PV Shelf Cap Placement Operations Data

PV Shelf Pilot Capping Statistics

Cell	# of Disposals	Average Placement Duration	Average Dredge Speed	Avg Load (cubic meters)	Total Volume (cubic meters)
LU	71	4 min 39 sec	0.34 knots	983	69,814
SU	21	3 min 35 sec	0.38 knots	1086	22,813
LD	9	7 min 25 sec	2.1 knots	1147	10,324
LC	1				300
Total	102			Total	103,251

Sugar Island's Average Times

Area Dredged	Avg Pump	Avg Turn	Avg Sail*	Avg Dump	Average Total
	minutes	minutes	minutes	minutes	minutes
Queen's Gate with disposal at LU or SU	77.7	12.9	126.1	7.6	224.2
A-III with disposal at LD	27.3	0.6	121.3	9.4	158.7

PV Shelf Pilot Capping - Sugar Island Disposal Log

Date	Load #	Method	Volume	Pump	Turn	Sail*	Dump	Total
			Cubic meters	minutes	minutes	minutes	minutes	minutes
8/2/2000	1	Conventional Dump Cell LU	1,022	92	19	124	7	242
8/8/2000	2	Conventional Dump Cell SU	1,077	64	11	154	5	234
8/10/2000	**3**	**Test (A-III matl to West Anchorage)**	**1,575**	29	5	93	10	137
8/10/2000	**4**	**Test (A-III matl to West Anchorage)**	**1,119**	21	0	83	9	113
8/13/2000	5	Conventional Dump Cell LU	940	56	7	124	4	191
8/13/2000	6	Conventional Dump Cell LU	1,036	59	6	130	4	199
8/13/2000	7	Conventional Dump Cell LU	953	57	5	122	3	187
8/13/2000	8	Conventional Dump Cell LU	995	59	5	149	4	217
8/15/2000	**9**	**Spreading Load (A-III matl to cell LD)**	968	21	0	136	14	171
8/18/2000	10	Conventional Dump Cell SU	926	109	14	129	13	265
8/18/2000	11	Conventional Dump Cell SU	926	61	5	125	7	198
8/18/2000	12	Conventional Dump Cell SU	1,188	74	9	109	8	200
8/18/2000	13	Conventional Dump Cell SU	1,353	89	10	118	7	224
8/22/2000	14	Conventional Dump Cell LU	1,174	63	11	127	10	211
8/22/2000	15	Conventional Dump Cell LU	1,008	51	9	128	13	201
8/22/2000	16	Conventional Dump Cell LU	1,298	91	31	108	15	245
8/22/2000	17	Conventional Dump Cell LU	1,119	63	14	116	8	201
8/22/2000	18	Conventional Dump Cell LU	940	54	9	129	10	202
8/22/2000	19	Conventional Dump Cell LU	956	58	11	127	10	206
8/23/2000	20	Conventional Dump Cell LU	1,036	65	12	118	10	205
8/23/2000	21	Conventional Dump Cell LU	912	58	7	121	8	194
8/23/2000	22	Conventional Dump Cell LU	1,122	75	8	134	10	227
8/23/2000	23	Conventional Dump Cell LU	926	64	10	130	8	212
8/23/2000	24	Conventional Dump Cell LU	1,243	77	15	121	10	223
8/23/2000	25	Conventional Dump Cell LU	1,216	95	14	112	10	231
8/23/2000	26	Conventional Dump Cell LU	1,132	72	9	115	10	206
8/24/2000	27	Conventional Dump Cell LU	1,202	68	10	117	8	203
8/24/2000	28	Conventional Dump Cell LU	1,119	71	9	126	9	215
8/24/2000	29	Conventional Dump Cell LU	1,379	80	7	116	10	213
8/24/2000	30	Conventional Dump Cell LU	1,050	73	11	114	6	204
8/25/2000	31	Conventional Dump Cell LU	1,022	75	10	114	10	209
8/25/2000	32	Conventional Dump Cell LU	1,298	64	11	116	10	201
8/25/2000	33	Conventional Dump Cell LU	1,008	52	12	120	5	189
8/25/2000	34	Conventional Dump Cell SU	1,146	69	11	117	5	202
8/25/2000	35	Conventional Dump Cell SU	1,105	65	11	125	10	211
8/25/2000	36	Conventional Dump Cell SU	1,201	71	10	123	6	210
8/25/2000	37	Conventional Dump Cell SU	1,063	72	10	111	5	198
8/26/2000	38	Conventional Dump Cell SU	1,119	66	14	118	5	203
8/26/2000	39	Conventional Dump Cell SU	1,243	70	11	120	10	211
8/26/2000	40	Conventional Dump Cell SU	1,132	62	14	126	5	207

Date	Load #	Method	Volume	Pump	Turn	Sail*	Dump	Total
			Cubic meters	minutes	minutes	minutes	minutes	minutes
8/26/2000	41	Conventional Dump Cell SU	1,008	69	13	118	10	210
8/26/2000	42	Conventional Dump Cell SU	1,105	66	12	126	7	211
8/26/2000	43	Conventional Dump Cell SU	1,008	60	12	128	7	207
8/26/2000	44	Conventional Dump Cell SU	1,036	70	11	115	7	203
8/27/2000	45	Conventional Dump Cell SU	995	74	11	114	7	206
8/27/2000	46	Conventional Dump Cell SU	1,063	63	10	118	9	200
8/27/2000	47	Conventional Dump Cell SU	1,050	58	11	116	9	194
8/27/2000	48	Conventional Dump Cell SU	1,050	72	13	112	6	203
8/27/2000	49	Conventional Dump Cell SU	1,022	68	9	131	8	216
8/28/2000	**50**	**Spreading Load (A-III matl to cell LD)**	1,450	30	5	112	8	155
8/28/2000	**51**	**Spreading Load (A-III matl to cell LD)**	1,070	27	0	120	6	153
8/28/2000	**52**	**Spreading Load (A-III matl to cell LD)**	1,216	29	0	129	10	168
8/28/2000	**53**	**Spreading Load (A-III matl to cell LD)**	1,146	30	0	109	10	149
8/28/2000	**54**	**Spreading Load (A-III matl to cell LD)**	1,174	29	0	106	10	145
8/29/2000	**55**	**Spreading Load (A-III matl to cell LD)**	1,119	26	0	113	7	146
8/30/2000	**56**	**Spreading Load (A-III matl to cell LD)**	1,160	29	0	134	10	173
8/30/2000	**57**	**Spreading Load (A-III matl to cell LD)**	1,022	25	0	133	10	168
8/30/2000	58	Conventional Dump Cell LU	926	80	24	124	8	236
8/30/2000	59	Conventional Dump Cell LU	1,008	77	10	122	9	218
8/30/2000	60	Conventional Dump Cell LU	1,008	81	11	123	5	220
8/30/2000	61	Conventional Dump Cell LU	1,326	62	10	121	6	199
8/31/2000	62	Conventional Dump Cell LU	995	70	13	117	10	210
8/31/2000	63	Conventional Dump Cell LU	1,091	84	12	123	10	229
8/31/2000	64	Conventional Dump Cell LU	926	75	10	123	10	218
8/31/2000	65	Conventional Dump Cell LU	1,077	85	13	129	10	237
8/31/2000	66	Conventional Dump Cell LU	940	68	11	125	6	210
9/1/2000	67	Conventional Dump Cell LU	1,022	67	10	116	10	203
9/1/2000	68	Conventional Dump Cell LU	1,200	101	12	117	10	240
9/1/2000	69	Conventional Dump Cell LU	1,008	78	10	125	6	219
9/1/2000	70	Conventional Dump Cell LU	981	65	12	122	5	204
9/1/2000	71	Conventional Dump Cell LU	995	78	12	131	10	231
9/1/2000	72	Conventional Dump Cell LU	1,008	94	15	112	6	227
9/2/2000	73	Conventional Dump Cell LU	885	65	10	116	9	200
9/2/2000	74	Conventional Dump Cell LU	1,119	97	15	116	10	238
9/2/2000	75	Conventional Dump Cell LU	1,077	77	11	126	5	219
9/2/2000	76	Conventional Dump Cell LU	1,022	70	10	121	7	208
9/2/2000	77	Conventional Dump Cell LU	995	84	13	129	10	236
9/8/2000	78	**Direct Pump-Out Through DragHead - Cell LC**	300	71	10	165	26	272
9/10/2000	79	Conventional Dump Cell LU	650	65	16	150	4	235
9/10/2000	80	Conventional Dump Cell LU	692	76	15	115	6	212

Date	Load #	Method	Volume	Pump	Turn	Sail*	Dump	Total
			Cubic meters	minutes	Minutes	minutes	minutes	minutes
9/10/2000	81	Conventional Dump Cell LU	761	89	15	125	4	233
9/10/2000	82	Conventional Dump Cell LU	1,022	93	15	129	5	242
9/11/2000	83	Conventional Dump Cell LU	816	92	18	115	6	231
9/11/2000	84	Conventional Dump Cell LU	912	94	17	136	4	251
9/11/2000	85	Conventional Dump Cell LU	1,036	102	20	140	9	271
9/11/2000	86	Conventional Dump Cell LU	709	88	17	116	6	227
9/11/2000	87	Conventional Dump Cell LU	774	88	15	129	6	238
9/11/2000	88	Conventional Dump Cell LU	774	96	18	128	6	248
9/12/2000	89	Conventional Dump Cell LU	926	101	17	122	8	248
9/12/2000	90	Conventional Dump Cell LU	1,022	119	21	122	6	268
9/12/2000	91	Conventional Dump Cell LU	871	94	17	136	8	255
9/12/2000	92	Conventional Dump Cell LU	843	99	15	120	8	242
9/12/2000	93	Conventional Dump Cell LU	664	97	15	135	5	252
9/13/2000	94	Conventional Dump Cell LU	802	99	16	142	4	261
9/13/2000	95	Conventional Dump Cell LU	871	100	16	174	6	296
9/13/2000	96	Conventional Dump Cell LU	953	107	13	145	5	270
9/13/2000	97	Conventional Dump Cell LU	885	94	22	122	5	243
9/13/2000	98	Conventional Dump Cell LU	981	97	16	157	7	277
9/13/2000	99	Conventional Dump Cell LU	788	102	19	148	5	274
9/14/2000	100	Conventional Dump Cell LU	788	93	17	126	6	242
9/14/2000	101	Conventional Dump Cell LU	940	95	18	153	5	271
9/14/2000	102	Conventional Dump Cell LU	898	77	20	139	6	242
9/14/2000	103	Conventional Dump Cell LU	898	86	16	141	5	248
9/14/2000	104	Conventional Dump Cell LU	816	91	16	145	5	257
		Total	105,945	cubic meters**				

*** Sail = Total sailing time to and from the PV Shelf**

**** Of the 105,945 cubic meters hauled by the Sugar Island, 103,251 cubic meters were placed at the PV Shelf.**

Placement Data by Cells

Load Number	Cell	Placement Duration Minutes	Seconds	Dredge Speed (Knots)	Dredge Heading (degrees)	Load Volume (cubic meters)
1	LU	3	1	0.18	121	1022
5	LU	3	11	0.49	344	940
6	LU	2	17	0.35	301	1037
7	LU	2	43	0.27	292	953
8	LU	2	7	0.25	287	995
14	LU	3	27	0.12	305	1174
15	LU	5	25	0.17	300	1008
16	LU	5	5	0.37	290	1223
17	LU	3	52	0.52	255	1119
18	LU	7	21	0.30	241	940
19	LU	4	9	0.23	295	956
20	LU	4	0	0.39	290	1036
21	LU	9	5	0.39	285	926
22	LU	6	7	0.45	105	1119
23	LU	4	38	0.52	290	926
24	LU	8	40	0.14	305	1243
25	LU	3	30	0.30	295	1216
26	LU	3	19	0.15	300	1132
27	LU	5	14	0.03	295	1202
28	LU	10	58	0.39	280	1119
29	LU	4	22	0.50	290	1379
30	LU	4	10	0.79	328	1050
31	LU	3	45	0.16	290	1022
32	LU	2	55	0.44	300	1298
33	LU	5	22	0.80	237	1004
58	LU	6	24	0.17	313	926
59	LU	4	9	0.42	290	1008
60	LU	5	47	0.33	300	1008
61	LU	4	25	0.06	327	1326
62	LU	7	5	0.44	300	995
63	LU	5	34	0.13	285	1091
64	LU	5	36	1.00	290	940
65	LU	9	51	1.03	300	1077
66	LU	5	24	0.13	303	940
67	LU	6	33	0.52	285	995
68	LU	4	36	0.44	300	1200
69	LU	5	49	0.28	309	1008
70	LU	6	25	0.96	300	981
71	LU	6	50	0.81	280	995
72	LU	4	40	0.14	300	1008

Load Number	Cell	Placement Duration Minutes	Seconds	Dredge Speed (Knots)	Dredge Heading (degrees)	Volume (cubic meters)
73	LU	4	11	0.16	300	895
74	LU	5	17	0.44	300	1119
75	LU	8	54	0.71	285	1077
76	LU	7	26	0.30	329	1022
77	LU	4	33	0.47	300	995
79	LU	0	27	0.39	328	650
80	LU	2	34	0.17	310	692
81	LU	2	49	0.48	307	761
82	LU	3	42	0.10	301	1022
83	LU	4	17	0.06	307	816
84	LU	3	43	0.44	293	912
85	LU	6	56	0.33	301	1036
86	LU	1	13	0.24	10	709
87	LU	4	53	0.18	321	774
88	LU	5	19	0.25	335	774
89	LU	4	12	0.10	289	926
90	LU	4	0	0.21	135	1022
91	LU	5	5	0.34	123	871
92	LU	4	49	0.08	260	843
93	LU	3	34	0.12	337	664
94	LU	2	37	0.15	83	802
95	LU	4	8	0.06	120	871
96	LU	4	9	0.28	112	953
97	LU	4	49	0.33	300	885
98	LU	3	58	0.10	310	981
99	LU	2	52	0.54	167	788
100	LU	1	57	0.11	295	788
101	LU	2	36	0.46	11	940
102	LU	1	45	0.34	140	898
103	LU	2	30	0.07	300	898
104	LU	2	30	0.41	307	892
					Cell LU Total	69,814

Load Number	Cell	Placement Duration Minutes	Seconds	Dredge Speed (Knots)	Dredge Heading (degrees)	Load Volume (cubic meters)
2	SU	3	10	0.34	302	1077
10	SU	5	17	0.35	120	926
11	SU	6	28	0.69	320	926
12	SU	4	16	0.07	320	1188
13	SU	4	39	0.71	300	1353
34	SU	1	5	0.54	315	1146
35	SU	1	19	1.05	290	1105
36	SU	2	49	0.13	310	1201
37	SU	2	3	0.16	305	1063
38	SU	3	29	0.17	320	1119
39	SU	3	20	0.50	290	1239
40	SU	2	43	0.65	295	1132
41	SU	2	48	0.25	320	1008
42	SU	2	22	0.56	290	1105
43	SU	4	3	0.14	300	1008
44	SU	3	23	0.06	300	1036
45	SU	3	55	0.14	318	995
46	SU	4	36	0.46	300	1063
47	SU	3	19	0.37	310	1050
48	SU	4	4	0.26	311	1050
49	SU	6	15	0.29	150	1022
					Cell SU Total	22,813

Load Number	Cell	Placement Duration Minutes	Seconds	Dredge Speed (Knots)	Dredge Heading (degrees)	Load Volume (cubic meters)
9	LD	10	7	1.95	313	967
50	LD	5	56	2.45	320	1,450
51	LD	4	45	2.43	301	1,070
52	LD	7	19	2.47	314	1,216
53	LD	8	18	2.08	295	1,146
54	LD	8	17	2.04	326	1,174
55	LD	5	46	2.30	281	1,119
56	LD	7	49	2.11	337	1,160
57	LD	8	29	1.06	312	1,022
					Cell LD Total	10,324
78	LC	21	23	2.26	305	300