroscope.

Depth below riverbed, in meters	Striplog	Description	Photographs of cores
0			Strip log A12 a1
			Strip log A12 a2
		p-s, f. to m. clean gravel, Darker zone at 4 meters containing sand	Strip log A12 b1
			Strip log A12 b2
			Strip log A12 c1
			Strip log A12 c2
4.7			Strip log A12 c3
		Woody debris with f. sand,	
5		*Sediment sampling depth interval for chemical analysis*	Strip log A12 d1
			Strip log A12 d2
			Strip log A12 d3
			Strip log A12 e1
			Strip log A12 e2
		p-s, c. gravel and cobbles With f. sand from 9.2 meters to 12.2 meters and 14.6 meters to 15.2 meters	Strip log A12 e3
			Strip log A12 f1
			Strip log A12 f2
			Strip log A12 g1
			Strip log A12 g2
			Strip log A12 h1
			Strip log A12 h2
			Strip log A12 i2
15.2			Strip log A12 j1

Figure A12. Lithologic strip log and photographs of sediment core collected at site TB-9, Kootenai River near Bonners Ferry, Idaho, 2007.

TB-8
Latitude 48.697 Longitude 116.321
Date: 06-26-2007
Depth penetrated by core: 15.2 meters
Core type: Sonic drill
Core inside diameter: 15 centimeters
Comments: Sand and finer grained sediment were sampled from one or more depth interval, each subsample was combined and mixed vigorously forming a single composite sample for the core site for chemical analysis. Color and size of sediment were determined using the Geotechnical Gauge manufactured by W.F. McCollough. Color of samples assessed when wet. Gravelometer used to measure B-axis of gravel and cobble. Some sediment samples were viewed through a macroscope.

Depth below riverbed, in meters	Striplog	Description	Photographs of cores
0			Strip log A13 a1
			Strip log A13 a2
		p-s, gravel, mean B-axis = 20millimeters Max B-axis = 50 millimeters, some sand	
			Strip log A13 b1
			Strip log A13 b2
			Strip log A13 c1
			Strip log A13 c2
			Strip log A13 d1
5.5			
		Sediment sampling depth interval for chemical analysis Alluvial deposit, light brown, w-s, silt sand	Strip log A13 d2
			Strip log A13 e1
6.7		*Sediment sampling depth interval for chemical analysis*	
			Strip log A13 e2
		p-s, gravel, mean B-axis = 25millimeters Max B-axis = 80 millimeters	Strip log A13 e3 Strip log A13 f1 Strip log A13 f2
9.2			Strip log A13 f3
			Strip log A13 g1
		Light brown, m. w-s, silt sand	
			Strip log A13 g2
		Sediment sampling depth interval for chemical analysis	
			Strip log A13 h1
			Strip log A13 h2
12.6			
			Strip log A13 i1
			Strip log A13 i2
		p-s, gravel, mean B-axis = 25millimeters	Strip log A13 j1
15.2		Max B-axis = 80 millimeters, some sand	

Figure A13. Lithologic strip log and photographs of sediment core collected at site TB-8, Kootenai River near Bonners Ferry, Idaho, 2007.

TB-5
Latitude 48.697 Longitude 116.324
Date: 06-22-2007
Depth penetrated by core: 15.2 meters
Core type: Sonic drill
Core inside diameter: 15 centimeters
Comments: Sand and finer grained sediment were sampled from one or more depth intervals, each subsample was combined and mixed vigorously forming a single composite sample for the core site for chemical analysis. Color and size of sediment were determined using the Geotechnical Gauge manufactured by W.F. McCollough. Color of samples assessed when wet. Gravelometer used to measure B-axis of gravel and cobble. Some sediment samples were viewed through a macroscope.

Depth below riverbed, in meters	Striplog	Description	Photographs of cores
0			Strip log A14 a1
		Mottled. p-s, gravel, mean B-axis = 32 millimeters, max B-axis = 65 millimeters	Strip log A14 a2
2.7			Strip log A14 a3
			Strip log A14 b1
		Mottled. p-s, gravel, mean B-axis = 22 millimeters, max B-axis = 90 millimeters	Strip log A14 b2
			Strip log A14 b3
6.1			
			Strip log A14 c1
		Mottled. p-s, gravel, mean B-axis = 22 millimeters, max B-axis = 65 millimeters	Strip log A14 c2
			Strip log A14 c3
9.1			
		Light brown, w-s, silt sand *Sediment sampling depth interval for chemical analysis*	
9.7			
		Mottled. p-s, gravel, mean B-axis = 22 millimeters, max B-axis = 120 millimeters	
15.2			

Figure A14. Lithologic strip log and photographs of sediment core collected at site TB-5, Kootenai River near Bonners Ferry, Idaho, 2007.

TB-6
Latitude 48.697 Longitude 116.324
Date: 06-22-2007
Depth penetrated by core: 15.2 meters
Core type: Sonic drill
Core inside diameter: 15 centimeters
Comments: Color and size of sediment were determined using the Geotechnical Gauge manufactured by W.F. McCollough. Color of samples assessed when wet. Gravelometer used to measure B-axis of gravel and cobble. Some sediment samples were viewed through a macroscope.

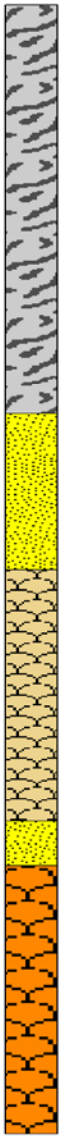
Depth below riverbed, in meters	Striplog	Description	Photographs of cores
0			Strip log A15 a1
			Strip log A15 a2
		Woody debris with fine sands	
			Strip log A15 b1
			Strip log A15 b2
5.5			Strip log A15 b3
		Light brown, w-s, silt sand, some organic	Strip log A15 c1
7.6			Strip log A15 c2
			Strip log A15 c3
		Mottled. p-s, gravel, mean B-axis = 16 millimeters, max B-axis = 65 millimeters	Strip log A15 d1
			Strip log A15 d2
11			Strip log A15 d3
11.6		Light brown, w-s, silt sand, some f. gravel at base of section	Strip log A15 e1
			Strip log A15 e2
		Mottled. p-s, gravel, mean B-axis = 11 millimeters, max B-axis = 120 millimeters, some sand	Strip log A15 e3
15.2			

Figure A15. Lithologic strip log and photographs of sediment core collected at site TB-6, Kootenai River near Bonners Ferry, Idaho, 2007.

TB-4
Latitude 48.696 Longitude 116.327
Date: 06-21-2007
Depth penetrated by core: 4.6 meters
Core type: Sonic drill
Core inside diameter: 15 centimeters
Comments: Shallow bedrock was reached at 4.6 meters, a new site was created at TB-24. Color and size of sediment were determined using the Geotechnical Gauge manufactured by W.F. McCollough. Color of samples assessed when wet. Gravelometer used to measure B-axis of gravel and cobble. Some sediment samples were viewed through a macroscope.

Depth below riverbed, in meters	Striplog	Description	Photographs of cores
0			Strip log A16 a1
		Mottled. p-s, gravel, mean B-axis = 22 millimeters, max B-axis = 120 millimeters	Strip log A16 a2
0.8			Strip log A16 b1
		Bedrock	
			Strip log A16 b2
1.5			
			Strip log A16 c1
		Mottled. p-s, gravel, mean B-axis = 65 millimeters, max B-axis = 128 millimeters	Strip log A16 c2
2.1			
		Bedrock, weathered	
4.6			

Figure A16. Lithologic strip log and photographs of sediment core collected at site TB-4, Kootenai River near Bonners Ferry, Idaho, 2007.

TB-24
Latitude 48.696 Longitude 116.327
Date: 06-21-2007
Depth penetrated by core: 12.5 meters
Core type: Sonic drill
Core inside diameter: 15 centimeters
Comments: A new site was created to find an area without shallow bedrock (see striplog TB-4). Color and size of sediment were determined using the Geotechnical Gauge manufactured by W.F. McCollough. Color of samples assessed when wet. Gravelometer used to measure B-axis of gravel and cobble. Some sediment samples were viewed through a macroscope.

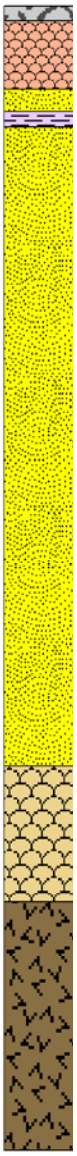
Depth below riverbed, in meters	Striplog	Description	Photographs of cores
0 – 0.2		Woody debris, f. sand and m. gravel	Strip log A17 a1
1.1		f. to m. gravel	Strip log A17 a2
1.4		f. to m. silt sand	
1.6		Clay	Strip log A17 b1
			Strip log A17 b2
			Strip log A17 c1
		f. to m. sand with some m. to c. gravel Scattered with cobbles and woody debris	
			Strip log A17 c2
			Strip log A17 d1
			Strip log A17 d2
			Strip log A17 e1
			Strip log A17 e2
			Strip log A17 f1
10.1			
		m. to v. c. gravel 0.8 meter layer f. to m. sand at 11 meters	
11.9			Strip log A17 f2
			Strip log A17 g1
		Bedrock, weathered from 11.9 meters to 12 meters Bedrock crushed by coring 12 meters to 12.5 meters	
			Strip log A17 g2
15.2			Strip log A17 h1

Figure A17. Lithologic strip log and photographs of sediment core collected at site TB-24, Kootenai River near Bonners Ferry, Idaho, 2007.

TB-3
Latitude 48.659 Longitude 116.328
Date: 06-22-2007
Depth penetrated by core: 15.2 meters
Core type: Sonic drill
Core inside diameter: 15 centimeters
Comments: Color and size of sediment were determined using the Geotechnical Gauge manufactured by W.F. McCollough. Color of samples assessed when wet. Gravelometer used to measure B-axis of gravel and cobble. Some sediment samples were viewed through a macroscope. Only 20 percent recovery from 0-3 meters, see TB-3-2 for a complete description from 0-3 meters.

Depth below riverbed, in meters	Striplog	Description	Photographs of cores
0		Alluvial deposit, olive gray, w-s, f. to m. silt sand Some woody debris Only 20 percent recovery	Strip log A18 a1 Strip log A18 a2 Strip log A18 b1
3		M to v. c. gravel, mean B- axis = 22 millimeters, max B-axis = 64 millimeters	Strip log A18 b2 Strip log A18 c1
3.4			
4.3		Olive gray, w-s, f. to m. silt sand	Strip log A18 c2 Strip log A18 d1 Strip log A18 d2 Strip log A18 e1
		p-s, gravel, max B-axis = 76 millimeters, with v. f. silt sand	Strip log A18 e2 Strip log A18 f1 Strip log A18 f2 Strip log A18 g1 Strip log A18 g2 Strip log A18 h1 Strip log A18 h2 Strip log A18 i1 Strip log A18 i2
12.2			
		Dark olive gray, w-s, v. f. to f. silt sand	
13.4			
15.2		Mottled. p-s, gravel Mean B-axis = 22 millimeters, max B-axis = 90 Millimeters	

Figure A18. Lithologic strip log and photographs of sediment core collected at site TB-3, Kootenai River near Bonners Ferry, Idaho, 2007.

TB-3-2
Latitude 48.695 Longitude 116.325
Date: 07-12-2007
Depth penetrated by core: 7.6 meters
Core type: Sonic drill
Core inside diameter: 15 centimeters
Comments: Sand and finer grained sediment were sampled from one or more depth intervals, each subsample was combined and mixed vigorously forming a single composite sample for the core site for chemical analysis. Color and size of sediment were determined using the Geotechnical Gauge manufactured by W.F. McCollough. Color of samples assessed when wet. Gravelometer used to measure B-axis of gravel and cobble. Some sediment samples were viewed through a macroscope.

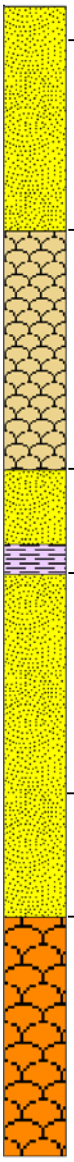
Depth below riverbed, in meters	Striplog	Description
0		Alluvial deposit, olive gray, w-s, f. to m. silt sand, Woody debris *Sediment sampling depth interval for chemical analysis*
1.5		M to v. c. gravel, mean B- axis = 22 millimeters, max B-axis 64 millimeters, Some sand
3.1		Olive gray, w-s, f. to m. silt sand *Sediment sampling depth interval for chemical analysis*
3.6		
3.8		Clay some silt
		Dark olive gray, w-s, v. f. to f. silt sand *Sediment sampling depth interval for chemical analysis* *Sediment sampling depth interval for chemical analysis*
6.1		Mottled. p-s, gravel, mean B-axis = 22millimeters, max B-axis 90 millimeters, Some sand
7.6		

Figure A19. Lithologic strip log of sediment core collected at site TB-3-2, Kootenai River near Bonners Ferry, Idaho, 2007.

TB-2
Latitude 48.695 Longitude 116.330
Date: 06-20-2007
Depth penetrated by core: 15.2 meters
Core type: Sonic drill
Core inside diameter: 15 centimeters
Comments: Color and size of sediment were determined using the Geotechnical Gauge manufactured by W.F. McCollough. Color of samples assessed when wet. Gravelometer used to measure B-axis of gravel and cobble. Some sediment samples were viewed through a macroscope.

Depth below riverbed, in meters	Striplog	Description	Photographs of cores
0		Dark olive brown, p-s. m to v. c. Gravel, mean B- axis = 16 millimeters, Max B-axis = 64 millimeters, some sand with layers of Woody debris	Strip log A20 a1 Strip log A20 b1 Strip log A20 c1 Strip log A20 c2
4.8		Olive gray, w-s, f. to m. silt sand	Strip log A20 d1
7.6		Mottled, p-s, gravel, mean B-axis = 45 millimeter, max B-axis = 90 millimeters	Strip log A20 d2
9.1		Dark olive gray, w-s, v. f. to f. silt sand	Strip log A20 e1
11		Mottled. p-s, gravel, Mean B-axis = 22 millimeter max B-axis = 90 millimeters Some sand	Strip log A20 f1 Strip log A20 g1
14.7			Strip log A20 h1
15.2		Dark olive gray, w-s, v. f. to f. silt sand	

Figure A20. Lithologic strip log and photographs of sediment core collected at site TB-2, Kootenai River near Bonners Ferry, Idaho, 2007.

TB-1
Latitude 48.699 Longitude 116.339
Date: 06-20-2007
Depth penetrated by core: 14.3 meters
Core type: Sonic drill
Core inside diameter: 15 centimeters
Comments: No core recovered from surface of riverbed to a depth of 3.7 meters. Color and sizes of sediment were determined using the Geotechnical Gauge manufactured by W.F. McCollough. Color of samples assessed when wet. Gravelometer used to measure B-axis of gravel and cobble. Some sediment samples were viewed through a macroscope.

Depth below riverbed, in meters	Striplog	Description	Photographs of cores
0		Dark greenish gray, v. f. to m. silt sand,	Strip log A21 a1 Strip log A21 a2
5.7			
5.9		Clay, cohesive, dark greenish gray, plastic	
		Dark greenish gray, v. f. to f. silt sand	Strip log A21 a3 Strip log A21 a4
8.2			
8.5		Clay, cohesive, dense, plastic	
8.6		Dark greenish gray, v. f. to f. silt sand	
		M. to v. c. gravel, mean B-axis =16 millimeters, max. B-axis = 45 millimeters, With some f. sand	
11			
		Dark greenish gray, v. f. to f. silt sand	
11.8			
		F. to c. gravel, mean B-axis =16 millimeters, max B-axis = 45 millimeters, With some f. sand	
14.3			

Figure A21. Lithologic strip log and photographs of sediment core collected at site TB-1, Kootenai River near Bonners Ferry, Idaho, 2007.

TB-21
Latitude 48.739 Longitude 116.407
Date: 06-24-2007
Depth penetrated by core: 15.2 meters
Core type: Sonic drill
Core inside diameter: 15 centimeters
Comments: Sand and finer grained sediment were sampled from one or more depth intervals, each subsample was combined and mixed vigorously forming a single composite sample for the core site for chemical analysis. Color and size of sediment were determined using the Geotechnical Gauge manufactured by W.F. McCollough. Color of samples assessed when wet. Gravelometer used to measure B-axis of gravel and cobble. Some sediment samples were viewed through a macroscope.

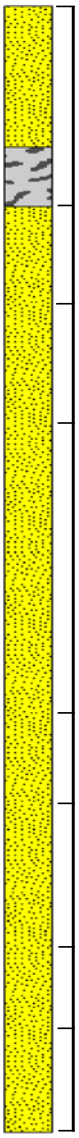
Depth below riverbed, in meters	Striplog	Description	Photographs of cores
0		Alluvial deposit, w-s, f. sand	Strip log A22 a
		Sediment sampling depth interval for chemical analysis	
1.9		Woody debris with f. sand	
2.7		Alluvial deposit, olive gray, v. f. to m. silt sand	Strip log A22 a1
		Sediment sampling depth interval for chemical analysis	Strip log A22 a2
			Strip log A22 a3
			Strip log A22 a4
		Sediment sampling depth interval for chemical analysis	Strip log A22 a5
			Strip log A22 a6
			Strip log A22 a7
		Sediment sampling depth interval for chemical analysis	Strip log A22 a8
		Sediment sampling depth interval for chemical analysis	
		Sediment sampling depth interval for chemical analysis	
		Sediment sampling depth interval for chemical analysis	
		Sediment sampling depth interval for chemical analysis	
15.2			

Figure A22. Lithologic strip log and photographs of sediment core collected at site TB-21, Kootenai River near Bonners Ferry, Idaho, 2007.

TB-22
Latitude 48.741 Longitude 116.415
Date: 06-24-2007
Depth penetrated by core: 15.2 meters
Core type: Sonic drill
Core inside diameter: 15 centimeters
Comments: Sand and finer grained sediment were sampled from one or more depth intervals, each subsample was combined and mixed vigorously forming a single composite sample for the core site for chemical analysis. Color and size of sediment were determined using the Geotechnical Gauge manufactured by W.F. McCollough. Color of samples assessed when wet. Gravelometer used to measure B-axis of gravel and cobble. Some sediment samples were viewed through a macroscope.

Depth below riverbed, in meters	Striplog	Description	Photographs of cores
0 – 0.1		w-s, f. sand	Strip log A23 a1
		Sediment sampling depth interval for chemical analysis	
		f. to m. gravel, with f. to c. sand	Strip log A23 a2 Strip log A23 a3
			Strip log A23 b1
3			
		Alluvial deposit, olive gray, v. f. to m. silt sand	Strip log A23 b2
4		*Sediment sampling depth interval for chemical analysis*	
			Strip log A23 b3
		f. to m. gravel, with f. sand	Strip log A23 c1
		0.2 meter sand layer at 5.5 meters	Strip log A23 c2
			Strip log A23 c3
		Sediment sampling depth interval for chemical analysis	Strip log A23 d1
			Strip log A23 d2
8.5			
		Sediment sampling depth interval for chemical analysis	Strip log A23 e1
		Alluvial deposit, olive gray, v. f. to m. silt sand	
9.8		*Sediment sampling depth interval for chemical analysis*	
		Alluvial deposit, f. to m. gravel, with some f. sand	Strip log A23 e2
10.7			
		Alluvial deposit, olive gray, v. f. to m. silt sand	Strip log A23 f1
11.3		*Sediment sampling depth interval for chemical analysis*	
			Strip log A23 f2
		m. to v. c. gravel, mean B-axis = 40 millimeters, max B-axis = 75 millimeters	Strip log A23 g1
			Strip log A23 g2
			Strip log A23 h1
			Strip log A23 h2
15.2			

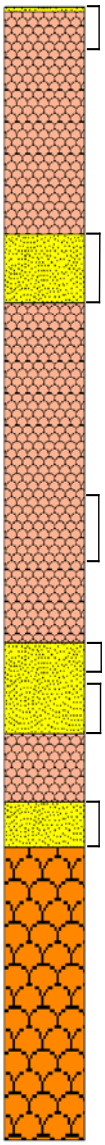


Figure A23. Lithologic strip log and photographs of sediment core collected at site TB-22, Kootenai River near Bonners Ferry, Idaho, 2007.

TB-23
Latitude 48.759 Longitude 116.392
Date: 06-28-2007
Depth penetrated by core: 15.2 meters
Core type: Sonic drill
Core inside diameter: 15 centimeters
Comments: Sand and finer grained sediment were sampled from one or more depth intervals, each subsample was combined and mixed vigorously forming a single composite sample for the core site for chemical analysis. Color and size of sediment were determined using the Geotechnical Gauge manufactured by W.F. McCollough. Color of samples assessed when wet. Gravelometer used to measure B-axis of gravel and cobble. Some sediment samples were viewed through a macroscope.

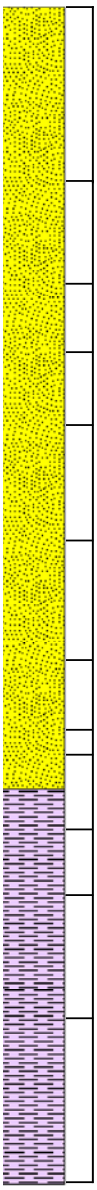
Depth below riverbed, in meters	Striplog	Description	Photographs of cores
0			Strip log A24 a1
		Alluvial deposit, brown to brownish gray, v. f. to m. sand With wood debris	Strip log A24 a2
			Strip log A24 b1
		Sediment sampling depth interval for chemical analysis	Strip log A24 b2
			Strip log A24 c1
		Sediment sampling depth interval for chemical analysis	Strip log A24 c2
			Strip log A24 d1
		Sediment sampling depth interval for chemical analysis	Strip log A24 e1
		Sediment sampling depth interval for chemical analysis	Strip log A24 e2
			Strip log A24 f1
		Sediment sampling depth interval for chemical analysis	Strip log A24 f2
			Strip log A24 g1
		Sediment sampling depth interval for chemical analysis	
			Strip log A24 g2
			Strip log A24 h1
		Sediment sampling depth interval for chemical analysis	Strip log A24 h2
			Strip log A24 h3
10.1		*Sediment sampling depth interval for chemical analysis*	
		Sediment sampling depth interval for chemical analysis	Strip log A24 i1
		Sediment sampling depth interval for chemical analysis	Strip log A24 i2
		Lacustrine deposit, greenish gray, clay	Strip log A24 j1
			Strip log A24 j2
		Sediment sampling depth interval for chemical analysis	
			Strip log A24 j3
			Strip log A24 k1
		Sediment sampling depth interval for chemical analysis	
15.2			Strip log A24 k2

Figure A24. Lithologic strip log and photographs of sediment core collected at site TB-23, Kootenai River near Bonners Ferry, Idaho, 2007.