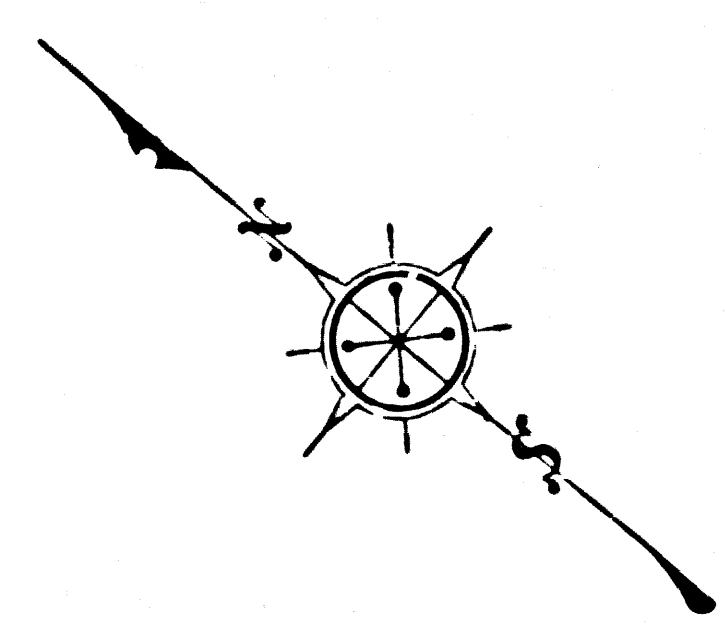
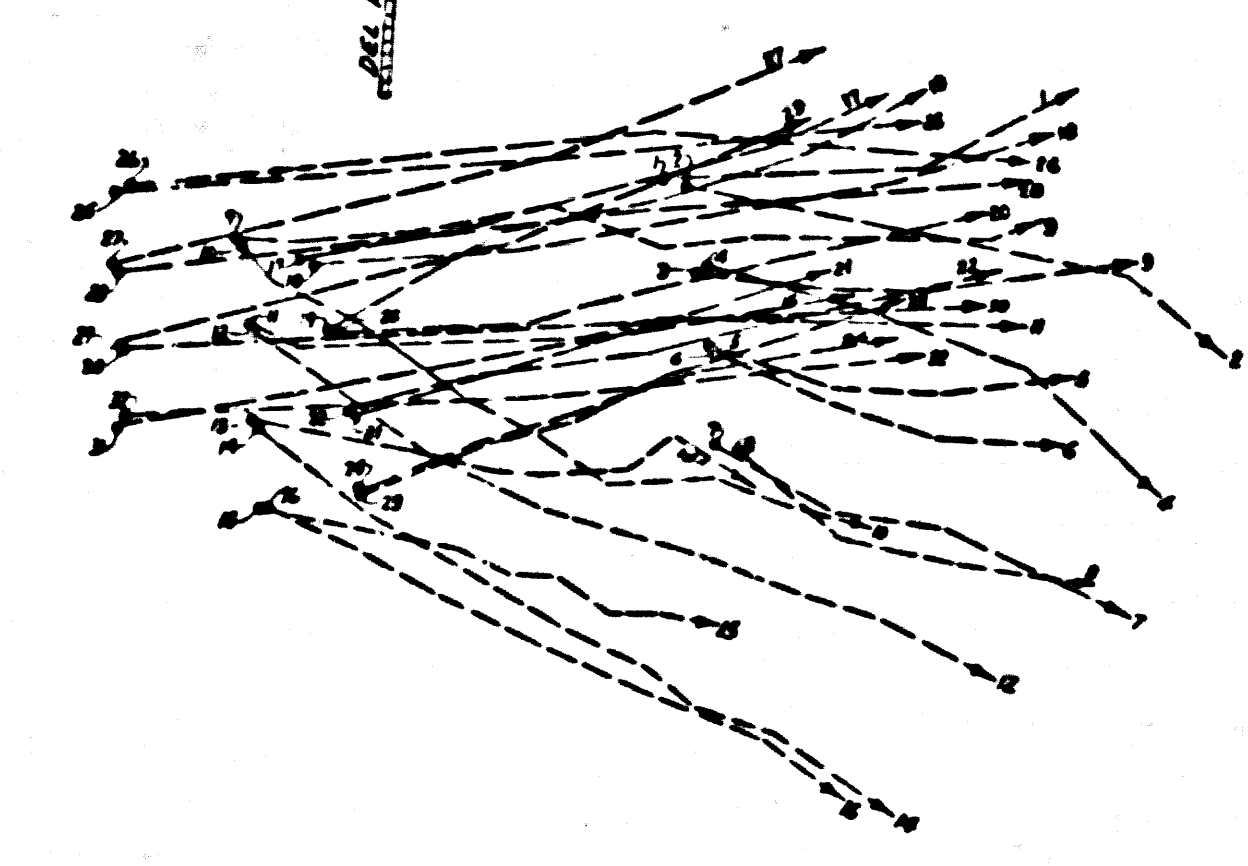


PACIFIC

OCEAN

DEC. 20, 1935



FLAT NUMBER	TIME SET	TIME TAKEN UP	FEET TRAVELED PER MINUTE	TIDE	HEIGHT OF FLAT IN FEET
1	8:46 AM	9:27 AM	23	EBB	12
2	8:47	9:32	19	EBB	6
3	8:48	9:51	15	EBB	12
4	8:49		17	EBB	6
5	8:50		15	EBB	12
6	8:51	8:54	15	EBB	6
7	8:52	9:56	15	EBB	12
8	8:53	9:57	13	EBB	6
9	8:53	12:34 PM	12	EBB	12
10	10:05	11:36	10	EBB	6
11	10:06	12:35	12	EBB	12
12	10:07	11:40	12	EBB	6
13	10:08	12:17	8	EBB	12
14	10:09	12:41	11	EBB	6
15	10:10	12:39	7	EBB	12
16	10:11	12:42	9	EBB	6
17	1:16 PM	2:30	17	FLOOD	12
18	1:17	2:32	22	FLOOD	6
19	1:18	2:31	20	FLOOD	12
20	1:18	2:33	20	FLOOD	6
21	1:20	2:35	15	FLOOD	12
22	1:22	2:34	19	FLOOD	6
23	1:23	2:37	16	FLOOD	12
24	1:24	2:38	16	FLOOD	6
25	2:45	3:56	25	FLOOD	12
26	2:45	3:58	29	FLOOD	6
27	2:46	3:57	29	FLOOD	12
28	2:47	3:59	20	FLOOD	6
29	2:47	3:58	22	FLOOD	12
30	2:48	4:00	26	FLOOD	6
31	2:49	4:02	23	FLOOD	12
32	2:50	4:01	27	FLOOD	6

TIME	DIRECTION AND VELOCITY IN MPH	DIRECTION AND HEIGHT OF WAVES
8:46 AM	N 30° E 8 MPH	N 30° E 3' high
9:00	N 60° E 10 "	N 30° E 3' "
9:30	N 30° E 10 "	N 30° E 3 1/2' "
10:00	N 30° E 3 "	N 30° E 3' "
10:30	N 30° E 5 "	N 30° E 3' "
11:00	N 30° E 7 "	N 30° E 3' "
11:30	N 35° E 6 "	N 30° E 3' "
12:00 PM	N 30° E 4 "	N 30° E 3' "
12:30 PM	N 30° E 3 "	N 30° E 3' "
1:00	S 70° W 8 "	N 30° E 3' "
2:00	S 30° W 8 "	N 30° E 3 1/2' "
3:00	WEST 8 "	N 30° E 3' "
3:30	S 30° W 5 "	N 30° E 2 1/2' "
4:00	S 30° W 7 "	N 30° E 3' "
4:00	N 45° W 10 "	N 30° E 3 1/2' "

NOTE - Direction of wind is that from which it is blowing - direction of waves is that toward which they are moving.

MAP SHOWING
CURRENT STUDIES
 AT
MOUTH OF BALLONA CREEK
 COUNTY SURVEYORS MAP NO B-1155
 SCALE - 1 INCH = 400 FT.

JOB NUMBER 8109
 ALFRED JONES - COUNTY SURVEYOR
 SURVEYED - DECEMBER 1935
 SURVEYED UNDER INSTRUCTIONS OF THE BOARD OF SUPERVISORS PER ORDER DATED SEPT. 16, 1935.
 BEARINGS ARE BASED ON THE BEARING OF
 CONTROL BY LOS ANGELES CITY ENGINEER
 FLOAT DRIFT - F. B.'S 808, 809 & 820, PAGES 101-122, 123-144.
 FIELD WORK BY..... SE BUTLER
 OFFICE WORK BY..... J. D. PRICE
 H. H. BRADSHAW
 F. A. WOOD
 CHECKED BY..... A. A. ROESER
 INDEX 23

CS B-1155
 A1 OF A3

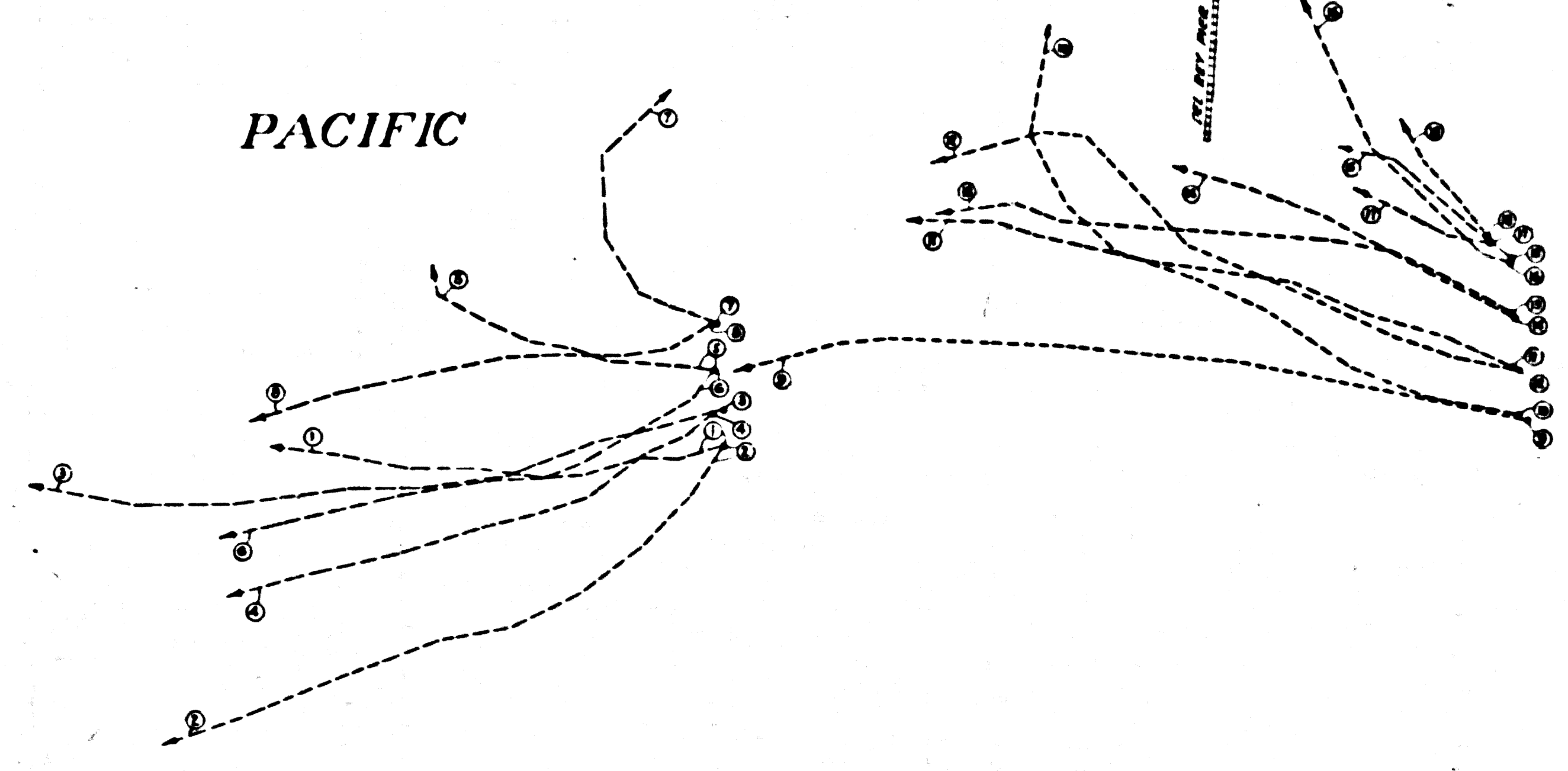
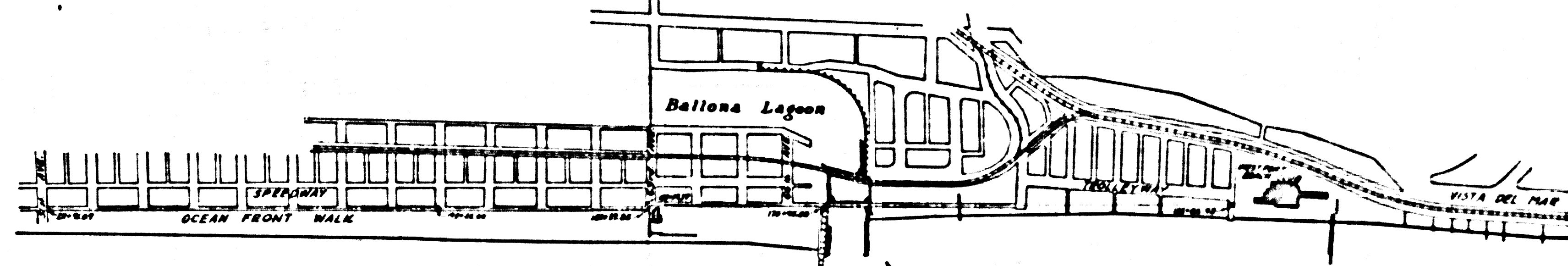
FOR BLUE PRINTING
 WIDTH OF MAP = 24 INCHES
 AREA / FOOT LENGTH = 2 " "
 TOTAL AREA OF MAP = 20 " "

COMPLA 2206/4032 WVB, MS B-1155

COMPLA 2206/4032 WVB, MS B-1155

COMPL Y SPARECS MAP N B-1152

COMPL Y SPARECS MAP N B-1152



DEC. 17, 1935

FLIGHT NUMBER	TIME SET	TIME TAKEN UP	FEET TRAVELLED PER MINUTE	TRAIL	HEIGHT OF DRIFT IN FEET	TIME	DIRECTION AND VELOCITY OF WIND	DIRECTION AND VELOCITY OF DRIFT
1	7:04	9:44	11	ESP	12	7:04	NORTH 10 MPH	N 60° E 4'
2	7:07	9:41	16	ESP	6	7:17	NORTH 12 "	N 60° E 2 "
3	7:09	9:51	16	ESP	12	8:00	N 45° E 10 "	N 60° E 4 "
4	7:09	9:42	13	ESP	6	8:30	N 45° E 8 "	N 60° E 4 "
5	7:11	9:47	8	ESP	12	9:00	N 45° E 8 "	N 60° E 4 "
6	7:12	9:47	13	ESP	6	9:30	N 65° E 8 "	N 60° E 1 1/2 "
7	7:16	9:32	8	ESP	12	10:00	N 60° E 8 "	N 60° E 1 1/2 "
8	7:18	9:42	12	ESP	6	10:30	CALM	N 70° E 3 "
9	7:17	1:00 PM	10	FLOOD	12	11:00	SOUTH 8 "	N 70° E 7 "
10	7:20	1:05	10	FLOOD	6	12:15	S 45° W 5 "	N 70° E 3 "
11	7:20	1:05	12	FLOOD	6	12:45	S 60° W 3 "	N 70° E 1 1/2 "
12	7:21	1:03	12	FLOOD	6	1:00 PM	WEST 8 "	N 70° E 1 1/2 "
13	7:22	1:04	11	FLOOD	6	1:30	WEST 3 "	N 75° E 1 1/2 "
14	7:24	1:00 PM	10	FLOOD	6	1:30	N 50° W 3 "	N 75° E 1 1/2 "
15	7:24	1:00 PM	10	FLOOD	6	1:30	N 50° W 3 "	N 75° E 1 1/2 "
16	7:26	1:00 PM	10	FLOOD	6	1:30	N 50° W 3 "	N 75° E 1 1/2 "
17	7:26 PM	1:00	11	FLOOD	12	1:30	N 50° W 3 "	N 75° E 1 1/2 "
18	7:47	7:30	15	FLOOD	6			

NOTE--
Direction of wind is that from which it is blowing in direction of waves is that from which they are moving.

CS B 1155
A3 OF A3