

Ron Cockburn's Pond Elevation June 6, 2022	1111.41
Peter's Gravel Pit Elevation June 6, 2022	1109.45
Stream Elevation between Ron Cockburn and Peter's Pit	1108.41
Tim Nelson's Pond Elevation November 20, 2021	1111.48
Peters Gravel Pit Elevation November 19, 2021	1099.65
Peters Gravel Pit Well Elevation November 19, 2021	1108.56

Monitoring Wells installed at two locations on 11-08-13  
 One near Little Sioux Park and One near Peter's Gravel Pit  
 Monitoring the wells for static water table elevation from 11-08-13 through 6-27-22  
 Recorded elevations with GPS at Little Sioux Park swim area and Peter's Gravel Pit from 11-8-21 through 6-27-22

**Peter's Pit**

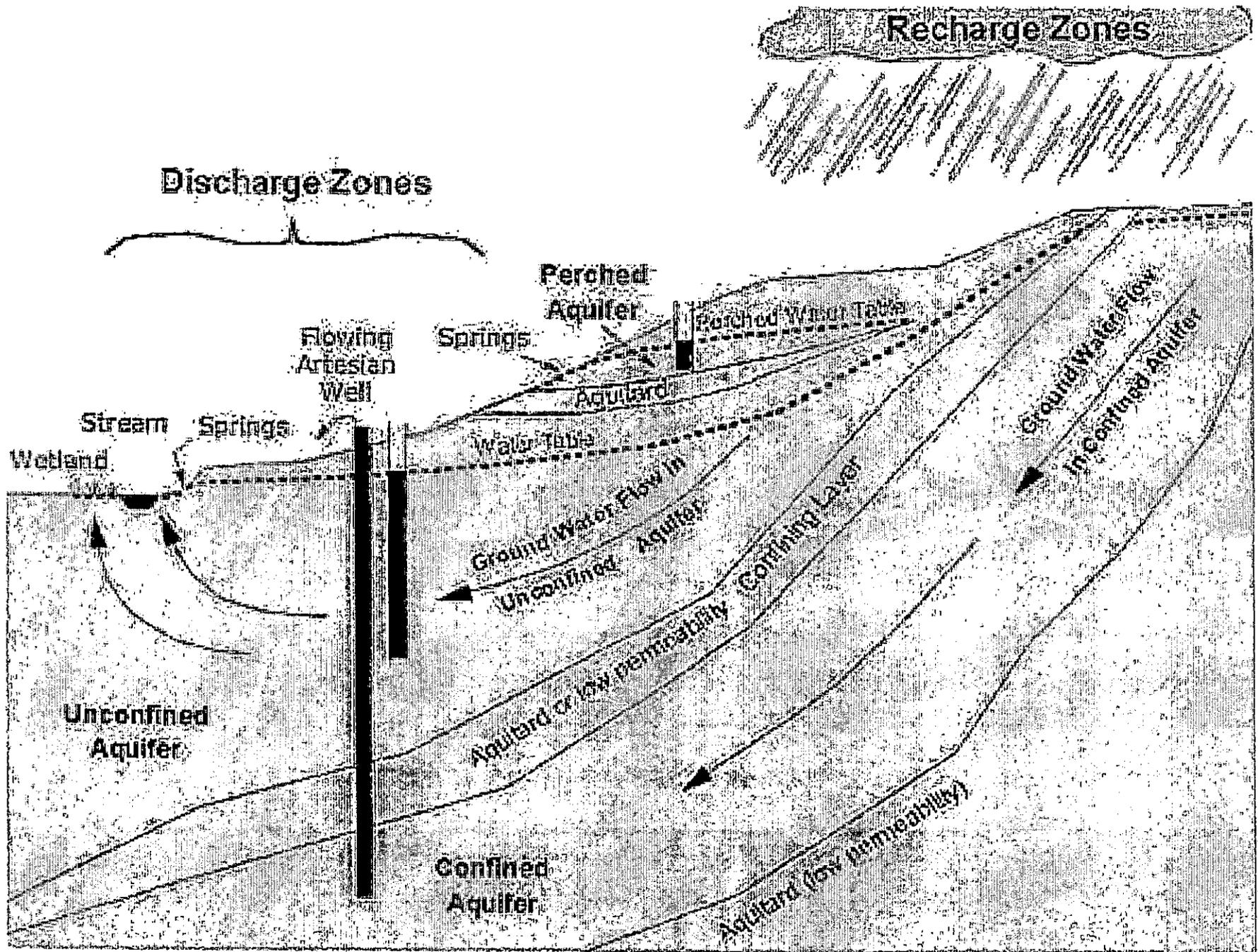
Lowest recorded elevation from monitoring well	1104.11	December 22, 2021
Highest recorded elevation from Peter's Gravel Pit	1119.36	July 8, 2014 (Flood Event)

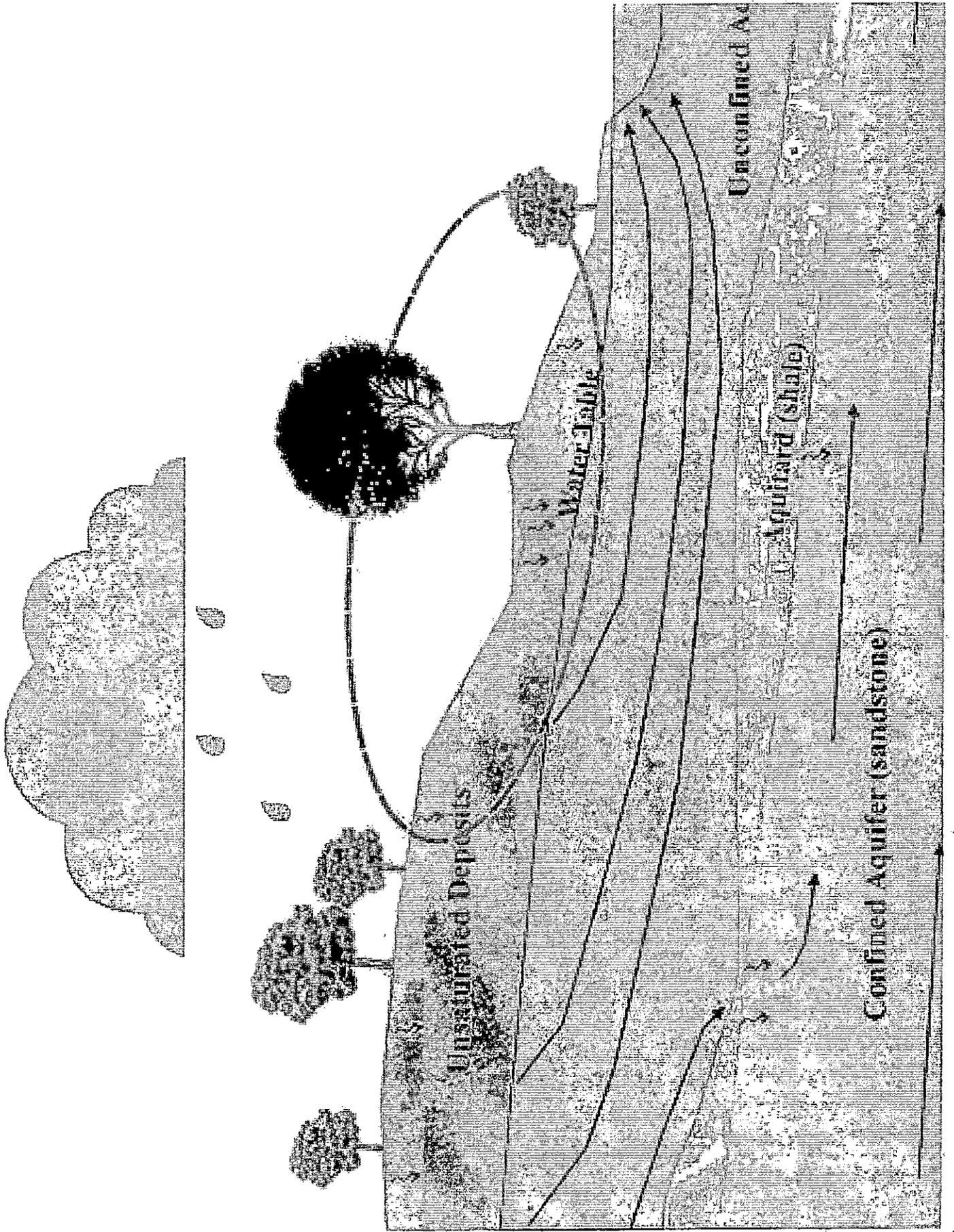
Elevation rise and fall due to the flood of 2014 (Peter's Gravel Pit Monitoring Well)

June 4, 2014	1112.71
June 10, 2014	1112.81
June 26, 2014	1118.49
July 8, 2014	1119.36
July 29, 2014	1118.95
August 18, 2014	1118.55
September 15, 2014	1113.49
September 30, 2014	1111.09
October 17, 2014	1110.53

Comparisons P=Pumping water from Peters Gavel Pit

	GPS			GPS
	Peters Well	Peters Gravel Pit	Little Sioux Well	Little Sioux Pond
11-04-21	1113.87	1114.19	1113.77	1113.95
P11-10-21	1111.89	1108.40	1113.60	1114.06
P11-17-21	1108.99	1100.43	1113.17	1113.95
P11-18-21	1108.56	1099.68	1113.17	
P11-29-21	1105.27	1103.21		
P12-03-21	1107.74	1101.38		1113.31
P12-07-21	1104.25	1099.82	1111.94	1113.27
12-22-21	1104.11	1103.90	1111.27	1112.75
02-10-22	1107.32		1110.39	1113.13
02-23-22	1107.69			
03-15-22	1108.24	1108.64	1110.27	1111.08
04-20-22	1109.15	1109.40	1110.30	1110.96
P06-01-22	1109.59	1109.45	1110.54	1111.02
P06-13-22	1108.72			
P06-17-22	1108.32	1108.13	1110.25	1111.92
06-27-22	1108.03	1108.29	1110.16	1110.96





# Gravel Pit Operations

**Legend**

-  Bellamy Campground
-  Correctionville



Google Earth 

4000 ft

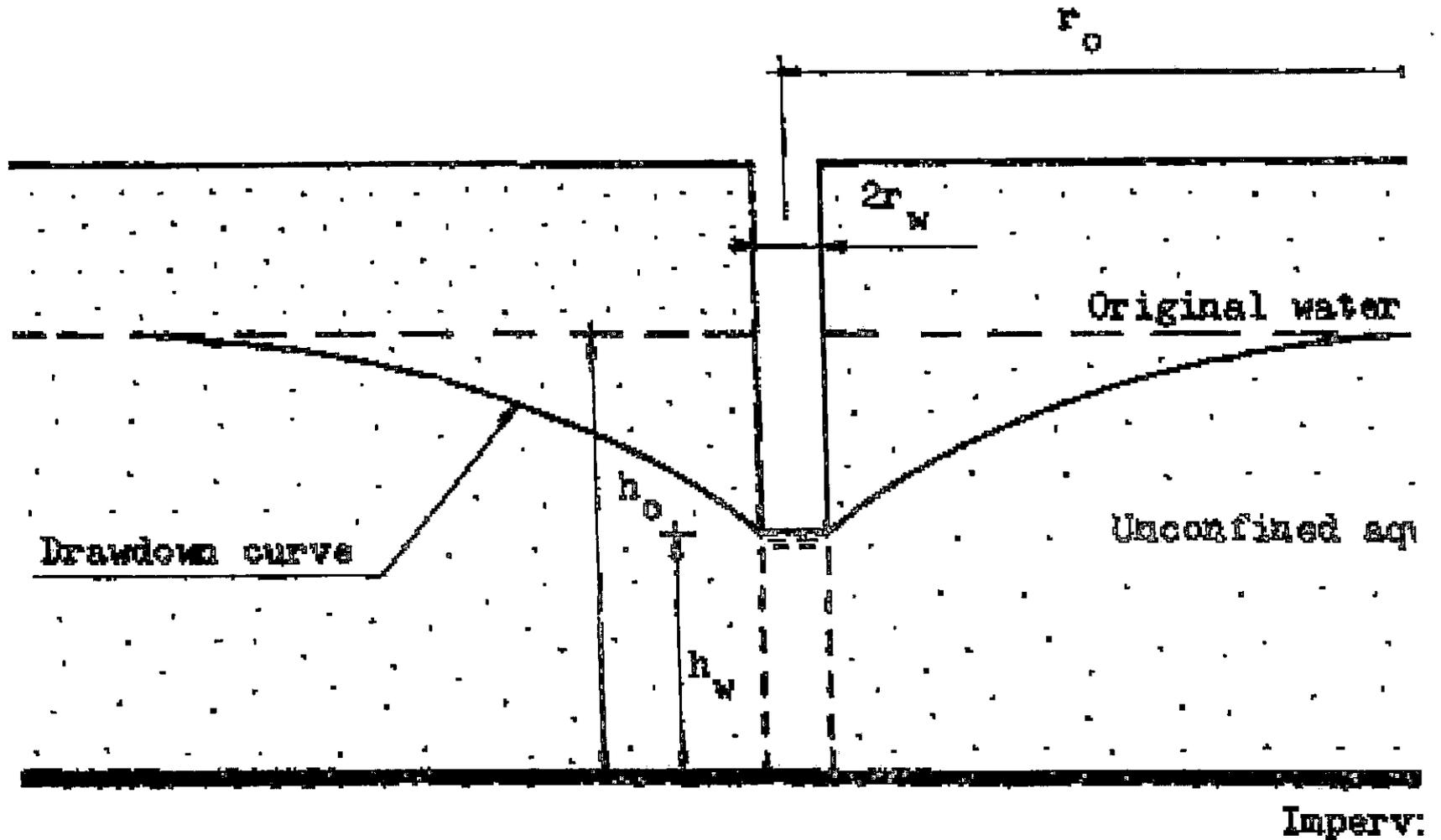


Figure 20. Radial flow in an unconfined aquifer

Dupuit's method

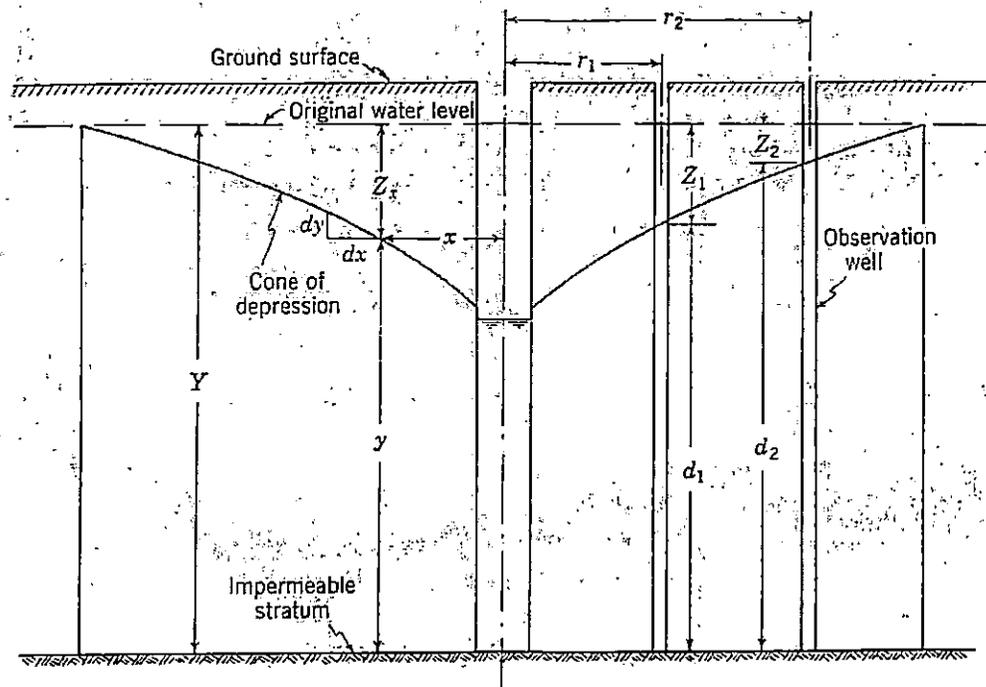


Figure 4-7 Definition sketch for a well-discharge equation for water-table conditions.