



STATE OF WASHINGTON  
DEPARTMENT OF REVENUE

January 21, 1999

**TO:** All County Assessors

**FROM:** Mark J. Maxwell, Real Property Program Manager  
Property Tax Division

**SUBJECT:** **1999 INDUSTRIAL VALUATION SCHEDULES**

Enclosed are the 1999 Industrial Valuation Indicators for use in appraising industrial-type complexes.

The index lists types of industries recommended for use by this schedule. The Personal Property Valuation Indicators should also be used in conjunction with this schedule for valuing equipment contained in its index.

The schedule is printed in two formats. One separates the trend and depreciation tables, and the other is a combination of the trend factor and depreciation. Both of these schedules are used as "multipliers." Due to rounding by the computer, you will not get the exact same answer from both schedules, but the difference is negligible.

When using this schedule for buildings, it should be taken into consideration that principle buildings in some industrial plants may not be single purpose in nature. In these instances, the use of the Industrial Valuation Schedules may not be appropriate. The cost, income, or comparable sales method could be the best indication of value.

In appraising a plant using this technique, current year additions and deletions to that plant should be recognized. These adjustments do not violate the revaluation cycle.

These schedules are published as a guide in estimating market value; they do not reflect abnormal or extraordinary obsolescence that, when identified, should be considered separately. Additional functional or economic obsolescence adjustments may be necessary where documented information indicates market value is not being obtained.

Any questions may be directed to me at (360) 664-3182.

MJM:lsc  
Enclosures

## INDEX OF INDUSTRIAL PROPERTIES

Use Schedule on All Plant M&E (buildings require the use of a separate schedule):

- Bakeries -- Industrial
- Bleach Manufacturing
- Bottling & Soft Drink Mfg.
- Brewing & Distilling
- Cement, Clay & Brick Products Mfg.
- Chemical Products Mfg.
- Container Mfg.
- Dairy Processing
- Extrusion M&E
- Fertilizer Mfg.
- Flour, Cereal & Grain Milling
- Food Processing
- Foundries
- Ice & Refrigeration
- Iron & Steel Mfg.
- Pulp, Paper, Paperboard
- Plywood & Veneer
- Sawmills -- Stationary
- Shake & Shingle Mills -- Stationary
- Steam Generating Plants
- Meat Processing (Complex)
- Mining & Milling
- Petroleum Refining
- Smelting

Use of Schedule May Apply on Major Pieces of Equipment Within an Industry:

- Aircraft Mfg. M & E
- Feed Mill M&E
- Seed Cleaning M&E
- Marine Construction
- Fish Processing M&E
- Machine Shop M&E (Maintenance & Production)
- Metal Fabrication
- Sheet Metal Fabrication
- Ski Tows & Lifts
- Winery

1999 COMBINED TABLES									
AGE	YEAR	M & E AVE 7.5%	BREWING DISTILL 7.5%	CEMENT & CLAY 7.5%	CREAM DAIRY 7.5%	FLOUR MILLS 7.5%	FOUNDRIES FURNACES 4.5%	METAL FABR 7.5%	MINING MILLING 8.5%
1	1998	0.925	0.925	0.925	0.925	0.925	0.955	0.925	0.915
2	1997	0.863	0.864	0.865	0.864	0.864	0.921	0.864	0.846
3	1996	0.811	0.812	0.810	0.813	0.811	0.891	0.809	0.787
4	1995	0.762	0.765	0.763	0.765	0.762	0.865	0.762	0.731
5	1994	0.730	0.735	0.730	0.737	0.733	0.858	0.732	0.690
6	1993	0.694	0.696	0.691	0.701	0.697	0.840	0.694	0.649
7	1992	0.655	0.654	0.649	0.659	0.655	0.814	0.651	0.606
8	1991	0.613	0.611	0.605	0.617	0.611	0.785	0.608	0.564
9	1990	0.578	0.578	0.571	0.584	0.577	0.765	0.574	0.528
10	1989	0.549	0.550	0.542	0.556	0.547	0.751	0.546	0.498
11	1988	0.535	0.539	0.527	0.545	0.535	0.752	0.529	0.480
12	1987	0.516	0.520	0.505	0.528	0.516	0.750	0.511	0.454
13	1986	0.484	0.487	0.471	0.496	0.484	0.725	0.479	0.419
14	1985	0.452	0.455	0.439	0.466	0.452	0.697	0.446	0.385
15	1984	0.425	0.427	0.412	0.439	0.425	0.678	0.420	0.356
16	1983	0.404	0.405	0.390	0.416	0.402	0.665	0.399	0.333
17	1982	0.380	0.380	0.367	0.389	0.376	0.649	0.377	0.312
18	1981	0.368	0.368	0.358	0.377	0.364	0.648	0.365	0.301
19	1980	0.375	0.376	0.368	0.386	0.372	0.686	0.374	0.305
20	1979	0.382	0.385	0.374	0.397	0.382	0.728	0.385	0.307
21	1978	0.386	0.388	0.378	0.400	0.386	0.763	0.390	0.307
22	1977	0.384	0.385	0.376	0.397	0.383	0.784	0.388	0.304
23	1976	0.374	0.375	0.368	0.387	0.373	0.789	0.378	0.294
24	1975	0.368	0.367	0.361	0.380	0.366	0.801	0.372	0.288
25	1974	0.380	0.383	0.381	0.392	0.381	0.867	0.390	0.302
26	1973	0.406	0.414	0.412	0.423	0.413	0.969	0.422	0.318
27	1972	0.390	0.397	0.395	0.406	0.396	0.963	0.407	0.301
28	1971	0.372	0.382	0.378	0.390	0.378	0.953	0.390	0.284
29	1970	0.365	0.378	0.372	0.385	0.371	0.958	0.380	0.276
30	1969	0.359	0.374	0.367	0.379	0.365	0.979	0.376	0.268
31	1968	0.347	0.363	0.354	0.367	0.352	0.978	0.364	0.256
32	1967	0.333	0.350	0.340	0.352	0.337	0.961	0.346	0.243
33	1966	0.321	0.337	0.328	0.340	0.325	0.953	0.332	0.231
34	1965	0.306	0.322	0.314	0.327	0.310	0.955	0.323	0.218
35	1964	0.287	0.302	0.295	0.306	0.290	0.940	0.308	0.202
36	1963	0.268	0.283	0.277	0.286	0.271	0.916	0.290	0.186
37	1962	0.249	0.262	0.257	0.266	0.251	0.879	0.270	0.171
38	1961	0.231	0.244	0.238	0.247	0.233	0.851	0.253	0.157
39	1960	0.214	0.226	0.219	0.228	0.214	0.824	0.237	0.143
40	1959	0.200	0.212	0.206	0.214	0.200	0.810	0.226	0.132
41	1958	0.188	0.199	0.195	0.203	0.189	0.788	0.213	0.123
42	1957	0.178	0.189	0.186	0.193	0.179	0.775	0.203	0.116
43	1956	0.178	0.190	0.187	0.194	0.179	0.803	0.204	0.114
44	1955	0.180	0.194	0.189	0.196	0.181	0.838	0.206	0.115
45	1954	0.172	0.185	0.179	0.186	0.172	0.823	0.195	0.108
46	1953	0.161	0.173	0.169	0.175	0.162	0.800	0.184	0.100
47	1952	0.151	0.162	0.158	0.164	0.151	0.774	0.172	0.093
48	1951	0.140	0.150	0.146	0.152	0.141	0.741	0.160	0.085
49	1950	0.138	0.150	0.144	0.146	0.139	0.755	0.158	0.083
50	1949	0.134	0.146	0.138	0.145	0.133	0.744	0.151	0.078

**1999 COMBINED TABLES**

AGE	YEAR	PRIMARY	PULP	PETRO &	PETRO &	REFIG	WOOD	BLDG AVE	CHEMICAL
		REDUCT 7.0%	PAPER 7.5%	CHEMICAL 8.5%	CHEM TANKS 6.5%	& COLD 8.0%	PRODS 7.5%	C-D-S 4.0%	BLDGS 6.0%
1	1998	0.930	0.925	0.915	0.935	0.920	0.925	0.960	0.935
2	1997	0.874	0.863	0.837	0.874	0.855	0.859	0.938	0.889
3	1996	0.826	0.814	0.775	0.827	0.799	0.815	0.925	0.854
4	1995	0.781	0.763	0.710	0.774	0.748	0.761	0.897	0.807
5	1994	0.748	0.730	0.673	0.750	0.714	0.724	0.888	0.779
6	1993	0.715	0.696	0.631	0.718	0.675	0.693	0.883	0.754
7	1992	0.679	0.658	0.578	0.672	0.633	0.663	0.878	0.730
8	1991	0.642	0.617	0.524	0.623	0.589	0.625	0.854	0.691
9	1990	0.611	0.582	0.484	0.588	0.554	0.588	0.830	0.655
10	1989	0.586	0.552	0.446	0.553	0.523	0.558	0.816	0.627
11	1988	0.574	0.539	0.423	0.537	0.508	0.545	0.799	0.597
12	1987	0.551	0.519	0.411	0.532	0.486	0.525	0.792	0.577
13	1986	0.517	0.486	0.382	0.506	0.454	0.492	0.765	0.543
14	1985	0.483	0.453	0.341	0.462	0.421	0.458	0.740	0.511
15	1984	0.455	0.424	0.315	0.436	0.393	0.429	0.724	0.487
16	1983	0.432	0.403	0.294	0.415	0.372	0.408	0.718	0.471
17	1982	0.411	0.379	0.271	0.391	0.349	0.386	0.711	0.454
18	1981	0.403	0.367	0.262	0.387	0.337	0.372	0.709	0.441
19	1980	0.416	0.375	0.275	0.415	0.343	0.378	0.728	0.441
20	1979	0.425	0.381	0.274	0.422	0.348	0.383	0.764	0.451
21	1978	0.432	0.384	0.274	0.431	0.349	0.388	0.813	0.467
22	1977	0.435	0.383	0.269	0.432	0.344	0.389	0.861	0.482
23	1976	0.428	0.374	0.261	0.429	0.332	0.381	0.875	0.477
24	1975	0.426	0.368	0.252	0.423	0.323	0.378	0.889	0.472
25	1974	0.454	0.383	0.254	0.436	0.333	0.383	0.953	0.493
26	1973	0.485	0.412	0.268	0.470	0.357	0.402	0.998	0.503
27	1972	0.466	0.394	0.257	0.461	0.342	0.384	1.050	0.515
28	1971	0.448	0.377	0.244	0.447	0.326	0.367	1.095	0.523
29	1970	0.442	0.370	0.235	0.440	0.321	0.359	1.132	0.527
30	1969	0.437	0.364	0.227	0.435	0.316	0.354	1.146	0.520
31	1968	0.423	0.350	0.218	0.425	0.305	0.340	1.176	0.519
32	1967	0.408	0.336	0.206	0.411	0.293	0.325	1.183	0.509
33	1966	0.395	0.324	0.193	0.393	0.281	0.313	1.179	0.493
34	1965	0.379	0.309	0.182	0.379	0.267	0.301	1.173	0.479
35	1964	0.357	0.289	0.167	0.357	0.248	0.283	1.159	0.460
36	1963	0.335	0.270	0.154	0.337	0.232	0.265	1.135	0.439
37	1962	0.312	0.250	0.142	0.316	0.214	0.246	1.121	0.422
38	1961	0.291	0.232	0.131	0.297	0.198	0.229	1.093	0.401
39	1960	0.269	0.213	0.119	0.276	0.182	0.211	1.060	0.379
40	1959	0.253	0.199	0.109	0.259	0.170	0.199	1.040	0.362
41	1958	0.239	0.188	0.102	0.247	0.159	0.187	1.030	0.349
42	1957	0.229	0.178	0.094	0.234	0.150	0.178	1.005	0.332
43	1956	0.230	0.178	0.091	0.230	0.149	0.178	0.994	0.320
44	1955	0.234	0.180	0.089	0.229	0.152	0.180	1.008	0.316
45	1954	0.224	0.171	0.083	0.220	0.145	0.171	1.001	0.305
46	1953	0.212	0.161	0.077	0.209	0.135	0.161	0.977	0.290
47	1952	0.199	0.151	0.074	0.204	0.125	0.151	0.954	0.276
48	1951	0.186	0.140	0.069	0.193	0.116	0.140	0.923	0.260
49	1950	0.184	0.138	0.068	0.196	0.115	0.138	0.991	0.272
50	1949	0.177	0.132	0.065	0.190	0.111	0.132	1.000	0.267

**TREND TABLES**

**1998 = 100%**

<b>AGE YEAR</b>	<b>M &amp; E AVE</b>	<b>BREWING DISTILL</b>	<b>CEMENT &amp; CLAY</b>	<b>CREAM DAIRY</b>	<b>FLOUR MILLS</b>	<b>METAL FABR</b>	<b>MINING MILLING</b>
1 1998	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2 1997	1.009	1.010	1.010	1.010	1.010	1.009	1.011
3 1996	1.025	1.026	1.023	1.027	1.025	1.022	1.027
4 1995	1.041	1.046	1.042	1.045	1.041	1.040	1.044
5 1994	1.078	1.085	1.079	1.089	1.083	1.080	1.076
6 1993	1.108	1.110	1.103	1.119	1.112	1.108	1.105
7 1992	1.130	1.128	1.120	1.137	1.130	1.124	1.129
8 1991	1.144	1.140	1.129	1.151	1.140	1.134	1.148
9 1990	1.167	1.166	1.151	1.179	1.164	1.158	1.174
10 1989	1.198	1.199	1.183	1.213	1.193	1.190	1.211
11 1988	1.262	1.270	1.242	1.286	1.260	1.248	1.276
12 1987	1.316	1.326	1.286	1.346	1.316	1.303	1.317
13 1986	1.335	1.343	1.298	1.367	1.333	1.319	1.328
14 1985	1.348	1.355	1.307	1.389	1.348	1.328	1.335
15 1984	1.368	1.375	1.326	1.414	1.369	1.352	1.351
16 1983	1.405	1.409	1.358	1.447	1.400	1.389	1.378
17 1982	1.430	1.429	1.380	1.466	1.416	1.420	1.410
18 1981	1.497	1.496	1.455	1.536	1.481	1.485	1.488
19 1980	1.652	1.654	1.617	1.699	1.638	1.646	1.652
20 1979	1.817	1.832	1.779	1.888	1.815	1.829	1.813
21 1978	1.986	1.993	1.943	2.059	1.984	2.006	1.984
22 1977	2.136	2.143	2.090	2.208	2.129	2.159	2.145
23 1976	2.249	2.254	2.209	2.325	2.241	2.274	2.272
24 1975	2.390	2.383	2.344	2.465	2.374	2.417	2.432
25 1974	2.665	2.689	2.675	2.751	2.675	2.741	2.783
26 1973	3.086	3.142	3.132	3.215	3.136	3.207	3.200
27 1972	3.197	3.261	3.242	3.329	3.246	3.337	3.307
28 1971	3.305	3.390	3.357	3.460	3.354	3.459	3.417
29 1970	3.501	3.622	3.571	3.687	3.559	3.641	3.626
30 1969	3.724	3.878	3.803	3.933	3.786	3.896	3.856
31 1968	3.887	4.064	3.970	4.111	3.942	4.075	4.016
32 1967	4.039	4.244	4.127	4.272	4.088	4.195	4.164
33 1966	4.205	4.423	4.295	4.462	4.258	4.356	4.337
34 1965	4.336	4.565	4.451	4.625	4.393	4.571	4.473
35 1964	4.391	4.624	4.515	4.691	4.441	4.710	4.522
36 1963	4.439	4.682	4.581	4.743	4.487	4.804	4.570
37 1962	4.452	4.694	4.595	4.761	4.491	4.827	4.581
38 1961	4.476	4.724	4.609	4.786	4.506	4.896	4.587
39 1960	4.467	4.735	4.589	4.771	4.477	4.963	4.560
40 1959	4.520	4.788	4.657	4.836	4.530	5.108	4.612
41 1958	4.597	4.868	4.776	4.958	4.612	5.208	4.695
42 1957	4.717	4.996	4.920	5.108	4.729	5.361	4.814
43 1956	5.085	5.422	5.342	5.529	5.120	5.817	5.212
44 1955	5.571	6.002	5.833	6.038	5.591	6.355	5.697
45 1954	5.752	6.198	5.997	6.206	5.748	6.534	5.864
46 1953	5.818	6.260	6.100	6.311	5.848	6.646	5.960
47 1952	5.883	6.324	6.164	6.387	5.917	6.736	6.032
48 1951	5.889	6.342	6.167	6.406	5.934	6.758	6.048
49 1950	6.324	6.834	6.591	6.670	6.333	7.208	6.427
50 1949	6.587	7.182	6.806	7.163	6.535	7.435	6.641

**TREND TABLES**

1998 = 100%

<b>AGE</b>	<b>YEAR</b>	<b>PULP PAPER</b>	<b>PETRO &amp; CHEMICAL</b>	<b>REFIG &amp; COLD</b>	<b>WOOD PRODS</b>	<b>BLDG AVG C-D-S</b>
1	1998	1.000	1.000	1.000	1.000	1.000
2	1997	1.009	1.000	1.010	1.004	1.017
3	1996	1.029	1.012	1.026	1.029	1.045
4	1995	1.043	1.013	1.045	1.040	1.056
5	1994	1.078	1.049	1.084	1.070	1.090
6	1993	1.111	1.075	1.113	1.106	1.128
7	1992	1.136	1.076	1.134	1.144	1.169
8	1991	1.151	1.067	1.147	1.167	1.183
9	1990	1.174	1.077	1.173	1.186	1.199
10	1989	1.204	1.084	1.204	1.218	1.227
11	1988	1.270	1.124	1.271	1.285	1.251
12	1987	1.323	1.192	1.323	1.337	1.293
13	1986	1.340	1.212	1.342	1.355	1.301
14	1985	1.349	1.184	1.352	1.364	1.310
15	1984	1.365	1.195	1.373	1.382	1.335
16	1983	1.403	1.217	1.413	1.420	1.379
17	1982	1.427	1.227	1.440	1.453	1.423
18	1981	1.495	1.298	1.513	1.515	1.479
19	1980	1.649	1.489	1.674	1.661	1.582
20	1979	1.812	1.618	1.846	1.823	1.729
21	1978	1.973	1.768	2.010	1.993	1.915
22	1977	2.130	1.895	2.155	2.162	2.113
23	1976	2.245	2.013	2.263	2.287	2.236
24	1975	2.389	2.121	2.393	2.456	2.367
25	1974	2.692	2.342	2.675	2.689	2.644
26	1973	3.129	2.698	3.123	3.053	2.885
27	1972	3.234	2.832	3.244	3.153	3.163
28	1971	3.341	2.936	3.372	3.255	3.432
29	1970	3.547	3.086	3.604	3.444	3.699
30	1969	3.772	3.262	3.858	3.667	3.900
31	1968	3.928	3.417	4.044	3.816	4.168
32	1967	4.074	3.534	4.223	3.944	4.370
33	1966	4.242	3.616	4.401	4.103	4.534
34	1965	4.376	3.720	4.542	4.267	4.701
35	1964	4.423	3.751	4.602	4.340	4.836
36	1963	4.469	3.783	4.659	4.395	4.936
37	1962	4.481	3.799	4.673	4.406	5.076
38	1961	4.487	3.819	4.704	4.427	5.158
39	1960	4.458	3.799	4.711	4.410	5.208
40	1959	4.511	3.807	4.765	4.491	5.324
41	1958	4.591	3.889	4.845	4.582	5.491
42	1957	4.709	3.936	4.971	4.702	5.582
43	1956	5.097	4.144	5.393	5.095	5.750
44	1955	5.566	4.412	5.972	5.562	6.079
45	1954	5.721	4.529	6.170	5.721	6.283
46	1953	5.818	4.604	6.231	5.820	6.392
47	1952	5.882	4.800	6.296	5.889	6.502
48	1951	5.895	4.858	6.315	5.905	6.554
49	1950	6.296	5.286	6.823	6.302	7.321
50	1949	6.499	5.469	7.188	6.502	7.695

**DEPRECIATION SCHEDULES  
DECLINING BALANCE RATES**

AGE	YEAR	4.0%	4.5%	6.5%	7.0%	7.5%	8.0%	8.5%
1	1998	0.9600	0.9550	0.9350	0.9300	0.9250	0.9200	0.9150
2	1997	0.9216	0.9120	0.8742	0.8649	0.8556	0.8464	0.8372
3	1996	0.8847	0.8710	0.8174	0.8044	0.7915	0.7787	0.7661
4	1995	0.8493	0.8318	0.7643	0.7481	0.7321	0.7164	0.7009
5	1994	0.8154	0.7944	0.7146	0.6957	0.6772	0.6591	0.6414
6	1993	0.7828	0.7586	0.6681	0.6470	0.6264	0.6064	0.5868
7	1992	0.7514	0.7245	0.6247	0.6017	0.5794	0.5578	0.5370
8	1991	0.7214	0.6919	0.5841	0.5596	0.5360	0.5132	0.4913
9	1990	0.6925	0.6607	0.5461	0.5204	0.4958	0.4722	0.4496
10	1989	0.6648	0.6310	0.5106	0.4840	0.4586	0.4344	0.4113
11	1988	0.6382	0.6026	0.4774	0.4501	0.4242	0.3996	0.3764
12	1987	0.6127	0.5755	0.4464	0.4186	0.3924	0.3677	0.3444
13	1986	0.5882	0.5496	0.4174	0.3893	0.3629	0.3383	0.3151
14	1985	0.5647	0.5249	0.3903	0.3620	0.3357	0.3112	0.2883
15	1984	0.5421	0.5012	0.3649	0.3367	0.3105	0.2863	0.2638
16	1983	0.5204	0.4787	0.3412	0.3131	0.2873	0.2634	0.2414
17	1982	0.4996	0.4571	0.3190	0.2912	0.2657	0.2423	0.2209
18	1981	0.4796	0.4366	0.2983	0.2708	0.2458	0.2229	0.2021
19	1980	0.4604	0.4169	0.2789	0.2519	0.2273	0.2051	0.1849
20	1979	0.4420	0.3982	0.2608	0.2342	0.2103	0.1887	0.1692
21	1978	0.4243	0.3803	0.2438	0.2178	0.1945	0.1736	0.1548
22	1977	0.4073	0.3631	0.2280	0.2026	0.1799	0.1597	0.1417
23	1976	0.3911	0.3468	0.2131	0.1884	0.1664	0.1469	0.1296
24	1975	0.3754	0.3312	0.1993	0.1752	0.1540	0.1352	0.1186
25	1974	0.3604	0.3163	0.1863	0.1630	0.1424	0.1244	0.1085
26	1973	0.3460	0.3021	0.1742	0.1516	0.1317	0.1144	0.0993
27	1972	0.3321	0.2885	0.1629	0.1409	0.1219	0.1053	0.0909
28	1971	0.3189	0.2755	0.1523	0.1311	0.1127	0.0968	0.0831
29	1970	0.3061	0.2631	0.1424	0.1219	0.1043	0.0891	0.0761
30	1969	0.2939	0.2512	0.1332	0.1134	0.0964	0.0820	0.0696
31	1968	0.2821	0.2399	0.1245	0.1054	0.0892	0.0754	0.0637
32	1967	0.2708	0.2291	0.1164	0.0981	0.0825	0.0694	0.0583
33	1966	0.2600	0.2188	0.1088	0.0912	0.0763	0.0638	0.0533
34	1965	0.2496	0.2090	0.1018	0.0848	0.0706	0.0587	0.0488
35	1964	0.2396	0.1996	0.0951	0.0789	0.0653	0.0540	0.0446
36	1963	0.2300	0.1906	0.0890	0.0733	0.0604	0.0497	0.0408
37	1962	0.2208	0.1820	0.0832	0.0682	0.0559	0.0457	0.0374
38	1961	0.2120	0.1738	0.0778	0.0634	0.0517	0.0421	0.0342
39	1960	0.2035	0.1660	0.0727	0.0590	0.0478	0.0387	0.0313
40	1959	0.1954	0.1585	0.0680	0.0549	0.0442	0.0356	0.0286
41	1958	0.1876	0.1514	0.0636	0.0510	0.0409	0.0328	0.0262
42	1957	0.1800	0.1446	0.0594	0.0475	0.0378	0.0301	0.0240
43	1956	0.1728	0.1381	0.0556	0.0441	0.0350	0.0277	0.0219
44	1955	0.1659	0.1319	0.0520	0.0410	0.0324	0.0255	0.0201
45	1954	0.1593	0.1259	0.0486	0.0382	0.0299	0.0235	0.0184
46	1953	0.1529	0.1203	0.0454	0.0355	0.0277	0.0216	0.0168
47	1952	0.1468	0.1149	0.0425	0.0330	0.0256	0.0199	0.0154
48	1951	0.1409	0.1097	0.0397	0.0307	0.0237	0.0183	0.0141
49	1950	0.1353	0.1048	0.0371	0.0286	0.0219	0.0168	0.0129
50	1949	0.1299	0.1000	0.0347	0.0266	0.0203	0.0155	0.0118