

EMERY BEACH PROFILE

Profile Name _____	Date (yr/mo/dy) _____	Start Time _____
Back rod person _____	Back rod assistant _____	
Front rod person _____	Front rod assistant _____	
Data recorder _____	Observer/sampler _____	

Datum description _____

Profile Azimuth _____ (Magnetic degrees)

Sketch/Notes

Point #	dx (cm)	dz (cm)	notes (for points at front rod and area between rods)
1	0	0	Top of datum point.
2			Ground surface below/above datum point
3			
4			
5			
6			
7			
8			
9			
10			

Wind, Waves, and Littoral Drift Current

Profile Name _____	Date (yr/mo/dy) _____	Start Time _____
Observers #1 _____	#2 _____	#3 _____ Recorder: _____

WIND		
Direction (pointing into wind)	Sustained wind speed	Wind gust speed
_____ °magnetic	_____ km/hour	_____ km/hour

WAVES	<i>Observer #1</i>	<i>Observer #2</i>	<i>Observer #3</i>
Direction (pointing into waves)	_____ °magnetic	_____ °magnetic	_____ °magnetic
Breaker height: estimated for seaward-most breakers.	_____ cm	_____ cm	_____ cm
Period: # seconds for 10 waves to pass stationary point divided by 10.	_____ seconds	_____ seconds	_____ seconds
Surf zone width: distance from waterline to seaward most breakers.	_____ meters	_____ meters	_____ meters
Number of longshore bars	_____	_____	_____
Wave breaker type (check one):	plunging	spilling	surging

LITTORAL DRIFT CURRENT	<i>Trial #1</i>	<i>Trial #2</i>	<i>Trial #3</i>
Distance float thrown offshore	_____ meters	_____ meters	_____ meters
Distance float moves along shore in 50 seconds	_____ meters	_____ meters	_____ meters
Littoral drift speed (cm/sec) = twice the drift distance (m)	_____ cm/sec	_____ cm/sec	_____ cm/sec
Littoral drift direction: direction in which float moved	N E S W NE SW	N E S W NE SW	N E S W NE SW

GPS Survey, Beach Orientation, and Beach Shape

Profile Name _____ Date (yr/mo/dy) _____ Start Time _____
GPS equipment _____ Recorder: _____

GPS Survey: Walk along vegetation line and wet-dry sand line 100m on either side of profile while recording the GPS track.

Start time (local) _____

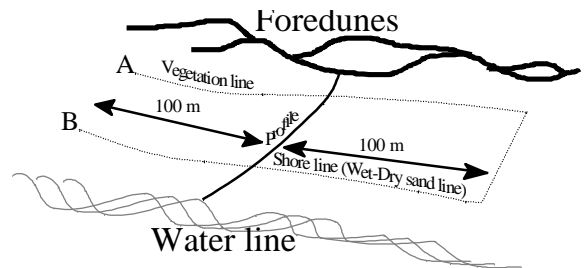
A. Start Point (degrees, decimal minutes):

_____ lat. _____ long.

B. End Point (degrees, decimal minutes):

_____ lat. _____ long.

End time (local) _____

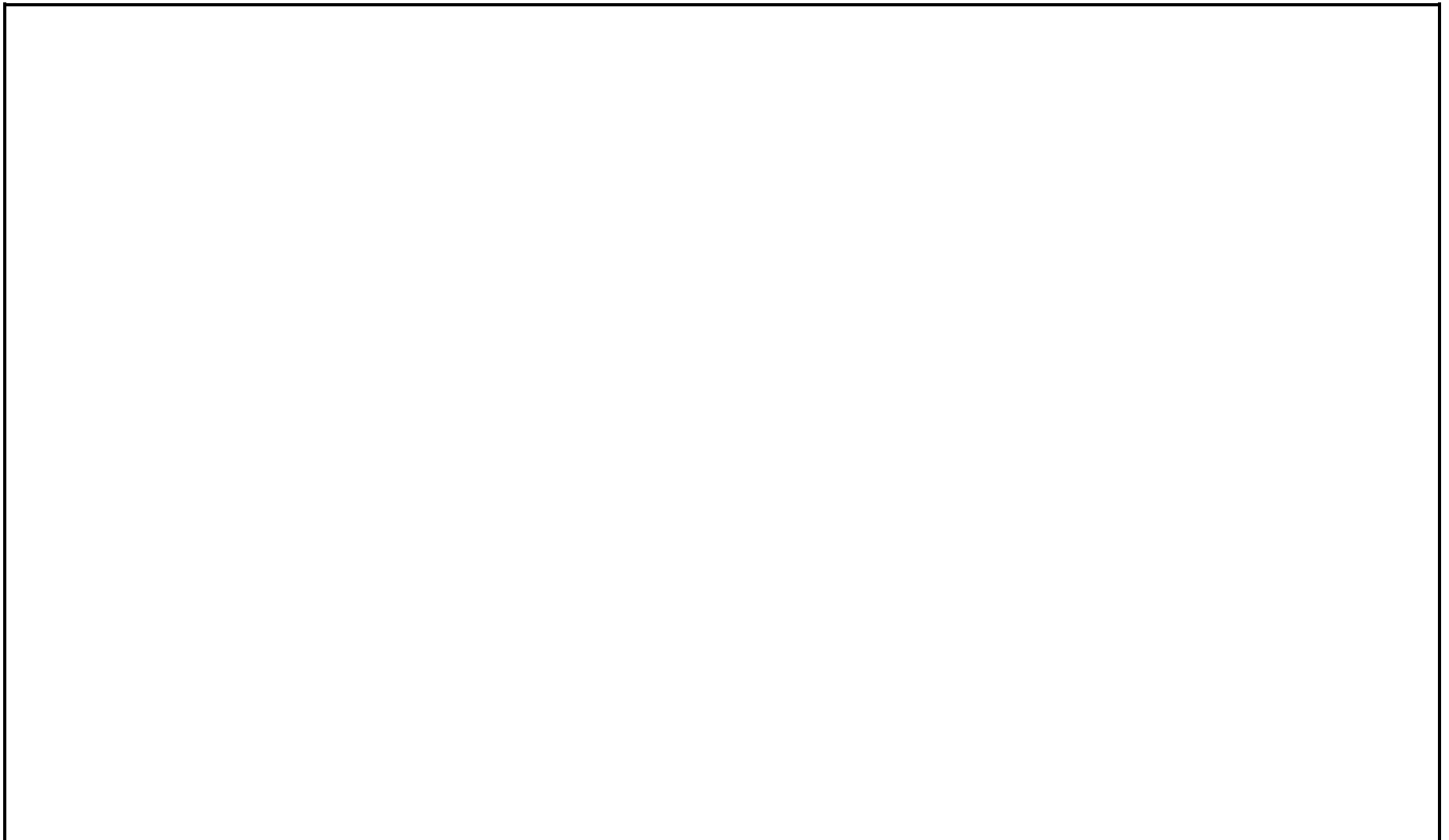


SHORELINE and FOREDUNE ORIENTATION	to north/east	to south/west
Foredune trend	_____ °magnetic	_____ °magnetic
Shoreline trend	_____ °magnetic	_____ °magnetic

Field Sketch and Photographs

Profile Name _____ **Date (yr/mo/dy)** _____ **Start Time** _____

Sketcher: _____ **Photographer:** _____

A large empty rectangular box with a black border, intended for field sketches and photographs. It occupies the majority of the page below the header information.