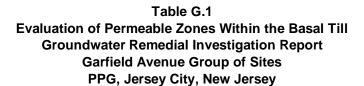
Groundwater Remedial Investigation Report, Final Garfield Avenue Group of Sites PPG, Jersey City, New Jersey

Appendix G

Evaluation of Permeable Zones within the Basal Till

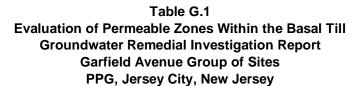


Well ID	Top (ft bgs)	Bottom (ft bgs)	USCS Code	Description	Total Basal Till Thickness (ft)	Interval Thickness (ft)	Permeable Zone Within Basal Till?
114-MW45C	65.0	70.0	SW-GW	Brown, fine to coarse SAND and fine to coarse gravel, medium dense to dense, well graded (Basal Till), damp.	6.0	5.0	No
114-MW45C	70.0	71.0	sw	Gray, tighly compressed, very dense SAND and angular gravel, some subangular pieces (Basal Till), damp.	0.0	1.0	No
114-MW48C	48.0	50.0	SW-SC	Reddish brown (5YR 5/3) clayey SAND, fine to coarse sand, little angular fine to coarse gravelclay, dense, compacted, damp (Basal Till).		2.0	No
114-MW48C	50.0	58.0	SW-SC	Reddish brown (5YR 5/3) clayey SAND, fine to coarse sand, little subrounded to subangular fine to coarse gravel, clay, damp (becomes dry to damp at 57.5' to 58') (Basal Till). Boulder at 52 ft bgs.	10.0	8.0	No
114-MW49C	49.5	60.0	SW-SC	Reddish brown (2.5YR 4/3) clayey SAND, fine to coarse sand, little subangular fine to coarse gravel (up to 2.5 inch across), very hard, dense and compacted, damp (Basal Till).		10.5	No
114-MW49C	60.0	65.0	SC	Dark reddish gray (5YR 4/2) poorly graded SAND with clay, fine to coarse angular sand with little fine to coarse gravel, varies from loose to hard, wet to moist (Basal Till).	20.5	5.0	No
114-MW49C	65.0	65.2	SP	Interbedded SAND, poorly graded sand, fine to medium sand (Basal Till).		0.2	Yes
114-MW49C	65.2	70.0	SC	Dark reddish gray (5YR 4/2) poorly graded SAND with clay, fine to coarse angular sand with little fine to coarse gravel, varies from loose to hard, wet to moist (Basal Till).		4.8	No
114-MW50C	49.0	50.0	SC-SM	Light brown (7.5YR 6/4) clayey SAND or silty SAND, fine to coarse SAND, SILT, few to little sub-angular to sub-rounded fine to coarse GRAVEL, coarse GRAVEL (up to 2" across), moist, firm (Basal Till).		1.0	No
114-MW50C	50.0	60.0	SC-SM	Dark reddish brown (2.5YR 3/3) clayey SAND or silty SAND, few to little sub-angular to sub-rounded fine to coarse GRAVEL, hard, moist (50' to 52.5') to dry (52.5' to 60') (Basal Till).	13.0	10.0	No
114-MW50C	60.0	62.0	SC	Light brown (7.5YR 6/3) sandy CLAY, little sub-angular fine to coarse GRAVEL, very firm, moist (Basal Till).		2.0	No
114-MW51C	66.5	69.5	CL	Dark reddish gray (2.5YR 4/1) sandy CLAY, angular, fine to coarse SAND, little fine to coarse GRAVEL, hard, very dense, dry (Basal Till).		3.0	No
114-MW51C	69.5	70.0	CL	Dark reddish gray (2.5YR 4/1) sandy CLAY, angular, fine to coarse SAND, little fine to coarse GRAVEL, hard, very dense, dry (Basal Till).	10.5	0.5	No
114-MW51C	70.0	76.5	CL	Dark reddish gray (2.5YR 4/1) sandy CLAY, angular, fine to coarse SAND, little fine to coarse GRAVEL, hard, very dense, dry (Basal Till).	10.5	6.5	No
114-MW51C	76.5	77.0	CL	Dark reddish gray (2.5YR 4/1) sandy CLAY, angular, fine to coarse SAND, little fine to coarse GRAVEL, hard, very dense, dry (Basal Till).		0.5	No





Well ID	Top (ft bgs)	Bottom (ft bgs)	USCS Code	Description	Total Basal Till Thickness (ft)	Interval Thickness (ft)	Permeable Zone Within Basal Till?
114-MW52C	61.5	62.0	sc	Reddish brown well graded SAND with some clay, little subrounded to subangular fine to coarse gravel, very dense, damp (Basal Till).		0.5	No
114-MW52C	62.0	64.0	SP	Reddish brown SAND with little clay, fine to coarse gravel, medium dense, damp to wet (Basal Till).		2.0	No
114-MW52C	64.0	65.0	CL	Reddish brown CLAY, medium stiff, damp to wet (Basal Till).		1.0	No
114-MW52C	65.0	65.2	SC/GC	Seam of well graded fine to coarse gravel from 65-65.2 (Basal Till).		0.2	Yes
114-MW52C	65.2	66.5	SC/GC	Reddish brown well graded SAND, fine to coarse sand, some clay, fine to coarse subangular gravel, dry to damp (Basal Till).	11.5	1.3	No
114-MW52C	66.5	70.0	SC	Bands of grey and dark brown pieces of TILL, sand, with some clay, fine to coarse gravel, loose, dry (Basal Till).		3.5	No
114-MW52C	70.0	71.5	sc	Brown (10YR 5/3) SAND with some clay, little fine to coarse gravel, damp to wet (Basal Till).		1.5	No
114-MW52C	71.5	73.0	SW-SC	Well graded SAND, fine to coarse sand with some clay, fine to coarse gravel embedded in sandy clay, very dense, dry to damp (Basal Till).		1.5	No
114-MW53C	42.0	44.0	sc	Reddish brown well graded SAND with some clay, fine to coarse sand, few to fine to coarse gravel, medium dense, damp to wet (Basal Till).		2.0	No
114-MW53C	44.0	45.0	CL/GC	Gray sandy CLAY, fine to coarse sand, some fine to coarse gravel (up to 3 inches in diameter), very dense, damp to wet (Basal Till).	3.5	1.0	No
114-MW53C	45.0	45.5	SP	Brown (7.5YR 4/3) poorly graded SAND, few silt, wet (Basal Till).		0.5	Yes
114-MW54C	63.5	66.0	SM	Reddish brown silty SAND, few fine to coarse gravel, very firm, dry (Basal Till).		2.5	No
114-MW54C	66.0	70.0	SC-SM	Light brownish gray (10YR 6/2) clayey SAND or silty sand, fine to sand, little fine to coarse gravel (up to 2.5" across), very firm, dry (Basal Till).		4.0	No
114-MW54C	70.0	75.0	SM	Dark gray (7.5YR 4/1) silty SAND, fine to coarse sand, few gravel, dry (Basal Till).	13.5	5.0	No
114-MW54C	75.0	76.0	SM	Dark gray (7.5YR 4/1) silty SAND, fine to coarse sand, few gravel, dry (Basal Till).		1.0	No
114-MW54C	76.0	77.0	ML	Clayey SILT (Basal Till).		1.0	No
114-MW55C	67.0	68.0	SC-GC	Reddish brown (5YR 5/4) clayey SAND, some sub-rounded to sub-angular fine to coarse gravel, dry (Basal Till).	1.0	1.0	No





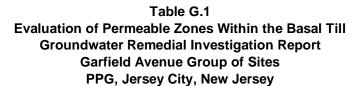
Well ID	Top (ft bgs)	Bottom (ft bgs)	USCS Code	Description	Total Basal Till Thickness (ft)	Interval Thickness (ft)	Permeable Zone Within Basal Till?
114-MW56C	53.0	54.0	SC	Reddish brown and gray clayey SAND, few fine to coarse gravel, medium dense (Basal Till).		1.0	No
114-MW56C	54.0	55.0	SP	Reddish brown SAND (Basal Till).		1.0	Yes
114-MW56C	55.0	56.0	SP	Reddish brown poorly graded medium SAND, few fine to coarse gravel, loose, wet (Basal Till).		1.0	Yes
114-MW56C	56.0	58.0	SC	Reddish brown well graded SAND with some clay, embedded with fine to coarse gravel, medium dense, damp (Basal Till). Yellow water from 57-58 ft bgs.		2.0	No
114-MW56C	58.0	60.0	SC	Gray to reddish brown clayey SAND, little fine to coarse subangular gravel, damp (Basal Till).		2.0	No
114-MW56C	60.0	60.5	SP	Reddish brown poorly graded SAND, loose, wet (Basal Till).		0.5	Yes
114-MW56C	60.5	61.0	SW	Reddish brown well graded fine to coarse SAND with little silt/clay, little subrounded fine to coarse gravel, damp (Basal Till).	19.0	0.5	No
114-MW56C	61.0	63.0	CL	Reddish brown sandy CLAY with embedded large gravel (up to 2 inches in diameter), very dense, damp to wet (Basal Till).		2.0	No
114-MW56C	63.0	65.0	SC	Well graded sand with some clay, fine to coarse sand, embedded fine gravel, dense, dry to damp (Basal Till).		2.0	No
114-MW56C	65.0	68.0	CL	Dark brown (10YR 3/3) sandy CLAY with little embedded fine to coarse gravel (up to 2.5 inches in diameter), very dense, damp (Basal Till).		3.0	No
114-MW56C	68.0	69.0	SP	Gray poorly graded SAND with little clay, fine sand, little fine to coarse gravel, dense, damp (Basal Till).		1.0	No
114-MW56C	69.0	70.0	GP	Gray broken up GRAVEL, loose, dry (Basal Till).		1.0	No
114-MW56C	70.0	72.0	CL	Brown (10YR 5/3) and gray sandy CLAY with little fine to coarse gravel, very dense, damp (Basal Till).		2.0	No
114-MW57C	59.0	60.0	ML	Reddish brown and greenish gray sandy SILT with little embedded fine to coarse gravel, dense, damp to dry (Basal Till).		1.0	No
114-MW57C	60.0	66.5	SP	Reddish brown poorly graded SAND with little silt, few medium grained sand, loose, wet (Basal Till).		6.5	Yes
114-MW57C	66.5	67.5	CL	Reddish brown CLAY with little sand, little fine to coarse gravel, loose, wet (Basal Till).	9.0	1.0	No
114-MW57C	67.5	68.0	CL	Gray sandy CLAY with embedded pieces of rock, very dense, damp (Basal Till).		0.5	No
114-MW58C	64.0	68.5	SM	Reddish brown well graded SAND with some silt, fine to coarse sand, few embedded gravel, dense, damp to wet (Basal Till).		4.5	No
114-MW58C	68.5	69.5	SC/SM	Gray clayey/silty SAND, very dense, damp (Basal Till).		1.0	No
114-MW58C	69.5	70.5	SM	Reddish brown (5YR 4/4) poorly graded SAND with some silt, fine sand, loose, damp (Basal Till).	10.0	1.0	Yes
114-MW58C	70.5	74.0	SC/SM	Reddish brown and gray clayey/silty SAND with several large pieces of gravel, damp (Basal Till).		3.5	No
114-MW59C	89.5	90.0	CL	Reddish brown CLAY with few sand and angular rock pieces, several cobbles (up to 2 inches in diameter), very dense, damp (Basal Till).		0.5	No
114-MW59C	90.0	92.5	SP	Gray SAND with little silt, with embedded fine to coarse gravel, very dense, damp to moist, dry from 92-92.5 ft bgs (Basal Till).	3.0	2.5	No



Well ID	Top (ft bgs)	Bottom (ft bgs)	USCS Code	Description	Total Basal Till Thickness (ft)	Interval Thickness (ft)	Permeable Zone Within Basal Till?
114-MW60C	93.5	100.0	ML/GM	Gray sandy SILT, fine sand, some fine to coarse gravel (diameter up to 1/4-inch), very dense, damp to dry (Basal Till).		6.5	No
114-MW60C	100.0	101.0	SM	Pinkish gray (7.5YR 6/1) silty SAND, fine sand, few silt, few fine to coarse gravel, very dense, damp (Basal Till).		1.0	No
114-MW60C	101.0	102.0	SM/SC	Gray silty/clayey SAND, fine sand, subangular fine to coarse gravel, very dense, damp (Basal Till).		1.0	No
114-MW60C	102.0	103.0	GW	Gray powder (pulverized rock) with some subangular and subrounded fine to coarse gravel, loose, dry to damp (Basal Till).		1.0	No
114-MW60C	103.0	104.0	GM	Angular gray rock pieces with some fine sandy SILT, loose, dry to damp (Basal Till).		1.0	No
114-MW60C	104.0	105.0	ML	Gray sandy SILT, fine sand with little embedded subangular fine to coarse gravel, very dense, dry to damp (Basal Till).		1.0	No
114-MW60C	105.0	106.0	GP-GM	Gray sandy SILT, interbedded with large gravel, very dense, damp. Solid core sections of till (sizes of up to 2 inch, 3 inch and 6 inch in length) (Basal Till).		1.0	No
114-MW60C	106.0	107.0	GW	Gray powder (pulverized rock) with fine to coarse GRAVEL (up to 3 inches in diameter), loose, damp (Basal Till).		1.0	No
114-MW60C	107.0	110.0	ML/SM	Very dark grayish brown (10YR 4/3) sandy SILT with subrounded to subangular fine to coarse gravel, very dense, damp (Basal Till).	26.0	3.0	No
114-MW60C	110.0	110.5	GW	Black fine to coarse GRAVEL, little silt, loose, wet (Basal Till).		0.5	Yes
114-MW60C	110.5	111.5	CL	Gray sandy CLAY with little fine to coarse gravel, loose, wet (Basal Till).		1.0	No
114-MW60C	111.5	114.0	CL	Gray sandy CLAY with few subrounded coarse gravel, very hard, dense, damp (Basal Till).		2.5	No
114-MW60C	114.0	115.0	GP	Gray subrounded coarse GRAVEL, one large gravel piece (1.5 inch in diameter), little silt, loose, damp (Basal Till).		1.0	No
114-MW60C	115.0	116.0	SP	Gray coarse SAND, fine to coarse gravel, little silt or clay, loose, wet (Basal Till).		1.0	Yes
114-MW60C	116.0	117.0	SM	Fine SAND with some silt, few medium to coarse rock pieces, loose, soft, wet (Basal Till).		1.0	Yes
114-MW60C	117.0	118.0	SM	Reddish gray (5YR 5/2) SAND with silt, dense, wet (Basal Till).		1.0	No
114-MW60C	118.0	119.0	ML	Reddish brown (5YR 5/3) sandy SILT, trace coarse sand, trace gravel, medium stiff, wet (Basal Till).		1.0	Yes
114-MW60C	119.0	119.5	CL	Gray sandy CLAY, some fine to coarse rock pieces, very dense, damp (Basal Till).		0.5	No
114-MW61C	50.5	55.0	SW-SC	Well graded SAND with some clay, fine to coarse sand, little fine to coarse gravel, damp to wet (Basal Till).		4.5	No
114-MW61C	55.0	55.5	SP	Reddish brown poorly graded SAND, mostly fine sand, few gravel, loose, wet (Basal Till).		0.5	Yes
114-MW61C	55.5	60.0	SW-SC	Reddish brown well graded SAND with some clay, fine to coarse sand, little subrounded to subangular gravel, medium dense to very dense, damp (Basal Till).	12.5	4.5	No
114-MW61C	60.0	61.0	sw	Reddish brown well graded SAND with few silt, loose, damp to wet (Basal Till).		1.0	Yes
114-MW61C	61.0	63.0	CL	Reddish brown and light yellowish brown (2.5Y 6/3) sandy CLAY embedded with little fine to subrounded coarse gravel, medium dense, damp to wet (Basal Till).		2.0	No

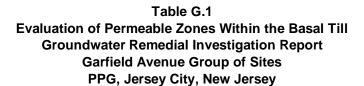


Well ID	Top (ft bgs)	Bottom (ft bgs)	USCS Code	Description	Total Basal Till Thickness (ft)	Interval Thickness (ft)	Permeable Zone Within Basal Till?
114-MW62C	46.5	50.0	SM	Reddish brown (2.5YR 4/4) widely graded SAND with some silt, fine to angular coarse sand, few embedded fine to coarse gravel, very dense, dry to damp (Basal Till).		3.5	No
114-MW62C	50.0	60.0	SM	Reddish brown (5YR 4/4) SAND with some silt, trace coarse sand, few fine to coarse subrounded to subangular gravel embedded in matrix, compact (at 50 ft), dense to very dense, damp (Basal Till).		10.0	No
114-MW62C	60.0	66.0	SW	Reddish brown (5YR 4/4) well graded SAND with little silt, fine to coarse sand, little subangular to subrounded fine to coarse gravel, very dense, damp to dry (Basal Till).	24.5	6.0	No
114-MW62C	66.0	68.0	SM	Reddish brown (5YR 4/4) poorly graded SAND with little silt, fine to medium sand, trace gravel, loose, damp (Basal Till).		2.0	Yes
114-MW62C	68.0	71.0	SM	Reddish brown (5YR 4/3) widely graded SAND with some silt, fine to coarse sand, few fine to coarse gravel embedded, very dense, damp (Basal Till).		3.0	No
114-MW63C	61.5	64.0	SC	Reddish brown clayey SAND, little fine to coarse sand, little fine to coarse gravel, firm, (Basal Till).	4.5	2.5	No
114-MW63C	64.0	66.0	SC	Reddish brown clayey SAND, little fine to coarse sand, little fine to coarse gravel, firm (Basal Till).	4.5	2.0	No
114-MW64C	83.5	90.0	sc	Gray clayey SAND with little embedded coarse subrounded gravel, very dense, damp (Basal Till).		6.5	No
114-MW64C	90.0	92.0	SP	Reddish brown poorly graded SAND with few silt, fine sand (Basal Till).	9.5	2.0	Yes
114-MW64C	92.0	93.0	GC/SC	Gray fine to coarse GRAVEL, with some clayey sand, very dense, wet from 92-92.5 ft bgs, damp from 92.5-93 ft bgs (Basal Till).		1.0	No
114-MW65C	53.0	63.8	SM	Reddish brown (5YR 5/4) silty SAND, little sub-angular fine to sub-rounded coarse gravel, hard, moist (Basal Till).		10.8	No
114-MW65C	63.8	65.0	SW-SC	Reddish brown (5YR 4/3) widely graded SAND with silt or clay, fine to coarse sand, little fine to coarse gravel, few large gravel (2" to 3" wide), hard, moist (Basal Till).	13.0	1.2	No
114-MW65C	65.0	66.0	SM	Reddish brown (5YR 4/3) silty SAND, fine to coarse sand, few fine gravel, few coarse sub-rounded gravel (Basal Till).		1.0	No





Well ID	Top (ft bgs)	Bottom (ft bgs)	USCS Code	Description	Total Basal Till Thickness (ft)	Interval Thickness (ft)	Permeable Zone Within Basal Till?
114-MW52D	45.0	47.0	sw	Reddish brown fine to coarse SAND, trace to little gravel, medium dense, wet (Basal Till)		2.0	No
114-MW52D	47.0	50.0	SP	Reddish brown fine to medium SAND, little fine to coarse gravel, very dense, wet (Basal Till).		3.0	No
114-MW52D	50.0	55.0	SP	Reddish brown fine to medium SAND, some fine to coarse gravel, little silt, very dense, wet (Basal Till).		5.0	No
114-MW52D	55.0	60.0	SP	Reddish brown fine to medium SAND, some fine to coarse angular gravel, little silt, very dense, wet (Basal Till).	23.0	5.0	No
114-MW52D	60.0	62.0	SW	Reddish brown fine to coarse SAND, little fine to coarse angular gravel, poorly graded, very dense, wet (Basal Till).		2.0	No
114-MW52D	62.0	65.0	SP	Reddish brown fine to medium SAND, some fine to coarse gravel, little silt, poorly graded, very dense, wet (Basal Till).		3.0	No
114-MW52D	65.0	68.0	SW	Reddish brown fine to coarse SAND, some fine to coarse gravel, little silt, very dense, wet (Basal Till).		3.0	No
114-MW57D	53.0	54.0	CL	Reddish brown fine SAND, some silt, medium dense, wet (Basal Till).		1.0	No
114-MW57D	54.0	55.0	SM	Reddish brown fine SAND, some silt, trace medium to coarse gravel, trace cobbles, very dense, wet (Basal Till).		1.0	No
114-MW57D	55.0	60.0	SM	Reddish brown fine to medium SAND, some silt, little fine to coarse angular gravel, trace cobbles, very dense, wet (Basal Till).	14.0	5.0	No
114-MW57D	60.0	65.0	SM	Reddish brown fine to coarse SAND, some silt, little fine to coarse gravel, trace cobbles, very dense, wet (Basal Till).		5.0	No
114-MW57D	65.0	67.0	SW	Reddish brown fine to coarse SAND, trace silt, medium dense, wet (Basal Till).		2.0	No
114-MW61D	48.0	50.0	SM	Reddish brown fine to medium SAND, some silt, little fine to medium subrounded gravel, very dense, wet (Basal Till).		2.0	No
114-MW61D	50.0	55.0	SM	Reddish brown fine to medium SAND, some silt, little fine to medium subrounded gravel, very dense, wet (Basal Till).		5.0	No
114-MW61D	55.0	60.0	SM	Reddish brown fine to medium SAND, some silt, little fine to coarse subangular to subrounded gravel, very dense, wet (Basal Till).	15.0	5.0	No
114-MW61D	60.0	63.0	SM	Reddish brown fine to medium SAND, some silt, little fine to coarse subangular to subrounded gravel, very dense, wet (Basal Till).		3.0	No





Well ID	Top (ft bgs)	Bottom (ft bgs)	USCS Code	Description	Total Basal Till Thickness (ft)	Interval Thickness (ft)	Permeable Zone Within Basal Till?
114-MW66D	47.0	50.0	SW	Reddish brown fine to coarse SAND, some fine to coarse angular gravel, little silt, poorly sorted (Basal Till), wet.		3.0	No
114-MW66D	50.0	51.0	SP	Reddish Brown fine to medium SAND, trace silt, loose (Basal Till), wet. Yellow coloration to water.		1.0	Yes
114-MW66D	51.0	55.0	SW	Reddish brown fine to coarse SAND, some fine to coarse angular gravel, little silt, poorly sorted, dense (Basal Till), wet.		4.0	No
114-MW66D	55.0	60.0	SW	Reddish brown fine to coarse SAND, some fine to coarse subangular gravel, little silt, poorly sorted, dense (Basal Till), wet.		5.0	No
114-MW66D	60.0	65.0	SW	Reddish brown fine to coarse SAND, some fine to coarse gravel, little silt, very dense (Basal Till), wet.		5.0	No
114-MW66D	65.0	66.0	SW	Reddish brown fine to coarse SAND, some fine to medium gravel, little silt, medium dense (Basal Till), wet.	30.0	1.0	No
114-MW66D	66.0	69.0	sw	Reddish brown fine to coarse SAND, some fine to coarse subangular gravel, trace cobbles, trace silt, very dense (Basal Till), wet.		3.0	No
114-MW66D	69.0	70.0	CL	Reddish brown CLAY, some silt, trace fine sand, medium stiff, wet.		1.0	No
114-MW66D	70.0	74.0	SW	Reddish brown fine to coarse SAND, some fine to coarse subangular gravel, trace silt, trace cobbles, very dense (Basal Till) wet.		4.0	No
114-MW66D	75.0	77.0	SM	Reddish brown fine to coarse SAND, little fine to coarse gravel, trace to little silt, very dense (Basal Till), wet.		2.0	No
114-BSB-01	60.5	62.0	SP-GP	Gray/brown SAND and fine to medium GRAVEL (angular to sub-angular), very dense, dry (Basal Till)	2.5	1.5	No
114-BSB-01	62.0	63.0	GP	Gray, broken fragments of possible bedrock, some angular gravel, dry (Basal Till).	2.5	1.0	No
114-BSB-02	55.0	58.0	SM	Dark brown, fine to medium silty SAND with some fine to medium subangular and subrounded GRAVEL, with trace cobble/broken cobble, dense, moist (Basal Till).		3.0	No
114-BSB-02	58.0	61.0	SM	Dark brown, fine to medium silty SAND with some fine to coarse GRAVEL (well graded), broken cobble, medium dense, moist to wet (Basal Till).	6.5	3.0	No
114-BSB-02	61.0	61.5	МН	Gray, clayey SILT with angular GRAVEL, highly compressed (Basal Till).		0.5	No
114-BSB-03	68.0	73.0	SW/GW	Dark brown, fine to coarse SAND and GRAVEL (subangular and subrounded), possible Basal Till, broken up into fragments due to water injection		5.0	No
114-BSB-03	73.0	76.0	GM-GC	Dark brown to gray, fine to coarse silty and clayey GRAVEL with fine to coarse GRAVEL, medium dense, moist to wet (Basal Till). Broken rock fragments at 75.5' to 76'.	8.0	3.0	No



Well ID	Top (ft bgs)	Bottom (ft bgs)	USCS Code	Description	Total Basal Till Thickness (ft)	Interval Thickness (ft)	Permeable Zone Within Basal Till?
114-MW67C	56	60	SM	Reddish brown fine to medium SAND, some silt, trace fine to coarse gravel, dense, wet (Basal Till).		4.0	No
114-MW67C	60	65	SM	Reddish brown fine to medium SAND, some silt, trace fine to coarse gravel, very dense, wet (Basal Till).		5.0	No
114-MW67C	65	70	SM	Reddish brown fine to medium SAND, some silt, trace to little fine to coarse gravel, very dense, wet (Basal Till).		5.0	No
114-MW67C	70	75	SM	Reddish brown fine to medium SAND, some silt, trace to little fine to coarse gravel, very dense, wet (Basal Till).	27.0	5.0	No
114-MW67C	75	77	SM	Reddish brown fine to medium SAND, some silt, trace to little fine to coarse subangular gravel, very dense, wet (Basal Till).		2.0	No
114-MW67C	78	80	SM	Gray fine to medium SAND, some silt, trace fine to coarse subangular gravel, very dense, wet (Basal Till).		2.0	No
114-MW67C	80	83	SM	Gray fine to medium SAND, some silt, trace to little fine to coarse subangular gravel, very dense (Basal Till).		3.0	No
114-MW68C	56	60	SM	Reddish brown fine to coarse SAND, some silt, little fine to coarse subrounded gravel, very dense, wet (Basal Till).		4.0	No
114-MW68C	60	65	SM	Reddish brown fine to coarse, SAND, some silt, little fine to coarse, subrounded gravel, very dense, wet (Basal Till).	17.0	5.0	No
114-MW68C	65	70	SM	Reddish brown fine to coarse, SAND, some silt, little fine to coarse, subrounded gravel, very dense, wet (Basal Till).	17.0	5.0	No
114-MW68C	70	73	SM	Reddish brown fine to coarse, SAND, some silt, little fine to coarse, gravel, very dense, wet (Basal Till).		3.0	No
114-MW69C	47	50	SM	Reddish brown fine SAND, some silt, trace clay, medium dense, wet (Basal Till).		3.0	No
114-MW69C	50	55	SM	Reddish brown fine to medium SAND, some silt, little fine gravel, very dense, wet (Basal Till).		5.0	No
114-MW69C	55	60	SM	Reddish brown fine to medium SAND, some silt, little fine to coarse subrounded gravel, very dense, wet (Basal Till).	21.0	5.0	No
114-MW69C	60	65	SM	Reddish brown fine to medium SAND, some silt, little fine to coarse subrounded gravel, very dense, wet (Basal Till).		5.0	No
114-MW69C	65	68	SM	Reddish brown fine to medium SAND, some silt, little fine to coarse subrounded gravel, very dense, wet (Basal Till).		3.0	No
114-MW70C	95	100	SM	Reddish brown fine to medium SAND, some silt, little fine to coarse gravel, very dense, wet (Basal Till). End of boring at 100 ft bgs.	5.0	5.0	No
			-	Total thickness of basal till logged (ft)	389.5		

Total thickness of basal till logged (ft) 389.5

Total thickness of permeable zones in basal till (ft) 20.9

Percentage of permeable zones in basal till 5.4%

Notes

bgs - below ground surface

ft - fee

USCS - Unified Soil Classification System