Appendix E. Lithology logs for Multilevel Groundwater Monitoring Boreholes USGS 105, USGS 108, and USGS 135, Idaho National Laboratory, Idaho, 2009–10.

[Depth interval limits in feet below land surface (ft bls). **Unit type** indicates the geologic material type associated with the lithologic unit, where DB is dense basalt, FB is fractured basalt, and S is sediment. Lithology logs for Multilevel Groundwater Monitoring Boreholes USGS 103, USGS 132, USGS 133, USGS 134, MIDDLE 2050A, and MIDDLE 2051 are provided in Fisher and Twining (2011)]

Depth interval			Unit type
Top (ft bls)	Bottom (ft bls)	Length (ft)	
USGS 108 lithology log			
600	625	25	FB
625	638	13	DB
638	650	12	FB
650	665	15	DB
665	682	17	FB
682	693	11	DB
693	700	7	FB
700	713	13	DB
713	730	17	FB
730	735	5	DB
735	745	10	FB
745	755	10	DB
755	767	12	FB
767	800	33	DB
800	815	15	FB
815	838	23	DB
838	846	8	FB
846	854	8	DB
854	858	4	S
858	862	4	FB
862	872	10	DB
872	878	6	FB
878	882	4	S
882	888	6	FB
888	893	5	S
893	914	21	DB
914	915	1	FB
915	928	13	DB
928	946	18	FB
946	954	8	DB
954	972	18	FB
972	985	13	DB
985	1,000	15	FB
1,000	1,007	7	S
1,007	1,012	5	FB
1,012	1,021	9	DB
1,021	1,046	25	FB
1,046	1,049	3	DB
1,049	1,061	12	FB
1,061	1,068	7	DB
1,068	1,073	5	FB
1,073	1,079	6	DB

Depth interval			Unit type
Top (ft bls)	Bottom (ft bls)	Length (ft)	
USGS 108 lithology log—Continued			
1,079	1,096	17	FB
1,096	1,103	7	DB
1,103	1,106	3	S
1,106	1,110	4	FB
1,110	1,141	31	DB
1,141	1,147	6	FB
1,147	1,169	22	DB
1,169	1,173	4	S
1,173	1,174	1	FB
1,174	1,184	10	DB
1,184	1,195	11	FB
1,195	1,200	5	DB
USGS 105 lithology log			
700	710	10	DB
710	803	93	FB
803	810	7	DB
810	816	7	FB
816	818	2	S
818	825	7	DB
825	826	1	FB
826	847	21	DB
847	854	7	FB
854	873	19	DB
873	877	4	S
877	879	2	FB
879	883	4	S
883	886	3	DB
886	896	10	FB
896	910	14	DB
910	912	2	FB
912	933	21	DB
933	938	5	FB
938	945	7	DB
945	958	13	FB
958	965	7	DB
965	973	8	FB
973	993	20	DB
993	996	3	S
996	1,017	21	DB
1,017	1,019	2	FB
1,019	1,022	3	DB

Depth interval			Unit type
Top (ft bls)	Bottom (ft bls)	Length (ft)	
USGS 105 lithology log—Continued			
1,022	1,030	8	FB
1,030	1,038	8	DB
1,038	1,064	26	FB
1,064	1,071	7	DB
1,071	1,090	19	FB
1,090	1,115	25	DB
1,115	1,123	8	FB
1,123	1,132	9	DB
1,132	1,139	7	S
1,139	1,144	5	DB
1,144	1,153	9	FB
1,153	1,172	19	DB
1,172	1,198	26	FB
1,198	1,205	7	DB
1,205	1,210	5	FB
1,210	1,213	3	DB
1,213	1,216	3	FB
1,216	1,,230	14	DB
1,230	1235	5	FB
1,235	1,240	5	DB
1,240	1,247	7	FB
1,247	1,252	5	DB
1,252	1,254	2	S
1,254	1,262	8	FB
1,262	1,265	3	DB
1,265	1,278	13	FB
1,278	1,283	5	DB
1,283	1,290	7	FB
1,290	1,296	7	DB
1,296	1,327	31	FB
USGS 135 lithology log			
700	734	34	DB
734	744	10	FB
744	753	9	DB
753	756	3	FB
756	761	5	DB
761	763	2	FB
763	775	12	DB
775	785	10	FB
785	798	13	DB
798	801	3	FB

Appendix E. Lithology logs for Multilevel Groundwater Monitoring Boreholes USGS 105, USGS 108, and USGS 135, Idaho National Laboratory, Idaho, 2009–10.—Continued

[Depth interval limits in feet below land surface (ft bls). **Unit type** indicates the geologic material type associated with the lithologic unit, where DB is dense basalt, FB is fractured basalt, and S is sediment. Lithology logs for Multilevel Groundwater Monitoring Boreholes USGS 103, USGS 132, USGS 133, USGS 134, MIDDLE 2050A, and MIDDLE 2051 are provided in Fisher and Twining (2011)]

Depth interval			Unit type
Top (ft bls)	Bottom (ft bls)	Length (ft)	
USGS 135 lithology log—Continued			
801	811	10	DB
811	818	7	FB
818	836	18	DB
836	841	5	FB
841	844	3	DB
844	846	2	FB
846	848	2	DB
848	854	6	FB
854	855	1	S
855	856	1	FB
856	857	1	S
857	860	3	FB
860	871	11	DB
871	875	5	S
875	913	38	FB
913	916	3	DB

Depth interval			Unit type
Top (ft bls)	Bottom (ft bls)	Length (ft)	
USGS 135 lithology log—Continued			
916	919	3	FB
919	924	5	S
924	960	36	FB
960	962	2	S
962	972	10	DB
972	972	1	S
972	1,010	38	FB
1,010	1,025	15	DB
1,025	1,028	3	FB
1,028	1,062	34	DB
1,062	1,069	7	FB
1,069	1,118	49	DB
1,118	1,136	18	FB
1,136	1,143	7	DB
1,143	1,150	7	FB