

UNITED STATES
DEPARTMENT OF THE INTERIOR

DI-6

APPROVED DECEMBER 1941

Findings

located the "E" set of holes. They will give a good line for orientation. Will need to cut a little brush to start tomorrow.

The pit area appears to be mainly the dark rock with debris of calcite and a light rock rich in pyrite. The clay like material seems to grade into the dark rock in a pit 2 deep. The roughly E-W alignment of the dark rock out crops makes one wonder if the clay edges not follows fault.

There is very little seen immediately outside of what may be the outside. There are some dark material in the yellow (hard) rock which may be outside.

No holes were drilled in the dark rock but all follow the bottom in the dark rock. Except for a few small pits.

These holes should be plotted

Friday

On profile sheet at 100' horizontal
and 20' vertical.

399' \pm

Elevations of Points
based on U.S.G.S. Topo sheet Elev. of
pond in road at Office } 399'

- #1 390.36
- #2 411.73
- #3 393.26
- #4 405.38
- #5 390.14
- #6 397.14
- #7 422.54
- #8 421.56
- #9 ~~411.8~~ 435.39

June 30, 1947

From	To	Ht. Stand	R.R.	H	V	H.D.	V.S	Diff.	Elev. Stand	Elev. Point
			2.0		40		-10.0	-12.00	125.5	113.5
			2.0		60		+10.0	+8.00		135.5
										121.37
1	2	300	3.5	99.3	57	301	+21.0	+17.5	104.05	121.55
2	1	300	4.01		43	301	-21.0	-25.1		79.4
	3	304	2.4	99.7	46	304	15.75	-21.50		102.90
3	2	374	3.10	99.5	55	373	+18.7	+15.0		103.72
	2	372	3.1	99.5	55	371	+18.4	+15.3		↓
	4	198	2.3	99.4	56	198	+11.9	+9.6		115.02
4	3	198	1.3	99.3	57	198	-13.89	-15.1		
4	3	275	5.45		45	196	-2.8	-1.5		103.52
	5	285	5.75		46	285	-11.43	-7.35		101.42
5	4	285	1.25		55	285	+14.25	+13.00		
	3	300	0.0		50	301	-	0.0		
2	6	286	7.2		46	286	-11.44	+8.64		106.78
6	2	270	5.0	99.4	56	286	+17.22	+12.72		132.18
	7	296	3.5	99.1	59	288	+26.10	+22.60		131.58
7	6	285	4.75	99.2	42		+23.60	+19.05		
	2	290	8.5		48	291	-5.8	-4.3		

Stand	To	Ht. Stand	R.R.	H	V	H.D.	V.S	Diff.	Elev. Stand	Elev. Point
1	1	310	7.7		50		-	-7.7	398.06	390.36
6	8	310	2.5	99.3	51	304	+17.0	+16.2		421.56
2	6	325	3.45		43	319	+22.4	+25.9		
	9	284	1.85		56	28	+14.2	+12.3		425.39
9	8	230	1.8		45	277	-	-		
	6	410	9.9		43	41	-	-		
	7	190	5.25		46	19	-	-		
	2	485	5.5		46	414	-1.4	-24.9		411.8

399 ✓
399.6
399.6
399.6

330
3

67
15 VS
9005

	3	41	170	67	330	2.	35	66	1000	1335	
	To	HT	2 1/2	2 1/2	4	V	H.D.	V.57	DAT.	Point	Stat.
11	1.00	134	470	15	62	132	116.1	1114		374.6	
12	1.40	134	470	2	58	187	17.00	15 01			
13	1.40	135	326	15	63	144	1898	12.33			
14	1.40	135	326	2	64	132	1790	15.67		409.2	
15	1.40	132	265	(R)	64	129	1849	15.84			
16	1.70	121	365	3	"	121	2132	17.47			
17	1.70	130	377	3	64	126	23.70	19.63		404.2	
18	1.70	154	274	25	66	150	27.00	22.16		416.7	
19	1.70	195	673	1	59	173	34.77	19.04			
20	1.70	195	147	2	62	143	21.45			199.8	
21	1.70	210	215	2	62	214	2376			197.1	
22	1.70	215	115	2	61	215	2365			225.6	
23	1.70	152	307	5	54	157	608	3.07			
24	1.70	215	307	10	52	215	430	1.23			
25	1.70	176	257	10	52	175	350	1.87			
26	1.70	143	177	10	53	143	42	2.52			
27	1.70	143	317	10	52	143	230	0.37			
28	1.70	145	120	10	51	145	145	0.25			
29	1.70	172	312	0	51	172	172				
30	1.70	135	374	0	53	135	415	1.41			
31	1.70	184	244	5	54	173	723	1.11			
32	1.70	146	204	5	57	145	1022			0.48	
33	1.70	147	199	5	57	146	6.72	8.35		1.35	
34	1.40	147	10.00	5	76	147	3.94	13.94			
35	1.70	144	787	5	45	143	7.20	15.07			
36	1.70	129	776	5	45	123	6.70	1.06			
37	1.70	117	876	5	45	116	5.76	4.32			
38	1.70	127	740	5	45	126	8.10	1.30			
39	1.70	147	624	5	45	146	7.35	13.39			
40	1.70	116	755	5	45	115	5.70	1.25			

7/2/47

3	73	1.78	1.24	933	5	75	123	-620	-15.53	374.74	372.21
	74		1.05	584	5	75	104	-29.00	-11.07		383.65
	75		1.01	277	5	75	100	-5.05	-7.82		386.92
	76		83	201	5	75	83	-9.76	-11.97		382.77
	77		69	634	1	39	68	-7.57	-14.93		379.81
	78		54	931	5	43	54	-3.78	-13.09		387.65
	79		65	526	1	38	64	-7.80	-13.06		382.68
	80		80	960	5	46	80	-320	-12.80		381.94
5/77	81	1.38	83	598	0	50	83	0	-398	377.67	388.66
	82		56	382	5	44	56	-336	-7.24		387.70
	83		74	235	5	45	74	-370	-6.05		386.57
	84		16	599	5	47	76	-230	-8.29		386.45
	85		63	532	0	78	63	-1.26	-6.58		388.06
	86		160	483	0	48	160	-320	-8.93		386.67
	87		156	874	0	50	156	0	-8.11		386.20
	88		145	724	0	48	145	290	-10.14		384.50
	89		141	790	5	47	170	-123	-12.13		382.51
	90		127	330	5	45	126	-635	-9.65		387.99
	91		112	540	5	46	111	-478	-9.88		387.76
	92		117	337	5	45	116	-427	-7.67		387.06
	93		75	956	0	50	75	0	-9.56		384.59
	94		187	200	0	48	187	-374	-5.74		388.90
	95		56	638	1	42	55	4.78	-10.86		383.78
	96		69	357	1	42	68	-5.42	9.49		385.55
	97		87	651	0	44	87	87	-7.38		386.26
	98		122	847	0	51	128	+122	-7.25		387.31
	99		146	850	0	51	146	+146	-7.09		387.60
	100		126	694	0	47	126	-126	-5.45		382.96
	101		165	745	0	51	165	+165	6.40		388.29
	102		78	774	0	51	78	78	6.76		387.68

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Sta	To	HT	SL	RR	H	V	H ₂	V ₂	Diff	Point	Sta
103	103	138	57	9.09	.5	53	137 +1.62	-7.4	591.64	391.17	
	104		58	5.39	.5	54	58 +2.32	-3.07		392.57	
5	105		16	7.32	0	60	76 0	-4.32	392.68	390.32	
	106		28	7.02	0	51	25 - .35	-7.4		389.89	
	107		57	1.67	0	52	87 -1.18	-0.53		391.19	
	108		68	2.32	.5	55	68 +3.90	-1.08		393.76	
	109		73	5.49	x2	58	72 +5.84	+3.5		394.75	
	110		96	7.05	.5	57	96 +6.72	+2.67		395.39	
	111		118	4.51	.5	57	117 +8.26	+3.75		396.27	
	112		112	5.05	.5	57	111 +7.74	+2.81		397.11	
	113		167	4.34	.5	57	163 +1.98	-7.14		398.08	
	114		161	4.79	.5	53	160 +4.83	-1.6		398.88	
	115		146	3.91	.5	55	145 -7.30	-7.26		399.53	
	116		105	3.19	.5	56	119 +6.00	+1.65		400.27	
	117		104	4.65	.5	56	603 +6.24	+1.59		401.00	
	118		118	5.00	.5	56	610 +5.80	+1.80		401.80	
	119		90	3.36	.0	49	90 -3.0	-4.26		402.54	
	120		63	3.14	.7	70	62 -6.35	-9.44		403.28	
	121		107	5.14	.0	58	107 2.14	3.98		404.04	
	122		66	1.28	.5	43	66 -2.2	-5.90		404.78	
	123		67	5.12	.4	44	62 -1.6	-8.78		405.52	
	124		47	7.03	0	49	47 -0.47	-9.50		406.26	
	125		13	4.0	0	50	13 0	-3.0		407.00	
	126		16	4.85	0	50	16 0	-4.85		407.74	
	127		38	5.14	0	49	38 -3.8	-5.60		408.48	
	128		56	4.43	0	50	56 0	-4.55		409.22	
	129		105	7.03	0	50	105 0	-7.53		410.00	
	130		132	6.51	0	50	132 0	-6.51		410.74	
	131		215	8.35	0	49	215 -2.15	-10.50		411.48	
	132		135	7.07	.5	54	134 -5.9	-12.47		412.22	
	133		101	4.4	.5	44	100 -0.6	-9.18		413.00	

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From	To	H	J	Sta	RR	H	V	N	D	V	S	Dip	Diff	Point	Sta
5	134	194		73	540	.5	44	73	-958	-9.98	39208			382.10	
0	135			72	377	0	50	71	0	-347				388.61	
	136			75	582	.5	53	75	-225	-7.57				389.75	
	137			120	854	.5	57	119	-360	-7.10				379.98	
	138			107	955	0	51	107	107	-10.62				381.46	
	139														
3	140	194		106	373	0	49	106	-106	-7.99	39208			389.75	
5	148	194		122	914	.5	64	121	-488	-7.1	39208			392.75	
6	149			165	219	.5	55	147	-825	-15.06				396.90	
5	139	794		64	631	.5	43	64	-448	-10.79	39208			381.21	
	140			95	503	0	48	95	-190	-9.93				382.15	
	141			68	850	.5	43	68	-776	-13.26				368.82	
	142			140	900	.5	47	139	-420	-13.20				382.88	
	143			104	1053	.5	47	103	312	-13.65				398.43	
	144			67	710	1	39	66	-737	-14.55				377.53	
	145			76	905	.5	59	75	-674	-12.31				387.77	
	146			52	898	1	40	51	-526	-11.12				377.96	
	147			69	1033	.5	43	69	-483	-15.16				376.92	
	148			75	495	1	39	74	-825	-12.80				379.28	
7	148	210		85	855	1	39	84	-935	-12.90	39208			389.58	
	149			100	628	1	39	99	-1080	-17.17				390.31	
	150			63	863	1	39	62	-637	-14.92				372.56	
	151			86	675	.5	43	86	-602	-12.77				394.71	
	152			52	928	3	34	50	-832	-17.60				389.80	
	153			60	655	3	4	58	-960	-16.15				391.33	
	154			17	400	.5	57	17	+119	-2.91				304.67	
	155			35	507	1	60	35	+350	-1.57				405.09	
	156			47	617	1	62	47	+504	-6.3				406.85	
	157			66	1015	3	68	64	+188	-1.63				409.11	
	158			95	765	2	64	93	+1330	-3.82				411.50	

From	To	H	F	Sta	RW	H	V	H-D	V-S	Diff	Point	Sta
4	159	2	10	25	10 18	0	48	25	-0.56	-10.68	407.10	396.80
	160			42	707	0	48	42	-0.81	-7.91	407.10	397.57
	161			53	10.50	0	50	63	0	-10.50		396.98
	162			85	11.75	2	59	84	+7.65	-4.10		393.38
	163			88	11.70	0	52	88	+1.76	-9.44		398.07
	164			95	10.70	0	52	95	+0.95	-9.75		397.73
	165			76	7.25	.5	45	76	-3.80	-11.05		396.43
	166			56	7.97	.5	46	56	-2.24	-9.72		397.77
	169			76	6.30	.5	45	76	-3.80	-10.16		397.38
	168			96	5.30	.5	45	96	-4.80	-10.10		397.38
	169			115	5.15	.5	45	114	-5.25	-10.43		396.55
	170			130	6.02	.5	45	129	-1.50	-12.52		394.74
	171			135	6.10	.5	46	174	7.00	-13.10		397.38
	172			222	7.25	.0	48	222	-4.74	-6.69		300.74
1	173			180	6.08	.0	51	180	-1.80	-3.28		403.20
	174			165	3.90	.0	50	165	0	-3.90		403.58
	175			137	6.44	.0	52	137	-2.74	3.67		403.81
	176			108	4.97	0	52	108	+1.08	-2.89		404.59
	177			92	3.99	0	51	92	+9.2	-2.17		405.21
July 5	178			62	1.45	0	51	61	+6.1	-8.4		406.67
	179	2	10	86	2.4	.5	55	86	-4.20	+7.0		406.68
	180			97	3.0	.5	53	97	-1.90	-6.0		406.81
	181			104	3.5	.3	54	104	-4.20	+7.0		407.15
	182			113	2.2	.2	52	113	-2.30	4.0		407.58
	183			105	3.5		55	105	5.3	+5.0		408.28
	184			106	8.5		60	107	+13.0	+4.5		411.98
	185			124	7.5	2.0	64	122	12.4	9.9		417.38
	186			135	6.0	1.2	61	134	14.9	8.9		416.38
	187			160	4.5		47	159	-4.80	14.3		406.18
	188			205	7.3		50	205	0	7.3		407.15
	189			235	6.5		50	235				

July 5, 1948

From to	H ₂	Std. R.R.	H	V	H ₁₀	V ₅	D. 50	Std.	Part
L 190	0.57	176	1.1	0	52	176	3.5	2.4	370.5
191		160	1.3	0	52	160	3.2	1.9	
192		133	2.3	0	53	133	4.2	1.8	
193		25	4.3	0	53	125	3.7	.6	
194		120	2.0	0	52	120	3.6	1.6	
195		113	3.1	0	50	113		3.1	
196		90	5.8	0	50	90		5.8	
197		70	6.7	0	56	70		6.7	
198		72	5.0	0	50	72		3.0	325.3
199		55	4.5	0	50	55		4.5	
200		44	4.6	0	50	44		4.6	
201		46	2.5	0	50	46		2.5	
202		24	3.0	0	50	24		3.0	
203		34	4.7	0	50	34		4.7	
204		47	6.0	0	50	47		6.0	
205		54	4.2	0	50	54		4.2	
206		54	3.5	0	50	54		3.5	
207		60	2.1	0	50	60		2.1	
208		85	2.7	0	50	85		2.7	
209		116	1.5	0	50	116		1.5	
210		100	3.0	0	50	100		3.0	
211		164	2.3	0	50	164		2.3	
212		165	2.7	0	53	165		2.7	
213		190	2.7	0	53	190		2.7	
214		211	2.0	0	53	211		2.0	
215		213	2.0	0	53	213		2.0	
216		198	2.7	0	53	198		2.7	
217		310	5.0	.8	58	307	25.0	20.0	410.3
218		295	6.5	.8	58	293	24	17.5	
219		290	5.7	.8	58	287	29.2	17.5	
220		240	6.5	.8	58	237	23.2	17.5	

July 5, 1947

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From	To	H.S.	stad	R.R.	H	V	H.D.	V.S	Diff	Stat	Point
1	221	0.57	290	3.6		57	288			390.93	
	222		290	2.5		56	289				
	223		290	2.1		57	288				
	224		285	1.3		56	283				
	225		294	5.1		58	291				
	226		298	4.5		58	295				
	227		295	4.5		58	292				
	228		300	5.7		58	297	+24	+18.3		409.2
	229		308	8.0		58	305	+24.6	+16.6		407.5
	230		330	7.2		58	327	+26.4	+19.2		410.1
	231		345	6.2		58	342				
	232		358	9.0		57	355				
	233		345	8.7		59	342				
	234		335	7.7		59	332				
	235		330	7.8		59	327				
	236		352	7.6		58	363	+30.2	+22.6		413.5
	237		320	6.4		59	338				
	238		38	10.99	1	58	38	+30.4	-7.95		383.8
	239		67	5.15	.5	47	67	47.8	-9.63		381.30
	240		53	6.02	.5	49	53	37.8	-9.20		382.73
	241		28	7.04	1	40	28	28.0	-9.87		382.09
	242		49	5.38	1	40	49	49.0	-10.78		380.65
	243		60	3.92	1	40	59	60.0	-9.76		380.97
	244		76	2.34	1	42	75	60.8	-8.42		382.51
	245		100	3.12	.5	44	100	60.0	-9.12		381.82
	246		114	4.67	.5	45	113	5.65	-10.42		380.51
	247		144	1.82	1	44	143	-8.67	-10.96		380.77
	248		170	1.15	1	44	168	-10.20	-11.35		379.58
	249		180	7.66	0	48	180	3.60	-11.26		380.67
	250		154	6.01	0	49	154	1.74	-7.45		383.38

From	To	H.H.T.	stad.	P.R.	H	V	H.D	W.S	diff	stat	Point
1	252	0.57	352	512	0	52	152	-1.52	-6.63	90.93	389.30
	252		132	528	0	52	132	+1.32	-6.60		389.33
	253		117	477	0	52	117	+1.17	370		389.63
	254		105	627	0	52	105	+1.05	-5.12		385.81
	255		126	772	0	52	126	+1.26	-6.46		384.57
	256		108	790	0	52	108	+1.08	-6.62		384.31
	257		136	846	0	48	13	677	211.68		379.25
	258	1.06	78	1058	0	49	78	-78.11	339.76		377.84
	259		82	526	0	48	82	-16.4	-6.90		389.35
	260		105	424	0	48	105	2.10	-6.34		387.86
	261		94	412	0	48	94	1.88	-6.08		385.15
	262		61	578	0	49	61	61	-6.04		385.11
	263		85	480	0	49	85	-85	-5.65		385.55
	264		116	620	0	49	116	116	-7.36		383.84
	265		146	562	0	49	146	146	-7.08		384.12
	266		150	426	5	54	140	16.00	-3.26		387.94
	267		183	788	0	52	182	13.66	-6.71		387.98
	268		196	761	0	52	196	37.2	-3.69		387.69
	269		230	360	0	52	230	-230	-1.30		387.90
	270		268	816	5	54	268	40.72	+1.56		395.76
	271		268	1050	5	54	268	107.2	40.22		391.42
	272		276	473	5	54	275	41.04	+1.92		393.11
	273		261	832	5	53	260	7.03	-1.93		370.72
	274		160	775	5	53	259	7.80	+1.05		371.20
	275		262	410	0	50	262	0	-5.15		386.10
	276		295	590	0	50	295	0	-5.90		384.30
	277		264	684	5	55	280	11.24	+1.46		385.60
	278		284	216	5	55	283	11.01	+1.54		402.74
	279		289	336	0	52	289	0	-7.82		373.62
	280		300	526	5	53	278	100	2.74		395.74

July 7, 1947, U.S.A.

From	To	H.I.	Std.	R.O.	H	V	H.P.	R.S.	Diff	F. Point	E. Stat.
Δ7	304	2.72	19	4.0	0	50	19		-4.0	425.2	
	305		26	7.0		50	26				
	306		44	9.3		50	44				
	307		49	8.8		50	49				
	308		80	11.3		47	80				
	309		93	9.5		47	93				
	310		105	10.4		47	105				
	311		122	10.2		49	122				
	312		140	11.0		49	140				
	313		145	21.8		48	145				
	314		155	10.1		46	155				
	315		175	9.5		46	175				
	316		193	8.5		46	193				
	317		205	6.7		46	205	-8.0	-14.7		+10.5
	318		270	11.3		50	270				
	319		247	8.2		50	247				
	320		235	10.3		50	235				
	321		225	4.0		58	225		-4.0		420.0
	322		205	3.0		50	205		-3.0		421.
	323		173	4.3		52	173				
	324		145	5.7		54	145	+5.0	+5.0-1		423
	325		126	9.9		52	126				
	326		95	4.3		50	95				
	327		63	3.0		50	63				
	328		46	3.0		50	46				
	329		34	1.0		56	34				
FM.	330		164	4.2		54	164				
	331		179	5.0		50	179				
	332		196	7.5		54	196	+7.8	+7.3		424.5
	333		218	8.4		54	217				

July 7, 1947

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From	To	H.F.	Std	R.R.	H	V	H.D.	V.S	Diff	E. Point	E. Stat
334	1.72	243	11.9			55	242			74.25	
335		250	10.0			54	249	+10.	0.0		425
336		260	5.6			53	260	+7.8	+2.2		426.4
337		266	10.2			56	265	+15.8	+5.6		429.8
338		246	6.6			56	245				
339		211	5.1			56	210				
340		184	3.7			58	188	+15.1	+11.4		435.6
341		179	6.4	1.5		62	176	+21.3	+19.8		444.0
342		155	11.0	2.0		65	152	+23.2	+21.2		445.4
343		132	5.2			61	131	+14.3	+9.3		433.5
344		115	4.0			60	114	+11.5	+7.5		31.7
345		86	2.0			60	85	+8.6	+6.6		436.8
346		75	0.5			60	74				
347		64	4.5			65	63				
348		94	1.2			59	93	+8.4	+7.2		431.4
349		92	3.0			60	91				
350		129	5.8			60	128				
351		163	1.3			54	163				
352		2.21	8.90		1	42	219	17.75	261.8	130	3980.7
353		96	8.94		2	37	94	12.48	214.20	283	665
354		86	7.33		2	37	84	11.18	185.51		405.79
355		83	10.32		3	39	80	-8.78	19.00		152.5
356		24	11.70		6	26	23	-5.77	17.44		406.81
357											
358		83	2.32		3	37	81	-13.25	15.60		408.68
359		108	4.82		2	41	107	-9.72	14.54		469.71
360		128	3.00		5	44	127	-7.68	10.68		113.57
361		104	8.12		15	45	104	5.20	13.32		411.93
362		137	6.10		15	45	130	6.85	13.55		417.0
363		144	4.02		15	45		7.35	11.37		412.88

From	To	H.I.	Sted	R.R.	H	V	M.D.	V.S.	Diff
364	113	712	5	45	157	82	1983	4740	5409.43
365	77	746	3	39	75	1232	1978		407.47
366	78	583	3	34	76				
367	81	72	3	34	104	1712	1964		
Δ7 368	97	735	5	54	24				
369	175	978	5	54	174				
370	161	142	0	52	161	322			
371	134	477	0	48	134	308			
372	167	447	0	48	167	334			
373	102	750	0	49	182	182			
374	155	740	0	50	155	350	940		
375	156	300	.5	46	155	324			
376	138	300	.5	46	137				
377	109	350	.5	45	107				
378	72	535	.5	47	72				
379	57	623	0	48	57				
380	85	753	0	48	85				
381	130	555	0	48	130				
382	145	81	0	42	161	165			
383	138	851	0	47	138	138			
384	195	1047	0	50	195	0			
385	180	987	0	50	180	0			
386	147	808	0	49	147	147			
387	48	820	.5	53	48	144	676	371.17	393.41
388	38	838	.5	51	38	152	6.80		392.51
389	26	706	.5	53	26	78	678		392.69
390	72	812	.5	54	72	112	7.04		392.13
391	38	1122	.5	56	38	121	8.94		390.23
392	51	346	.1	39	50	5.61	9.07		390.06
393	75	847	0	49	75	75	9.27		389.05

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Line	Sta	XX	V	HD	V.2	Diff	E. Point	Sta		
6	394	203	83	735	0	49	83-83	-1.6	39917	382.51
	395		67	599	.5	49	67	1.62		397.75
	396		67	658	.5	45	67	335		399.08
	397		68	697	.5	44	68	4.08		398.62
	398		109	117	5	46	103	4.16		393.84
	399		114	204	5	46	113	4.56		392.57
	400		103	454	5	46	102	4.12		390.51
	401		254	258	0	50	254	0	255	396.62
	402		195	560	0	49	195	1.95		391.62
	403		185	270	0	49	185	1.85		394.62
	404		160	452	0	50	160	0	452	394.65
	405		164	426	0	50	164	0	426	394.91
	406		182	571	0	50	184	0	571	393.96
	407		213	601	0	50	213	0	601	393.16
	408		82	827	0	50	82	0	827	390.90
	409		56	939	0	52	56	56	9.13	390.34
	410		100	956	0	52	100	1.00		390.61
	411		79	787	0	51	79	7.9		392.09
	412		96	307	0	48	96	1.92		394.83
	413		92	507	0	52	92	9.91		405.01
	414		105	650	0	51	105	1.05		393.72
	415		107	370	0	52	107	1.07		396.44
	416		87	311	0	52	87	8.71		396.57
	417		72	520	0	52	72	1.44		395.91
	418		62	736	0	52	62	1.14		393.15
	419		155	542	0	49	155	1.55		393.20
	420		129	570	0	49	129	1.29		392.19
	421		125	550	0	49	125	1.25		392.42
	422		132	590	0	49	132	1.32		391.95
	423		196	217	0	52	196	1.92		400.92

	S	HT	Sta	RK	H	V	H.D	V.S	Dir	Dist	Sta
6	424	203	255	120	5	55	199	1000	+2.9	392.9	401.97
	425	234	255	805	5	55	233	1170	+3.5		402.9
	426		230	605	5	53	229	1180	85		400.02
	427		195	938	0	52	195	+390	-5.45		393.92
	428		147	915	0	52	147	-79	-6.21		392.94
	429		75	839	0	52	75	+25	-6.64		392.53
	430		83	719	0	52	83	-83	-6.31		392.36
	431		65	645	0	52	65	-65	530		393.21
	432		95	740	0	52	95	+95	645		392.72
	433		120	476	0	48	120	-240	-6.5		392.31
	434		142	315	0	48	142	-14	-6.09		393.08
	435		130	330	0	48	130	-260	-5.90		393.27
	436		161	368	0	48	161	-322	-6.90		392.22
	437		87	270	0	49	187	-187	-4.57		394.60
	438		192	478	0	50	192	0	-4.75		394.39
	439		172	475	0	50	172	0	-4.75		394.72
	440		140	612	0	50	140	0	-6.12		393.05
	441		130	482	0	50	120	0	-4.87		394.36
	442		160	449	0	50	160	0	-4.47		394.7
	443		182	204	0	50	182	0	-2.04		396.53
	444		185	390	0	50	185	0	3.90		393.22
	445		239	535	.5	55	238	11.95	16.60		392.97
	446		216	882	.5	55	215	-40.80	-1.98		391.17
	447		207	892	.5	55	206	-10.35	+1.3		397.74
	448		212	519	0	52	212	-212	-3.57		395.10
	449		234	991	0	52	234	-468	-5.2		393.94
	450		285	815	0	52	285	-855	-5.3		393.87
	451		234	500	0	50	234	0	500		394.17
	452		185	820	0	50	185	0	500		394.79

1877 76	H.T.	S.L.	R.R.	V	H.D.	V.S.	Diffs	Sum
453	2.03	193	5.8	55	193	9.7	+3.9	399.24031
454		185	3.0	55	184	8.3	+3.3	404.5
456		175	2.8	55	177	8.8	6.0	405.2
456		189	5.7	58	188	14.1	8.4	407.0
457		190	3.0	56	189	11.4	8.4	407.6
458		200	1.7	55	198	10.0	8.3	407.9
459		225	6.8	55	227	11.8	4.5	403.7
460		255	3.0	52	255	5.1	2.1	401.3
461		267	5.0	52	267	5.3	3	399.5
462		305	6.5	52	305	6.1	-1.4	398.8
463		333	2.8	52	333	6.7	+3.9	404.1
464		335	2.0	53	335	10.6	+8.1	407.3
465		350	6.7	53	350	10.5	+3.8	403.0
466		380	2.0	51	380	3.8	1.8	401.0
467		337	3.0	57	336	13.5	10.5	409.7
468		326	4.5	53	325	16.3	11.8	411.0
469		330	4.5	53	329	16.5	12.0	411.2
470		334	4.0	55	332	16.7	12.7	411.9
471		326	2.5	53	325	16.3	13.8	403.0
472		315	5.0	56	313	15.9	13.9	403.1
473		305	4.8	57	303	21.4	15.6	404.8
474		287	9.0	57	286	20.1	16.1	405.3
475 Δ		308	3.6	53	300	+9.0	+5.4	404.6
476		75	10.8	0	50	75	0.0	397.778859
477		108	9.29	0	50	108	0	389.88
478		190	9.40	0	50	190	0	389.57
479		240	8.80	0	49	240	-2.90	387.93
480		324	2.03	0	50	324	0	397.09
481		330	6.13	0	50	336	0	393.04
482		325	6.68	0	48	325		

6	483	2.02	325	410	0	50	325	0	4.18	392.27	394.99
	484		318	267	0	50	318	0	1.67		397.50
	485		312	422	0	51	312	+3.12			398.16
	486		320	130	0	51	320	+1.90			398.57
	487		314	312	0	52	314	+6.28	+3.16		396.01
	488		292	280	0	52	292	-58	+30.7		396.13
	489		272	521	0	52	272	-272	-2.67		396.78
	490		279	866	0	52	279	+279	-5.87		393.30
	491		267	806	0	51	267	+2.67	-5.39		393.78
	492		236	961	0	52	236	+236	-6.35		392.72
475	493	357	300	377	0	48	300	+6.00	9.77	308.1	378.34
475	493		85	713	0	40	84	-8.50	+5.6		392.5
	494		59	346	3	33	57	+10.0	-13.56		494.6
	495		42	688	3	33	41	-7.1	-14.0		394.1
	496		37	674	3	33	36	-6.3	-13.2		394.9
	497		61	195	4	32	59	+1.6	-3.6		407.5
	498		87	167	2	36	87	+2.4	-14.1		394.0
	499		108	120	2	38	106	-12.9	-14.1		394.0
	500		150	669	5	46	150	-6.0	-13.7		394.4
	501		176	709	0	48	176	-3.5	-7.6		400.5
	502		200	115	0	48	200	-4.0	-5.2		407.0
	503		209	855	0	52	209	+4.2	+4.4		412.5
	504		201	1007	0	52	201	+4.1	+6.1		414.2
	505		144	1046	0	52	144	-2.9	-7.6		400.5
	506				6	41	100	-4	+4.9		393.2
	507		112	1004	5	45	111	-5.6	-15.6		392.5
	508		67	305	5	45	67	-3.4	-6.5		401.6
	509		91	360	5	55	91	+4.6	+1.0		409.1
	510		113	606	5	55	112	+5.7	-1.4		407.7
	511		120	727	5	55	119	+6.0	-1.3		406.5

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Time	To	HT	Sea	RR.	H	V	H.O	Vs	D	Point	E
512			190	5501	5	54	189	7.6	-2.1	408.1	410.2
513			202	523	5	55	199	10	4.9		413.0
514			214	842	5	54	212	8.6	.2		408.3
515			229	854	0	52	229	4.6	-3.9		407.2
516			215	420	0	52	215	2.2	-2.0		406.0
517			202	210	0	52	202	3.0	1.9		406.2
518			172	618	0	52	172	3.4	-2.8		405.3
519			160	494	0	52	160	3.2	-3.4		404.7
520			172	111	5	56	171	10.3	4.2		417.3
521			152	1236	5	56	151	9.2	-1.3		406.8
522			148	8.7	1	60	148	14.9	6.1		402.0
523			142	600	1	62	142	15.6	7.6		398.6
524			95	797	5	55	95	4.7	-2.3		404.8
525			74	65	5	55	74	3.7	3.0		406.2
526	3.6		83	1.0	5	46	83	-3.3	4.3	408.2	403.9
527			59	8.0	5	76	59	2.4	-10.4		37397.8
528			118	2.9	0	49	118	1.2	4.1		404.1
529			135	2.4	0	49	135	1.4	3.8		404.3
530			172	2.7	0	50	172	0	-2.7		405.4
531			215	10.7	0	50	215	0	10.7		377.7
532			164	8.0	0	30	164	0	-8.0		400.2
533			136	9.0	0	50	136	0	-9.0		399.2
534			67	7.0	0	50	67	0	-7.0		399.2
535			73	1.3	0	50	43	0	-1.3		406.1
536			60	2.0	0	48	60	4.2	-3.2		405.0
537			70	4.5	5	53	70	2.3	-2.2		406.6
538			130	6.3	0	52	130	2.6	3.7		404.4
539			166	6.6	0	52	166	3.3	-3.3		404.8
540			149	2.4	5	54	148	3.9	11.5		404.6
541			88	4.0	0	50	80	0	4.0		412.2

421.6
422.6

From	To	H.I	Sta	RR	H	V	H.D	V.S	Diff	Point	Sum
475	542	3.6	55	4.3	0	51	55	-4.3	-8.6	428.2	399.6
	543		26	6.2	0	50	26	0	-6.2		402.0
	544		23	7.7	0	49	23	-2.3	-9.4		398.8
	545		187	6.0	I	58	180	14.6	+8.6		416.8
	546		182	2.6	I	58	180	14.6	+12.0		420.2
	547		170	2.0	I	58	174	14.1	+12.2		420.3
	548	Δ	149	3.5	0	50	149	0	-3.5		407.7
8	549	1.64	94	4.9		50			4.8	427.6	411.9
	550		110	6.4	0	50	110		6.4		418.3
	551		104	6.0		50	104		6.0		412.3
	552		105	6.0		50	105		6.0		418.3
	553		124	8.0		50	124		8.0		426.3
	554		125	8.0		50			8.0		414.3
	555		115	7.5		50			7.5		411.8
	556		112	6.5		50			6.5		405.3
	557		94	7.7		52	94	1.9	-15.8		409.5
	558		70	6.0		52	70	12.0	+0.0		403.5
	559		58	6.0		53	50	11.0	+5.0		408.5
	560		28	5.0		53	28	18.0	+10.0		418.5
	561		23	5.0		58			-5.0		413.5
	562		32	2.0		50			-2.0		410.2
	563		50	5.5		50			5.5		416.0
	564		80	11.5		50			6.5		422.5
	565		140	2.0		50			2.0		414.5
	566		164	3.0		51		11.6	-1.4		413.1
	567		189	5.0		52	189	3.9	-1.1		412.0
	568		213	4.5		52	213	4.3	0.2		416.2
	569		214	3.0		52	214	4.3	+1.7		420.9
	570		205	3.2		53	205	6.2	3.0		423.9
	571		187	2.0		53	187	5.6	2.6		426.5

4.4.7
 3.8

 408.5
 3.5

 412.0

From	To	WT	Spd	RA	W	V	HD	VS	Disc	Point	F
8	572	164	190	3.3			54	190	7.6	4.8	223.4
	573		200	3.8			54	199	8.0	6.2	
	574		204	3.3			55	203	10.2	1.9	
	575		210	3.3			55	209			
	576		215	3.0			55	214	+11.5	+8.51	131.0
	577		215	3.0			55	214	10.8	1.8	
	578		227	3.8			55	226	11.4	7.6	
	579		260	3.5			55	259	13.0	9.5	
	580		263	4.0			51	263	2.6	-1.4	
	581		236	4.0			51	236	2.4	-1.6	
	582		233	4.5			52	235	4.7	.2	
	583		215	5.7			52	215	4.3	-1.4	4
578	584	142	11.5				43	144	2.9	41.4	4
5	584	72	5.9		1		60	72	7.2	1.3	4
	585	60	4.6		4		69	58	11.6	7.0	104.7
	586	57	10.3		1		60	56	5.7	-4.6	4
	587	286	5.3		5		53	287	8.6	+3.5	
	588	170	5.4		5		53	169	5.1	3	
	589	140	4.0		1		60	139	1.40	10.0	
	590	160	10.4		1		60	159	16.0	5.6	
587	587	286	3.4		0		50	126		3.4	
	591	20	2.9		0		51	20	2	2.7	
	592	45	2.1		0		52	45	5	3.6	
	593	71	1.3		0		57	71	5.0	3.7	
	594	100	4.2		0.5		57	100	7.0	2.8	
	595	129	6.2		0.1		58	128	10.3	4.1	
	596	136	5.4		0.7		58	135	10.1	5.5	
	597	141	7.6		1		62	140	12.0	4.4	
	598	122	11.0		2		64	120	17.1	6.1	
	599	92	5.3		2		63	98	12.0	6.1	

From	To	HT	Sr	Nr	x	✓	x 0	15	25	F	E
										Point	SEA
597	600		72	37	5	72	66	15.1	11.7	4047	1164
	601		5.2	6.7	4	70	50	10.4	4.3		409.0
	602		2.6	3.2	5	71	25	5.5	2.7		4071
	603		6.6	9.4	5	72	62	13.9	4.5		409.2
	604		7.3	2.4	-5	47	23	2.2	4.6		400.1
	605		4.5	2.2	10	48	48	9.0	1.3		403.4