

CODES FOR WIND DIRECTION and FORCE

N x E	01		S x W	19
NNE	02		SSW	20
NE x N	03		SW x S	21
NE	04		SW	22
NE x E	06		SW x W	24
ENE	07		WSW	25
E x N	08		W x S	26
E	09		W	27
E x S	10		W x N	28
ESE	11		WNW	29
SE x E	12		NW x W	30
SE	14		NW	32
SE x S	15		NW x N	33
SSE	16		NNW	34
S x E	17		N x W	35
S	18		N	36

CONVERSION TABLE-POINTS TO DEGREES

	Angular Measure
NORTH TO EAST	
North	0 00
N by E	11 15
NNE	22 30
NE by N	33 45
NE	45 00
NE by E	56 15
ENE	67 30
E by N	78 45
EAST TO SOUTH	
East	90 00
E by S	101 15
ESE	112 30
SE by E	123 45
SE	135 00
SE by S	146 15
SSE	157 30
S by E	168 45
SOUTH TO WEST	
South	180 00
S by W	191 15
SSW	202 30
SW by S	213 45
SW	225 00
SW by W	236 15
WSW	247 30
W by S	258 45
WEST TO NORTH	
West	270 00
W by N	281 15
WNW	292 30
NW by W	303 45
NW	315 00
NW by N	326 15
NNW	337 30
N by W	348 45
North	360 00

1309 Conversion table between the point and degree sy

CODE	SEA MILES PER HOUR (Knots)	SEAMAN'S DESCRIPTION	LAND MILES PER HOUR
00	0 - 1	Calm	0 - 1
01	1 - 3	Light air	1 - 3
02	4 - 6	Slight breeze	4 - 7
03	7 - 10	Gentle breeze	8 - 12
04	11 - 16	Moderate	13 - 18
05	17 - 21	Fresh breeze	19 - 24
06	22 - 27	Strong breeze	25 - 31
07	28 - 33	Moderate gale (high wind)	32 - 38
08	34 - 40	Fresh gale	39 - 46
09	41 - 47	Strong gale	47 - 54
10	48 - 55	Whole gale	55 - 63
11	56 - 65	Storm	64 - 75
12	Above 65	Hurricane	Above 75

Code	Oktas	Percentage (%)
0	0	0
1	0.1 - 1 okta	10 or less
2	2 oktas	20-30
3	3 oktas	40
4	4 oktas	50
5	5 oktas	60
6	6 oktas	70-80
7	7 oktas	90-99
8	8 oktas	100
9	Sky obscured	

Code	Wave height (feet)
0	calm
1	0.1 - 0.5
2	0.6 - 1.0
3	1.1 - 1.5
4	1.6 - 2.0
5	2.1 - 2.5
6	2.6 - 3.0
7	3.1 - 3.5
8	3.6 - 4.0
9	4.1 - 4.5
10	4.6 - 5.0
11	5.1 - 5.5
12	5.6 - 6.0

Habitat codes on hydrology forms.

1 st Number	2 nd number	3 rd number
1 - Bay	1 - Dredged channel	1 - Sand
2 - Bayou	2 - Natural channel	2 - Mud
3 - River	3 - Sand beach sub. veg.	3 - Clay
4 - Sound	4 - Sand beach no sub. veg	4 - Sand beach grading to mud
5 - Gulf	5 - Marsh sub. veg.	5 - Sand-shell beach grading to mud

6 - Island lagoon	6 - Marsh no sub. veg	6 - Variable bottom
7 - Pass	7 - Spoil bank emerg. veg.	
	8 - Spoil bank no emerg. veg.	
	9 - Open water sub. veg.	
	0 - Open water no sub. veg.	

Codes for estuary and zone on hydrology forms.

Estuary	Zone
1 - Pascagoula	1-5 - See map below
2 - Biloxi	
3 - St. Louis Bay	
4 - Pearl River	
5 - Offshore	

Map of zones for codes

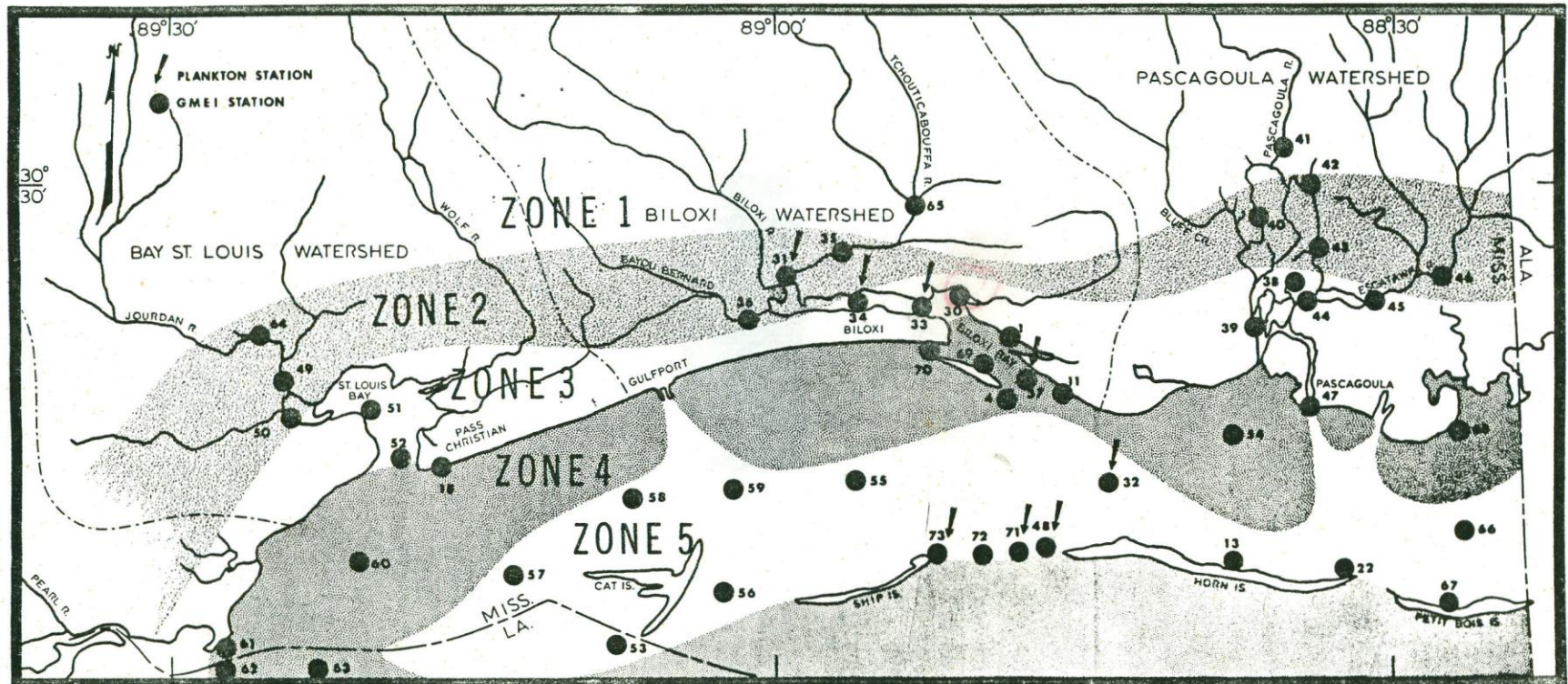


FIGURE 1. SAMPLING STATION LOCATION FOR ESTUARINE INVENTORY, MISSISSIPPI.
ZONES INDICATE APPROXIMATE BOTTOM SALINITY DISTRIBUTION.