

PRELIMINARY REPORT ON THE SEISMIC INVESTIGATIONS  
 in the  
 ORLEANS, WELLFLEET, NORTH TRURO, AND PROVINCETOWN QUADRANGLES,  
 MASSACHUSETTS  
 by  
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Work done in cooperation with the Massachusetts Department of Public Works.

Shot point shown in Figure 1	Field designation	Shot point in feet above mean sea level	Traverse	Seismic velocities in thousands of feet per second				Thickness of layers in feet per second			Approximate epicenter in miles per minute in direction of travel	Bedrock depth	Bedrock at in feet below mean sea level	Date traverse made	Location of seismic Traverse	
				first layer	second layer	third layer	fourth layer	first layer	second layer	third layer					Town	Site
A	A	50	A--B	1.8	5.0	31.0		47	550		21.1	597	-547	5/9/62	Wellfleet	Camp Wellfleet
B	B	62	B--A	2.0	5.1	16.0		52	400		21.1	452	-390	5/9/62	"	"
C	C	10	C--D	5.2	17.5			500			20.6	500	-490	5/10/62	Provincetown	Race Point Beach
D	D	10	D--C	5.3	25.0			529			20.6	529	-519	5/10/62	"	"
E	E	10	E--F	5.5	12.0			487			17.2	487	-477	5/14/62	Provincetown	Provincetown Beach
F	F	5	F--E	5.5	30.5			540			17.2	540	-535	5/14/62	"	"
G	G	18	G--H	5.5	22.5			397			20.3	397	-379	5/11/62	Orleans	Orleans Beach
H	H	5	H--G	5.5	18.5			394			20.3	394	-389	5/11/62	"	"
I	O	60	I--J	1.3	5.5	14.3		39	509		11.7	548	-488	5/16/62	Truro	Great Hollow Rd.
J	P	40	J--I	3.8	5.0	9.9		75	501		11.7	576	-536	5/16/62	"	"
K	Q	8	K--L	5.6	15.3			370			14.7	370	-362	5/16/62	Wellfleet	Bound Brook Rd.
L	R	5	L--K	5.7	14.2			408			14.7	408	-403	5/16/62	"	"
M	S	83	M--N	1.7	5.2	24.2		52	452		17.9	504	-421	5/17/62	Wellfleet	Wireless Rd.
N	T	10	N--M	4.7	14.2			480			17.9	480	-470	5/17/62	"	"
O	U	30	O--P	5.3	19.1			421			19.5	421	-391	5/17/62	Wellfleet	Camp Mar Vel.
P	V	30	P--O	5.2	19.9			380			19.5	380	-350	5/17/62	"	"
Q	I	40	Q--R	5.2	12.5			452			13.9	452	-412	5/11/62	Wellfleet	Camp Wellfleet
R	J	45	R--Q	5.2	15.7			479			13.9	479	-434	5/11/62	"	"

Table 1.--Seismic data from the Orleans, Wellfleet, North Truro, and Provincetown quadrangles.

This map is preliminary and has not been edited for conformity with Geological Survey format and nomenclature.

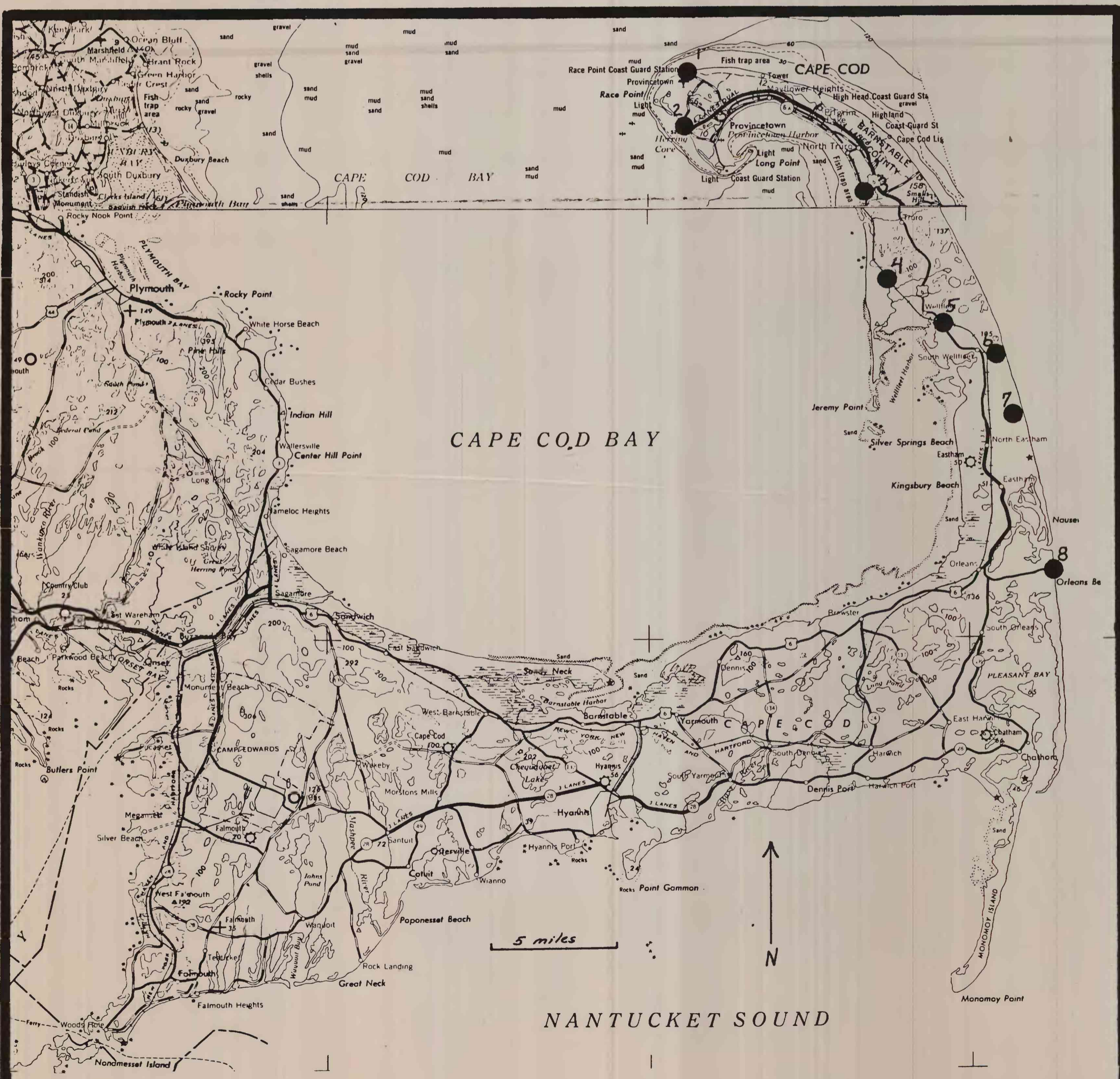


Figure 1.--Index map of Cape Cod showing sites of seismic investigations. The numbers correspond to traverses shown on the 1:24,000 scale maps.

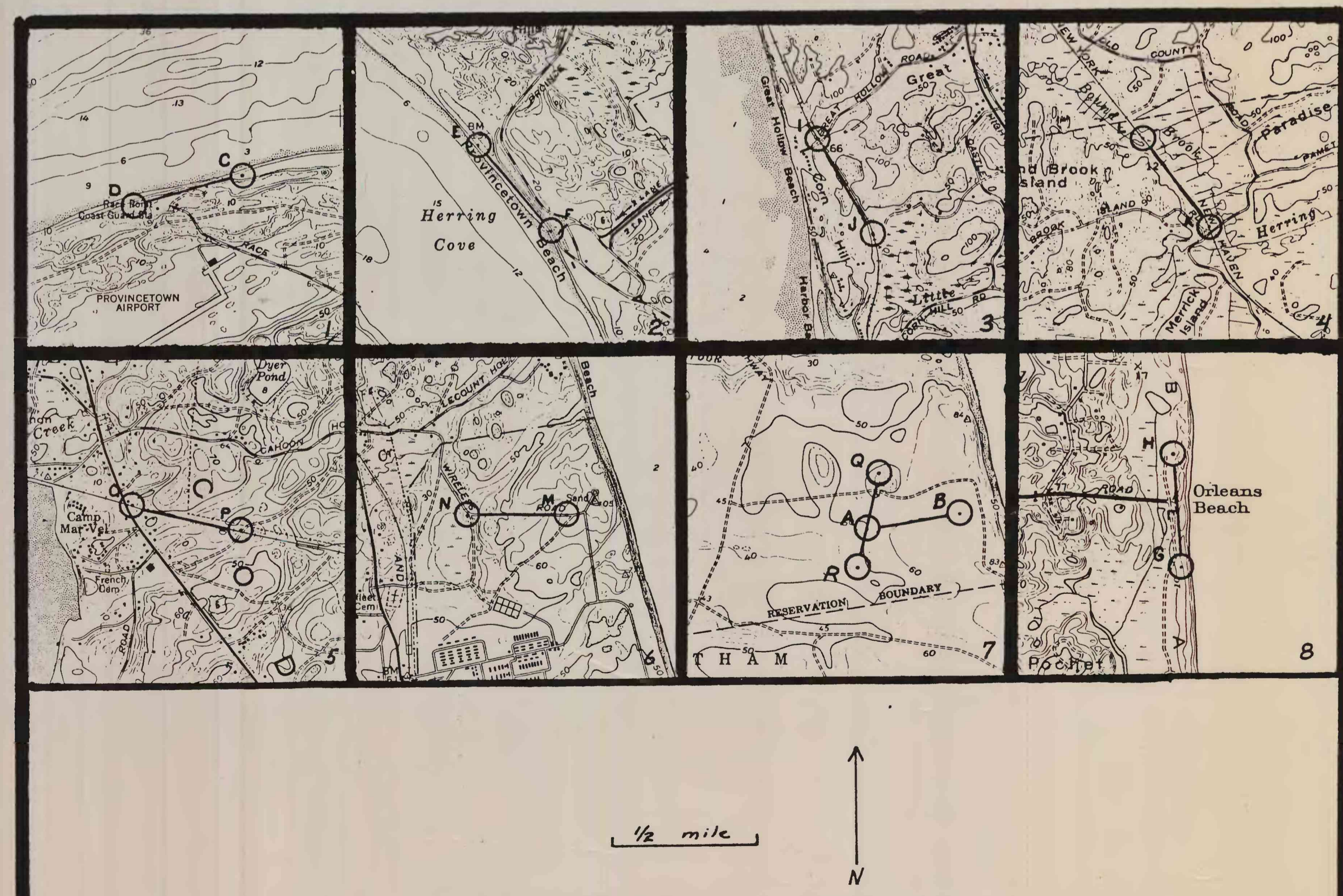


Figure 2.--Portions of the Orleans, Wellfleet, North Truro, and Provincetown 1:24,000 quadrangle maps showing location of shot points and direction of seismic traverse. Letters at shot points correspond to these in column 1, table 1.