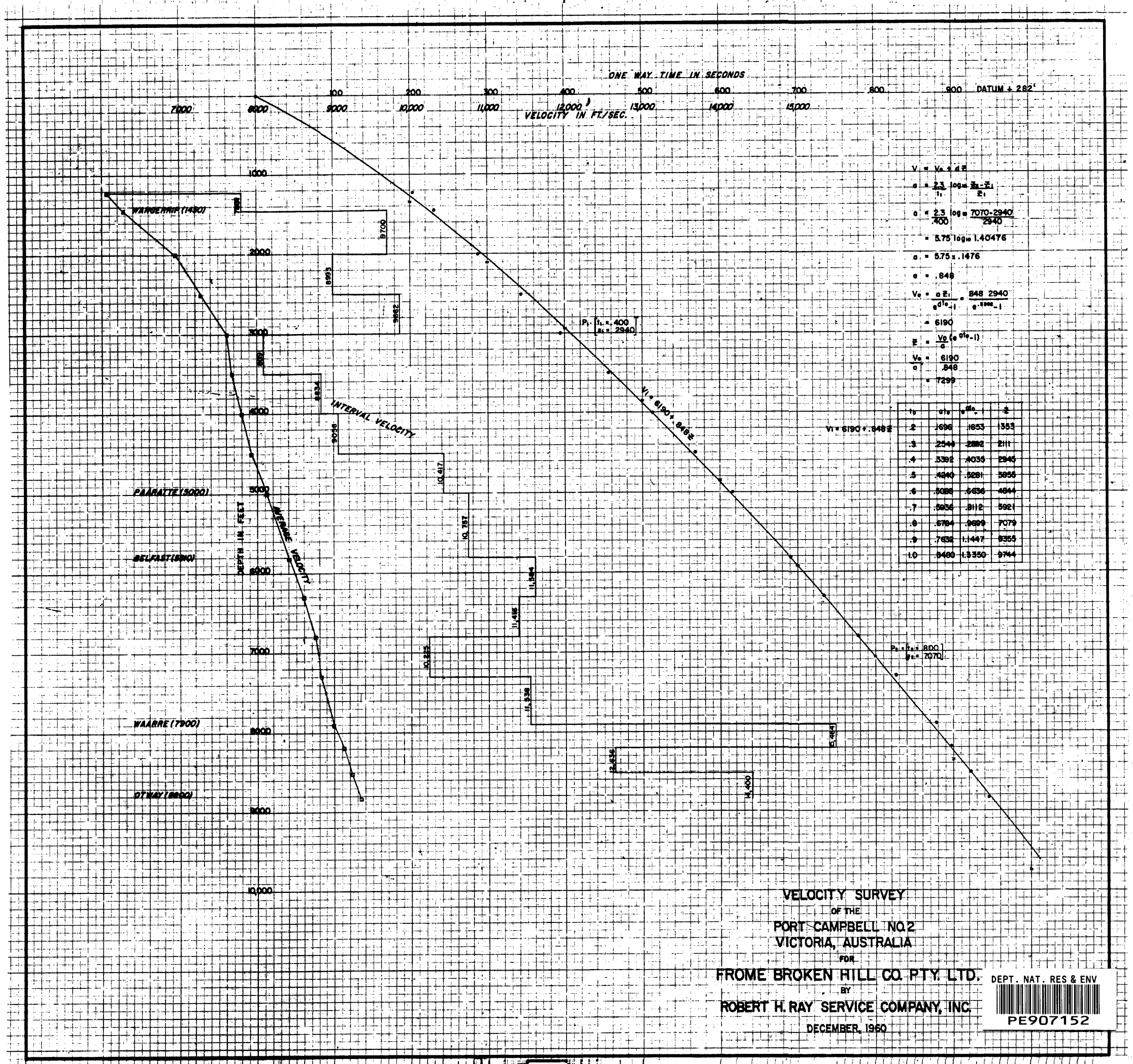

$V = V_0 + kz$

$a = \frac{2.3}{t_1} \log_{10} \frac{z_2 - z_1}{z_1}$

$a = \frac{2.3}{.400} \log_{10} \frac{7070-2940}{2940}$

$= 5.75 \log_{10} 1.40476$

$a = 5.75 \times .1476$

$a = .848$

$V_0 = \frac{a z_1}{e^{at_0} - 1} = \frac{848\ 2940}{e^{.3392} - 1}$

$= 6190$

$z = \frac{V_0 (e^{at_0} - 1)}{a}$

$\frac{V_0}{a} = \frac{6190}{.848}$

$= 7299$

t_0	at_0	e^{at_0}	z
.2	.1696	.1653	1353
.3	.2544	.2882	2111
.4	.3392	.4035	2945
.5	.4240	.5281	3855
.6	.5088	.6636	4844
.7	.5936	.8112	5921
.8	.6784	.9699	7079
.9	.7632	1.1447	8355
1.0	.8480	1.3350	9744

VELOCITY SURVEY
OF THE
PORT CAMPBELL NO.2
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FOR
FROME BROKEN HILL CO. PTY. LTD.
BY
ROBERT H. RAY SERVICE COMPANY, INC.
DECEMBER, 1960

DEPT. NAT. RES & ENV
PE907152