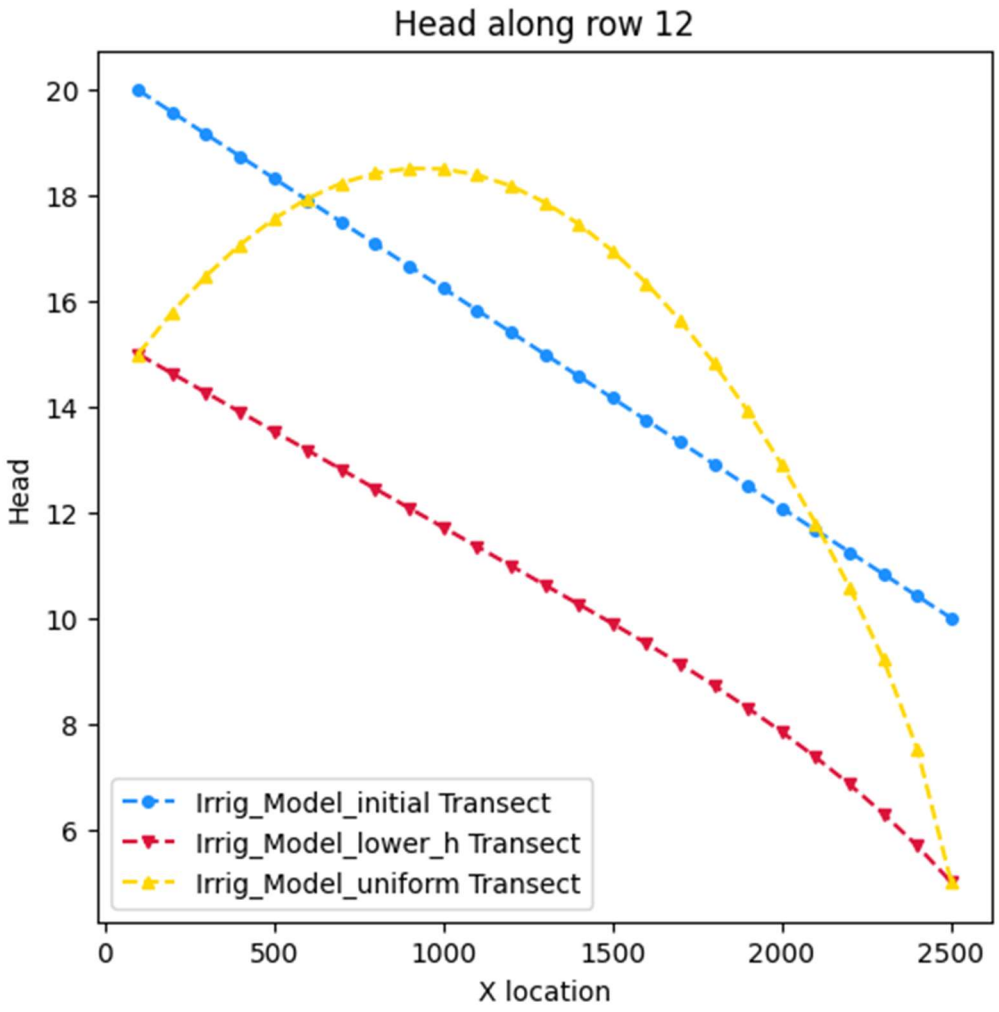
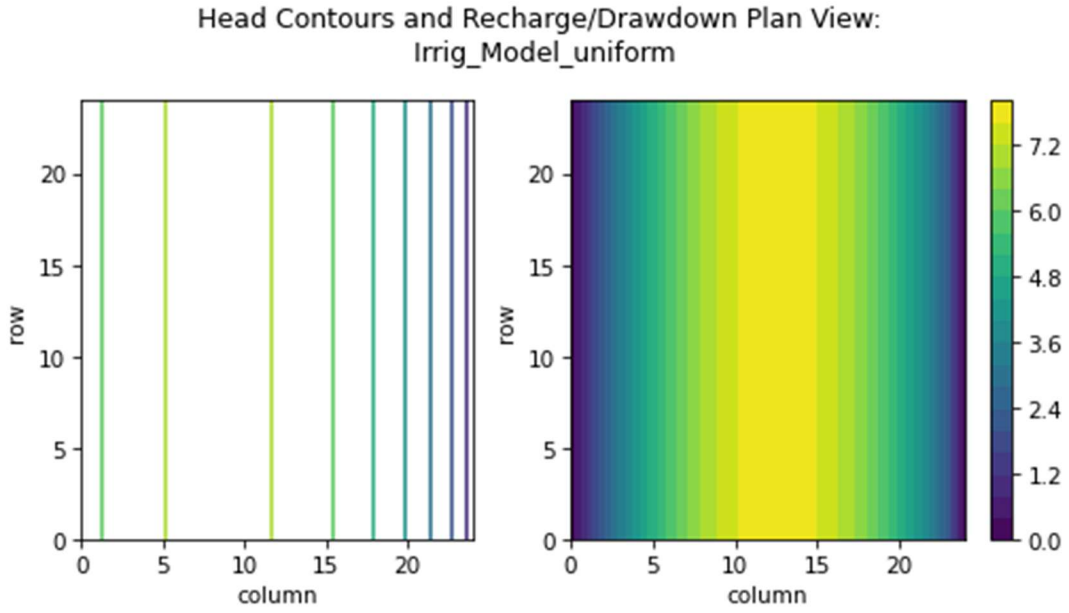
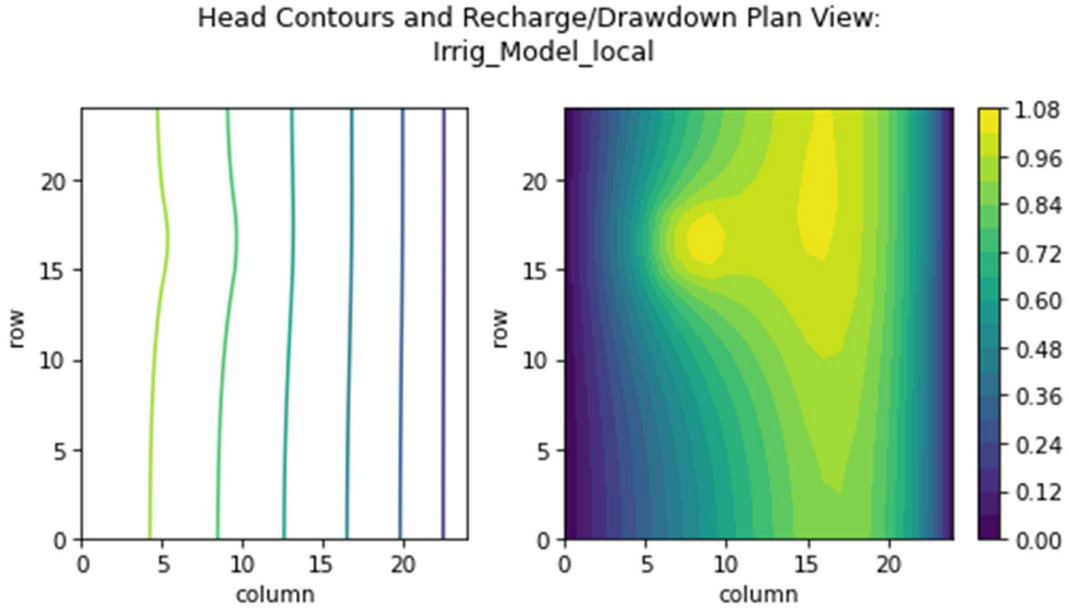
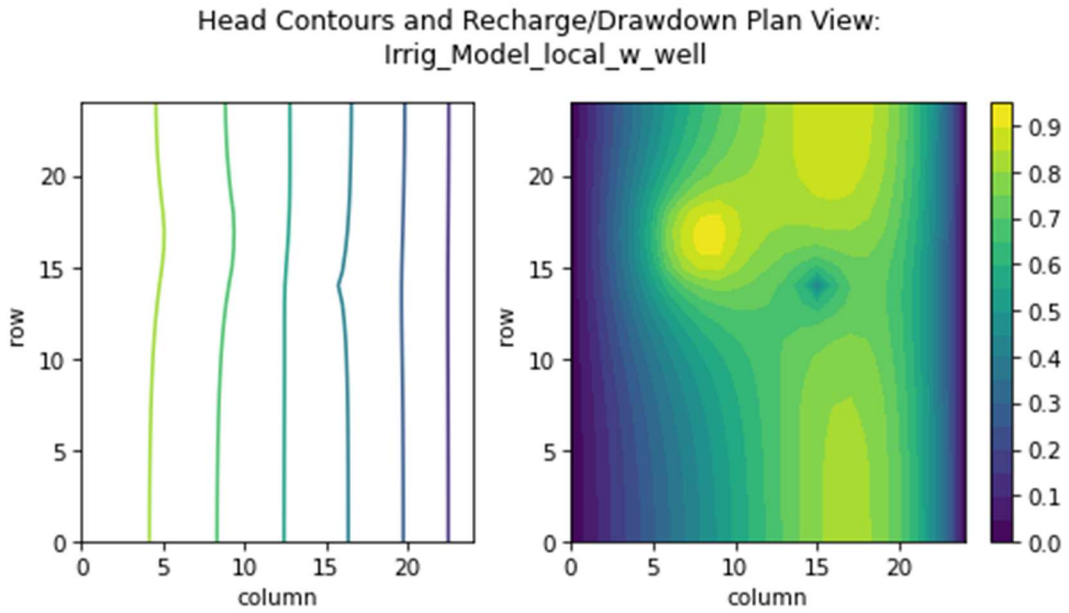
1.


Head along row 12
Head
X location
20
18
16
14
12
10
8
6
0
500
1000
1500
2000
2500
Irrig_Model_initial Transect
Irrig_Model_lower_h Transect
Irrig_Model_uniform Transect

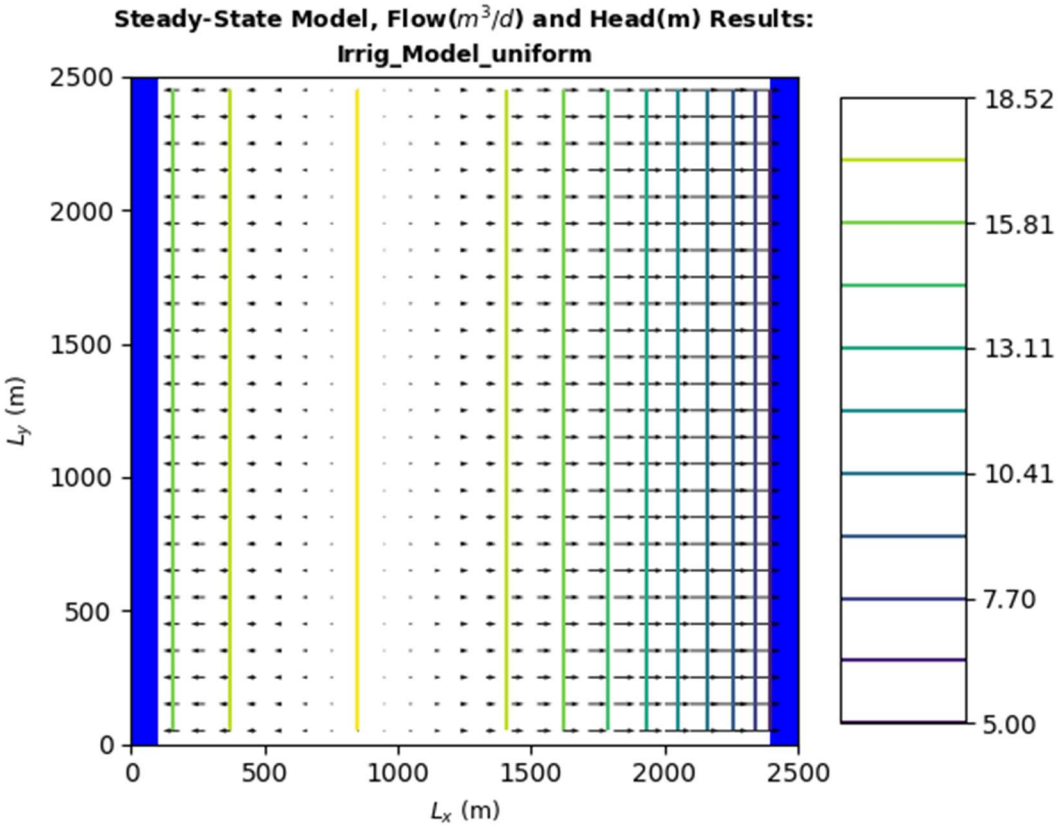
2.

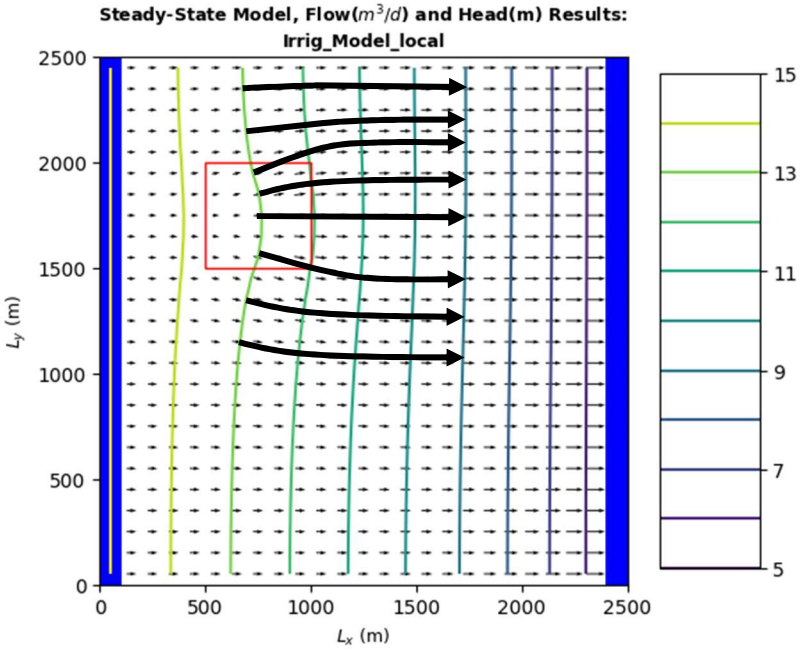

Head Contours and Recharge/Drawdown Plan View:
Irrig_Model_uniform
row
column
0
5
10
15
20
7.2
6.0
4.8
3.6
2.4
1.2
0.0


Head Contours and Recharge/Drawdown Plan View:
Irrig_Model_local
row
column
0
5
10
15
20
1.08
0.96
0.84
0.72
0.60
0.48
0.36
0.24
0.12
0.00


Head Contours and Recharge/Drawdown Plan View:
Irrig_Model_local_w_well
row
column
0
5
10
15
20
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9

3.


Steady-State Model, Flow(m^3/d) and Head(m) Results:
Irrig_Model_uniform
2500
2000
1500
1000
500
0
L_y (m)
0
500
1000
1500
2000
2500
L_x (m)
18.52
15.81
13.11
10.41
7.70
5.00


Steady-State Model, Flow(m^3/d) and Head(m) Results:
Irrig_Model_local
2500
2000
1500
1000
500
0
L_y (m)
0
500
1000
1500
2000
2500
L_x (m)
15
13
11
9
7
5

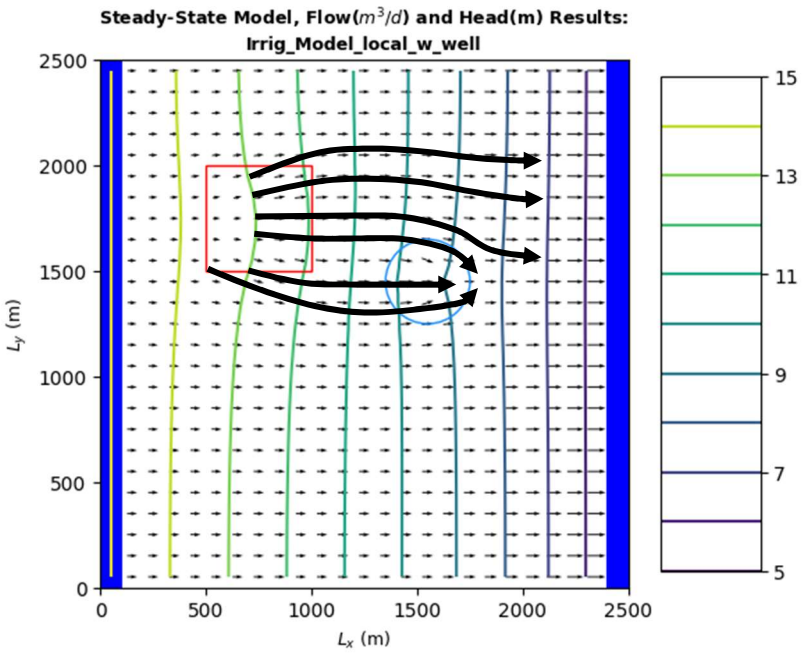


Figure 1: Local Recharge area is surrounded by the red box, the blue circle represents the zone of capture (roughly) of the well, and the black arrows represent the flow lines of particles near the recharge/well areas. If a contaminant were to be released within the lower half of the Local Recharge area, the well would likely pick-up the contaminant at some point in time (depends on movement speed through the system and what the degradation rate/diffusion/etc. characteristics of the contaminant are).