

White Track

Station #1

- 1) Using your unit, obtain the Latitude and Longitude coordinates for this station and place your answer in the spaces labeled 2 - Latitude and 2 - Longitude on your scansheet.

See next page

All Tracks

Station #2

The Parks Department wishes construct a wetlands area to improve the water quality of the nearby stream. Water will be diverted from the nearby stream to pass through the wetlands and back into the stream. As a consultant, you have been retained to assist in the development phase of this project which includes wetlands design and construction. In order to complete your design, you must **first** calculate the area of the field (a trapezoid) as depicted in the map below (see map for perimeter boundary and accessibility).

However, you can only access certain areas of the wetlands!!!!

So, your instructions for this station are to...

- 1) Use your GPS unit to measure (**in feet**) the accessible areas of the field. (NOTE: You can write your lengths in the green, open space below your GPS Test #)
- 2) Then, use the formula (calculation process) below to calculate the area (**in acres**)
- 3) Place your answer in answer space 4 in the GPS Section of the scan sheet. (Note: Ignore the decimal place, round to 3 digits...see example below)

Formula (calculation process):

- 1) $\text{Area} = \frac{a+b}{2} h$
- 2) Divide your answer by 43,560 (to convert to acres).
- 3) Place your answer in answer space 4 within the GPS Section of the scan sheet.

(Ignore the decimal and round to 3 digits;

Example: 9.458 → 946 (this number entered on scan sheet)

0.2234 → 223 (this number entered on scan sheet)

● = blue stake

● = red stake

