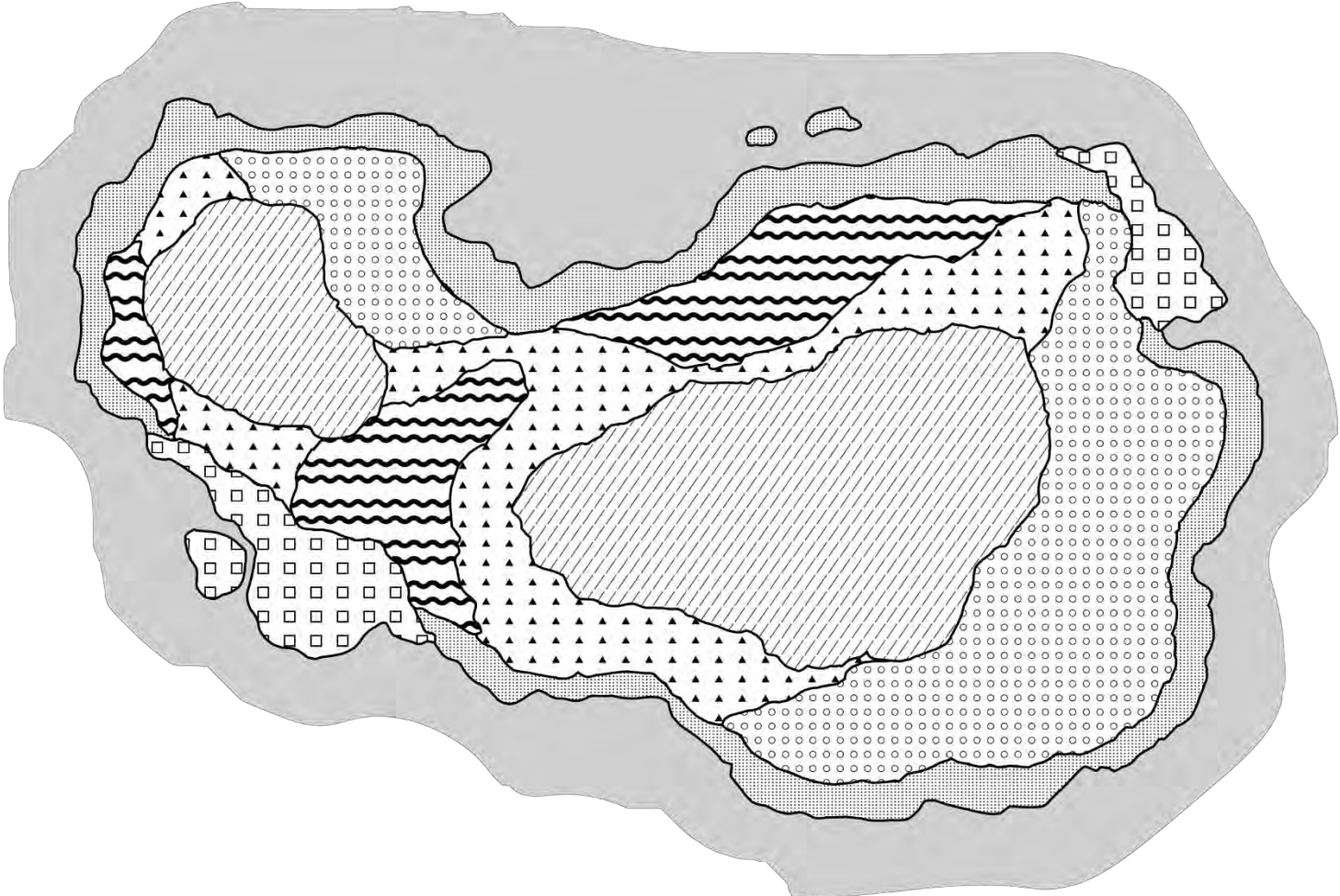


A coastal landscape featuring a sandy dune in the foreground. Several yellow flowers with green foliage are in focus, growing from the sand. In the background, there is a blue sky with scattered white clouds and a line of green trees on a hillside. The overall scene is bright and sunny.

# SPARTINA BEACH ACTIVITY

# MAP OF SPARTINA BEACH

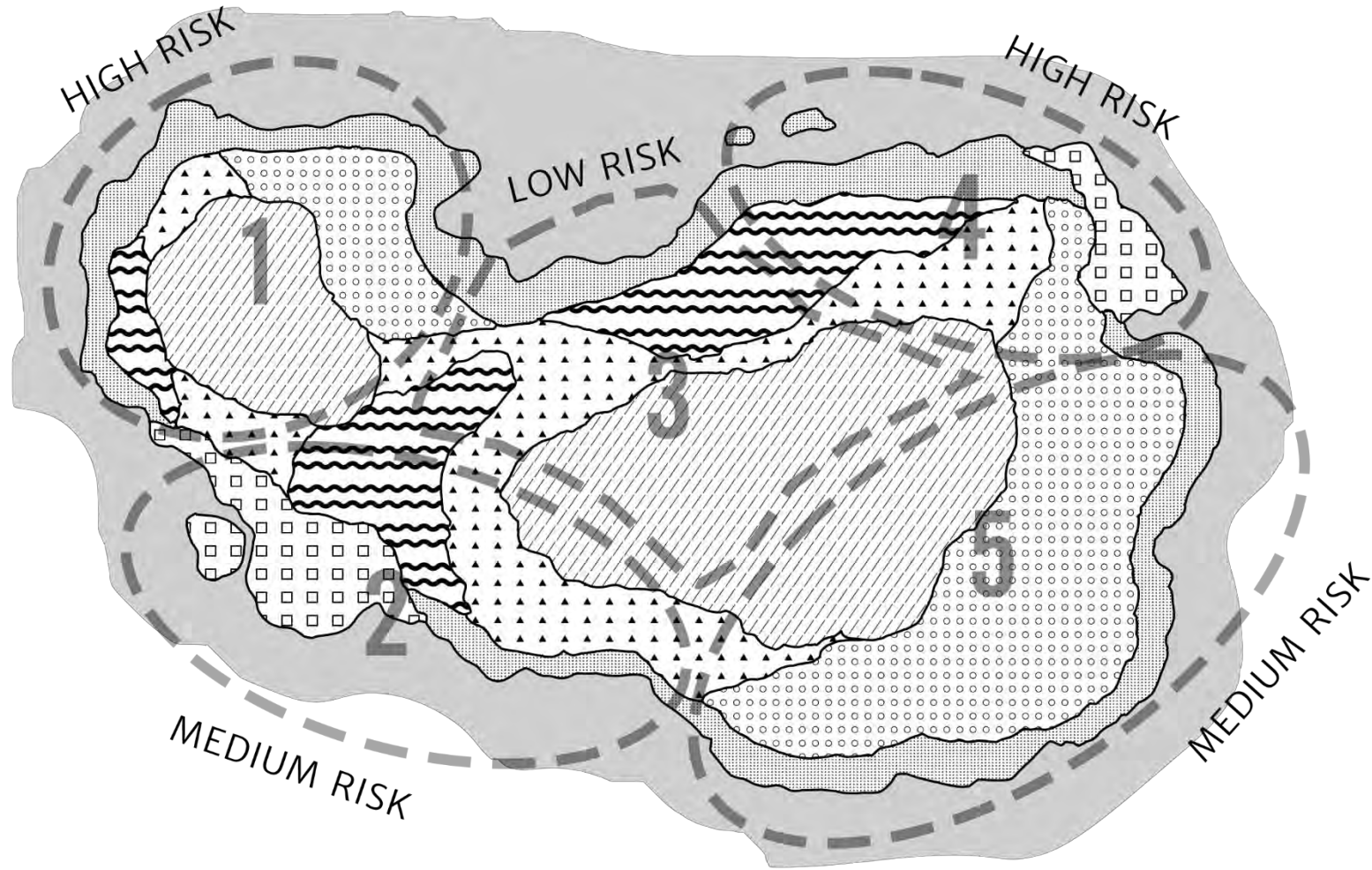


## LAND USE TYPE

-  SHORELINE
-  WETLANDS
-  FOREST
-  HIGHLANDS
-  RESIDENTIAL
-  BUSINESSES



# MAP OF SPARTINA BEACH



## LAND USE TYPE

-  SHORELINE
-  WETLANDS
-  FOREST
-  HIGHLANDS
-  RESIDENTIAL
-  BUSINESSES

# WORKSHEET

**Fill in column A and calculate columns C and E:**

Column A – Units used (*“Unit” refers to # of each solution used*)

Column C – Calculate Total \$ spent = (A x B)

Column E – Calculate Environmental Quality = A x D

SOLUTION	A Units used	B Cost per unit	C Total \$ spent = (A x B)	D Water Droplets per unit	E Environmental Quality = (A x D)
Relocate citizens away from risk		\$50,000		2	
Sea wall or hardened shorelines		\$40,000		1	
Living or soft shorelines		\$20,000		5	
Elevated homes		\$40,000		3	
Education and outreach campaigns		\$10,000		3	
Update to “green” infrastructure		\$30,000		4	
<b>TOTAL</b>					

**Total \$ spent:**

\_\_\_\_\_

**Environmental Quality:**

\_\_\_\_\_

# RESILIENCE RATINGS

0 - 50 = Poor

51 - 100 = Fair

101 - 150 = Good

151 + = Excellent