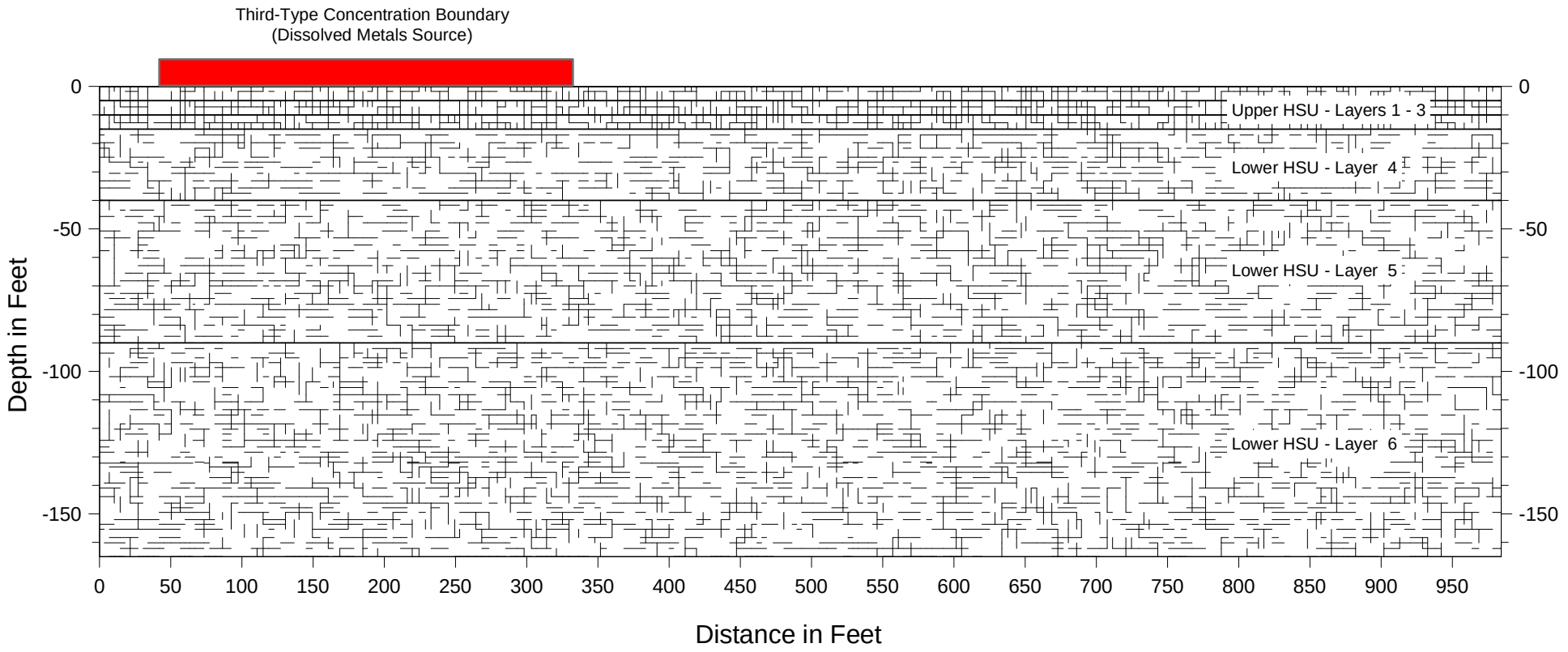
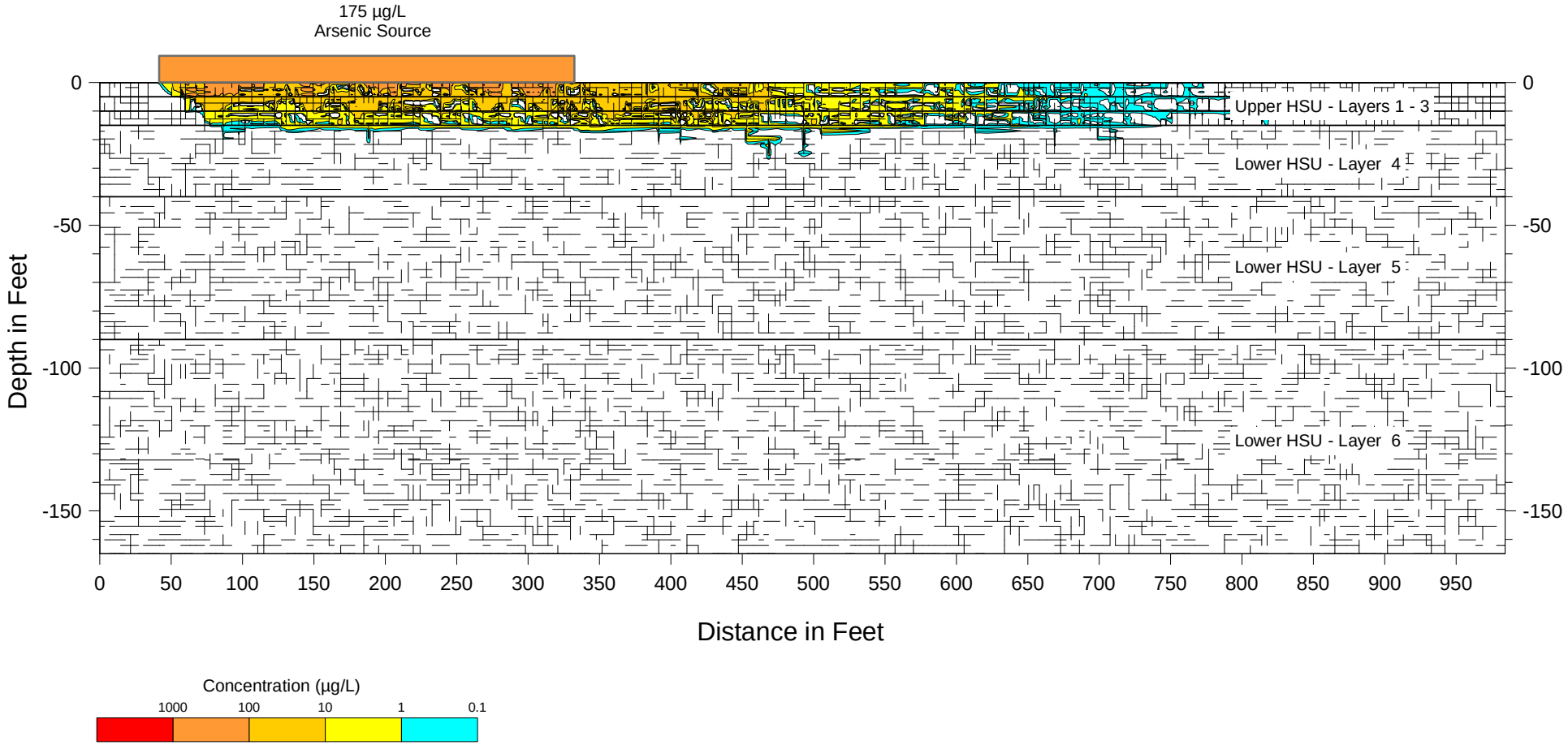


Area 5 West and Area 5 South
Fracture Flow and Transport Model Design
Final Feasibility Study
Casmalia Resources Superfund Site
Casmalia, California

FIGURE

D2-1

DRAWN	JOB NUMBER	APPROVED	CHECKED	DATE	REVISED DATE
TFC	0020784 00.01	BB		08/2014	



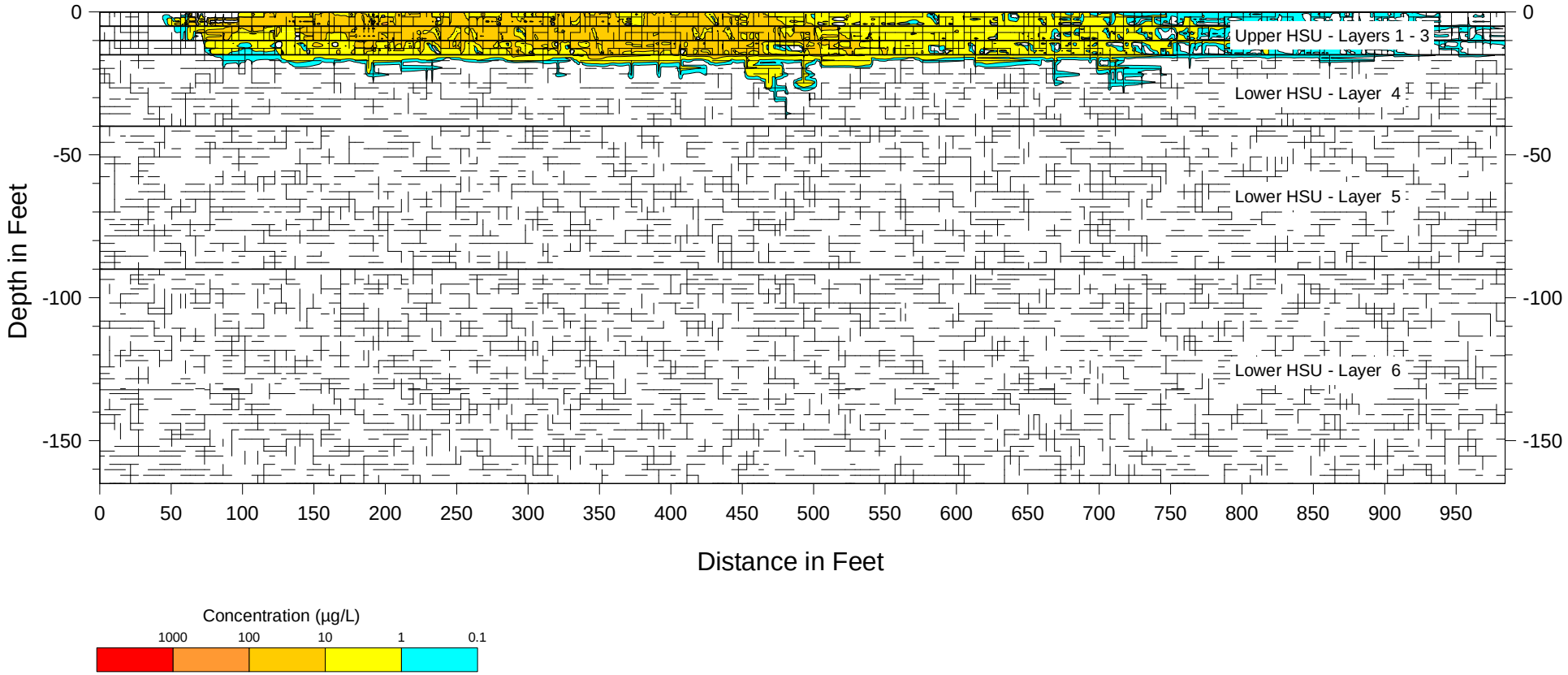
Area 5 West Arsenic Source
Simulation Time - 30 Years
Fracture Flow and Transport Model

Final Feasibility Study
Casmalia Resources Superfund Site
Casmalia, California

FIGURE

D2-2

DRAWN	JOB NUMBER	APPROVED	CHECKED	DATE	REVISED DATE
TFC	0020784 00.01	BB		08/2014	



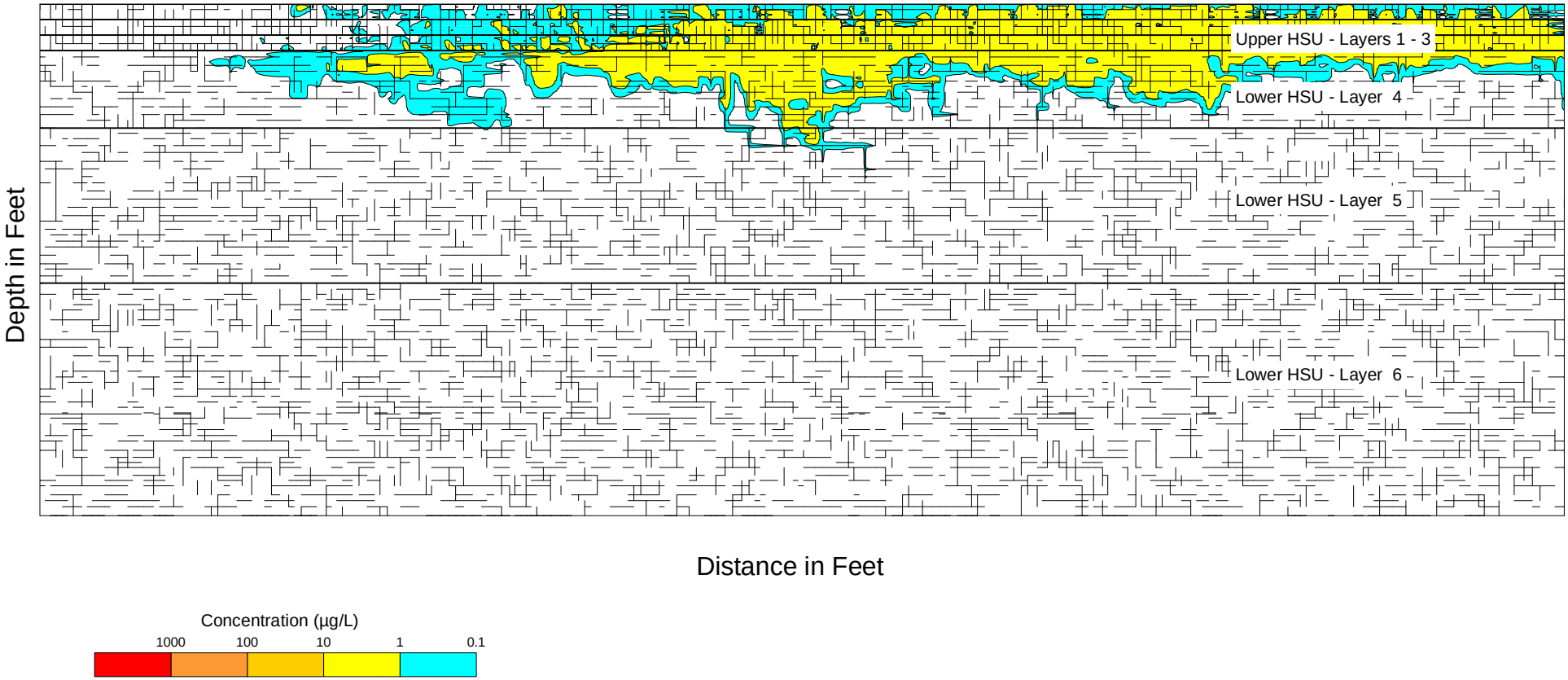
Area 5 West Arsenic Source Removed
Simulation Time - 30 Years After Source Removal
Fracture Flow and Transport Model

Final Feasibility Study
Casmalia Resources Superfund Site
Casmalia, California

FIGURE

D2-3

DRAWN	JOB NUMBER	APPROVED	CHECKED	DATE	REVISED DATE
TFC	0020784 00.01	BB		08/2014	



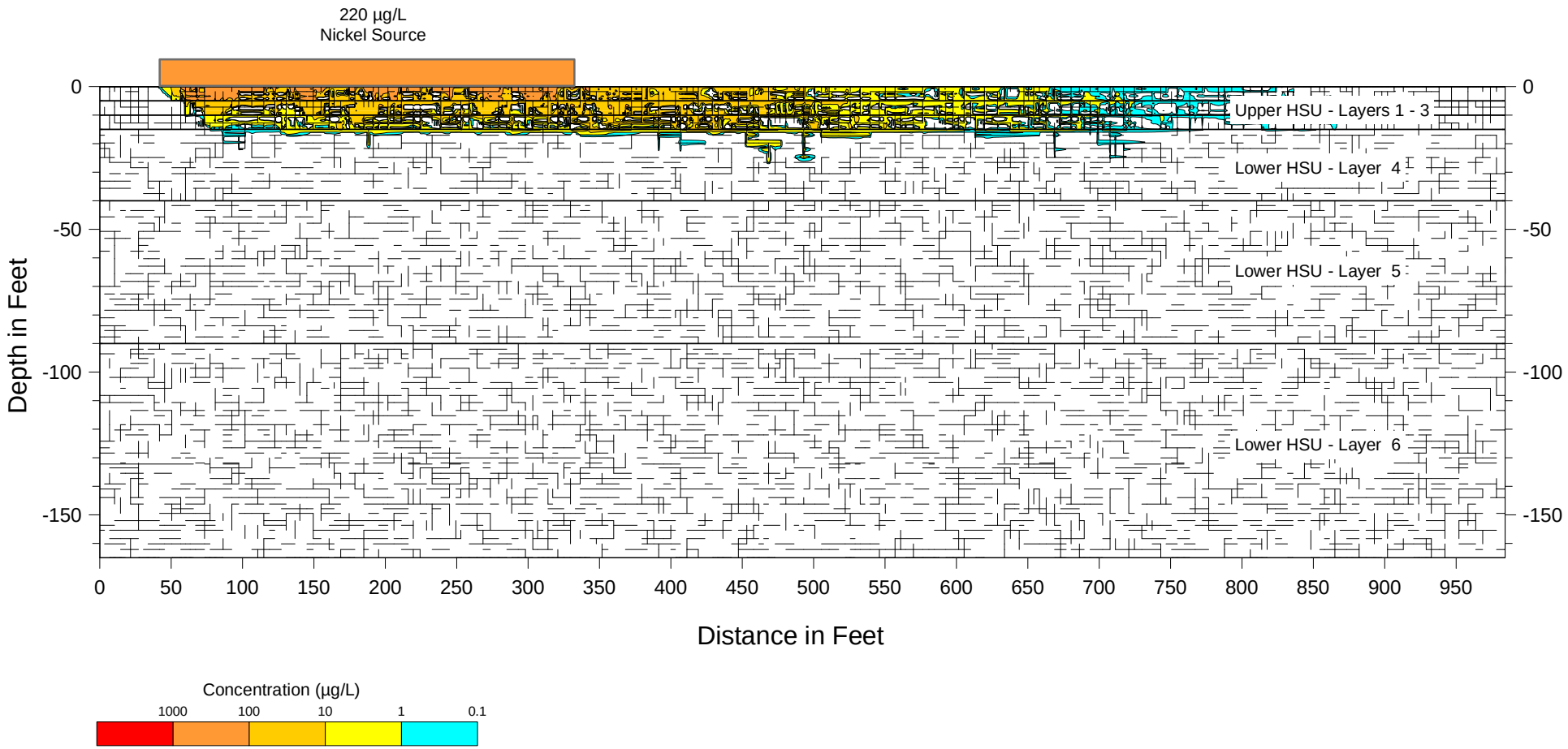
Area 5 West Arsenic Source Removed
Simulation Time - 220 Years After Source Removal
Fracture Flow and Transport Model

Final Feasibility Study
Casmalia Resources Superfund Site
Casmalia, California

FIGURE

D2-4

DRAWN	JOB NUMBER	APPROVED	CHECKED	DATE	REVISED DATE
TFC	0020784 00.01	BB		08/2014	



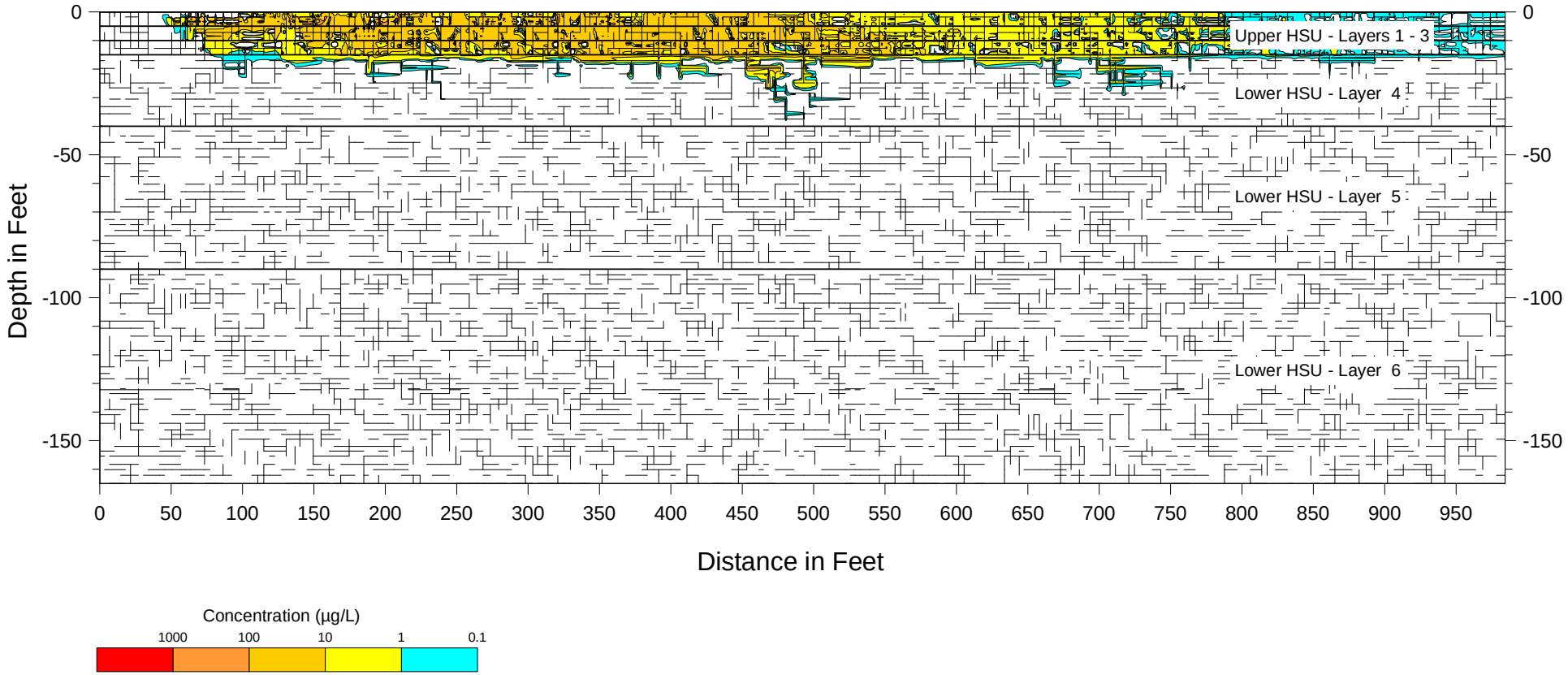
Area 5 West Nickel Source
Simulation Time - 30 Years
Fracture Flow and Transport Model

Final Feasibility Study
Casmalia Resources Superfund Site
Casmalia, California

FIGURE

D2-5

DRAWN	JOB NUMBER	APPROVED	CHECKED	DATE	REVISED DATE
TFC	0020784 00.01	BB		08/2014	



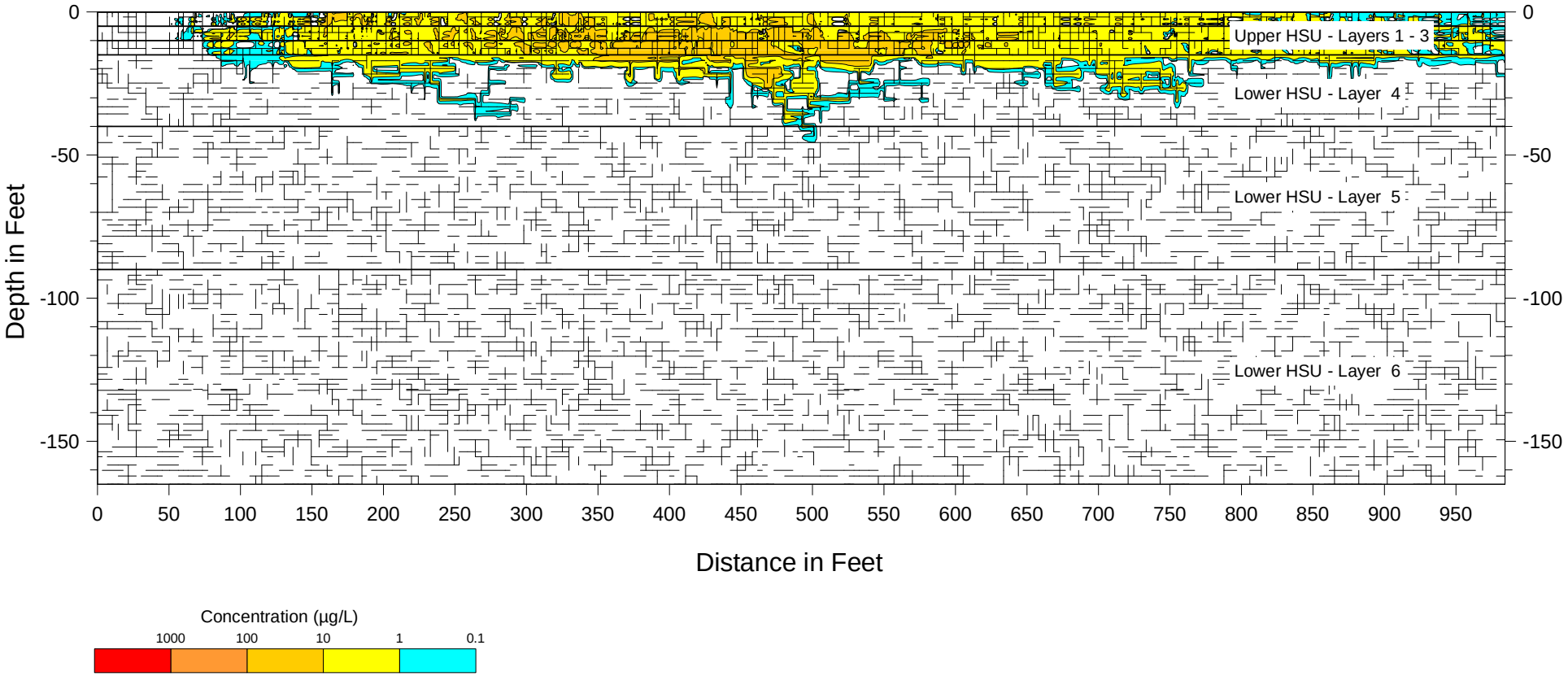
Area 5 West Nickel Source Removed
Simulation Time - 30 Years After Source Removal
Fracture Flow and Transport Model

Final Feasibility Study
Casmalia Resources Superfund Site
Casmalia, California

FIGURE

D2-6

DRAWN	JOB NUMBER	APPROVED	CHECKED	DATE	REVISED DATE
TFC	0020784 00.01	BB		08/2014	



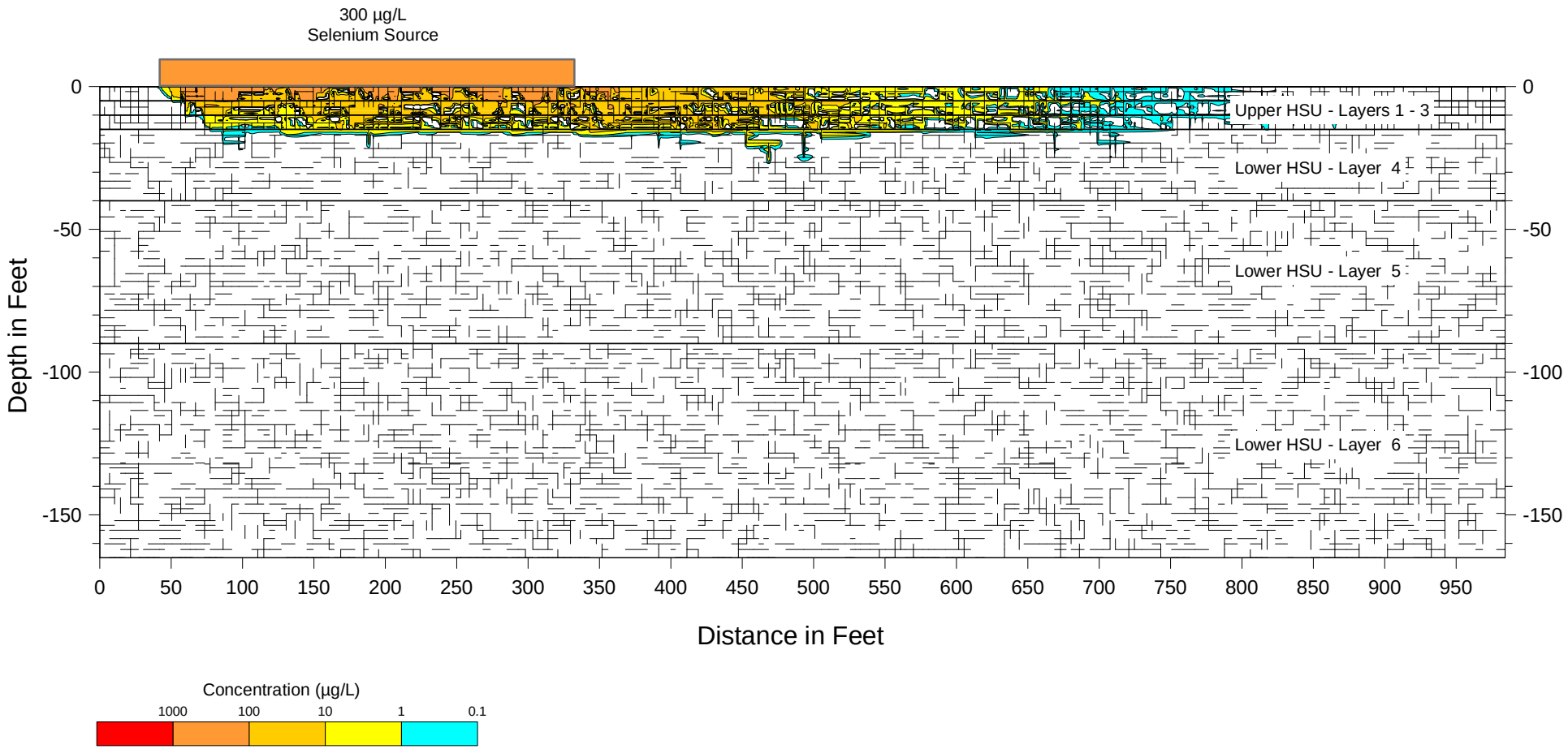
Area 5 West Nickel Source Removed
Simulation Time - 90 Years After Source Removal
Fracture Flow and Transport Model

Final Feasibility Study
Casmalia Resources Superfund Site
Casmalia, California

FIGURE

D2-7

DRAWN	JOB NUMBER	APPROVED	CHECKED	DATE	REVISED DATE
TFC	0020784 00.01	BB		08/2014	



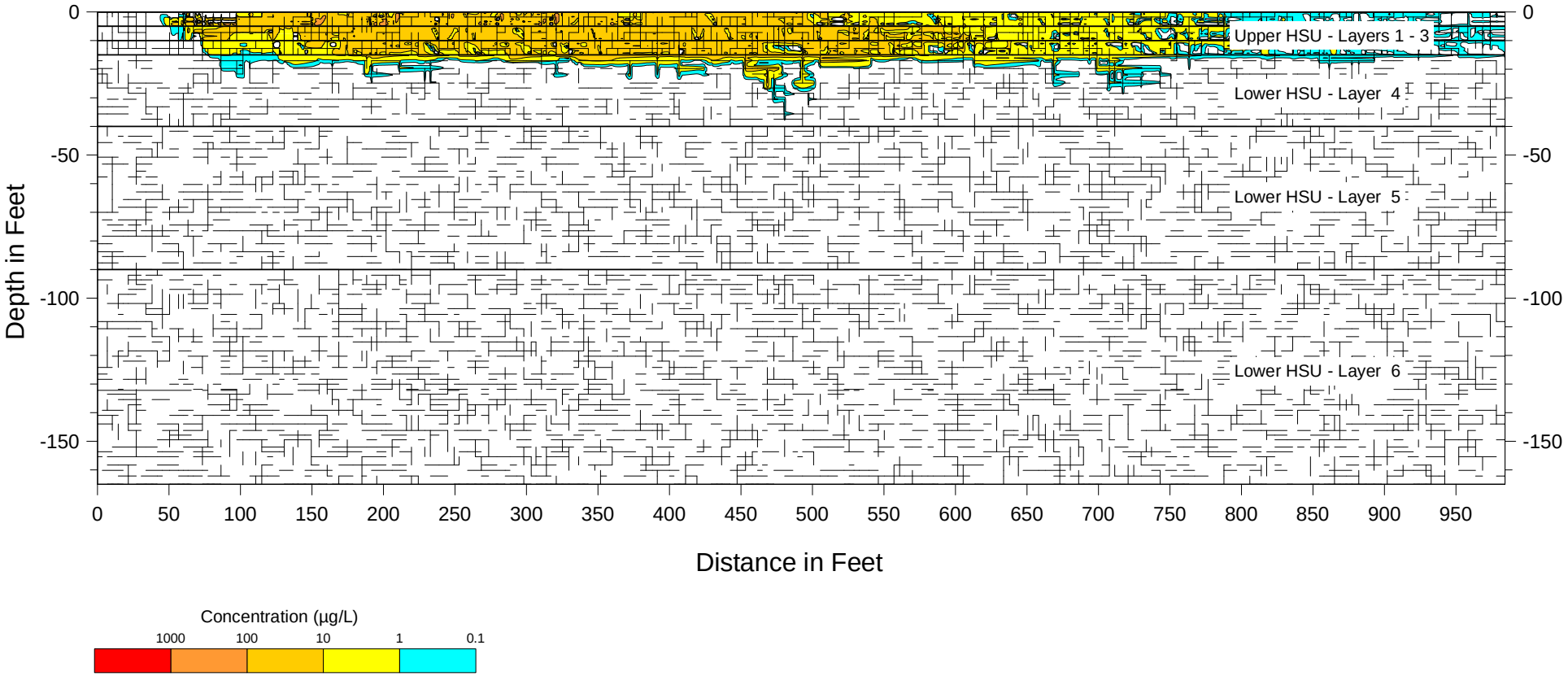
Area 5 West Selenium Source
Simulation Time - 30 Years
Fracture Flow and Transport Model

Final Feasibility Study
Casmalia Resources Superfund Site
Casmalia, California

FIGURE

D2-8

DRAWN	JOB NUMBER	APPROVED	CHECKED	DATE	REVISED DATE
TFC	0020784 00.01	BB		08/2014	



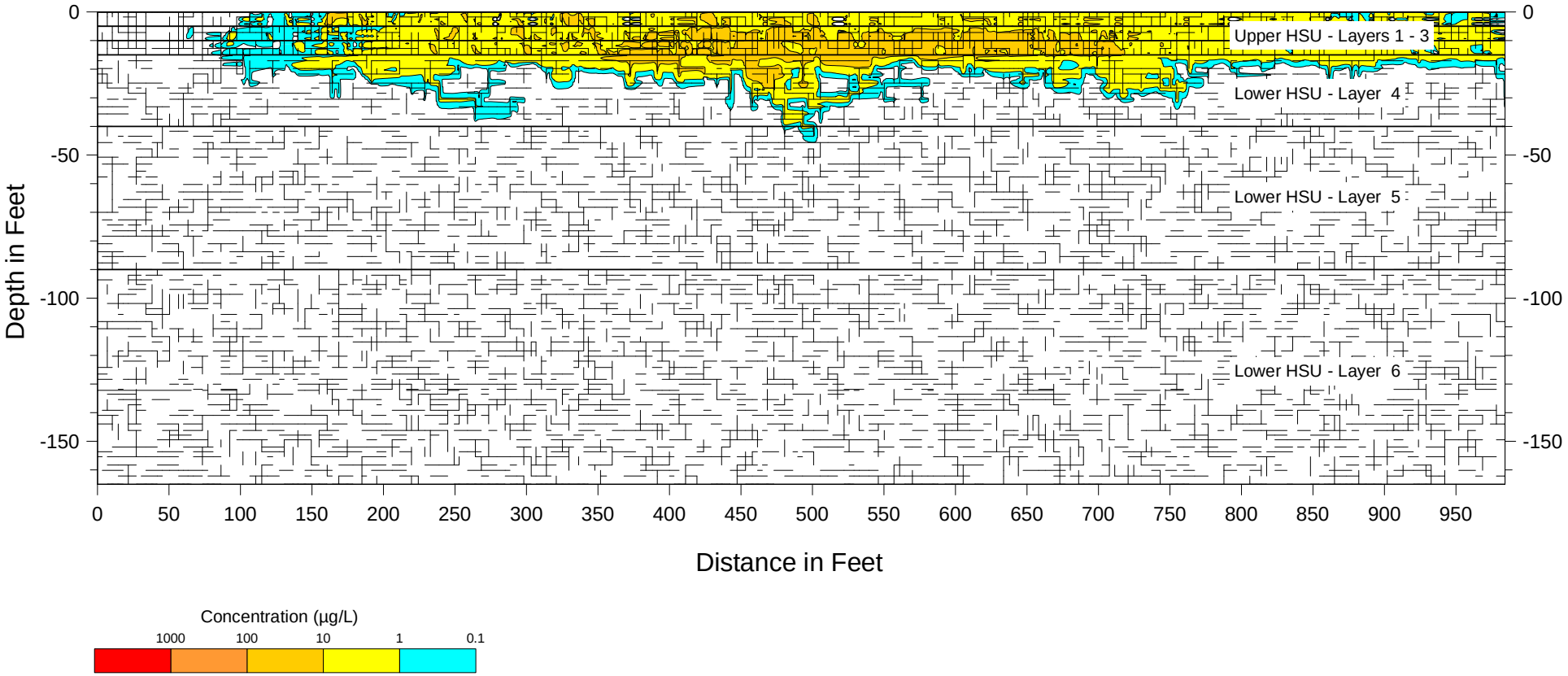
Area 5 West Selenium Source Removed
Simulation Time - 30 Years After Source Removal
Fracture Flow and Transport Model

Final Feasibility Study
Casmalia Resources Superfund Site
Casmalia, California

FIGURE

D2-9

DRAWN	JOB NUMBER	APPROVED	CHECKED	DATE	REVISED DATE
TFC	0020784 00.01	BB		08/2014	



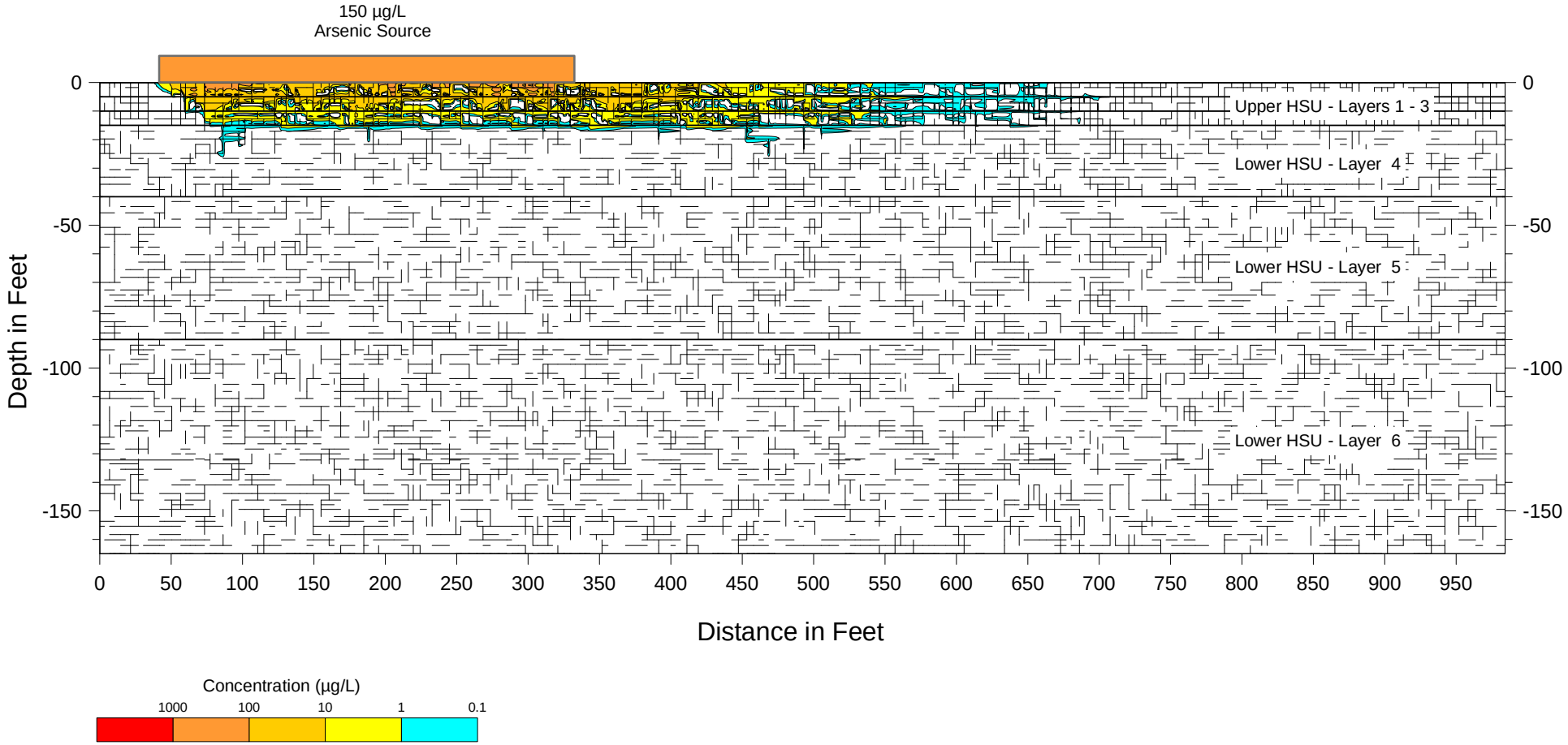
Area 5 West Selenium Source Removed
Simulation Time - 120 Years After Source Removal
Fracture Flow and Transport Model

Final Feasibility Study
Casmalia Resources Superfund Site
Casmalia, California

FIGURE

D2-10

DRAWN	JOB NUMBER	APPROVED	CHECKED	DATE	REVISED DATE
TFC	0020784 00.01	BB		08/2014	



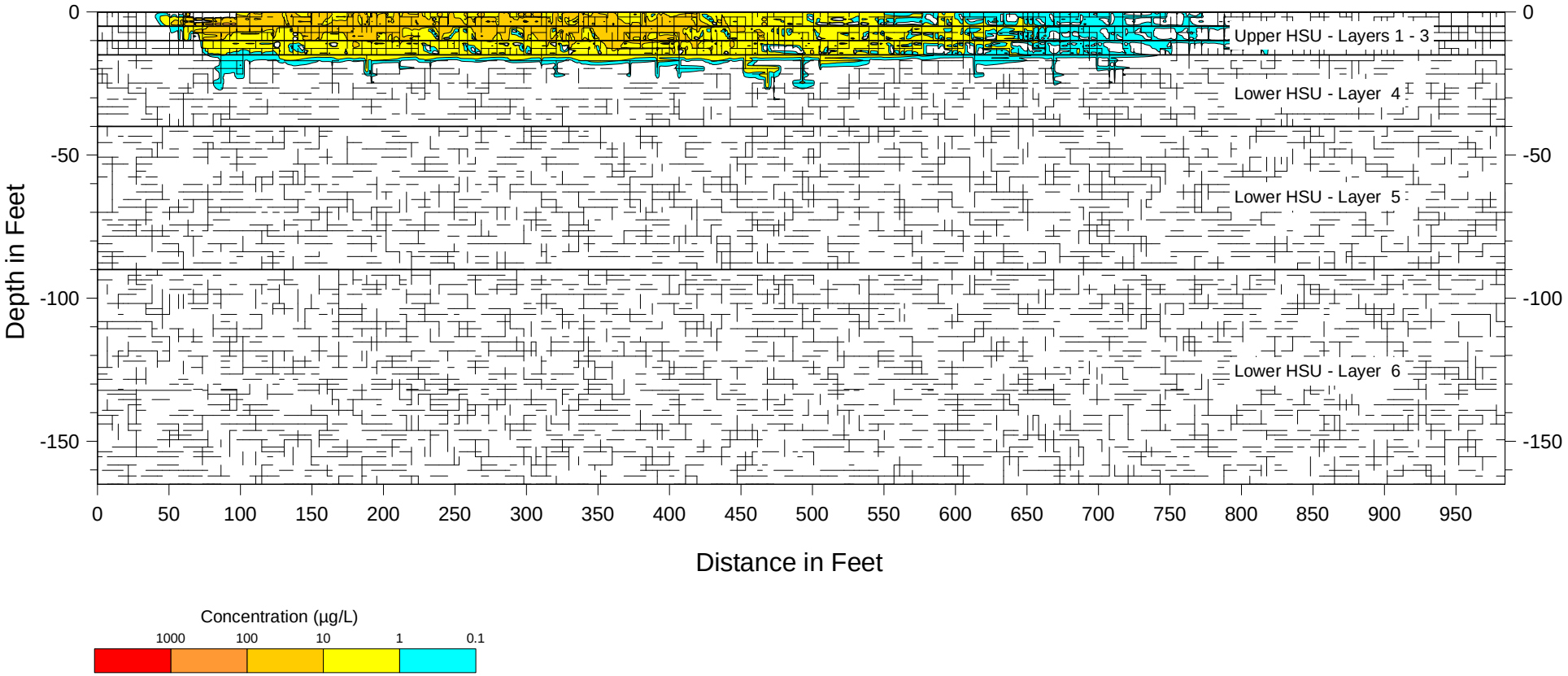
Area 5 South Arsenic Source
Simulation Time - 30 Years
Fracture Flow and Transport Model

Final Feasibility Study
Casmalia Resources Superfund Site
Casmalia, California

FIGURE

D2-11

DRAWN	JOB NUMBER	APPROVED	CHECKED	DATE	REVISED DATE
TFC	0020784 00.01	BB		08/2014	



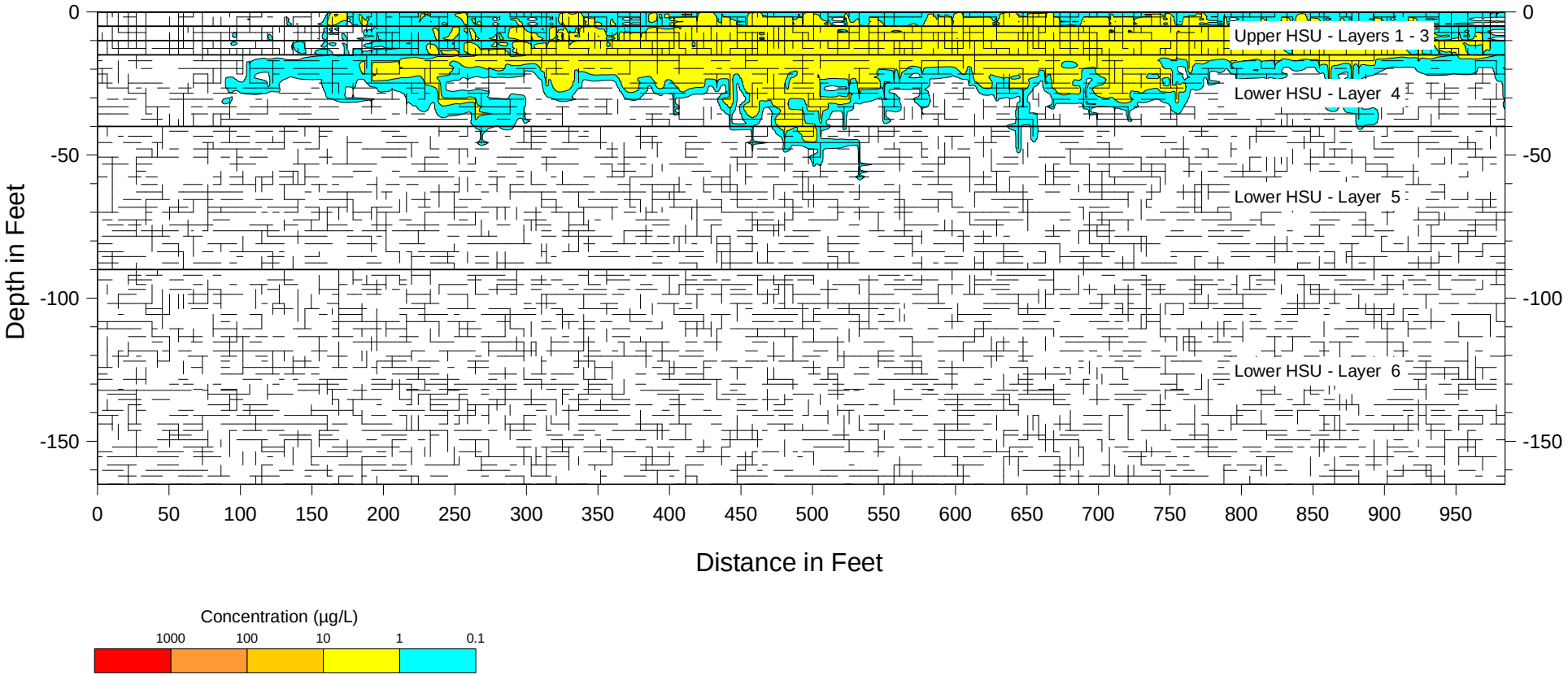
Area 5 South Arsenic Source Removed
Simulation Time - 30 Years After Source Removal
Fracture Flow and Transport Model

Final Feasibility Study
Casmalia Resources Superfund Site
Casmalia, California

FIGURE

D2-12

DRAWN	JOB NUMBER	APPROVED	CHECKED	DATE	REVISED DATE
TFC	0020784 00.01	BB		08/2014	



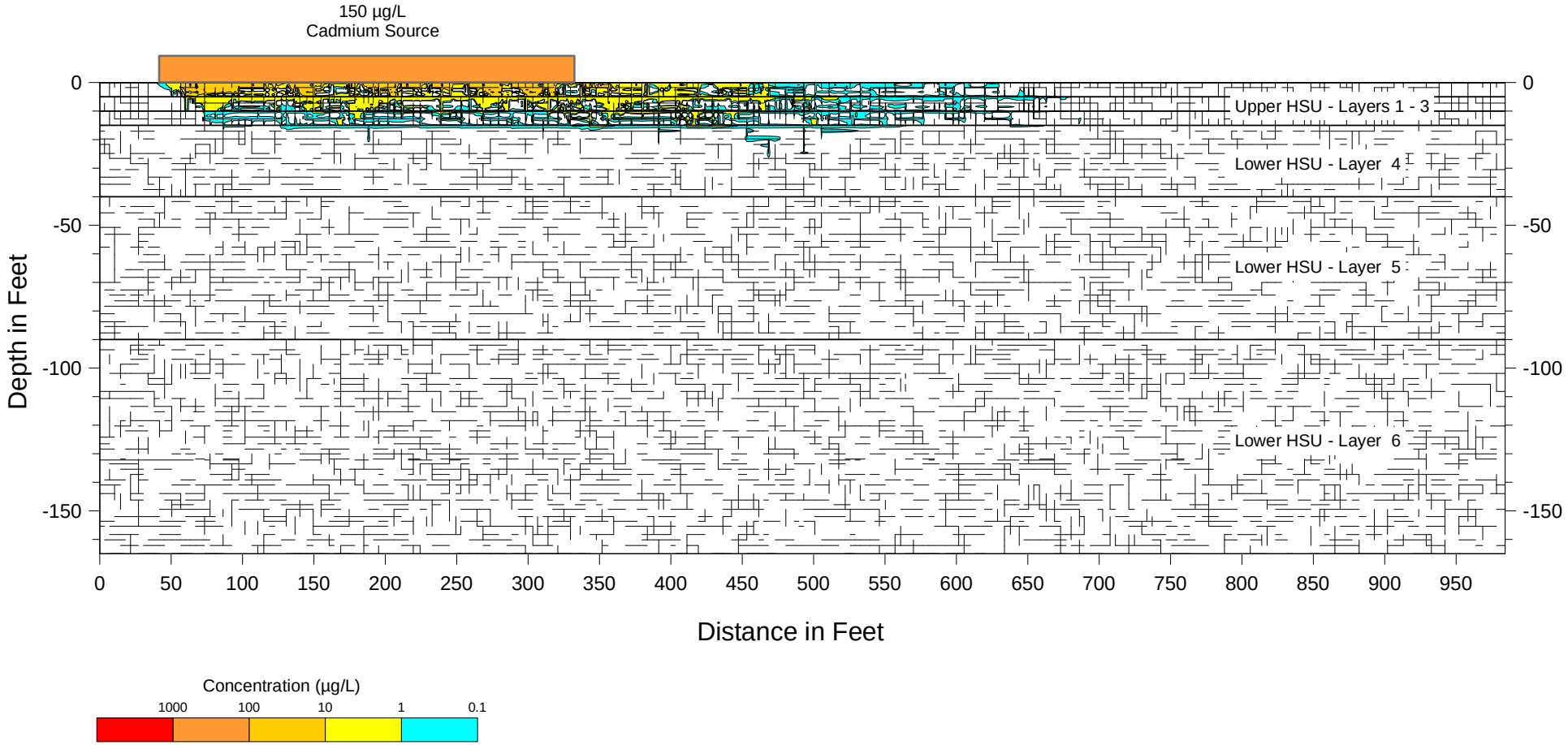
Area 5 South Arsenic Source Removed
Simulation Time - 260 Years After Source Removal
Fracture Flow and Transport Model

Final Feasibility Study
Casmalia Resources Superfund Site
Casmalia, California

FIGURE

D2-13

DRAWN	JOB NUMBER	APPROVED	CHECKED	DATE	REVISED DATE
TFC	0020784 00.01	BB		08/2014	



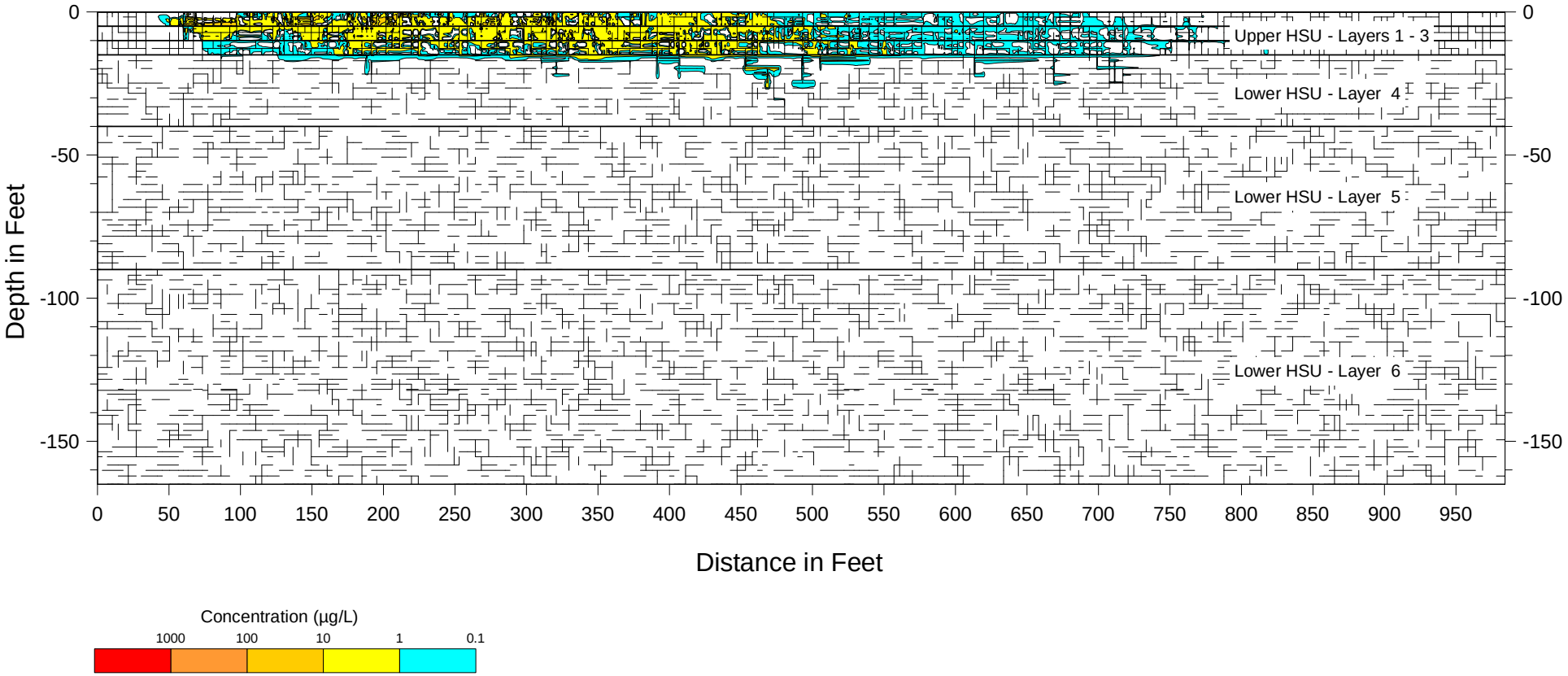
Area 5 South Cadmium Source
Simulation Time - 30 Years
Fracture Flow and Transport Model

Final Feasibility Study
Casmalia Resources Superfund Site
Casmalia, California

FIGURE

D2-14

DRAWN	JOB NUMBER	APPROVED	CHECKED	DATE	REVISED DATE
TFC	0020784 00.01	BB		08/2014	



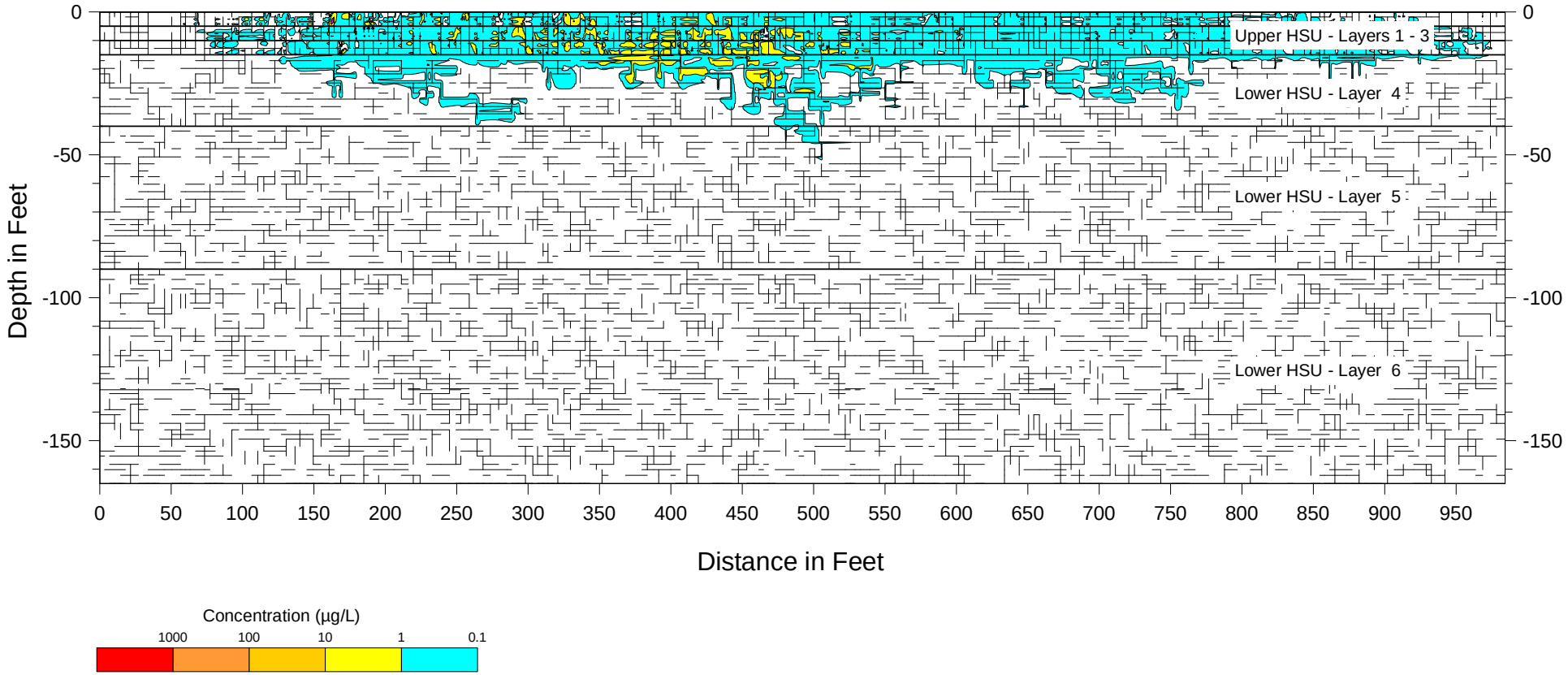
Area 5 South Cadmium Source Removed
Simulation Time - 30 Years After Source Removal
Fracture Flow and Transport Model

Final Feasibility Study
Casmalia Resources Superfund Site
Casmalia, California

FIGURE

D2-15

DRAWN	JOB NUMBER	APPROVED	CHECKED	DATE	REVISED DATE
TFC	0020784 00.01	BB		08/2014	



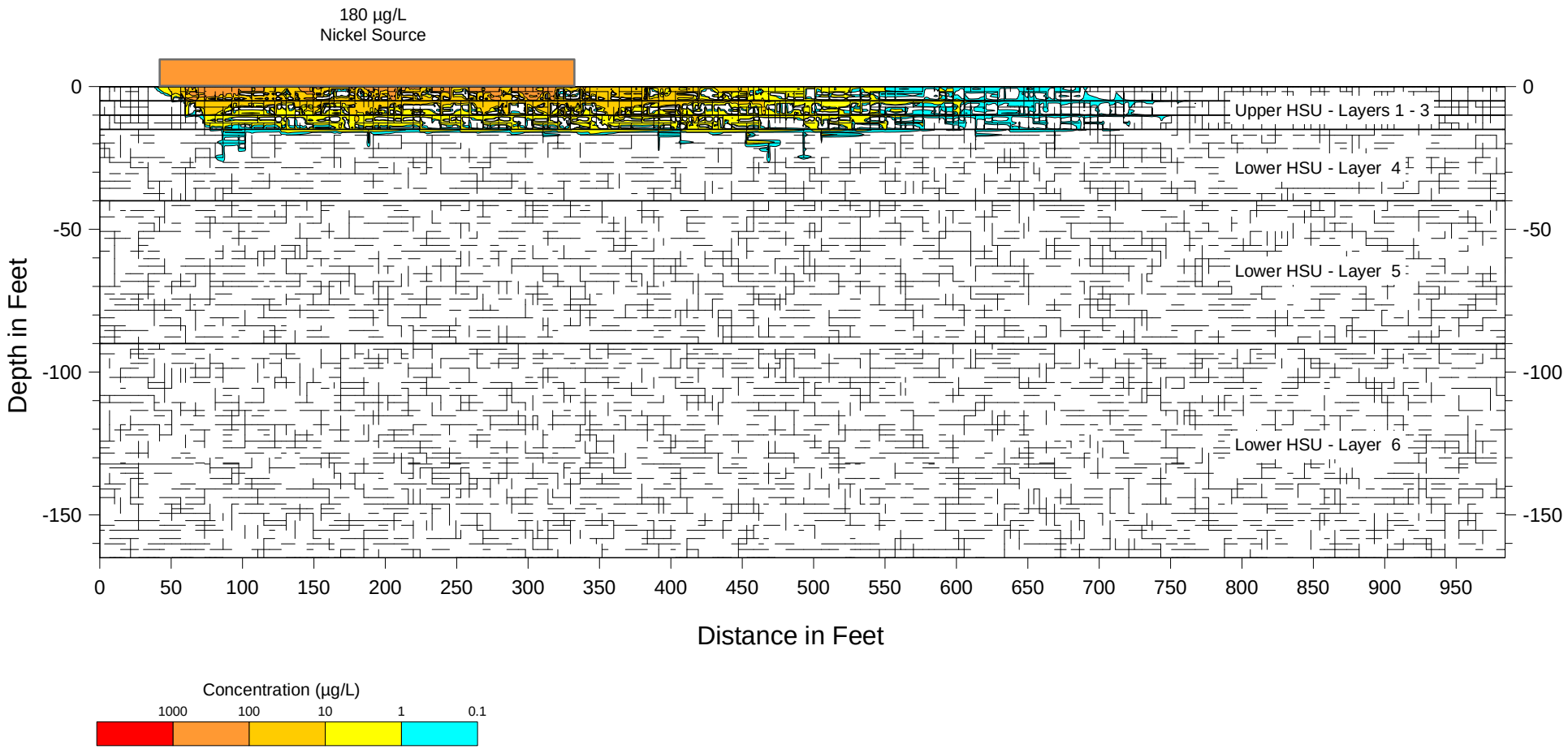
Area 5 South Cadmium Source Removed
Simulation Time - 180 Years After Source Removal
Fracture Flow and Transport Model

Final Feasibility Study
Casmalia Resources Superfund Site
Casmalia, California

FIGURE

D2-16

DRAWN	JOB NUMBER	APPROVED	CHECKED	DATE	REVISED DATE
TFC	0020784 00.01	BB		08/2014	



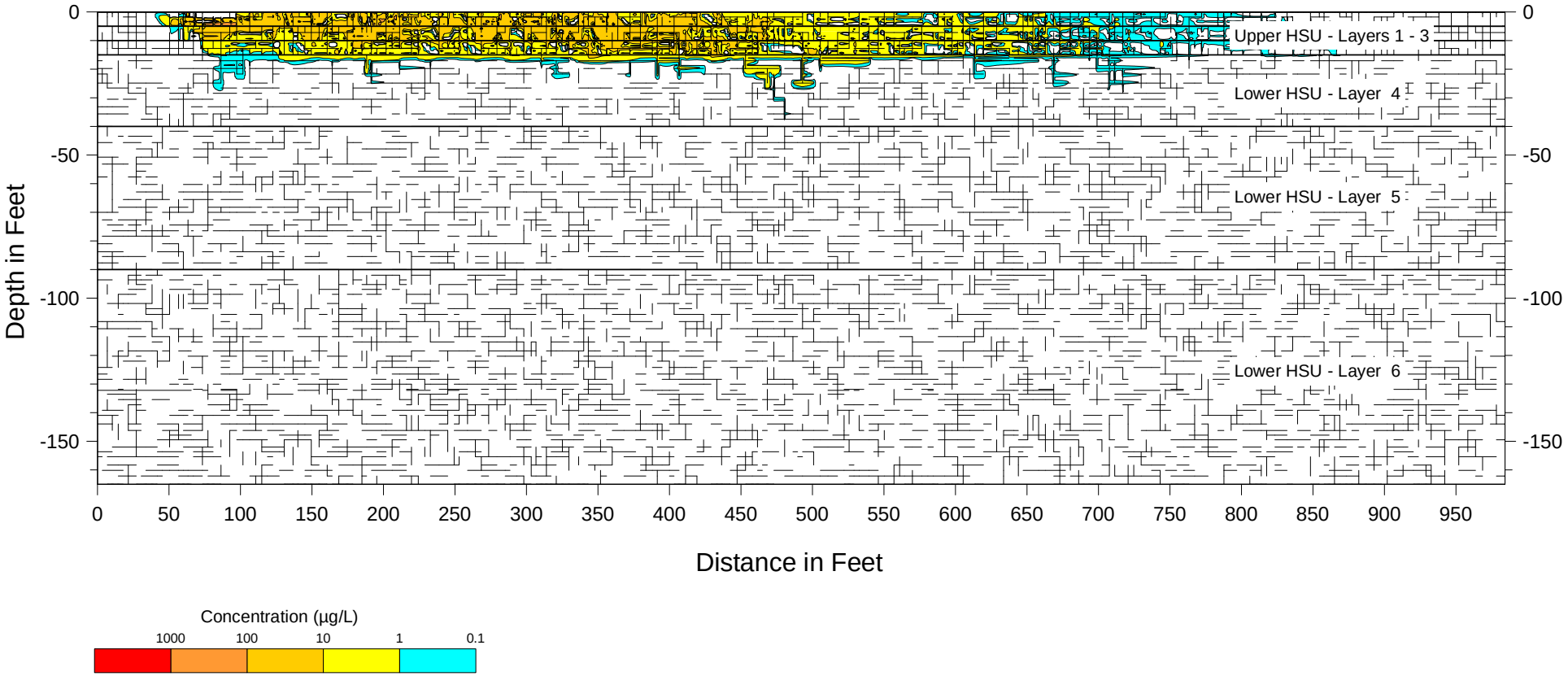
Area 5 South Nickel Source
Simulation Time - 30 Years
Fracture Flow and Transport Model

Final Feasibility Study
Casmalia Resources Superfund Site
Casmalia, California

FIGURE

D2-17

DRAWN	JOB NUMBER	APPROVED	CHECKED	DATE	REVISED DATE
TFC	0020784 00.01	BB		08/2014	



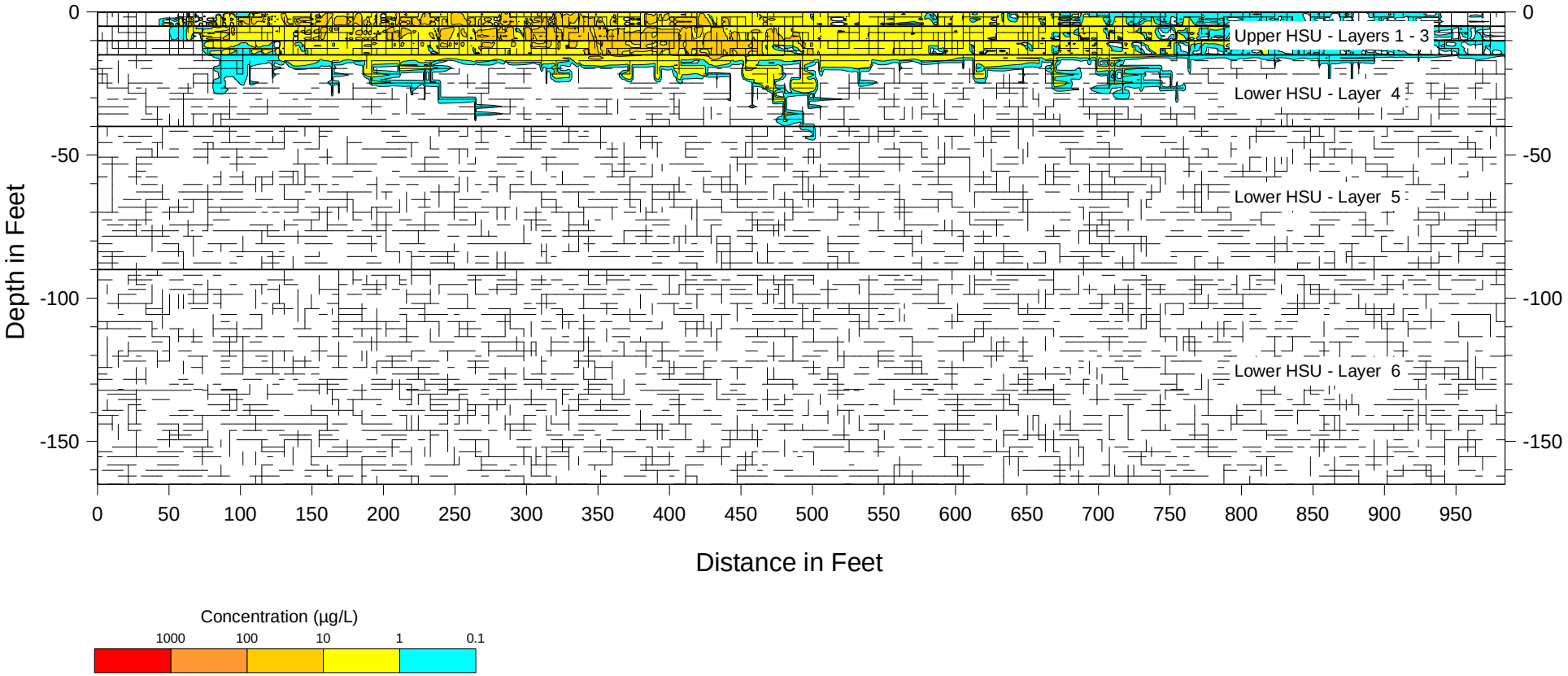
Area 5 South Nickel Source Removed
Simulation Time - 30 Years After Source Removal
Fracture Flow and Transport Model

Final Feasibility Study
Casmalia Resources Superfund Site
Casmalia, California

FIGURE

D2-18

DRAWN	JOB NUMBER	APPROVED	CHECKED	DATE	REVISED DATE
TFC	0020784 00.01	BB		08/2014	



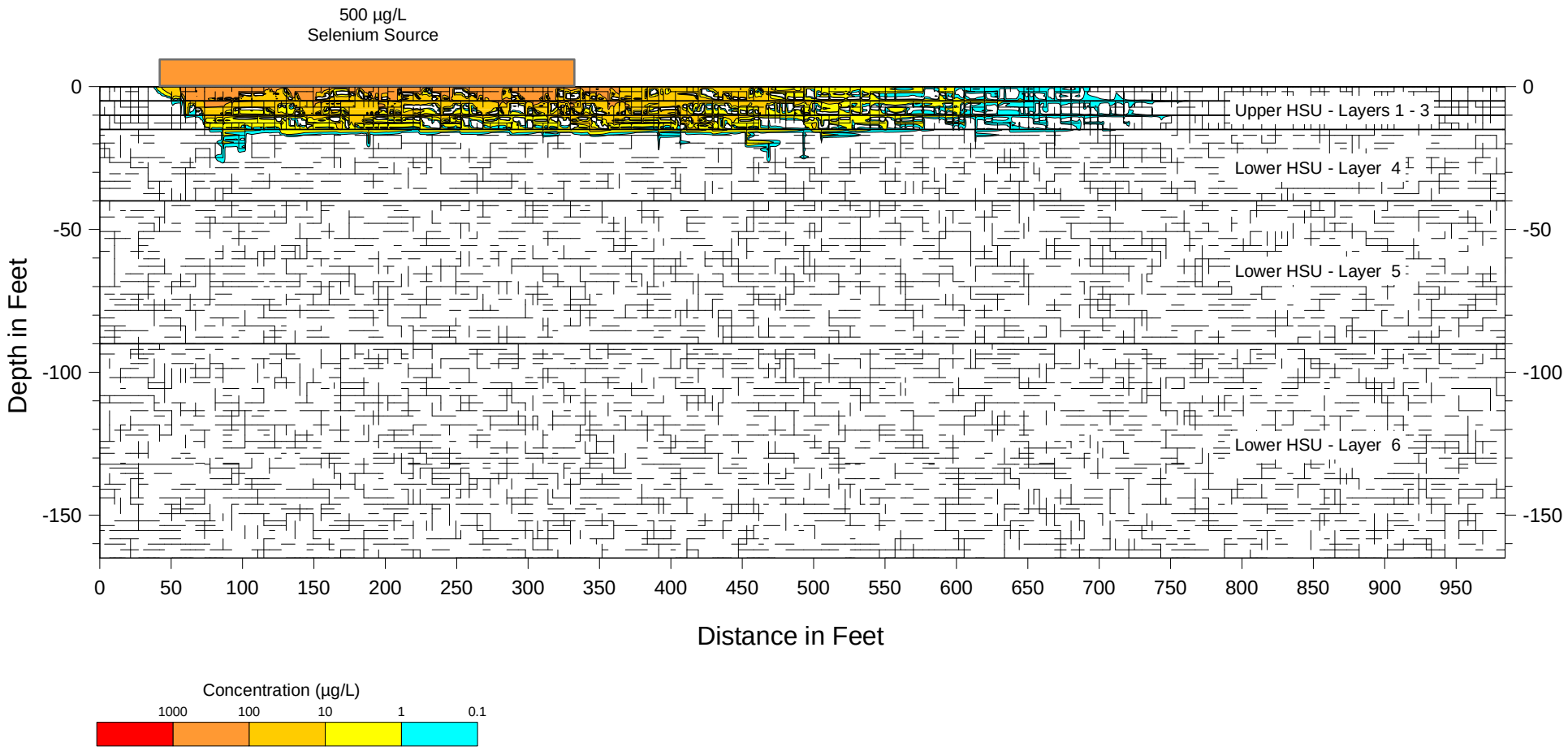
Area 5 South Nickel Source Removed
Simulation Time - 80 Years After Source Removal
Fracture Flow and Transport Model

Final Feasibility Study
Casmalia Resources Superfund Site
Casmalia, California

FIGURE

D2-19

DRAWN	JOB NUMBER	APPROVED	CHECKED	DATE	REVISED DATE
TFC	0020784 00.01	BB		08/2014	



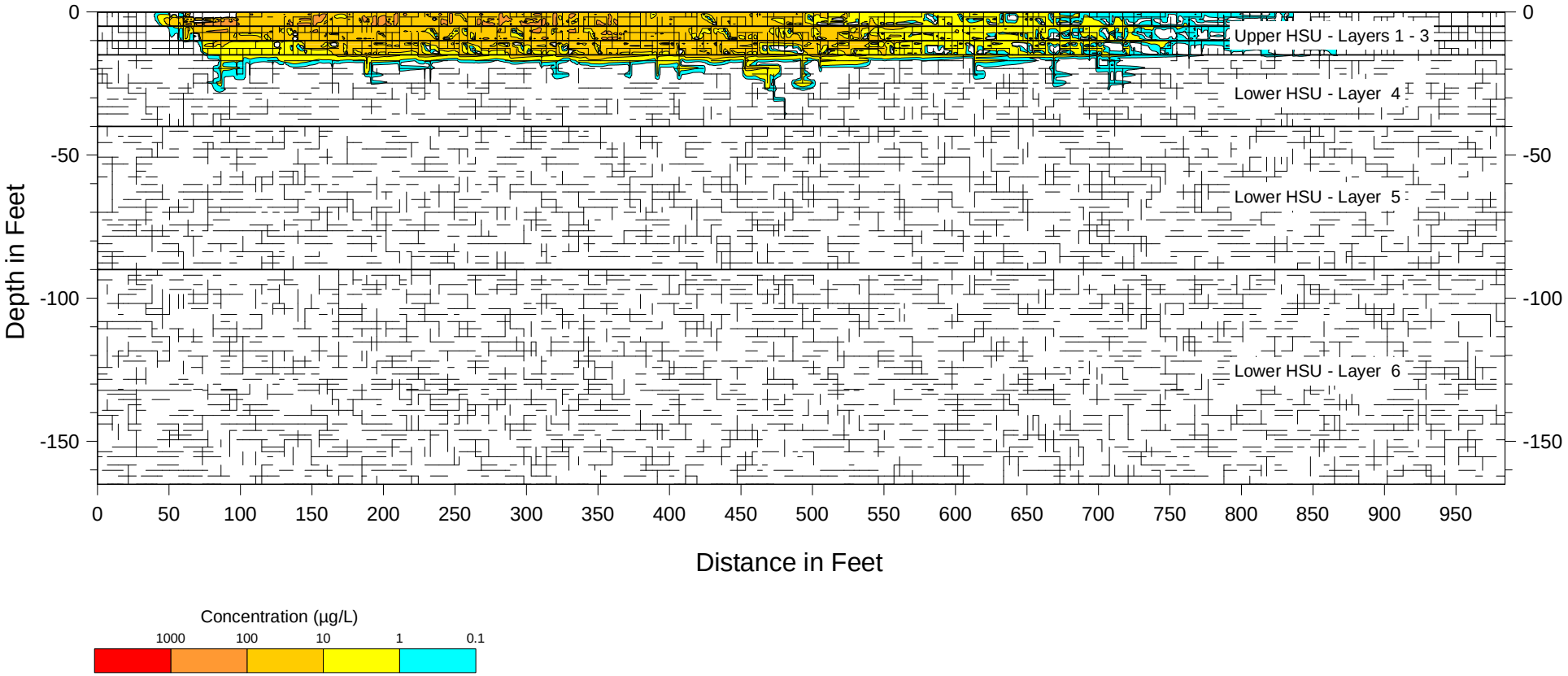
Area 5 South Selenium Source
Simulation Time - 30 Years
Fracture Flow and Transport Model

Final Feasibility Study
Casmalia Resources Superfund Site
Casmalia, California

FIGURE

D2-20

DRAWN	JOB NUMBER	APPROVED	CHECKED	DATE	REVISED DATE
TFC	0020784 00.01	BB		08/2014	



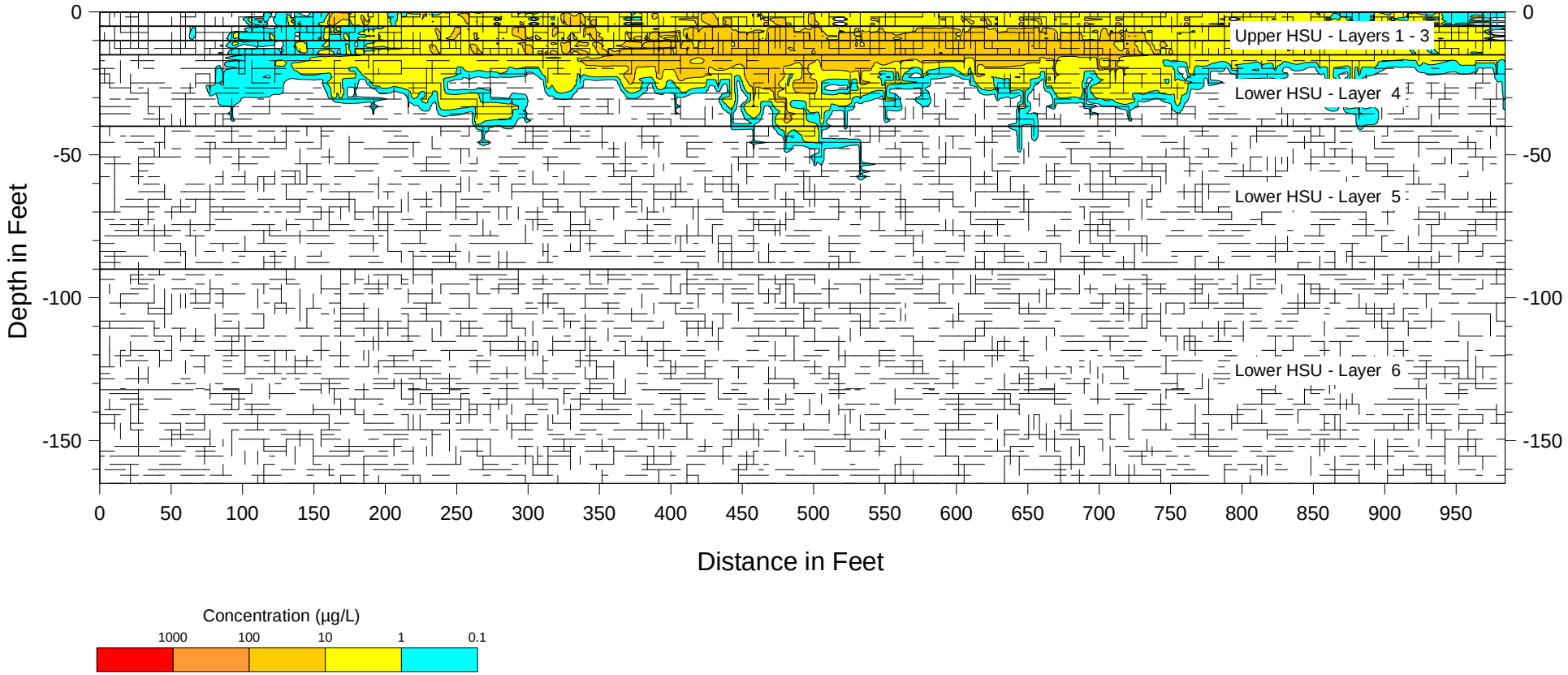
Area 5 South Selenium Source Removed
Simulation Time - 30 Years After Source Removal
Fracture Flow and Transport Model

Final Feasibility Study
Casmalia Resources Superfund Site
Casmalia, California

FIGURE

D2-21

DRAWN	JOB NUMBER	APPROVED	CHECKED	DATE	REVISED DATE
TFC	0020784 00.01	BB		08/2014	



Area 5 South Selenium Source Removed
Simulation Time - 210 Years After Source Removal
Fracture Flow and Transport Model

Final Feasibility Study
Casmalia Resources Superfund Site
Casmalia, California

FIGURE

D2-22

DRAWN	JOB NUMBER	APPROVED	CHECKED	DATE	REVISED DATE
TFC	0020784 00.01	BB		08/2014	