Name & ID: _____   **Helena Site Date**:

TASK A: Helena River			
Draw a cross-section, indicating approximate distances and depths			
Enter distance from the bank and velocity at 4 points across the channel (indicate them on the above diagram)			
m			
m/s			

Description	GPS Location	Salinity Reading	Units
TASK B: Surface Water			

Description	Site ID	Salinity Reading	Units	Water Level from T.O.C.
TASK C: Ground Water				

	GPS Location	Salinity Reading	Units	Water Level from surface
TASK D: Soil and Water Table				
Surface Soil				na
20cm Soil				na
Ground water				

For your chosen site in Task D, record your raw data for the infiltrometer in the table below. Use the online spreadsheet (see LMS) to compute the local hydraulic conductivity (**K**) value - do this for each replicate.

Table D Summary of volume infiltrated over time

Time (s)			srqt(t) -> $t^{1/2.}$ *			Volume (mL)			Infiltration (cm) *		
Rep1	Rep2	Rep3	Rep1	Rep2	Rep3	Rep1	Rep2	Rep3	Rep1	Rep2	Rep3

* to be entered after adding raw data to the decagon spreadsheet

LOCATION: REPLICATE #:   1   2   3

Suction used (cm):   _____

Assumed soil type (required for K calculation):   _____

From spreadsheet - Predicted K (cm/s):   _____