

Data is preliminary

Quarterly Technical Report 75-A

for

Hanford Seismic Network

January 1, 1975 through March 31, 1975

Geophysics Program

University of Washington

January 21, 1977

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Technical Report 75-A

This is the quarterly report for the first quarter of 1975. All arrival times were picked by the U.S. Geological Survey and the University of Washington Geophysics Program ran these picks on their revised HYPO-71 program. The velocity model is shown in Table 1. There were six closely spaced shocks south of the Eltopia station (ETP), reflecting a NW trend.

There was no other significant activity during this quarter.

During the period 1 January - March 1975, there were 22 earthquakes located with the Hanford Net. The Central Net was not yet installed.

CRUSTAL MODEL Table 1

<u>Velocity in km./sec.</u>	<u>Depth in km.</u>
3.7	0.0
4.7	0.8
5.1	1.5
6.1	7.5
6.8	15.0
8.0	28.0

47.00
VTG

POTHOLES RES.

SYR

CRF

NNW

NNW

WPH

BRW

OTH

CRW

MDW

GBL

BCW

46.50

HANFORD WORKS

ETP

WIW

RSW

Mag. Four

Mag. One

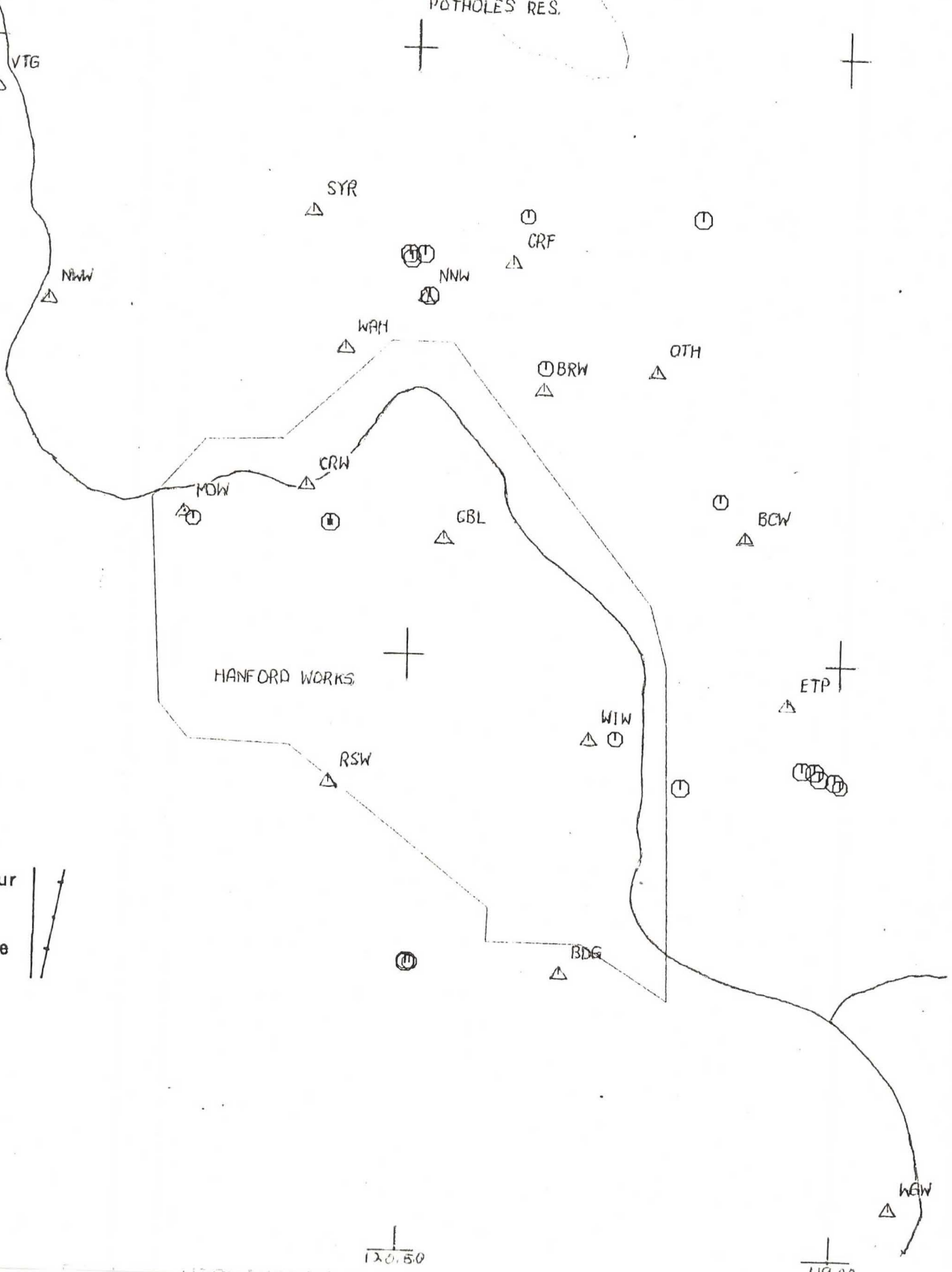
BDG

45.00
46.00

47.00
48.00

49.00
50.00

WGW



47.00
VTG

POTHOLES RES.

SYR

CRF

NNW

NNW

WPH

BRW

OTH

CRW

MDW

GBL

BCW

46.50

HANFORD WORKS

ETP

WIW

RSW

BDG

Mag. Four

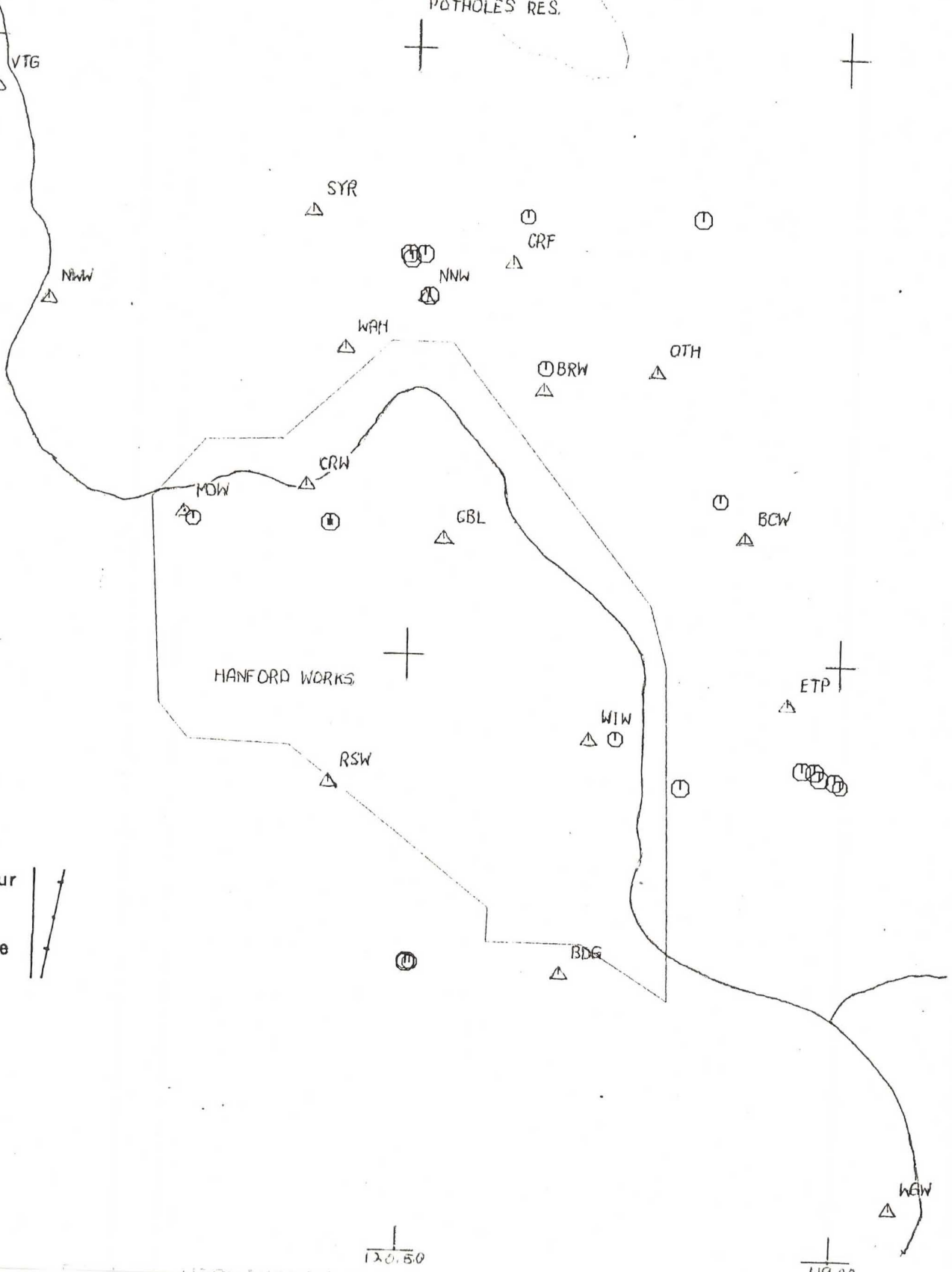
Mag. One

45.00
46.00

47.00
48.00

48.00
49.00

WAW



DATE	ORIGIN	LAT N	LONG W	DEPTH	MAG NO	DM	GAP	M	RMS	ERN	FRZ	O
75001	348	21.50	46-49.62	119-30.15	3.96	2.02	11	157	3.7	.18	.9	.8 CI
75001	183	5.19	46-24.66	119-10.55	.76	1.41	8	104	0.3	.19	1.0	2.4 BI
75002	54	50.22	46-49.96	119-30.29	3.00	1.87	13	162	4.2	.27	1.2	1.3 CI
75002	70	19.25	46-24.70	119-2.46	1.84	1.44	10	132	6.1	.12	.8	.9 CI
75002	12	10.25	46-49.85	119-29.25	5.17	1.79	14	164	3.9	.27	1.2	1.1 CI
75002	1839	21.58	46-44.45	119-20.73	2.03	1.50	7	109	2.1	.10	.6	2.1 BI
75012	034	43.96	46-24.66	119-1.59	1.01	2.07	9	187	6.5	.09	.5	1.4 CI
75014	21	4.53	46-47.83	119-28.89	1.85	1.26	9	122	.4	.15	.7	1.1 BI
75022	44	3.25	46-24.18	119-.19	.75	1.90	9	196	8.1	.26	1.3	6.5 BI
75022	439	21.44	46-24.33	119-1.26	.71	1.30	10	192	7.2	.17	1.1	2.3 CI
75031	1126	9.01	46-26.03	119-15.44	.84	1.63	8	118	2.4	.20	1.0	3.1 BI
75033	559	30.56	46-33.11	119-8.44	1.01	1.52	11	188	12.9	.10	.8	1.4 CI
75034	1432	10.54	46-36.52	119-35.50	14.15	1.85	11	93	4.0	.08	.5	.6 BI
75036	1010	40.32	46-14.51	119-53.35	1.50	1.63	6	164	13.3	.20	1.7	4.0 CI
75036	2259	9.85	46-10.21	119-37.05	1.50	2.16	13	185	27.1	.12	1.9	2.9 CI
75041	033	7.55	46-51.36	119-2.16	2.86	1.32	7	230	4.5	.05	.7	.5 CI
75041	1810	54.94	46-14.60	119-29.66	3.00	1.89	9	163	13.7	.20	1.3	2.1 CI
75042	2052	17.70	46-14.49	119-29.71	.07	1.24	10	164	13.7	.13	.9	3.9 CI
75048	1220	40.78	46-36.53	119-45.02	7.39	1.58	9	149	.9	.03	.6	1 BI
75056	142	39.44	46-51.22	119-10.01	1.64	1.77	11	260	14.5	.12	1.8	1.0 CI
75056	720	6.56	46-23.94	118-59.81	.30	1.67	7	206	8.7	.09	.4	2.5 CI
75049	135	45.24	46-22.39	119-24.89	4.86	1.34	7	116	10.3	.44	2.1	7.4 CI