July 11, 2013 Staff Recommendation to Amend the 2001 Foxborough Witch Pond Interbasin Transfer Decision

Figure 3 a

DRILLING DATE GROUNDWATER READNESS DEFTH CASING CASING STRADUCTION DATE OROUNDWATER READNESS DEFTH STRADUCTION STRADUC	Acton, Massachusetts 01720 BORING COMPANY FOREMAN GEOLOGIST		ed Hydrogeologic, Inc. A. Chapman M. Callahan	SITE GROUND EL CASING STIC	CK UP	Witch Pond F-7S 1.86'	FILE	 F-7[D 1.52'			
TYPE DATE DEPTH CASING STADE/ZATION TIME DIAMETER			DRILLING		DATE START	TED	5/01/06			5/01/06		
INTERVAL Shall be bescher for Shall be transfer EDUMMENT OR WELL INSTAUL 0 0 0 Leaf filter F78 F-7P0 F 1 0 0 Leaf filter Shall be transfer Shall be transfer Shall be transfer Shall be transfer F78 F-7P0 F 1 0 0 Used filter Shall be transfer Shall	CASING DIAMETEF					DATE				ION TIME		
0 0 -1.0 Leaf lifter 1.0'-2.0' Dark brown hemic peat 5-1 2.0'-4.0' Dark brown hemic peat 5-3 4.0'-6.0' Dark brown sapric peat (fine, very porous) S-4 5' 4.0'-6.0' Dark brown sapric peat (fine, very porous) S-5 6.0'-8.0' Dark brown sapric peat (fine, very porous) S-5 0' 8.0'-10.0' Dark brown sapric peat (fine, very porous) S-6 1' 10.0'-12.0' Dark brown sapric peat S-7 1' 10.0'-12.0' Dark brown sapric peat S-7 1' 10.0'-12.0' Dark brown sapric peat S-8 1' 10.0'-12.0' Dark brown sapric peat S-8 1' 10.0'-12.0' Dark brown sapric peat S-10 1' 10.0'-12.0' Dark brown sapric peat S-10 1' 10.0'-20.0' Dark brown sapric peat S-11 1' 10.0'-20.0' Dark brown sapric peat S-12 1' 20.0'-22.0' Dark brown sapric peat S-12 1' 20.0'-22.0' Dark brown sapric peat S-12 <th></th> <th></th> <th>S</th> <th>AMPLE DESCRIPTION</th> <th>STRAT</th> <th>TA CHANGE</th> <th>SAMPLE</th> <th colspan="4">EQUIPMENT OR WELL INSTALLE</th>			S	AMPLE DESCRIPTION	STRAT	TA CHANGE	SAMPLE	EQUIPMENT OR WELL INSTALLE				
10°-20° Dark brown hemic peat S-1 S-2 20°-40° Dark brown hemic – sapric peat S-3 S-2 40°-60° Dark brown sapric peat (ine, very porous) S-4 S-4 60°-8.0° Dark brown sapric peat (ine, very porous) S-5 S-4 60°-8.0° Dark brown sapric peat (ine, very porous) S-5 S-4 7 6.0°-10.0° Dark brown sapric peat (ine, very porous) S-5 7 10.0°-12.0° Dark brown sapric peat S-7 10.0°-12.0° Dark brown sapric peat S-8 11.0°-12.0° Dark brown sapric peat S-8 11.0°-12.0° Dark brown sapric peat S-8 11.0°-12.0° Dark brown sapric peat S-8 11.0° Dark brown sapric peat S-10 11.0° Dark brown sapric peat S-10 11.0° Dark brown sapric peat S-11 12.0°-14.0° Dark brown sapric peat S-10 11.0° Dark brown sapric peat S-10 11.0° Dark brown sapric peat S-12 11.0° Dark brown sapric peat S-12 <	0						S-1	F-7S F-7PD				
20 - 4.0 Dark brown hemic - sapric peat S-2 S-2 40' - 6.0 Dark brown sapric peat (line, very porous) S-4 S-3 5' 40' - 6.0 Dark brown sapric peat (line, very porous) S-4 S-4 6' 0 ark brown sapric peat (line, very porous) S-5 S-5 S-6 6' 10.0' Dark brown sapric peat (line, very porous) S-6 S-6 1' 10.0' - 12.0' Dark brown sapric peat S-7 S-7 3' 12.0' - 14.0' Dark brown sapric peat S-8 S-9 6' 15.0' - 17.0' Dark brown sapric peat S-9 S-10 7' 17.0' - 18.0' Dark brown sapric peat S-10 S-10 9' 18.0' - 20.0' Dark brown sapric peat S-10 S-11 12 20.0' - 22.0' Dark brown sapric peat S-12 S-12 9' 18.0' - 20.0' Dark brown sapric peat S-12 S-12 9' 18.0' - 10.0' Dark brown sapric peat S-12 S-12 9' 18.0' - 10.0'' Dark brown sapric peat S-12 S-12	1'		7									
40' - 6.0' Dark brown sapric peat (fine, very porous) S.3 50' 40' - 6.0' Dark brown sapric peat (fine, very porous) S.4 50' 6.0' - 8.0' Dark brown sapric peat (fine, very porous) S.5 50' 8.0' - 10.0' Dark brown sapric peat (fine, very porous) S.6 10' 8.0' - 10.0' Dark brown sapric peat (fine, very porous) S.6 10' 8.0' - 10.0' Dark brown sapric peat (fine, very porous) S.6 10' 10.0' - 12.0' Dark brown sapric peat S.7 3' 12.0' - 14.0' Dark brown sapric peat S.8 6' 15.0' - 17.0' Dark brown sapric peat S.9 7' 17.0' - 18.0' Dark brown sapric peat S.9 8' 12.0' - 22.0' Dark brown sapric peat S.11 12 20.0' - 22.0' Dark brown sapric peat S.11 12 20.0' - 22.0' Dark brown sapric peat S.12 9' 18.0' - 20.0' Dark brown sapric peat S.12 9' 18.0' - 20.0' Dark brown sapric peat S.12 9' 10' 0' 0.20' Dark brown sapric peat	2'						S-2					
4.0°-6.0° Dark brown sapric peat (fine, very porous) S.4 Image: S.4 6.0°-8.0° Dark brown sapric peat (fine, very porous) S.5 S.5 0° B.0°-10.0° Dark brown sapric peat (fine, very porous) S.6 Image: S.6 1° 10.0°-12.0° Dark brown sapric peat S.7 Image: S.7 Image: S.7 1° 10.0°-12.0° Dark brown sapric peat S.7 Image: S.7 Image: S.7 3° 12.0°-14.0° Dark brown sapric peat S.8 Image: S.7 Image: S.7 6° 15.0°-17.0° Dark brown sapric peat S.8 S.9 S.10 Image: S.11 Image: S.11 9° Image: S.10° Dark brown sapric peat S.11 S.11 Image: S.11 S.12 Image: S.11 18.0°-20.0° Dark brown sapric peat S.12 S.12 Image: S.11 S.12 Image: S.11 S.12 Image: S.11 S.12 S.11 S.12 S.11 S.12 S.11 S.12 Image: S.11 S.12 S.11 S.12 S.11 S.12 S.11 S.12 S.11 S.11 S.12 S.11 <td< td=""><td>5. 1, 3.</td><td>2.0' - 4.0'</td><td>Dark brown he</td><td>mic – sapric peat</td><td></td><td></td><td>S-3</td><td></td><td></td><td></td></td<>	5. 1, 3.	2.0' - 4.0'	Dark brown he	mic – sapric peat			S-3					
B.0'-10.0' Dark brown sapric peat (line, very porous) S-5 1' 10.0'-12.0' Dark brown sapric peat S-6 2' Dark brown sapric peat S-7 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		4.0' - 6.0'	Dark brown sa	pric peat (fine, very porous)			S-4					
8.0° - 10.0° Dark brown sapric peat (fine, very porous) S-6 1° 10.0° - 12.0° Dark brown sapric peat S-7 2°		6.0' - 8.0'	Dark brown sa	pric peat (fine, very porous)			S-5					
2'	0'	8.0' - 10.0'	Dark brown sa	pric peat (fine, very porous)			S-6					
4'	2'	10.0' 12.0'	Dark brown sa	pric peat			S-7					
6' 15.0' - 17.0' Dark brown sapric peat S-9 7' 17.0' - 18.0' Dark brown sapric peat S-10 9' 18.0' - 20.0' Dark brown sapric peat S-10 9' 18.0' - 20.0' Dark brown sapric peat S-11 1' 20.0' - 22.0' Dark brown sapric peat S-11 1' 20.0' - 22.0' Dark brown sapric peat S-12	4'	12.0' - 14.0'	Dark brown sa	oric peat			S-8					
17.0' - 18.0' Dark brown sapric peat 5-9 9' 18.0' - 20.0' Dark brown sapric peat 9' 18.0' - 20.0' 18.0' - 20.0' Dark brown sapric peat 9' S-10 18.0' - 20.0' Dark brown sapric peat 9' S-10 18.0' - 20.0' Dark brown sapric peat 9' S-11 18.0' - 22.0' Dark brown sapric peat 9' S-12 9' S-12 9' S-12 WELL CONSTRUCTION LEGEND WELL CONSTRUCTION LEGEND WACE 0 TO 10% TLE 10 TO 20% CONCRETE EEEEE BENTONITE SCREEN	6'	15.0' 17.0'	Dark brown sap	pric peat								
9' 18.0' - 20.0' Dark brown sapric peat S-11 1' 20.0' - 22.0' Dark brown sapric peat S-12 3'	L	17.0' 18.0'	Dark brown sap	pric peat								
0' S-11 1' 20.0' - 22.0' Dark brown sapric peat S-11 2' S-12 3' S-12 4' WELL CONSTRUCTION LEGEND WELL CONSTRUCTION LEGEND ACCE 0 TO 10% TILE 10 TO 20%	9'						0-10					
20.0' - 22.0' Dark brown sapric peat 2'	·	18.0' - 20.0'	Dark brown sap	ric peat			S-11					
PROPORTIONS USED WELL CONSTRUCTION LEGEND WACE 0 TO 10% TILE 10 TO 20% CONCRETE EEEEE BENTONITE SCREEN	2'	20.0' - 22.0'	Dark brown sap	ric peat			S-12					
ACE 0 TO 10% TILE 10 TO 20%	<u> </u>											
ACE 0 TO 10% TILE 10 TO 20%	PROPORT						WELL CO	INSTRUCTION I	EGEND			
	RACE	0 TO 10%			CONCRET	re ËËËËI						
	SOME 20 TO 35%				SILICA SA	ND	NATURAL BACKF	ILL	BEDROCK	++++++		

29

July 11, 2013 Staff Recommendation to Amend the 2001 Foxborough Witch Pond Interbasin Transfer Decision

Fi	gı	Jr	e	3	b
	יס		-	-	~

08088

Watershed Hydrogeologic, Inc. P.O. Box 741 Acton, Massachusetts 01720		741	Foxborough SH		BORING SHEET DATE	S NUMBER 2 OF 5/1/06 FILE	=	F-7	•		
DEPTH (FEET)	SAMPLE INTERVAL	SAMF	PLE DESCRIPTION	STRATA	CHANGE	SAMPLE NUMBER	EQUIP	Equipment or well installed			
225' 226' 227' 228' 299' 100' 11' 22' 33' 44' 55' 35' 7' 35' 7' 35' 7'	22.0' - 25.0'	-	peat (very fine, loose) peat (very fine, loose) eat			S-13	F-75			F-7D	