Table F3-3
Boundary Condition Summary
Casmalia Resources Superfund Site
Casmalia, CA

CHB/GHB Node	GHB Node Location	Northing	Easting	Conductance (ft^2/day/ft)	Steady State Boundary Head Elevation (ft msl)				
					Layers 1-3	Layer 4	Layer 5	Layer 6	Layer 7
C DRAINAGE									
CHB 1	Northernmost Casmalia Creek	508943	1233863	NA	575	575	575	575	575
CHB 2	Northern Casmalia Creek	507810	1233739	NA	490	500	500	510	510
CHB 3	Southern Casmalia Creek	503033	1234923	NA	355	360	360	365	365
B DRAINAGE									
CHB 4	Convergence of C and B Drainage West	501391	1236453	NA	338	338	340	340	340
CHB 5	B Drainage Central	501568	1236760	NA	338	338	340	340	340
GHB 6	B Drainage East	501454	1236902	NA	338	338	340	340	340
A DRAINAGE									
CHB 7	A Drainage West	503159	1240024	NA	360	360	365	370	370
CHB 8	A Drainage Central	503369	1240126	NA	360	360	365	370	370
CHB 9	A Drainage East	503369	1240290	NA	360	360	365	370	370
NORTH DRAINAGE									
CHB 10	Southeastern North Drainage	506064	1240841	NA	430	430	430	430	430
CHB 11	Eastern North Drainage	507074	1239963	NA	455	457	458	459	460
CHB 12	Central North Drainage	507495	1238433	NA	480	482	483	484	485
CHB 13	Northernmost North Drainage	510609	1236555	NA	724	724	724	724	724

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Boundary Condition Summary
Casmalia Resources Superfund Site
Casmalia, CA

CHB/GHB Node	GHB Node Location	Northing	Easting	Conductance (ft^2/day/ft)	Steady State Boundary Head Elevation (ft msl)				
					Layers 1-3	Layer 4	Layer 5	Layer 6	Layer 7
NORTH RIDGE INFLOW									
GHB 14	Western North Ridge	509157	1235168	4.E-07	730-780	710-755	700-750	690-740	680-730
GHB 15	Central North Ridge	509241	1235637	4.E-07	780-830	765-815	760-810	750-800	740-790
GHB 16	Eastern North Ridge	509894	1235984	4.E-07	730-780	710-755	700-750	690-740	680-730

Constant Head Ponds		Pond Area, March 2001 (ft^2)	March 2001 Constant Head Elevation (ft msl)	Pond Area, March 2004 (ft^2)	March 2004 Constant Head Elevation (ft msl)
A-Series		382884	442	275479	430.5
A-5		108144	460.5	62015	447
18		64304	463.1	63938	456.4
RCF		605708	426.8	417839	416.1
13		65478	394.6	64663	383.5

LAYER 7 BOTTOM - OPEN GHB	Conductance (ft^2/day/ft^2)	Boundary Head Elevations (ft msl)
General Head Surface Developed from Layer 7 Water Levels (Figure F3-14).	0.000001	345-680

Notes: CHB - Constant head boundary; GHB - General head boundary.
Boundary head values and conductance are calibration parameters and values will be adjusted during steady-state and transient calibration simulations.
Both time-varying constant head and general head boundaries will be tested.
Transient head boundaries series will be developed from representative hydrograph response/function for each boundary noide.
NA - Constant head boundary, conductance does not apply.