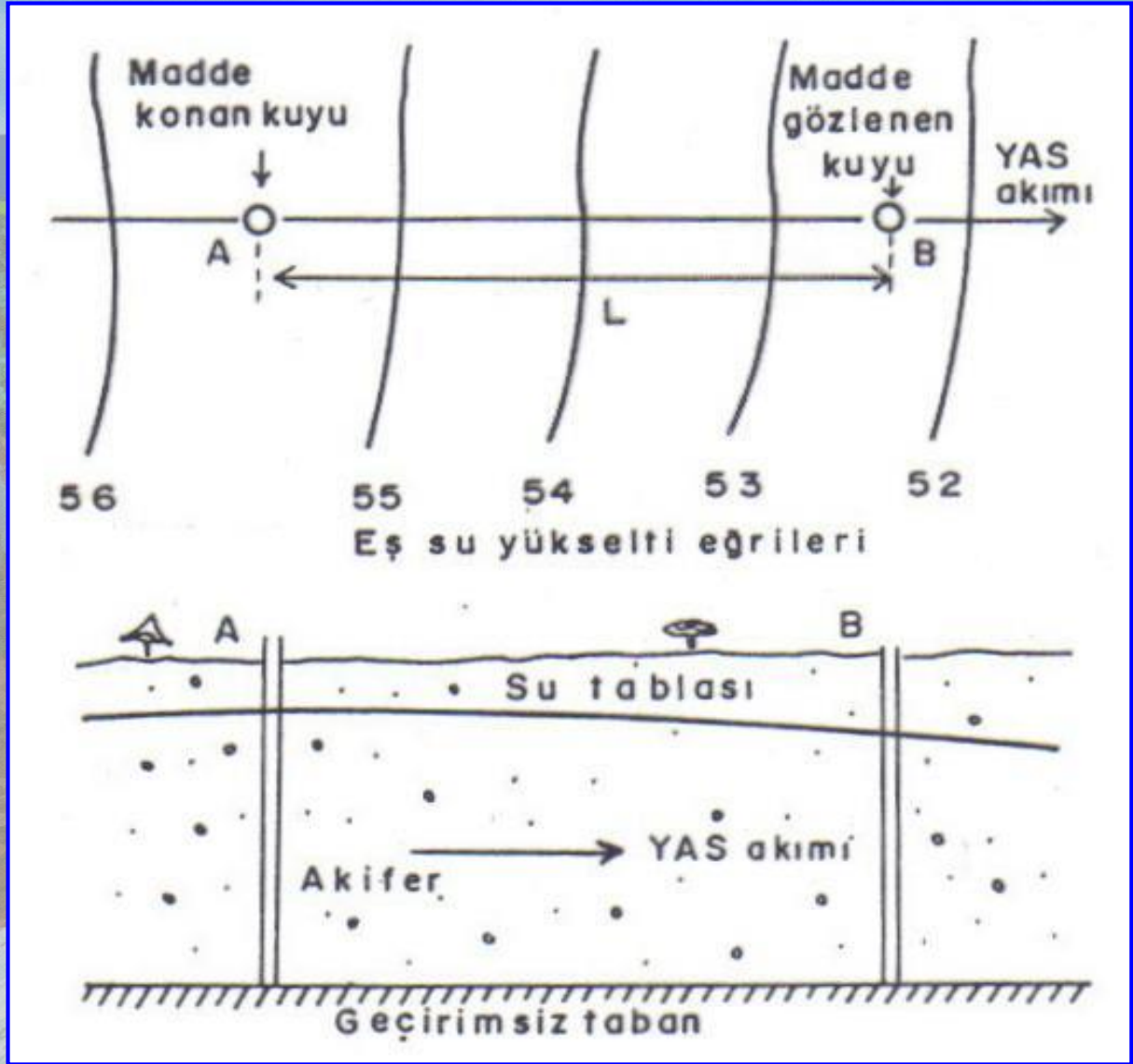
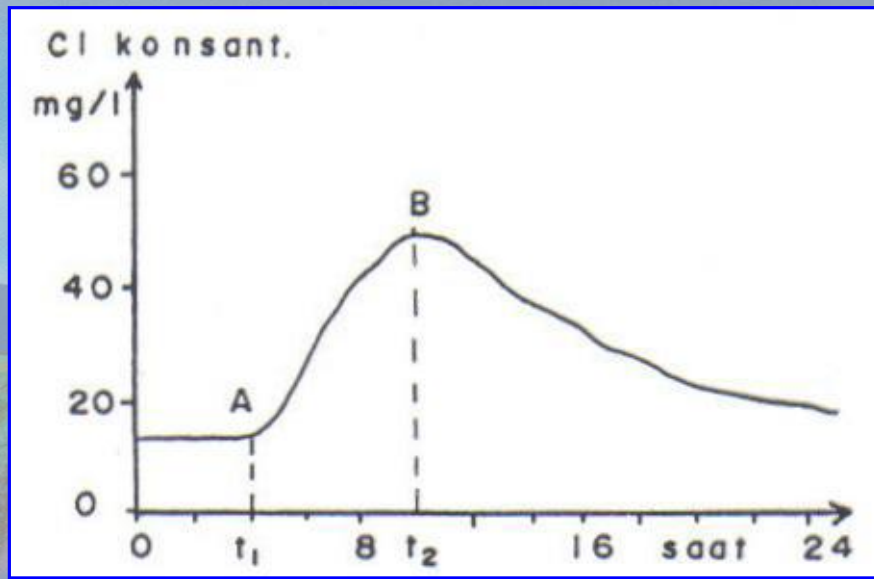


YERALTI SUYU AKIM HIZININ İZLEYİCİLER KULLANILARAK TAYİNİ

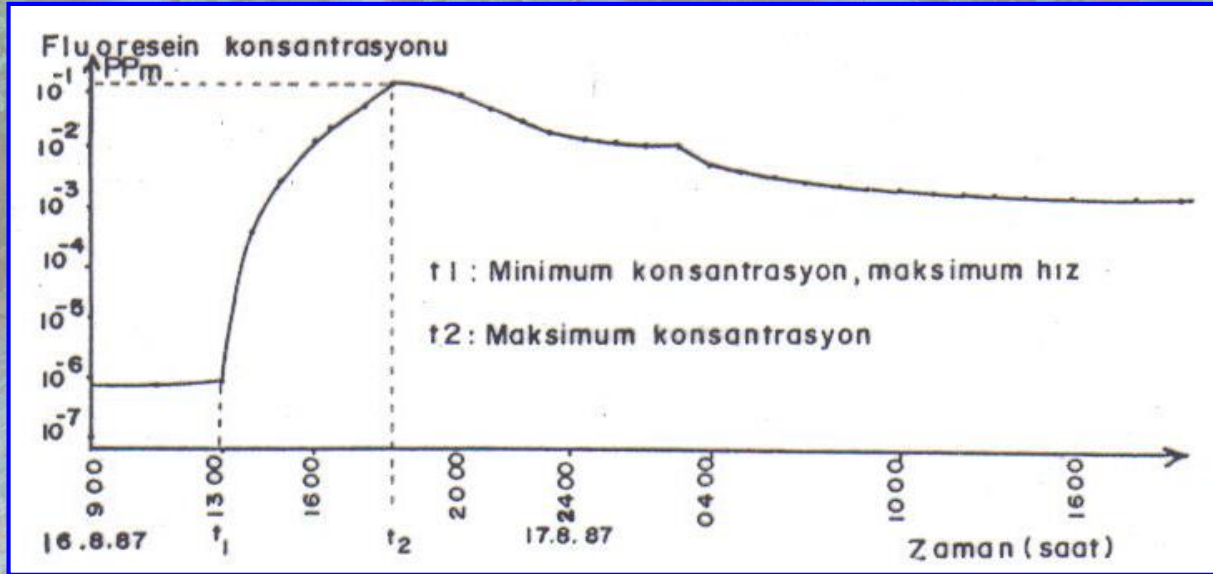




İzleyicilerin kullanılması
(Harita ve kesit)



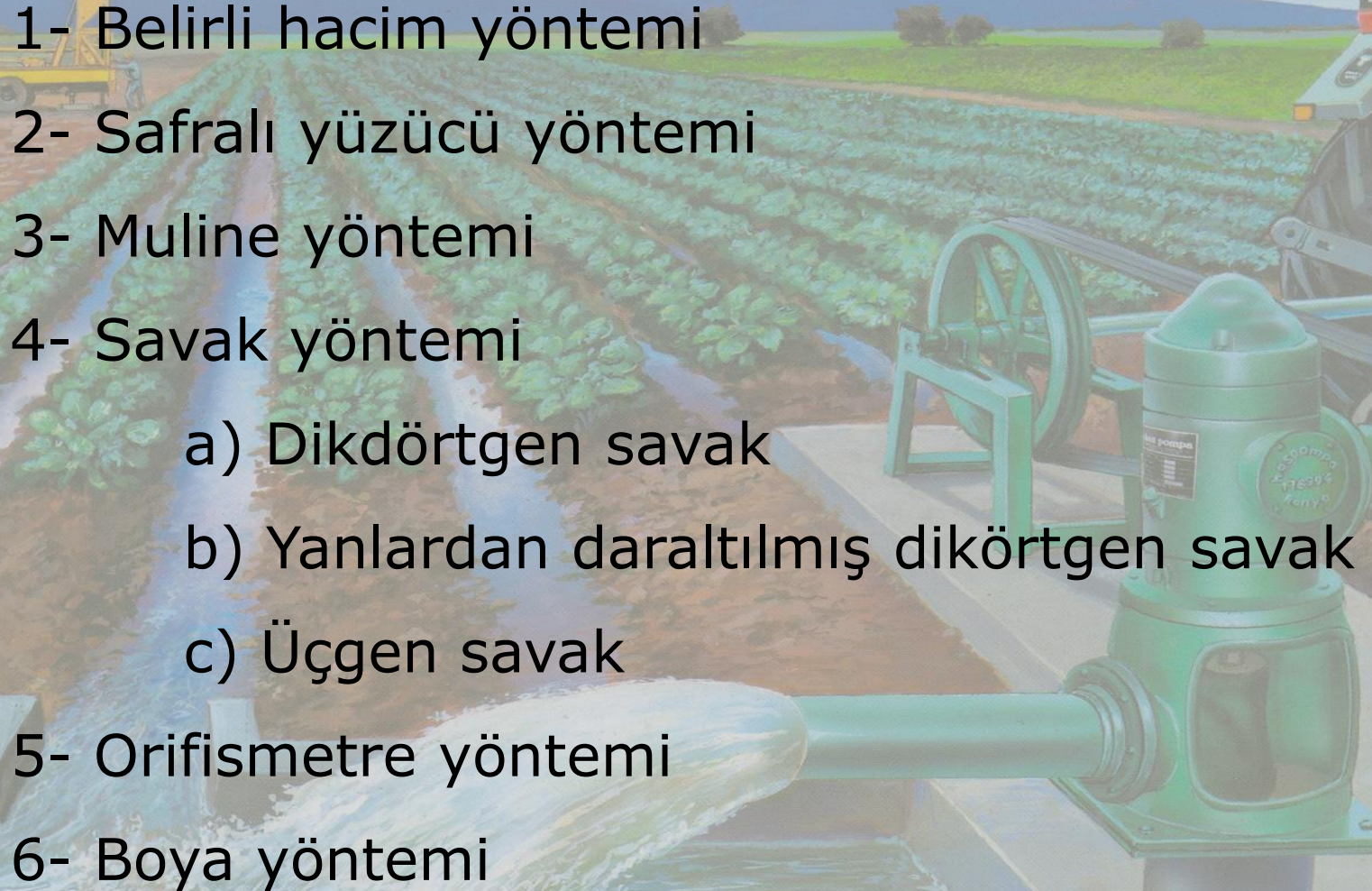
Sofra tuzu deneyinde zaman-konsantrasyon grafiđi

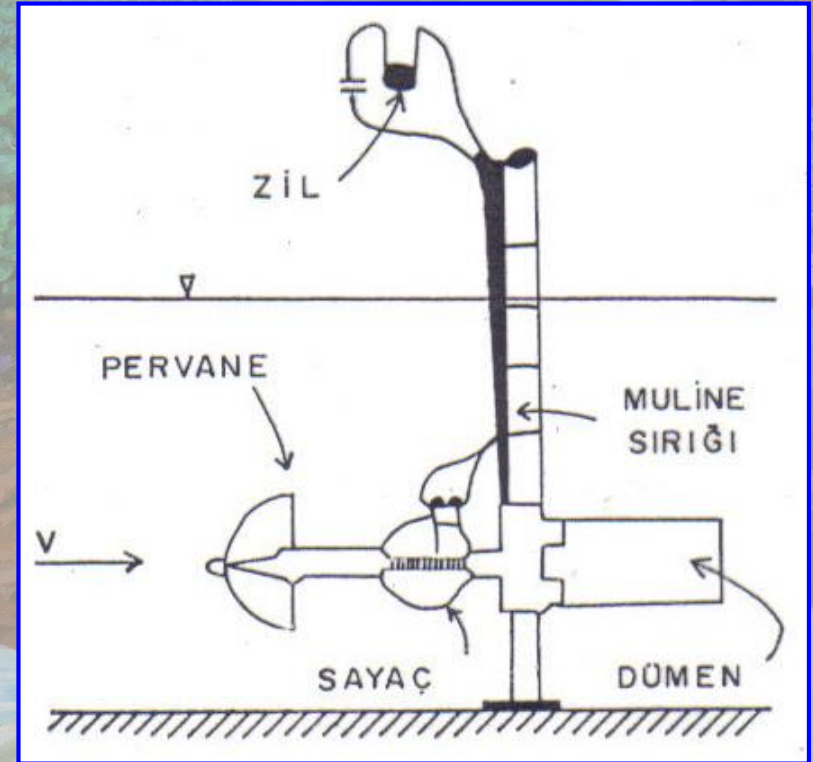
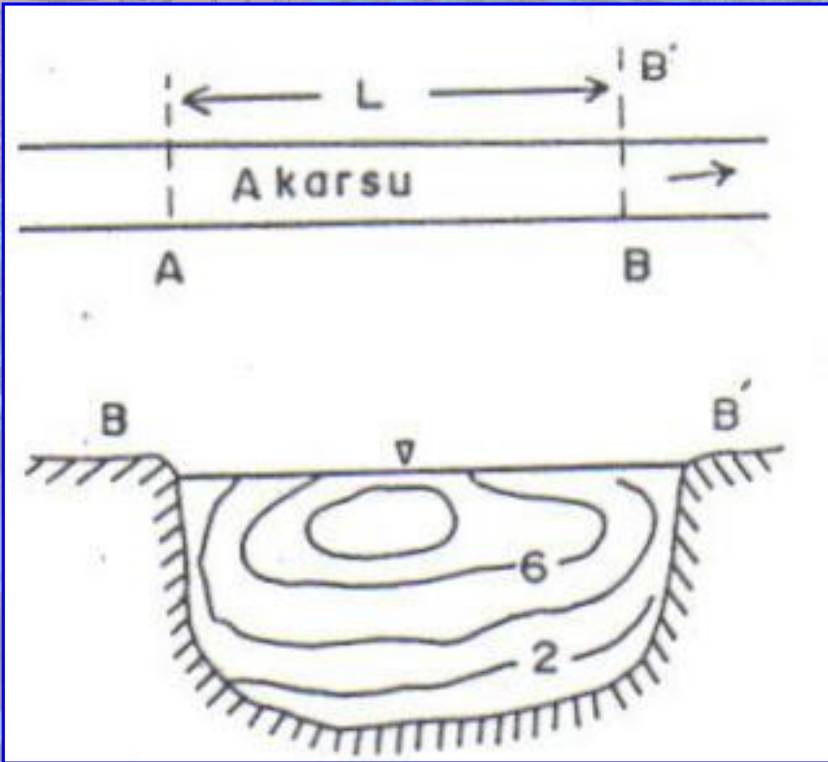


Canik (2007)

Orhangazi-Nadir kaynađı zaman-boya konsantrasyon grafiđi

DEBİ ÖLÇME YÖNTEMLERİ

- 1- Belirli hacim yöntemi
 - 2- Safralı yüzücü yöntemi
 - 3- Muline yöntemi
 - 4- Savak yöntemi
 - a) Dikdörtgen savak
 - b) Yanlardan daraltılmış dikdörtgen savak
 - c) Üçgen savak
 - 5- Orifis metre yöntemi
 - 6- Boya yöntemi
- 



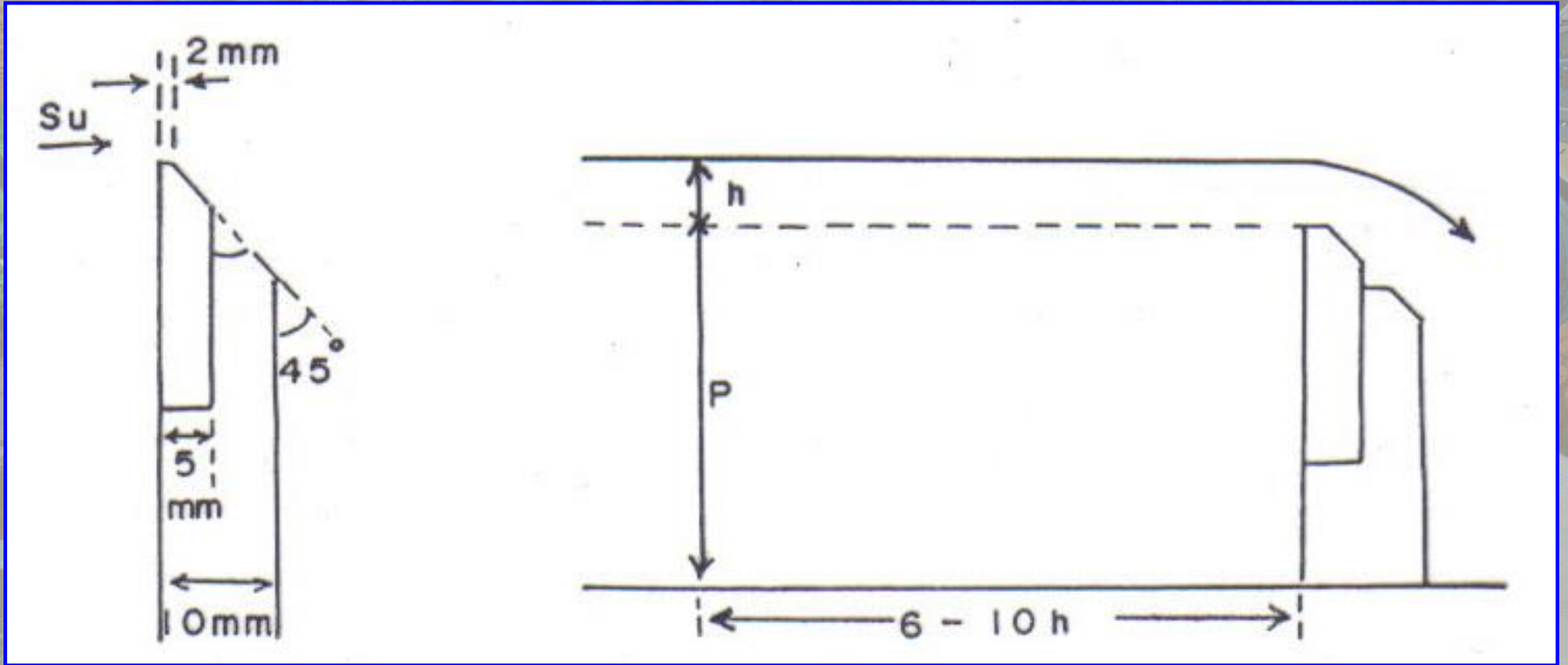
Safralı yüzücülerle debi ölçümü

Pervaneli muline



Akarsuda debi ölçümü - Çerkeş (Çankırı), 2003

Dikdörtgen savak (Bazin savađı)



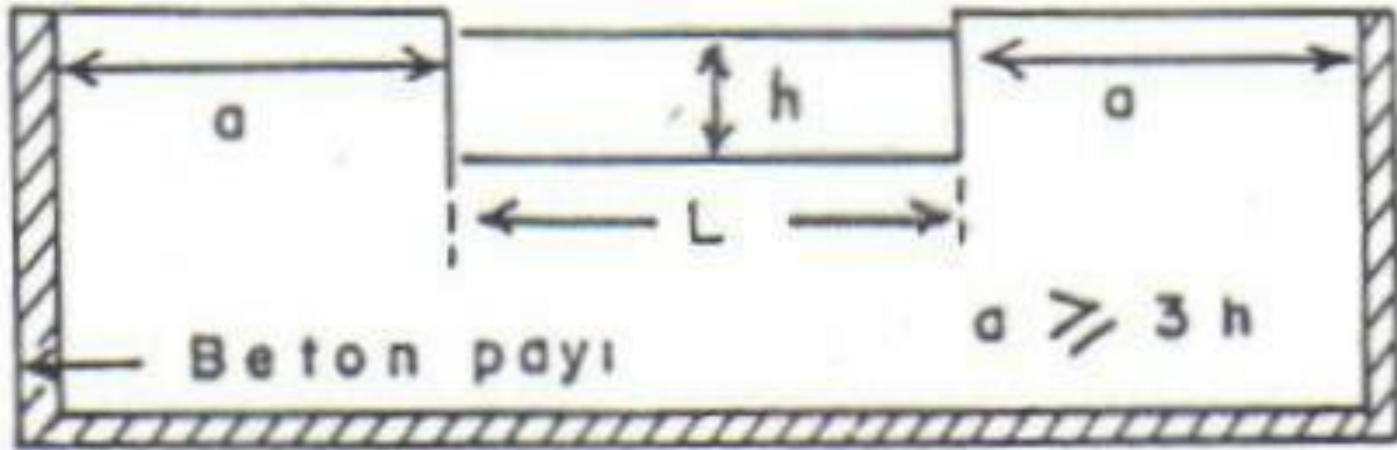


DİKDÖRTGEN SAVAK

01026 ↑



Yanlardan daraltılmış dikdörtgen savak





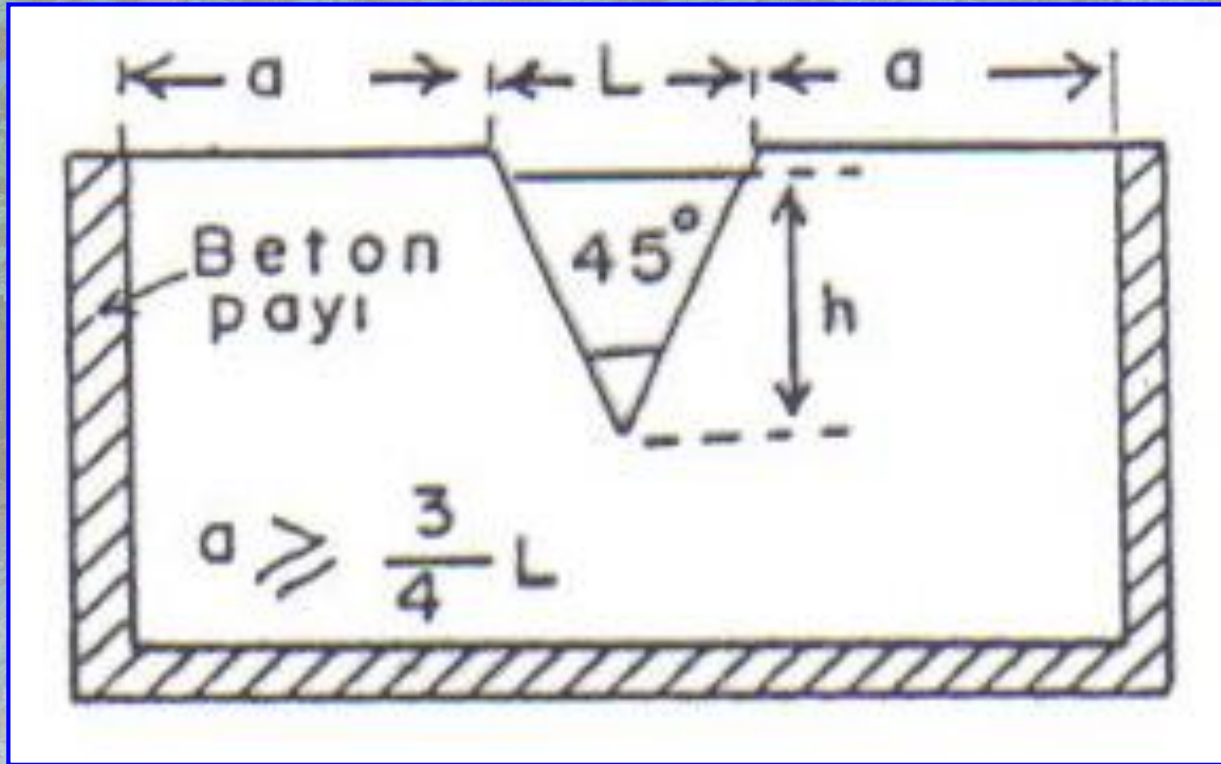
7 5 2010





7 5 2010

Üçgen Savak



Üçgen savak uygulaması

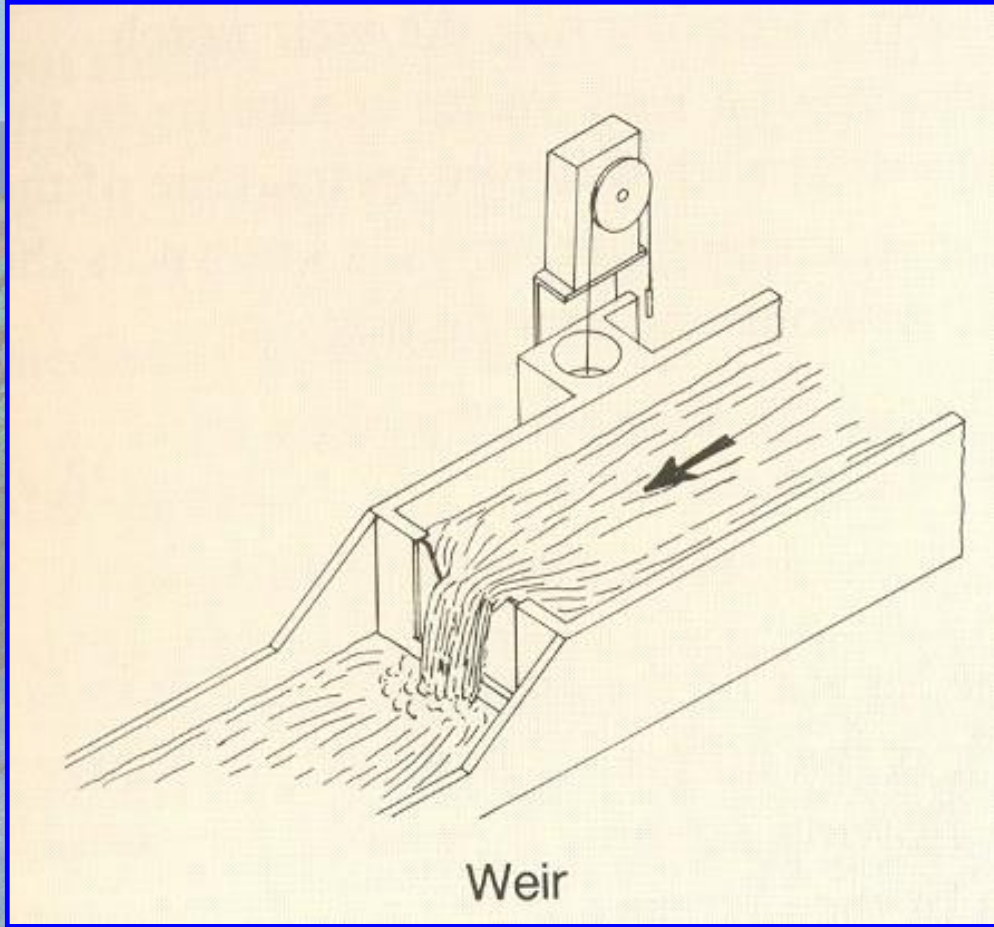
(Mamak Çöplüğü –
Ankara, sızıntı suları,
2004)

Beton payı, X

Savak açıklığı, L

Savak boyu ($2a + L$)

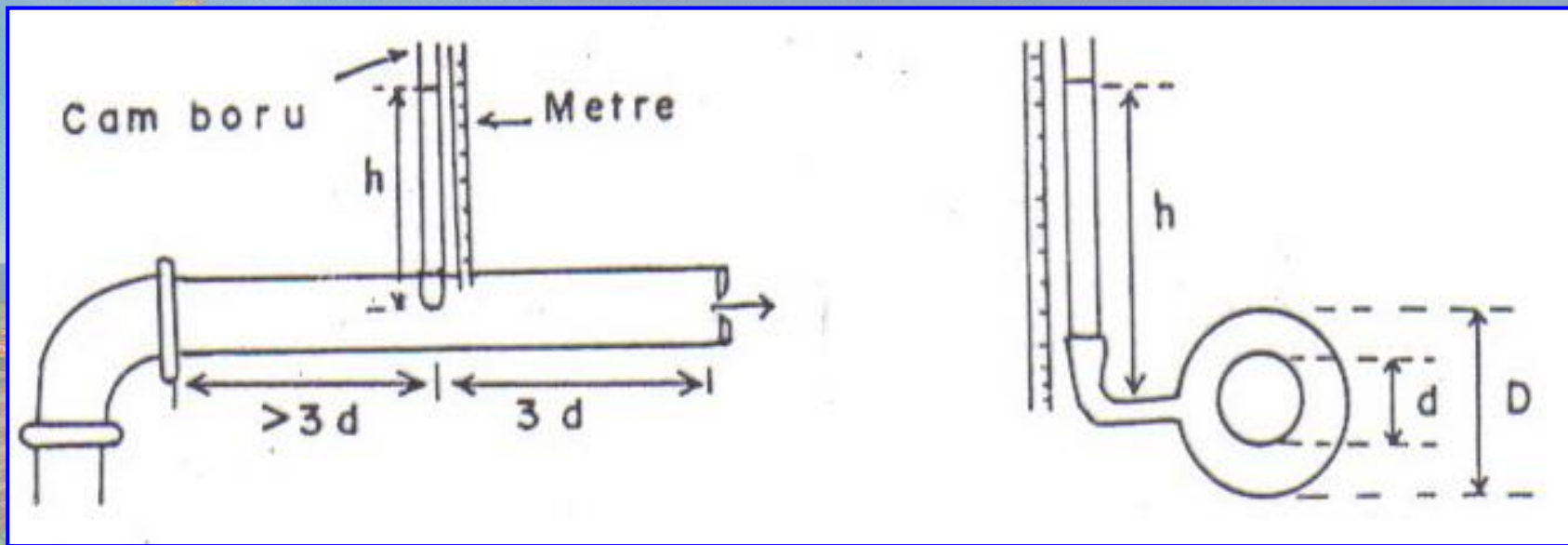




Üçgen savakta ideal ölçüm ve savağın yerleşimi

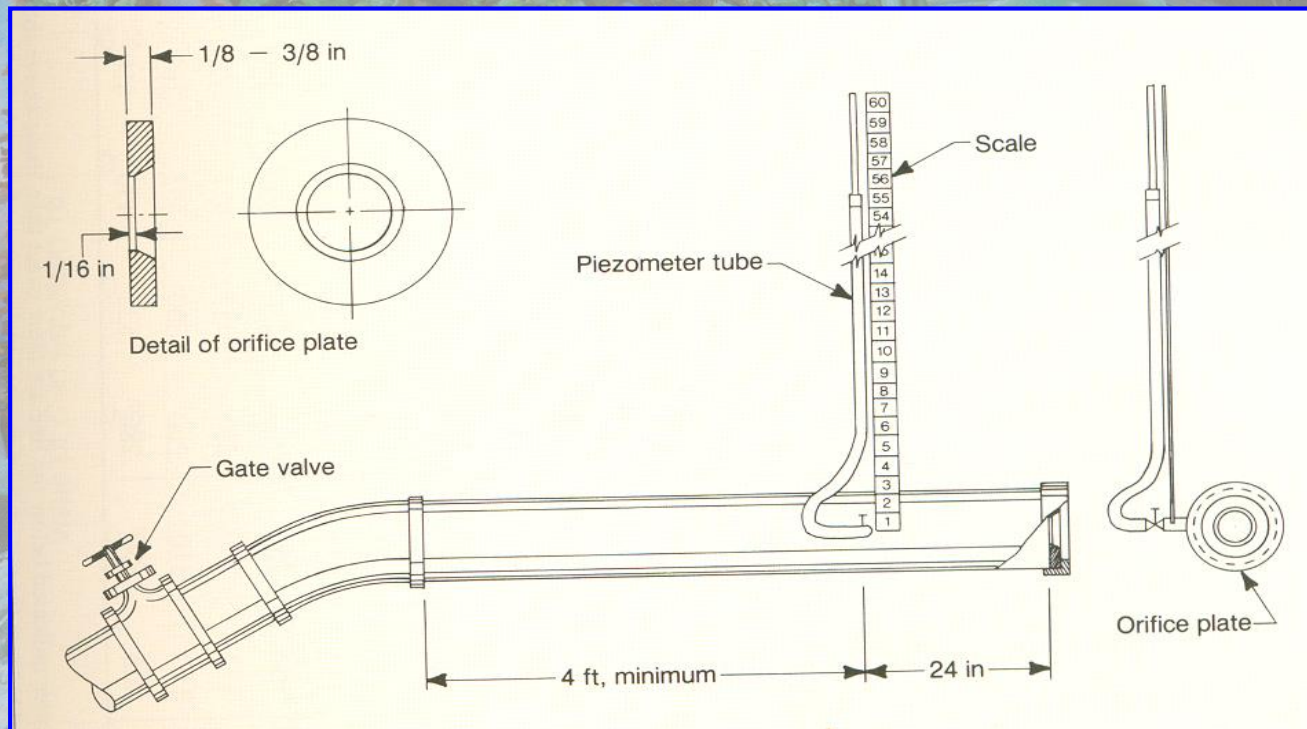
ORIFİSMETRE YÖNTEMİ



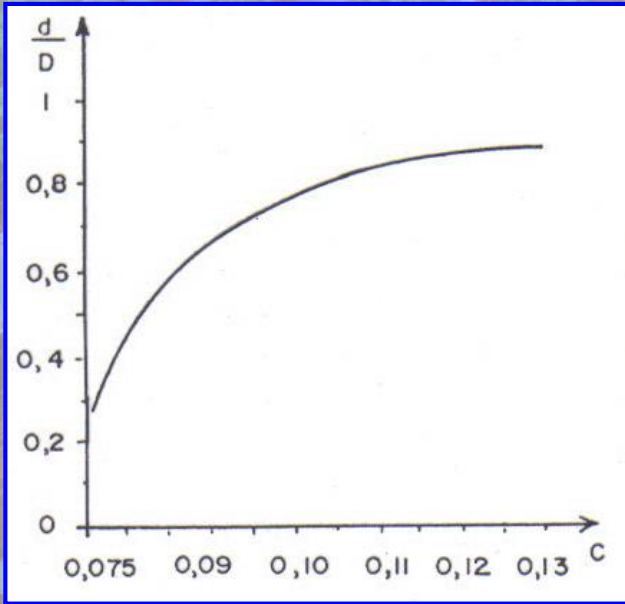
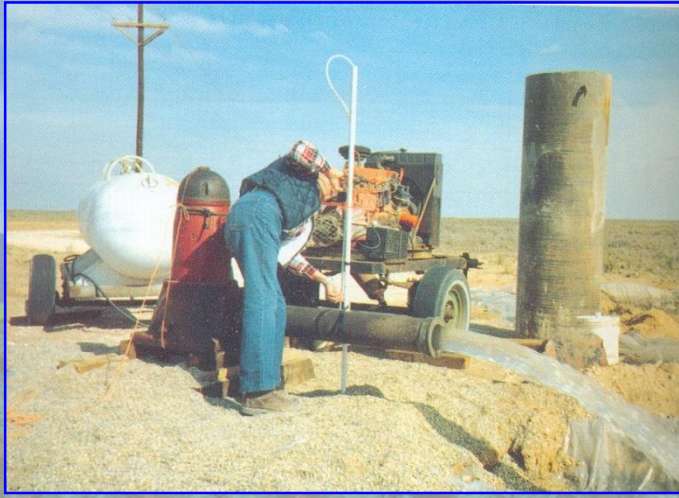
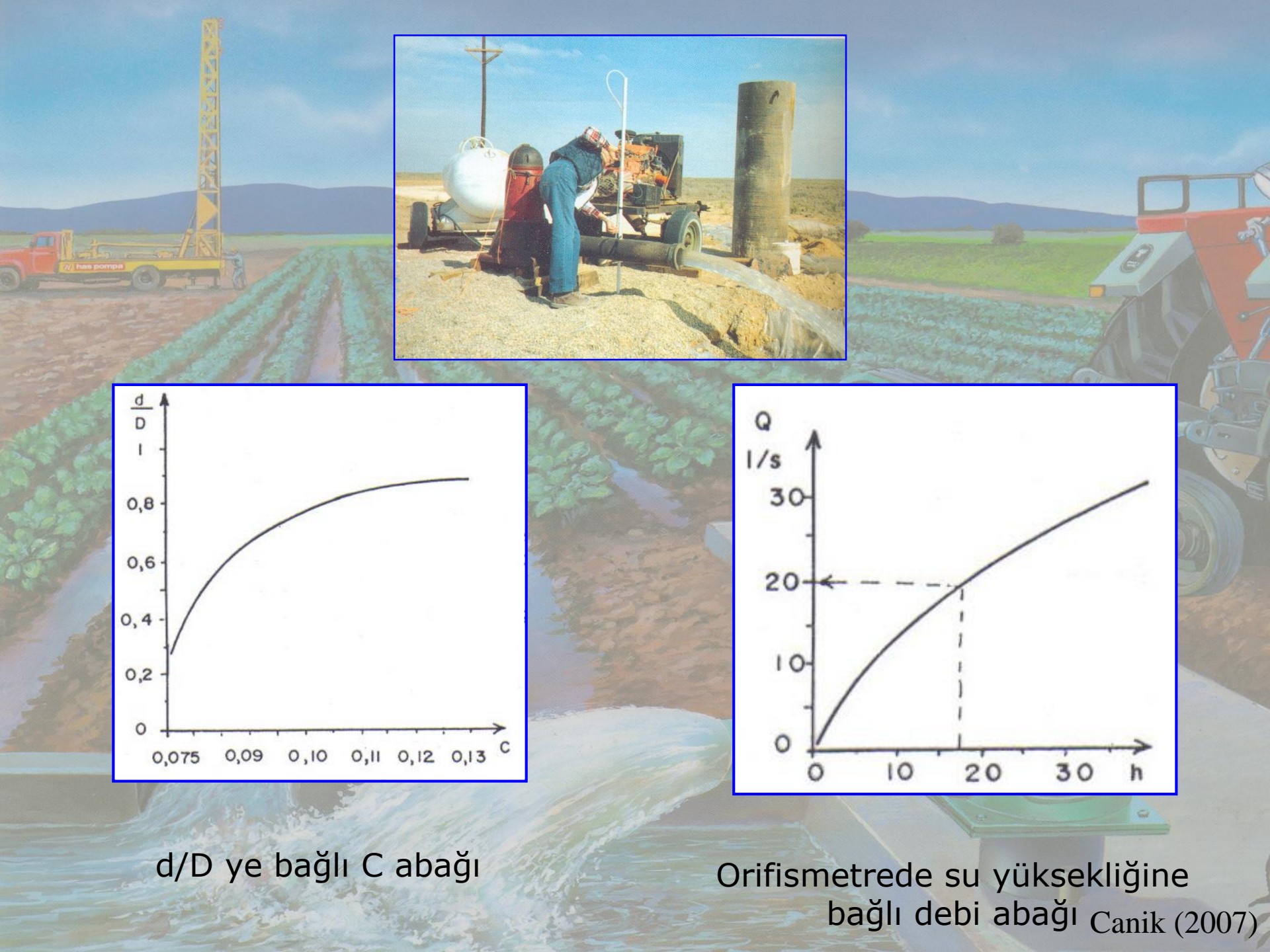


Canik (2007)

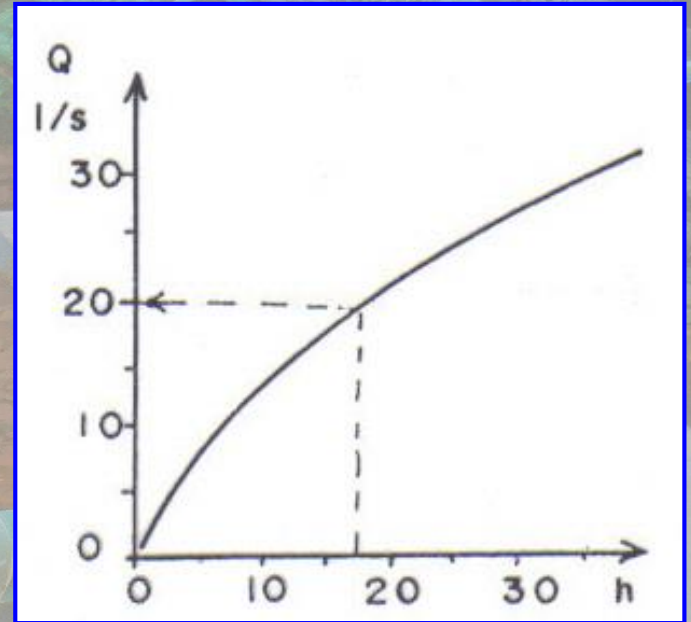
Orifis metre düzeneği



Dingman (2002)



d/D ye bağılı C abağı



Orifismetrede su yüksekliğine bağılı debi abağı Canik (2007)

Boya Yöntemi

