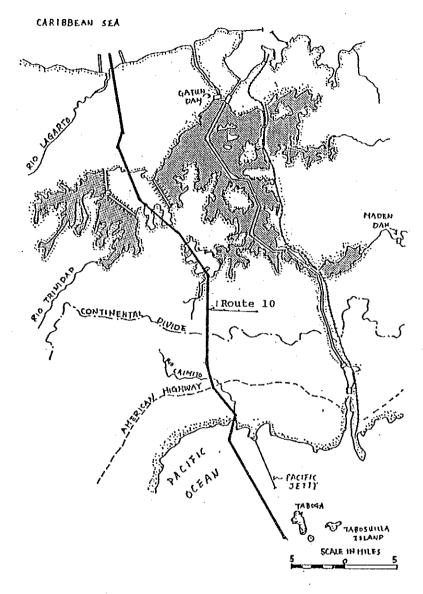
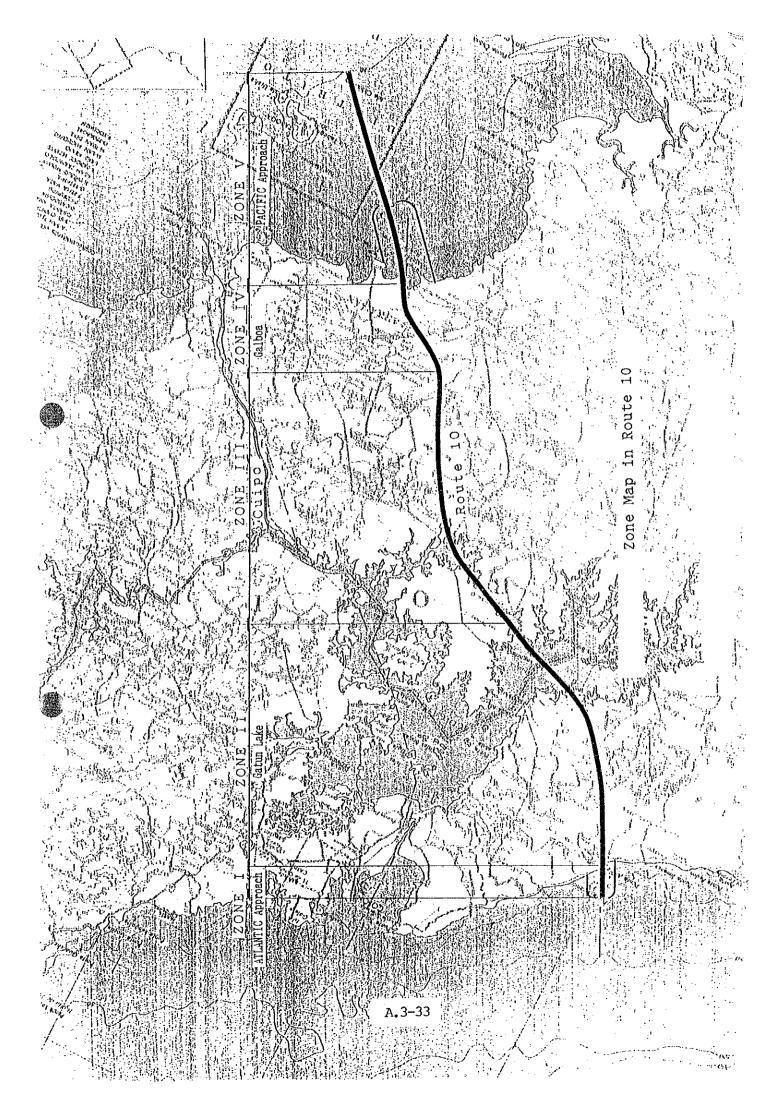
_			1,-1			Lacton	11101.0			0.44.0									
	ation No.	Dis (e)	10	Yo]	<u>Hard Ro</u> let Al	ek Wet VI	Dry V2	Ã0	Vo	Soft B	Tet VI	Dry V2	.ko	Yo	Earth Met Ai	Tel VI	Dry V2	Mad Ao	Vo
		8, 500	0	9, 222, 500	Ó	9, 222, 500		0	10, 710, 000		10, 710, 000		. 0	4, 080, 000	0	4, 080, 000	0	000	4, 080, 000 3, 920, 000
-		4,000 0	2, 170 3, 840	11, 620, 000	2, 170 3, 840	11, 620, 000 0		3,000	11,040,000	3,000	11,040,000	0	960 1,000	3, 920, 000 B	960	3, 920, 000		960 1,000	3, 320, 000
18	1.00 ha. 1		3, 940	20, 842, 500		20, 842, 500	Ŏ	0,000	21, 750, 000	213.22	21, 750, 000	0	.,,,,,,,,	8,000,000		8,000,000	0		8, 000, 000
																		·	
-	1.00	50	3, 640	292,000	3, 640	114, 750	177, 250	3,000	150,000	380	22, 500	127, 500	2,000	100,000	0	0	100,000	0	0
\vdash	1.05	1, 150	8, 040	9, 246, 000	950	1, 092, 500	8, 153, 500	3,000	3, 450, 000	520	598,000	2,852,000	2,000	2, 300, 000	. 0	0	2, 300, 000	0	0
	2. 20	10	8,040	80, 400	950	9, 500	70, 900	3,000 3,000	30,000 570,000	520 520	5, 200 98, 800	24, 800 471, 200	2,000 3,000	25, 000 570, 000	0	0 0	25,000 570,000	0	0
-	2, 21	190 10	8,040 8,040	1, 527, 600 80, 400	950 950	180, 500 9, 500	1, 347, 100 70, 900	3,000	31, 650	520	5, 200	26, 450		25,000	Ö	Ö	25,000	<u>*</u>	0
ŀ	2, 41	590	8, 040	4, 743, 600	950	560, 500	4, 183, 100	3, 330	1, 954, 700	520	306,800	1, 657, 900	2,000	1, 180, 000	0	0	1, 180, 060	0	0
	3, 00	2,000	8,840	16, 160, 000	959	1, \$00,000	14, 260, 000		31, 680, 000	520 520	760,000	30, 640, 800 6, 957, 500	2,000	4,000,000 712,500	720	720,000 392,500	3, 280, 000 320, 000	730	730,000 397,500
}-	5.00 5.50	500 500	8, 120 4, 900	3, 255, 000 2, 630, 000	950 4, 960	1, 462, 500 2, 639, 000	1, 792, 500 0		7, 717, 500 1, 262, 500			0,377,300	850	425, 000	850	425, 000	0	850	430,000
┢	6.00	1,000	5, 520		5, 620	4, 745, 000	Ŏ	2,530	2, 520, 000	2,530	2, 520, 000	0	850	845,000	850	845, 000	Q.	860	855,000
	7, 00	1,000	3, 870	5, 780, 000		5, 780, 000	0		2, \$45, 000 2, 490, 000		2, 515, 000 2, 190, 000	0	890	865, 000 870, 000	840 890	865,000 870,000	0	85 <u>0</u> 900	875, 000 880, 000
-	9,00	1,000	7, 690 4, 530	6, 110, 000 6, 115, 000		6, 110, 000 6, 115, 000	0		2, 490, 000			Ŏ	850	875,000		875, 000	Ö	850	885, 000
ŀ	10.00	1,000	7, 700	6, 440, 000	7, 700	6, 440, 000	0	2, 580	2, 565, DOO	2,580	2, 565, 000	0	900	880,000	\$00	880,000	0.0	\$10	890,000
Ţ	11.00	1,000	5, 180	6, 025, 000		6, 025, 000	0	2,550 2,570	2, 560, 000 2, 575, 000		2,560,000 2,575,000	0	850 038	860, 000 860, 000	860 860	860,000 860,000		870 870	870, 000 870, 000
-	12,00	1,000 500	5, 870 5, 910	8, 390, 000 3, 495, 000	5, 910	6, 390, 000 3, 495, 000		2, 580			1, 325, 000	Ö	638	445,000	860	445, 000	0	870	450,000
t	13.50	\$00	8,070	3, 900, 000	8,070	3, 900, 000		2, 720	1, 330, 000			0	928	447, 500	920	447, 500	0	930 880	452, 500 880, 000
	14.00	1,000	7,530	7, 225, 000 12, 750, 000		7, 225, 000 3, 460, 000	9, 290, 600	2,600	2, 590, 000 2, 760, 000			1, 470, 000	87 <u>0</u> 870	870, 000 1, 435, 000	870 870	870, 000 435, 000	1,000,000	880	410,000
<u>}</u>	15.00 16.00	1,000	6, 920 18, 580	19, 535, 000	0, 320	4, 360, 000			2, 460, 000	0	210,000	2, 250, 000	2,000	1, 555, 000	0	60,000	1, 495, 000	0	0
1	17.00	1,000	20, 490	15, 220, 000	8, 720	9, 335, 000	5, 885, 000	1, 980	2, 280, 000	420		780,000	1, 110	\$90,000 865,000	120 870	495, 000 855, 000	495,000	900	450,000 885,000
F	18.00	1,000	9, 950	8, 310, 000 12, 075, 000	9, 950 6, 870	8, 310, 000 7, 685, 000	4, 320, 000	2, 580 2, 560	2, 570, 000			650, 000	870 860	895,000	860	430, 000	465,000	870	435,000
ŀ	19.00 20.00	1,000	8, 670 17, 480		8, 700	8, 650, 000	4, 390, 000	1.720	2, 150, 000	420	1, 500, 000	650,000	930	910,000	0	445, 000	465, 000	0	459, 090
ţ	21.00	1,000	8, 500	7, 865, 000	8, 600	7, 865, 000	0	2, 580	2,575,000			0	890	875,000	890 880	875, 000 895, 000	0	900 870	885,000 205,000
F	22.00	1,000	7, 130 10, 520	8, 825, 000 10, 855, 000		8, 825, 000 10, 855, 000	0	2, 570 2, 670	2, 620, 000			0	930	895, 000 930, 000	930	930, 000	ŏ	\$10	940,000
H	23.00 24.00	1,000	11, 190	12, 825, 000	11, 190	9, 945, 000	2, 880, 000	2, 730	2, 220, 000	2,730	1, 530, 000	\$30,000	930	950,000	930	520,000	430,000	940	470,000
į	25.00	1,000	14,460	15, 870, 000	8,700	8, 530, 000	7, 340, 000	1,710	1,755,000	450 230	340,000	1, 415, 000	970 1,046	1,005,000	110	55, 000 0	950, 000 0	0	0
ŀ	26.00	1,000	17, 280 17, 480	18, 770, 000	8, 350 8, 540	4, 270, 000	14, 500, 000	1, 800 1, 870	2, 455, 000	230	115,000	2, 350, 000	1, 140	1, 610, 000	0	Û	1, 610, 000	0	0
-	27.00	1,000	20,050	23, 635, 600	0	0	23, 635, 000	3,060	3, 195, 000	0	. 0	3, 195, 000	2,080	2, 210, 000	0	Ō	2, 210, 000	- 0	0
Į	28.00	1,000	27, 210	25, 830, 000	0 4.010	2,005,000 7,130,000		3, 330 2, 930		130	65,000 1,520,000	3, 065, 000 1, 400, 000	2, 340 1, 800		0	490,000	2, 070, 000 900, 000		500,000
1	29.00 30.00	1,000 1,000	26, 450 10, 250	18, 350, 000 14, 285, 000		9, 095, 000	5, 190, 000		2, 370, 000	2, 910	1,500,000	870,000	980	1,650,000	980	490, 000	560,000	1.000	500,000
Ť	31.00	1,000	18, 320	13, 130, 000	7, 940	7, 340, 000	5, 190, 000	1, 830	2, 235, 600	90		870,000	1, 120		900	450, 000 450, 000	560,000 270,000	310	455, 000 455, 000
F	32,00	1,000	7, 940	10, 855, 000 18, 475, 000		8, 615, 000 4, 645, 000	2, 240, 000 13, 830, 000		1, 845, 000 2, 100, 000	2,640		510,000 2,085,000	900 540	720,000 1,345,000	300	430, 000	1, 340, 000	310	433,000
ŀ	33.00	1,000	13, 770 23, 180	38, 000, 000	3, 230	1, 019, 000	18,000,000	3, 150	3, 405, 000	0	0	3, 405, 000	2, 140	2, 335, 000	0	0	2, 335, 000	0	Ö
İ	35.00	1,000	52, 820	40, 480, 000	0	0	49, 489, 000		3, 660, 000	0		3, 660, 000 2, 685, 000	2, 530	2,550,000 3,945,000	0	50,000	2, \$50, 000 1, 895, 000	0	<u>0</u>
1	36,00 37,00		28, 100 17, 780	22, 940, 000	5, 8 50	2, 925, 000 0		2, 070	2, 865, 000 D	350	180,000	2,003,000	2, 570 1, 320	<u>), 543, 000</u>	190	0	0	Ů	Ď
ŀ	Strat. 2		17, 100	477, 140, 000		198, 829, 750	278, 510, 250		126, 266, 350		51, 569, 000	74, 597, 350		46, 690, 000		17, 290, 000	29, 400, 000	D	17, 235, 000
[·			ļ		*				 				 -			 -	
ŀ	37, 00	1,000	17, 780	16, 975, 000	5, 850	4, 175, 000	12, 800, 000	2,070	2, 320, 000	360	235,000	2, 085, 000	1, 320	1,500,000	100	50,000	1, 450, 000	0	0
ŀ	38.00	1,000	15, 170	17, 245, 000	2, 500	2, 600, 000	14, 645, 000	2,570	2, 585, 000	110							1, 665, 000	0	0
	39.00	1,000	18, 320	24, 165, 000 28, 115, 000		2,600,000 2,500,000	21, 585, 000 25, 615, 000	2,800	2, 665, 000 2, 690, 000	170		2,580,000 2,590,000	1, 690 2, 180		40		1, 895, 000 1, 915, 600		
ŀ	49.00	1,000	30, 010 26, 220	25, 745, 000		2,550,000	24, 195, 000	2,650	2, 705, 000	ő	ŏ	2,705,000		2, 020, 000	0	0	2, 020, 000	0	0
t	42.00	1,000	27, 270	29, 845, 000	2, 600	2, 750, 000	27, 095, 000		2, 765, 000	0		2, 765, 000	1, 880	1, 870, 000	0		1,870,000		0
	43.00	1,000	32, 420 22, 580	27, 500, 000 27, 410, 000		3, 370, 000 4, 220, 000	24, 130, 000 23, 190, 000			190		2, 575, 000 2, 170, 000	1,840 1,690				1,700,000		0
S	44.00 45.00	1,000 1,000	32, 240			3, 800, 000	31, 620, 000	3, 340	3, 035, 000	180	90,000	2, 945, 000	2, 200	1, 945, 000	60	30,000	1, 915, 000	0	0
	46.00	0	38, 500	0	3,000	9	000,000	2,730	2, 880, 000	0	0			1, 880, 000				0	0
ŀ	46.00 47.00		37, 280 41, 640		2, 400	2, 700, 000		3,030	2,000,000			2,000,000	2, 080	1,650,000	_	0		Ö	Ö
ŀ	Sun 3	10,000	11,039	272, 580, 000	2, 100	31, 265, 000	241, 315, 000		27, 270, 000		830, 000	26, 440, 000		18, 395, 000		260,000	18, 135, 000	0	0
ı					1—			ļ- ·	 	 		 	 	ļ	 	 	 	\vdash	
- }	47, 00	4. DOM	19, 770	70, 640, 000	2, 400	4, 800, 000			12, 240, 000	0		12, 240, 000		3,000,000					0
ł	48.00	0	15, 250	0	0	0	. 0	3,090	0				2,140	2 120 BCO	0			0	0
Į	48.00		15, 130	18, 775, 000 23, 695, 000	0		18, 775, 000 23, 695, 000					3, 120, 000 3, 185, 000							0
ł	49, 00 50, 00	1,000 1,000		23, 570, 000	. 0	1, 230, 000	22, 340, 000	3, 190	2,875,000	0	50,000	2, 825, 000	2,200	2,000,000	0	65,000	1, 935, 000	0	Õ
Į	51.00	2,000	22, 179	44, 340, 000	2,460		39, 420, 000	2,550				4, 920, DGO		3, 600, 000		260,060 0	3, 340, 000 0		0
	53.00 56.00	0	22, 170 16, 170		7, 210	0		2,560	0										0
ŀ	Sea. 4	9,000	10, 110	180, 420, 000		10, 950, 000	189, 470, 000		26, 540, 000			26, 290, 000		18, 910, 000			18, 585, 000		0
ļ				<u> </u>	1—	ļ	 	 -	<u> </u>				ļ		 	-	1	·	
	\$8, GO	4,000	16, 170	64, 680, 000	7, 210	28, 849, 000	35, 840, 000	2, 220	8, 880, 000	420		7, 200, 000					5, 000, 000		0
	\$0.00	1,000	16, 170	17, 990, 000	7, 210	4, 425, 000	13, 555, 000	2, 220	2, 655, 000	420	210,000	2,445,000	1, 310	1, 725, 000			1, 695, 000 1, 740, 000		0
Į	61.00	1,000					11,695,000	2 870	2, 980, 000 4, 570, 000	950		2,505,000 3,600,000	1, 120	1, 780, 000			12, 360, 000		0
ı	62,00 64,00	2,000 3,000	8, 030 8, 910	16, 845, 000	3,530	8, 775, 000	8, 070, 000	1,700	6, 465, 200	20	3, 945, 000	2, 520, 000	11,020	17, 895, 000	0	1, 365, 000	16, 530, 000	0	1, 395, 000
ĺ	67.00	2,000	2, 320	4, 640, 000	2, 320	4, 640, 000	0	2, 610	5, 220, 000	2,610				1, 820, 000 4, 049, 500					1, 860, 000 4, 138, 500
·	69.00	8, 900 0	2, 320			10, 324, 000	0	2,610			11, 614, 500 0					0	0	0	0
	77, 90 Sum 5	21, 900	"	145, 339, 000		65, 569, 000	79, 770, 000		42, 384, 500			18, 270, 000		44, 949, 500	-	7, 624, 500	37, 325, 000	0	7, 393, 500
ļ	100							ļ	<u> </u>	1		 		—	-	 	1	┼	
l	i18		 	ļ			 	 		1			<u> </u>		1				<u> </u>
-											81 Arc 40			6 000 000	_	B 000 000	ļ		0.000.000
- 1	Squ. 1	12,500		20, 842, 500		20, 842, 500 198, 629, 750	278, 510, 250		21,750,000 126,266,350		21, 750, 000 51, 569, 000	74, 697, 350		8, 000, 000 45, 590, 000		8,000,000 17,290,000	29, 400, 000		8, 000, 000 17, 235, 000
ļ	Sun 7	35,000 10,000		477, 140, 000 272, 580, 000		31, 255, 000	241, 315, 000		27, 270, 000	}	830,000	26, 440, 000		18, 395, 000		250, 060	18, 135, 000)	0
ļ	Sus. 4	9,000		180, 420, 000	L	10, 950, 000			26, 540, 000			26, 290, 060 18, 270, 000		18, 910, 000 44, 949, 500			18, 585, 000 37, 325, 000		7, 393, 500
i		21, 900 89, 400		145, 339, 000		65, 569, 000 027, 256, 250	79, 770, 000		42, 384, 500 244, 210, 850	í 		145, 697, 350		136, 944, 500			303, 445, 000		32, 628, 500
	10/4	93, 10V		A1 000 401 AND															

Fotal Excavation Vol. 1, 510, 105, 350 Dry 1, 018, 207, 690 Wet 491, 897, 750



Study	Route	W. Level	No. of	No. of	Ship Size	Canal Size
Case			Lifts	Lanes	(1000 DWT)	(m)
S-1	10	O	-	1	150	147×20.9
2	10	0	_	2	150	343×20.9
3	10	0		1	250	171×24.2
4	10	0		2	250	399×24.2
5	10	0	-	1	300	183×25.3
6	10	0		2	300	424×25.3
13	10	0	_	50%-1	150	147×20.9
				50%-2		343×20.9
14	10	0	_	50%-1	250	171×24.2
				50%-2		399×24.2
15	10	0		50%-1	300	183×25.3
				50%-2	•	424×25.3
					·	

Layout of Sea Level Canal for Group C Study Cases (Route 10)



1,00 1,000 1,000 1,000 5,125,000 0 0 0 5,125,000 1,500 1,500 0,500 0 0 0 1,500,000 1,000 1,000 0 0 0 0 0 0 0 0 0 0 0	0 480,000 0 0	0	Yo 425, 000 170, 000
-7. 50	0 480,000 0 0 0 480,000 0 980,000	340 0	
1.00	0 0 0 480,000 0 980,000	0	110,000
Sim 1 3,500 3,810,000 0 1,487,500 2,322,500 2,410,000 1,750,000 720,000 1,075,000 595,000	0 980,000	<u>-</u>	·
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			595. D <u>0</u> 0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			
\$\begin{array}{c c c c c c c c c c c c c c c c c c c			-
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 1, 200, 000	0	0
6.00 1,000 16,400 14,795,000 0 0 14,795,000 0 0 14,795,000 0 0 2,160,000 0 0 0 2,160,000 1,440 1,440,000 0 0 7,00 1,000 13,150 8,000,000 0 0 8,000,000 2,160 1,770,000 0 0 0 1,770,000 1,440 1,180,000 0 0 8,000,000 2,160 1,770,000 1,440 1,180,000 0 0 8,000,000 1,380 1,400,000 0 0 0 1,770,000 1,440 1,180,000 0 0 8,000,000 1,380 1,400,000 0 0 0 1,470,000 920 \$80,000 0 0 1,470,000 0 0 0 1,470,000 920 \$80,000 0 0 1,470,000 0 0 0 1,4	0 1,520,000 0 1,560,000		0
8.00 1.000 2.810 3.370,000 0 0 3.370,000 1.380 1.470,000 0 0 1.470,000 920 \$80,600 0 9.00 1.000 0 1.500,000 0 0 1.500,000 0 0 1.500,000 0 0 1.500,000 0 0 1.500,000 0 0 1.500,000 0 0 1.500,000 0 0 1.500,000 0 0 1.500,000 0 0 1.500,000 0 0 1.500,000 0 0 0 1.500,000 0 0 0 1.500,000 0 0 0 1.500,000 0 0 0 0 0 0 0 0	0 1,440,000	0	0
9.00 1.000 3.930 3.685.000 0 0 3.685.000 1,560 1,500.000 0 0 1,500.000 0 0 1,500.000 0 0 1,000 0 0 1,000 0 0 1,000 0 0 1,000 0 0 1,000 0 0 0	0 1.180,000 0 980,000	0	0
	0 1,000,000 0 1,060,000	0	0
11.00 1.000 5.800 4.655,000 0 0 4.655,000 0 0 4.655,000 0 0 0 1.550,000 1.160 1.040,000 0	0 1,040,000		0
12 00 1,000 3,510 1,755,000 0 0 1,755,000 1,380 5,035,000 0 0 5,035,000 90 0 5,035,000 0 0	0 960,000 0 1,060,000		0
14 00 1 000 8 450 8 050 000 0 0 8 050 000 1,680 1,650,000 0 0 1,650,000 1,120 1,120 1,120,000 0	0 1, 100, 000	0	0
15.00 1,000 7,650 3,825,000 0 0 3,825,000 1,620 4,300,000 0 0 4,300,000 0	0 1, 910, 000 0 2, 850, 000		0
17.00 1.000 0 0 0 0 0 8.220 6.730,000 0 0 6.730,000 2.900 2.750,000 0	0 2, 750, 000	0	0
18.00 1.000 0 0 0 0 0 0 0 0 0	0 2,500,000 0 2,300,000	0	0
20.00 1,000 0 0 0 0 0 0 3,480 3,525,000 0 0 3,525,000 0 0 2,200,000 0	0 2, 200, 000	Ú	0
21.00 1.000 0 0 0 0 0 0 3,370 3015,000 0 0 5,105,000 2,200 2,225,000 0 0 27,001 1000 0 0 0 0 4,710 5,510,000 0 0 0 5,510,000 2,200 2,225,000 0	0 2, 200, 000 0 2, 325, 000	0	0
23.00 1,000 0 0 0 0 0 0 5,310 5,255,000 0 0 5,255,000 0 0 2,450 2,450,000 0	0 2,450,000 0 2,450,000		- <u>0</u>
25.00 1.000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2, 300, 000	0	Ď
25.00 1,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2, 225, 000		0
27.00	0 44,590,000		ō
27.00 1,000 0 0 0 0 0 0 6,621 7,510,000 0 0 7,510,000 2,300 2,350,000 0	0 2, 350, 000		0
28.00 1,000 0 0 0 0 0 0 8,400 8,570,000 0 0 8,570,000 0 0 2,400 2,450,000 0 0 22,60 1,000 0 0 0 8,743 8,380,000 0 0 8,380,000 2,500 2,500,000 0	0 2,450,000 0 2,500,000		0
30.00 1.000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2, 450, 000		0
31.00 1.000 0 0 0 0 0 0 0 0 0 0 5,595,000 0 0 5,595,000 0 0 3,700 0 0 3,700 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2,375,000 0 2,375,000	6 - 6	0
33.69 1.000 0 0 0 0 0 6.610 5.955,000 0 0 5.955,000 2.400 2.350,000 0	0 2,350,000 0 2,325,000		0
35 00 1 000 0 0 0 0 0 5 250 6 430,000 0 0 5 630,000 2,350 2,375,000 0	0 2, 375, 000	0	0
36.00 1,000 0 0 0 0 7,600 5,915,600 0 0 5,915,000 2,400 3,155,000 0	9 3, 155, 000 0 4, 080, 000		0
38.00 1.000 0 0 0 0 0 6,870 6,880,000 0 0 6,880,000 4,250 4,930,000 0	0 4, 930, 000	0 . 0	ŏ
39.60 1.000 0 0 0 0 0 0 0 0 0 2.280,000 5.810 3.995.000 0	0 3, 995, 000 0 2, 450, 000		
41.00 1,000 0 3,185,000 0 0 3,185,000 12,070 11,080,000 0 0 11,080,000 2,520 2,135,000 0	0 2, 135, 600) 0	0
42.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2,030,000	0 0	
43.00 0 5.450 0 0 0 0 0 0 0 0 0 0 0 0	0 (0 0	
43.00 1.000 5,450 2,725,600 0 0 2,725,000 9,170 8,955,000 0 0 8,95,000 2,310 2,955,000 0 44.00 1,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2,955,000		
45.60 1,000 0 0 0 0 0 0 20,300 14,550,000 0 0 14,550,000 13,175,000 D	0 13, 175, 000 0 11, 265, 000		
47.00 1,000 55,930 52,115,000 0 0 52,715,000 0 0 31,020,000 0 0 31,020,000 0	0 1, 990, 000	0	0
48.00 1.000 49.500 44.430.000 0 0 44.430.000 0 0 0 0 0 0 0 0	0 5, 145, 000 0 4, 910, 000		0
50.00 0 16.510 0 0 0 0 0 23.190 0 0 0 0 5.390 0 0	0 (0 0	
50,00 1,600 15,540 15,000,000 0 0 15,000,000 10,203 16,550,000 0 0 15,550,000 2,380 2,380,000 0 0 51,000 15,450 5,750,000 5 0 6,730,000 20,770 15,485,000 0 0 15,485,000 2,380 4,930,000 0	0 2, 380, 000		
52.00 1,000 0 0 0 0 0 29,840 25,305,000 0 0 25,305,000 7,600 5,600,000 0	0 5, 600, 000	0 0	1
53,00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 201, 010, 00	3	0
		-	-
53.00 1,000 0 0 0 0 0 0 10,780 10,385,000 0 0 10,385,600 3,500 0	0 3,550,000	0 0	
53.00 1.000 0 0 0 0 10,789 10,385,000 0 0 10,385,000 0 54.00 1,500 3,500 3,500 3,500 0 55.00 1,000 0 0 0 0 0 0 0 0 0	0 3,025,000	<u> </u>	
56.00 1,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 3, 250, 000	O O	Q
57,00 1,000 0	0 3,450,000	9 . 0	
30,000	0 16, 250, 000		0
58.00 3.000 0 0 0 0 0 8.850 15.620,000 0 3.345,000 13.275,000 3.800 8.240,000 0 540,100 0 540,100 0 0 3.850 11.295,000 0 3.850 3.015,000 3.80 3.015,000 3.60 3.015,000			
70.60 13,700 0 0 0 0 0 0 280 1,918,000 280 1,918,000 0 310 2,123,500 310 2,123,500	00 1	0 310	2, 123, 500
83.70 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 5,700,00	0 0	5, 678, 500
	9, 100, 00		1
S-1		-	
Sua 1 3,500 3,810,000 1,487,500 2,322,500 2,470,000 1,750,000 720,600 1,075,000 595,4			595,000
Sur 2 26,000 117,947,500 0 17,947,500 92,965,000 0 92,965,000 44,590,000 Sur 3 26,000 186,610,000 0 86,610,000 283,470,000 6 283,470,000 01,010,000	0 44,590,00 0 801,010,00	<u>v</u>	0
Sue 4 5,000 0 0 0 40,645,600 0 40,645,000 16,250,000	0 16, 250, 00	Ö	0
Sym. 5 25,700 0 0 0 29,833,000 16,558,000 17,275,000 11,378,500 5,678,1 Total 85,200 308,367,500 1,487,500,005,820,600 449,383,000 18,308,000,431,075,000 174,303,500 6,273,1	00 5,700,00 00 168,030,0 0		5, 678, 500 6, 273, 500

Total Excavation Vol. 938, 327, 500 DRY 905, 985, 000

8-2		ب	-2	- Ci	LCULU	CLOII .						.,_						
No2,50 0,00 1,00 Sum. 1	Dis (a) 2,500 1,000 0 3,500	Ao 0 1,900 10,450	Yo 2, 375, 000 6, 175, 000 0 8, 550, 000	#ct A1 0 1,900	Hard Rock Wet VI 2, 375, 000 950, 000 0 3, 325, 000	D _F y V2 0 5, 225,000 0 5, 225,000	Ao 0 2, 180 2, 640	Yo 2, 100, 000 2, 460, 000 0 5, 100, 000	Soft Ro fet A1 0 2, 160 0	ck Wet Yl 2,700,000 1,080,000 0 3,780,000	Dry V2 0 1, 320, 000 0 1, 320, 000	% 0 750 1,760		arth 0 750 0	Wet Y1 937,500 375,000 0 1,312,500	0 820,000 0 880,000	Nad Ao 0 750 0	Yo 937, 500 375, 600 0 1, 312, 500
1.00 2.00 3.00 4.00 5.00 5.00 7.00 8.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00 17.00 18.00 17.00 18.00 17.00 18.00 17.00 18.00 17.00 18.00 17.00 18.00 17.00 18.00 17.00 18.00 17.00 18	1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000	10, 450 14, 100 13, 740 22, 410 44, 410 30, 980 26, 100 6, 360 11, 350 10, 150 11, 350 10, 150 11, 350 11, 350 11, 350 11, 350 11, 350 11, 350 11, 350 11, 350 11, 350 10, 150 11, 350 11, 350 10,	12, 275, 000 13, 370, 000 18, 075, 000 30, 410, 000 37, 700, 000 28, 545, 600 16, 230, 000 17, 750, 000 12, 890, 000 17, 750, 000 18, 855, 000 19, 750, 000 11, 715, 000 11, 715, 000 10, 750, 000 11, 715, 000 10, 750, 000 10, 750, 000 10, 750, 000 10, 750, 000 10, 750, 000 10, 750, 000 10, 750, 000 10,	0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	13, 920, 000 18, 075, 000 18, 075, 000 33, 410, 000 37, 700, 000 28, 545, 000 16, 230, 000 16, 250, 000 12, 890, 000 11, 715, 000 12, 890, 000 14, 415, 000 16, 340, 000 7, 890, 000 0	2, 880 2, 940 3, 780 3, 120 2, 580 2, 760 3, 060 3, 120 2, 580 2, 880 2, 880 2, 880 2, 880 17, 110 18, 230 12, 580 13, 100 14, 520 15, 970 16,	2, 570, 000 2, 780, 000 2, 780, 000 3, 380, 000 3, 380, 000 3, 180, 000 3, 180, 000 2, 870, 000 2, 870, 000 2, 870, 000 2, 880, 000 2, 880, 000 2, 880, 000 2, 880, 000 2, 880, 000 2, 880, 000 2, 880, 000 2, 880, 000 2, 880, 000 2, 880, 000 2, 880, 000 2, 880, 000 2, 880, 000 3, 350, 000 3, 350, 000 3, 350, 000 3, 375	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8, 005, 000	1,800 1,920 1,920 2,520 2,160 2,080 1,720 1,840 2,080 1,720 1,920 1,920 1,920 1,920 4,000 4,100 4,100 4,100 4,100 4,100 4,500 4,500 4,500 4,500 4,300 4,300 4,300	4, 425, 000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1, 780, 000 1, 850, 000 1, 910, 000 2, 240, 000 2, 120, 000 1, 780, 000 1, 780, 000 1, 780, 000 1, 780, 000 1, 910, 000 1, 910, 000 1, 920	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
53.00	1, 000 1,	14,010 13,349 0 0 0 80,580 72,530 60,930 28,859 0 0	65, 730, 600 44, 890, 600 14, 190, 600 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	19, 720 4, 400 4, 400 19, 090 18, 830 34, 340 35, 270 0 0 29, 700 15, 900 41, 980 47, 050 20, 340	14, 855, 000 17, 200, 000 17, 745, 000 16, 380, 000 13, 980, 000 14, 070, 000 13, 580, 000 11, 515, 000 13, 390, 000 12, 120, 000 12, 120, 000 14, 040, 000 17, 835, 000 20, 860, 000 24, 400, 000 26, 585, 000 26, 585, 000 27, 855, 000 28, 585, 000	0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	17, 145, 000 18, 380, 000 13, 380, 000 14, 070, 000 13, 510, 000 13, 510, 000 13, 510, 000 12, 510, 000 12, 140, 000 14, 040, 000 26, 380, 000 27, 390, 000 28, 380, 000 28, 380, 000 28, 380, 000 28, 380, 000 28, 380, 000 28, 380, 000 28, 380, 000 28, 380, 000 28, 380, 000 28, 380, 000 28, 380, 000 41, 515, 000 28, 340, 000 28, 340, 000 28, 340, 000 28, 340, 000 28, 340, 000 28, 340, 000 28, 340, 000 28, 340, 000 28, 340, 000 28, 340, 000 28, 340, 000 28, 340, 000 28, 340, 000 28, 340, 000 38, 665, 600	4,500 4,500 4,500 4,500 4,500 3,400 4,500 4,500 4,500 4,500 7,310 3,710 3,710 3,710 3,710 3,710 3,710 3,710 3,710 3,710 3,710 1,710	4, 275, 000 4, 475, 000 4, 475, 000 4, 375, 000 4, 375, 000 3, 850, 000 4, 380, 000 4, 380, 000 4, 380, 000 6, 200, 000 3, 815, 000 3, 815, 000 3, 815, 000 3, 815, 000 3, 815, 000 3, 815, 000 6, 220, 000 7, 000, 000 7, 000, 000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7, 395, 000 8, 500, 000 3, 815, 600 3, 710, 600 3, 710, 600 4, 555, 600 5, 545, 600 10, 525, 600 8, 120, 600 0, 200, 600 0, 20		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
53, 00 54, 00 55, 00 58, 00 57, 00 58, 00 57m, 4	1,000 1,000 1,000 1,000	0 0 0 0		0 0	0 0 0 0 0	0 0 0 0	20, 340 19, 310 9, 710 15, 850 15, 870 19, 510	19, 825, 900 14, 510, 000 12, 785, 000 15, 885, 000 17, 690, 000 80, 675, 000	0 0 0 0	0 0 0 0 0 0 0	80, 675, 000	6, 500 4, 700 5, 200 4, 900 6, 050	5, 800, 600 4, 950, 600 5, 080, 600 5, 475, 600 0 27, 125, 600	0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5, 600, 000 4, 950, 000 5, 050, 000 5, 475, 000 27, 125, 000	0	0 0 0 0 0
70.0	9,000 0 13,700 0 (25,700	0 0		0 0 0 0 0 0	0	0	640 0	36, 675, 000 25, 110, 000 4, 384, 000 6, 169, 000	4,940 640	7, 410, 000 25, 110, 000 4, 384, 000 0 36, 904, 000	3 5	760 710 9 0	10, 215, 000 6, 615, 000 4, 863, 500 21, 693, 500		6, 615, 000 4, 863, 500	0	760 710	1, 140, 000 6, 615, 000 4, 863, 500 0 12, 618, 500
Sum. 1 Sum. 2 Sum. 3 Sum. 4 Sum. 5	3, 50	0		0 0 0	0 0			5, 100, 000 191, 170, 000 508, 665, 000 80, 675, 000 66, 169, 000 851, 779, 000		3, 780, 000 0 0 0 35, 904, 000 40, 584, 000	191, 170, 00 508, 665, 00 80, 875, 00 29, 265, 00	0	2, 192, 500 78, 925, 000 151, 035, 000 27, 125, 000 21, 693, 500 290, 971, 000		0 0 12, 618, 500	880, 000 78, 925, 000 161, 035, 000 27, 125, 900 9, 075, 000 277, 040, 000)))	1, 312, 500 0 6 0 12, 618, 590 13, 931, 000

 Total Excavation Vol.
 1,681,041,000

 DRY
 1,689,170,000

 TET
 71,871,000

S-3					: -										·			<u> </u>
ktation No. -2.85	bis (n) 2,850	Ao O	2, 223, 000	. 0	Hard Rock Tet Vi 2, 223, 000	Þry V? 0	<i>λ</i> ο 0	Yo 1, 667, 250		Wet V1 1, 667, 250	Dry V2 0 810,000	Ao 0	\$38,500	Earth let A1 0 420	Wet YI 598, 500 210, 000	0ry V2 0	Nad Ao O	Vo 598, 500 210, 000
0, 00 1, 00 Sur. 1	1,000 0 3,850	1,560 6,120	3, 840, 000 0 5, 063, 000	0	780, 000 0 3, 003, 000	3, 050, 000 0 3, 050, 000	1, 170 1, 620	1, 395, 000 0 3, 062, 250	1, 170	585,000 0 2,252,250	810,000	420 1,080	759,000 0 1,348,500	0	603, 500	540,000 0 540,000	420	808, 500
1,00	1,000	6, 120 8, 410	7, 265, 000 7, 620, 000	0	0	7, 255, 000 7, 620, 000	1,620 1,740	1, 680, 000	0	0	1,680,000 1,800,000		1, 120, 000 1, 200, 000	0		1, 120, 000 1, 200, 000	0	0
3.00 4.00 5.00	1,000	6, 830 13, 790 28, 480	10, 310, 000 21, 135, 000 23, 830, 000	0	0	19, 310, 000 21, 135, 000 23, 839, 006	2,700		0	0	2,040,000 2,460,000 2,550,000	1,480 1,800	1, 810, 000 1, 700, 000	0	0	1, 640, 000 1, 700, 000	0	0
5.00 7.00 8.00	1,000 1,000 1,000	19, 180 16, 060 4, 030	17, 620, 000 10, 045, 000 4, 995, 000	0	0	17, 620, 000 10, 045, 000 4, 995, 000	2, 280 1, 560	1, 920, 000 1, 880, 000	000	0	2, 340, 000 1, 920, 000 1, 680, 000 1, 740, 000	1,500 1,520 1,040 1,200	1,580,000 1,280,000 1,120,000 1,160,000	0	0	1, 560, 000 1, 280, 000 1, 120, 000 1, 160, 000	0	0
9,00 10.00 11.00 12.00	1,000	5, 960 4, 590 8, 020 4, 810	5, 275, 000 6, 305, 000 6, 415, 000 2, 405, 000	0	000	5, 275, 000 8, 305, 000 8, 415, 000 2, 405, 000	1, 680 2, 100	1, 740, 600 1, 890, 600 1, 850, 600 9, 205, 600	0	0 0	1, 850, 000 1, 850, 000 9, 205, 000	1, 120 1, 400	1, 268, 000 1, 240, 000 1, 100, 000	0	0	1, 280, 000 1, 240, 000 1, 100, 000	0	0
13.00 14.00 15.00		6,550 10,370 9,250	8, 460, 000 9, 815, 000 4, 630, 000	0	0	8, 460, 000 9, 815, 000 4, 639, 000	1,680 1,850 1,800	1, 770, 000 1, 830, 000 5, 195, 000	0	0	1, 770, 000 1, 830, 000 5, 195, 000	1, 120 1, 240 1, 200	1, 180, 000 1, 220, 000 2, 150, 000	0		1, 189, 000 1, 220, 006 2, 150, 000	0 0 0	0 0
16.00 17.00 18.00	1,000 1,000 1,000	0 0 0	0 0 0	0	0	Ð	10, 350 7, 200		000	0 0 0	13, \$70, 000 8, 775, 000 7, 895, 000 8, 730, 000	3, 200	3, 100, 000 2, 850, 000	0	0 0 8 0	3, 150, 000 3, 100, 000 2, 850, 000 2, 600, 000	0 0 0	0
19.00 20.00 21.00 22.00		0	0 0 0	0 0	0 0		4,870 4,560 5,990		0	0	4,715,000 4,280,000	2,500 2,500	2, 500, 000 2, 500, 000 2, 650, 000	0	0 0	2, 500, 000 2, 500, 000 2, 550, 000 2, 650, 000	0	0
23.00 24.00 25.00	1,000	0	9 0	0	0	0 0	8,300 8,210 8,820	8, 255, 000 8, 515, 000 6, 410, 000	0	6 6 0	8, 515, 000 6, 410, 000	2, 800 2, 800		0	0	2, 800, 000 2, 800, 000 2, 700, 000	0	0
28.00 27.00 Sum 2	1,000 0 26,000	0	0 0 146, 125, 000	0	0	0 0 145, 125, 000	4,000 8,280	6, 140, <u>000</u> 0 122, 393, 900	0	0	6, 140, 000 0 122, 390, 000		2, 600, 000 0 50, 540, 000 0	0	0	2,600,000 0 50,540,000	<u>0</u>	0
27.00 28.00	1,000 1,000	0	<u>0</u>	0	0	0	8, 280 0, 270	9, 275, 000 10, 550, 000	0	<u>0</u>	10, 550, 000	2, 700	0 2,650,000 2,750,000	0	0	2, 750, 000	0	0
29.00 30.00 31.00	1,000 1,000 1,000	0 0 0	0 0 0	0	0	0 B	10,070 9,150	10, 450, 000 9, 610, 000 8, 290, 000	0	0 0	10, 450, 000 9, 610, 000 8, 290, 000 8, 015, 000	2, 200 2, 700	2, 650, 000	0	0	2, 800, 000 2, 750, 000 2, 850, 000 2, 850, 000	- 0 0 0	0 0
32.00 33.00 34.00 35.00	1,000 1,000 1,000	0 0	0 0 0	0 0 0	0 0 0	0 0	7, 430 8, 600 6, 970 6 830	8, 015, 060 7, 785, 060 8, 900, 000 8, 100, 000	0	0 0	7, 785, 000 5, 900, 000 8, 160, 600		2, 650, 000 2, 600, 000	0	0	2, 550, 000 2, 500, 000	0	0
36.00 37.00 38.00	1,000	0	0	0	0 0	0	9, 370 5, 550 8, 670	7, 460, 600 7, 110, 600 8, 245, 600	0	0 0 0	7, 460, 000 7, 110, 000 8, 245, 000	2,700 4,420 4,760	3, 560, 000 4, 590, 000 5, 530, 000	. 0 . 0		3, \$60, 000 4, 590, 000 5, 530, 000	0	0 0 0
39.00 40.00 41.00	1,000	0	0 0 4,115,000	0 0 0	0 0	0 8 4,115,000	7, 820 14, 870 14, 220 12, 180	11, 345, 000 14, 545, 000 13, 200, 000	0 0	0 0 0	11, 345, 000 14, 545, 000 13, 200, 000	2,770		0 0 0	0 0 0		0 0	0
42.00 42.00 41.00 43.00	0	8, 230 0 7, 230	4, 115, 000 0 3, 615, 000	0	0	4, 315, 000 0 3, 615, 000	2, 800 9, 950	8, 375, 000 0 7, 350, 000	0		6, 375, 000 0	1, 960 1, 930		0	0	2, 345, 000 0 3, 340, 000	0	0
44.00 45.00 46.00	1,000 1,000 1,000	0	0	0 0 0	0 0	0	10, 820 23, 430 66, 510	17, 125, 000 17, 125, 000 45, 020, 000	0	0	45, 020, 000	4, 860 21, 080	12, 960, 600 15, 880, 000	0	0	12, 980, 000 15, 880, 000	0	0 0 0
47.00 48.00 49.00 50.00	1,000	0 0 0	0 6 0	0 0	0 0	0	53, 560	63, 885, 000 57, 410, 000 48, 470, 000	0 0	0	83, 885, 900 57, 410, 000 48, 470, 000 0	3,600	5, 420, 000	0 0	0	6, 850, 000 5, 420, 000 5, 215, 000	0	0
\$0.00 \$1.00 \$2.00	1,000	0	0 0 0	0	0 0	0 0	27, 520 24, 513 02, 980	35, 175, 000 26, 016, 500 28, 746, 500	0	0 0	35, 175, 000 26, 016, 500 28, 746, 500	2,590 2,650 7,900	5, 280, 000 5, 900, 000	0	0 0	5, 280, 000 5, 900, 000	0	0 Q 0
53.00 Sur 3	25,000	0	13, 845, 000	0	0	11, 845, 000	12, 870	0 493, 588, 000	0	0	493, 588, 000	2, 900	117, 750, 000	0	0	0 117, 750, <u>000</u>		0
53.00 54.00 55.00	I, G00	0	0 0 0	0	0	0	12,090 5,080	7, 949, 000	0	0	9, 075, 000 7, 940, 000	3,800 2,900	3, 200, 000	0 0 0	0	3, 850, 000 3, 350, 000 3, 260, 000	0	0 0 0
55.00 57.00 58.00	1,000 0	0	0 0 0	0	0 0	Ô	10, 260	10, 049, 060 10, 740, 000 0 50, 275, 000	0	0 0	10, 740, 000			0 0 0	0	3, 450, 000 3, 800, 000 0 17, 650, 000	0	0 0
Sun. 4 58. 00	3,000	0	0	0		0	1, 220	21, 675, 000	0	4, 845, 900	16, 830, 000		6, 930, 000		630,000		0	630,600
85.70	15, 700	0	0 0 0	0	0	0 0	890 0	18, 540, 000 6, 986, 500 0 47, 201, 500	3, 230 890 0	18, 540, 000 6, 986, 500 0 30, 371, 500	0 0 0 16, 830, 000	420 380 0			3, 600, 000 2, 983, 000 0 7, 213, 000		420 380 0	
S-3																		
Sug. 3	3,850 26,000 26,000		5, 053, 000 146, 125, 000 11, 845, 000	<u> </u>	0	3, 050, 000 145, 125, 000 11, 845, 000		3, 062, 250 122, 390, 000 193, 588, 000		2, 252, 250	810,000 122,390,000 493,588,000 50,235,000		1, 348, 500 50, 540, 000 117, 750, 000		0	\$0,540,000 \$17,750,000		608, 500 0
Strat. 5	5,000 27,700 88,550		0 0 164, 033, 000	1	0 0 0,003,000			50, 275, 000 47, 201, 500 716, 516, 750		30, 371, 500 32, 623, 750	50, 275, 000 16, 830, 000 683, 893, 000		17, 650, 000 13, 513, 000 200, 801, 500		7, 213, 000	17, 650, 000 6, 300, 000 992, 780, 000		7, 213, 000 8, 021, 500

DRY 1, 089, 372, 750 DRY 1, 037, 703, 000 WET 51, 669, 750

S-4		*		Carc	unath	OII 1	wire o			2011 40	T CHIE						:
ktalion Dis				Hard Rock	- No. 100			Soft Ro	ck Vet VI	Dry V2	lo 1		et Al	Tet VI	Dry V2	Mad Ao	Vo
No. (n) -2.85 2,650	<u> </u>	Yo 3, 676, 500	Ret Al	Net VI 3, 676, 500	Dry V2	- // 0	3, 519, 500	0	3, 619, 500	1	0	1, 239, 750	0	1, 239, 750	0	0	1, 239, 750
0.00 1,000	2, 580	8, 260, 000		1, 290, 000	6, 970, 000	2,540 3,120	2, 830, 000	2,540 0	1, 270, 000	1,560,000	870 2, 080	1, 475, 000	870	435,000	1,040,000	870 D	435, 000 0
1,00 0 Sun 1 3,850	3, 940	11, 936, 500	0	4, 966, 500	6, 970, 000	3160	6, 449, 500		4, 889, 500	1, 560, 000	.,000	2, 714, 750		1, \$74, 750	1,040,000		1, 674, 750
213.																	
1,00 1,000	3, 910	15, 650, 000	0		15, 650, 000	3, 120	3, 120, 000	Ü	0	3, 120, 000		2,080,000	0		2, 080, 000	0	0
2.00 1,000	7, 360	17, 575, 000	0	0	17, 575, 060	3, 120	3, 150, 000 3, 180, 000	0	0	3, 150, 000 3, 180, 000		2, 100, 000 2, 120, 000	0		2, 100, 000 2, 120, 000	0	0
3.00 1.000 4.00 1.000	17, 790 26, 370	22, 080, 000 39, 525, 000	0		22, 089, 000 39, \$25, 000	3, 180	3, 860, 000	ő	0	3, 660, 000	2, 120	2, 440, 000	0	Ō	2, 410, 000	0	0
5.00 1,000	12, 680	44,650,000	0		44, 660, 000	4, 140	3, 870, 000 3, 510, 000	0	0	3, 870, 000 3, 510, 000		2, 580, 000 2, 360, 000	0		2, 560, 000 2, 360, 000	0	0
7.00 1.000	18, 510 01, 400	34, 020, 000 20, 205, 000	0		34, 020, 000 20, 205, 000	3, 600	3, 180, 000	0	ő	3, 180, 000	2, 320	2, 149, 000	0	0	2, 140, 000	Q	0
8.00 1,000	9,010	12, 130, 000	0	0	12, 130, 000	2, 940	3, 030, 000	0		3, 030, 000 3, 390, 000		2, 020, 000 2, 250, 000	0	0	2, 020, 000 2, 260, 800	0	<u>0</u>
9,00 1,000	5, 250 11, 890	15, 970, 000 17, 980, 000	0		15, 070, 000 17, 980, 000	3, 120	3, 390, 000		0	3, 540, 000		2, 360, 000	Ď	0	2, 350, 000	0	Ŏ
11.00 1.000	21,070	15, 865, 000	0	. 0	15, 865, 000	3, 420	3, 210, 000	0	0	3, 210, 000 11, 920, G00	2,280	2, 140, 000 2, 140, 000	0	0	2, 140, 000 2, 140, 000	0	0
12.00 1,000	0,660 5,750	5, 330, 000 18, 625, 000	0		5, 330, 000 18, 625, 000	3,000	11, 920, 000 3, 360, 000	Ô	Ŏ	3, 360, 000	2, 280	2, 240, 000	0	0	2, 240, 000	Ó	Ō
14.00 1,000	21.500	20, 380, 000	0	0	20, 380, 000	3, 300	3, 240, 000 9, 770, 000	0	0	9, 770, 000		2, 160, 000 3, 760, 000	0	: 0	2, 160, 000 3, 760, 000	0	<u> </u>
15.00 1,000 16.00 1,000	19, 260 0	9,630,000	0	0	9, 630, 000 0	3, 180 20, 840	21, 905, 000	0	0	21, 905, 000	5, 400	5, 550, 000	0	Ō	5, 550, 000	Ó	0
17.00 1,000	0	Ö	0	, o	0	22, 970	19, 875, 000	0	0	19, 875, 000 16, 570, 000	5, 700 5, 300	5, 500, 000 5, 050, 000	0	0	5, 500, 000 5, 050, 000	0	0
18.00 1.000 19.00 1.000	0	0	0	0		16, 780 16, 360	18, 570, 000 13, 695, 000	0	0	13, 595, 000	4,800	4, 750, 000	Ö	0	4, 750, 000	0	<u>ò</u>
20.00 1,000	0	D.	0	0	0	10, 920	10, 975, 000	0	0	10, 975, 000 11, 565, 000	4,700	4, 700, 000 4, 750, 000	0	0	4, 700, 000 4, 750, 000	- 0	-
21.00 1,000 22.00 1,000	<u>0</u>	0	0	0		13, 640	16, 215, 000	Ď	0	16, 215, 000	4,800	4, 900, 000	0	0	4, 900, 000	0	<u>, 0</u>
23.00 1,000	0	0	0	Ō		18, 790	19, 750, 000 20, 885, 000	0	0	19, 760, 000 20, 885, 000	5,000 5,100	5, 050, 000 4, 450, 000	0	<u>0</u>	5, 050, 000 4, 450, 000	0	<u>v</u>
24.00 1,000 25.00 1,000	0	0	0	0		20,730 21,040	16, 625, 900	0	Ŏ	16, 625, 000	3, 800	4, 400, 000	0	0	4, 400, 000	O O	0
26.00 1,000	0	0	0	0		12, 210 17, 220	14, 715, 000	0	- 6	14, 715, 000	5,000 4,900	4, 950, con D	- 8	0	4, 950, 000 D	0	<u>_</u>
27.00 0 Sue 2 26,000	. 0	0 305, 725, 000	0	0	08, 725, 000	17,220	247, 915, 000		ő	247, 915, 000	1,300	88, 950, 000		0	88, 950, 000		Ō
	i											0		 :-	· · · · · · · · · · · · · · · · · · ·		
27.00 1,000	0	0	0	0		17, 220	18, 520, 000	0	0	18, 620, 000		4, 950, 000	0	0	4, 950, 000	0	. 0
28.00 1.000	0	0	0	0		20, 020 22, 840	21, 430, 000 22, 415, 000	0		21, 430, 000 22, 415, 000	5, 000	5, 100, 000	0	0	5, 050, 000 5, 100, 000	0	0
29.00 1,000 30.00 1,000	0	0	.0	0	0	21, 990	20, 560, 000	0	Ü	20, 560, 000	5, 100	5, 600, 000	0	0	5, 000, 000 4, 900, 000	0	0
31,00 1,000 32,00 1,000	0	0	0	0		19, 130 16, 280	17, 705, 000 1	0	0	17, 705, 000 17, 650, 000	4, 900	4, 900, 000 4, 950, 000	0	0		0	0
33.00 1,000	0	Ó	0	0	Û	19,040	17, 040, 000	. 0	0	17, 040, 000	5,000	4, 950, 000	0	0	4, 950, 000 4, 900, 000	0	0
34.00 1,000 35.00 1,000	0	0		0		15, 040 14, 850	14, 945, 000 17, 955, 000	0	0	14, 945, 000 17, 955, 000		4, 900, 000 5, 000, 000	0	0	5, 000, 000	0	Ö
36.00 1,000	0	0	0	Ô	0	21,050	16, 765, 000	0	0	16, 765, 000 15, 585, 000	5, 100 8, 830	\$, 965, 000 8, 750, 000	0	0	5, 965, 000 8, 750, 000	0	<u>0</u>
37.00 1.000 38.00 1.000	0	0	0	0		12, 470 18, 700	15, 585, 000 18, 295, 000	0	ő	18, 295, 000	8, 670	9, 685, 000	0	0	9, 685, 000	0	Ö
39.00 1,000	0	0	0	0	0	17, 890 27, 910	22, 900, 000 27, 485, 000	0	0	22, 900, 000 27, 485, 000		7, 540, 000 4, 290, 000	- 0	0	7, 540, 000 4, 290, 000	0	<u>U</u>
40.00 1,000 41.00 1,000		0		0		27,060	25, 800, 000	0	Ů,	25, 800, 000	4, 200	3, 870, 000	0	Ó	3, 870, 000	0	0
42.00 0	0	0		0		24, 540 22, 930	22, 670, 000	0	- 0	22, 870, 000		3, 925, 000	8	0	3, 925, 900	0	0
42.00 1,000 43.00 0	0	0	0	Ö	0	22, 410	0	Ū	6	0	3, 540	0	0	0	0	0	0
43.00 1,000 44.00 1,000	0	0		0		13, 810 23, 890	18, 850, 000 31, 775, 600	0	0	18, 850, 000 31, 775, 000		5, 305, 000 4, 710, 000	0	0	5, 305, 000 4, 710, 000	0	9
45.00 1.000		Ó	0	0	0	39, 880	31, 775, 000	0	0	31, 775, 000	3, 120	14, 050, 000	0	0	14, 050, 000 19, 000, 000	0	0
46.00 1.000 47.00 1.000		0		0		94, 290 90, 450	86, 975, 000 92, 370, 000	0	0	92, 370, 000		19, 000, 000 8, 300, 000	0	0	8, 300, 000	0	0
48.00 1,000	0	. 0	0		0	81, 160	85, 805, 000	0	0	85, 805, 000 75, 510, 000		6, 640, 000 6, 940, 000	0	0	6, 640, 000 6, 940, 000	0	0
49, 00 1, 000 50, 00 0		0		0		89, 860 85, 510	75, 510, 000 0	0	0	Ō	7, 490	0	0	0	0	0	0
59.00 1,000	0	0	0	0	0	52,010	59, 260, 000 51, 295, 000	0	0	59, 260, 000 51, 295, 000		4, 200, 000 5, 800, 000	0	0	4, 200, 000 6, 800, 000	0	0
\$1.00 1,000 \$2.00 1,000		0		0		50, 580 54, 100	52, 340, 000	0				7, 800, 000	ŏ	Ö	7, 800, 000	0	0
53.00 (0		0	0	27, 880	883, 785, 009	Ð	0		6, 200	173, 580, 000	<u>"</u>	0	173, 580, 000	 "	- 0
Sunt 3 26,000	<u> </u>		-				,,							[
53.00 1,000	0		0	0	n	27, 780	25, 930, 000	. 0	- 0	25, 930, 000	6, 200	6, 650, 000	- 0		6, 650, 000	0	0
51.00 1.000	0		0	Ó	0	24, 080	18, 580, 000	0	0	18, 680, 000	7, 100	6, 250, 000	0		6, 250, 000 5, 600, 000	0	0
55.00 1.000 56.00 1.000		0				13, 280 19, 980	15, 830, 000 19, 815, 000	0	0	19, 815, 000	5, 800	5, 600, 000 5, 650, 000		0	5, 650, 000	0	6
\$7.00 1,000	0	0	0	0	0	19, 650	22, 245, 000	0	0	22, 245, 000	5,500	5, 850, 000 5, 100, 000	0		6, 100, 000 0	0	0
58.00 (Sum 4 5.000				0	0	24, 840	193, 300, 000	0	0	103, 300, 000	6, 700	30, 250, 000	0		30, 250, 000		Ů
332 1 3.000			1										ļ				
58.00 3,000	0		-		Ö	24, 840	47, 970, 000		10, 710, 000	37, 260, 000		11, 370, 000	0			0	1, 320, 000
81.00 9,000	9		0	0	Û	7, 140	41, 535, 000	7, 140	41, \$35, 900	0		7, 695, 000 8, 515, 500	880 830		0		7, 695, 000 6, 515, 500
70.00 15,70 85.70					0	2,090 Q	0	2, USU 0	16, 406, 500 0	Ó	0.30	0	0	0	0		0
Sua 5 27, 70				Ō	. 0		105, 911, 500		68, 651, 500	37, 260, 000	-	25, 580, 500	1	15, 530, 500	10, 050, 000		15, 530, 500
S-4		L	<u> </u>										1	<u> </u>			
	,	11, 936, 500		A 000 500	6, 970, 000	 	8, 449, 500	-	4, 889, 500	1, 560, 000	<u> </u>	2, 714, 750	├	1, 674, 750	1, 040, 000	-	1, 674, 750
Sun 1 3, 850 Sun 2 26, 000		308, 725, 000		Ü	308, 725, 000		247, 915, 000		0	247, 915, 000		88, 950, 000	L	0	88, 950, 000		0
Sun 3 25,00	7			0	0		883, 785, 000 103, 300, 000		0			173, 580, 000 30, 250, 000			173, 580, 000 30, 250, 000		0
Sun 4 5,000 Sun 5 27,70	<u> </u>			0	0		105, 911, 500		68, 651, 509	37, 260, 000		25, 580, 500	\Box	15, 530, 500	10, 050, 000		15, \$30, 500
Total 88, \$5	1	320, 651, 500)	4, 966, 500	p15, 695, 000	Щ.	<u>1, 347, 361, 000</u>	<u> </u>	73,541,000	1, 273, 820, 000	J	<u>021, 075, 250</u>	ــــــــــــــــــــــــــــــــــــــ	1 11, 205. Z50	003, 870, 000		17, 205, 250

Total Excavation Vol. 2,006,303,000 DRY 1,893,385,000

S-5	5~3	Caro	uracion	TUULC	O		D							
klation Dis	[_ 	llard Rock	- K - 19-1		Soft R		Dry V2	ю	Y 6	Earth Wet At	Wet Vi	Dry V2	Xad	
72. 90 2, 900	Ao Yo 0 2, 769, 50		Dry V2 Ao	1, 812, 500	Wet At	1, 812, 500		0	\$38,000	0	638, OOO	0	. Ao.	638, 000
0.00 1.000 1.00 0	1, 910 S, 780, 00 9, 650	0 3,910 955,000	4, 825, 000 1, 250 0 1, 580		1,250	625,000	840,000	1, 120	780, 000 0	410	220, 000 0	560,000	440	220,000
Sua. 1 3, 500	8, 549, 50	0 0 3, 724, 500	4, 825, 000	3, 277, 500		2, 437, 500	840,000		1, 418, 000		858,000	560,000		858,000
				 		1 1 1 1								
1.00 1,000	6, 950 8, 100, 00		8, 100, 600 1, 680		0		1,740,000	1, 120	1, 160, 000	0	0	1, 160, 000	0	<u></u>
2.00 1,000 3.00 1,000	9, 250 8, 285, 00 7, 320 10, 960, 00		8, 285, 000 1, 800 10, 960, 000 1, 920	2, 100, 000	0	0	2, 100, 000	1, 280	1, 400,000	0	0	1,400,000	0	
4,00 1,000	14, 600 22, 150, 00 29, 700 25, 180, 00		22, 150, 000 2, 280 25, 180, 000 2, 820		0	0	2,550,000 2,640,000	1,520 1,880	1, 700, 000 1, 760, 000	8	0	1,700,000	0	0
5.00 1,000 5.00 1,000	29, 700 25, 180, 00 20, 650 18, 940, 00	0 0 0	18, 340, 000 2, 460	2, 430, 000	0	0	2, 430, 000	1, 640	3, 520, 000	0	0	1, 520, 000	. 0	Ö
7.00 1.000 8.00 1.000	17, 220 10, 775, 00 4, 330 5, 400, 00		10, 775, 000 2, 400 5, 400, 000 1, 880	2, 040, 000 1, 770, 000	0		2,040,000 1,770,000		1, 360,000	- 0	0	1, 360, 000 1, 180, 000	0	0
9,00 1,000	6, 470 5, 810, 00	0 0 0	5, 810, 000 1, 860	1,830,000	Ö	0	1, 830, 000	1, 240	1, 220, 000	0	Ò	1,220,000	0	Ò
10.00 1,000	5, 150 7, 035, 00 8, 920 7, 125, 00		7, 035, 000 1, 800 7, 125, 000 2, 100	1, 950, 000	0	0	1, 950, 000 1, 890, 000	1, 200 1, 400	1, 200, 000	0		1, 260, 000	0	<u>0</u>
12.00 1.000	5, 330 8, 225, 00	0 0		6, 520, 000 1, 850, 000	0	0	1, 860, 000	1, 120	1, 160, 000 1, 240, 000	0		1, 160, 000 1, 240, 000	0	0
13.00 1,000	7, 120 9, 195, 00 11, 270 10, 750, 00	0 0	10, 750, 000 1, 920	1, 920, 000	0	0	1, 920, 000	1,280	1, 280, 000	0	0	1, 280, 000	0	
15.00 - 1,000 16.00 - 1,000	10, 230 5, 115, 00	0 0 0	5, 115, 000 1, 920 0 11, 360		0	0	6, 540, 000 11, 185, 000	1, 280 3, 200	2, 240, 000 3, 300, 000	0	0	2, 240, 000 3, 300, 800	0	0
17.00 1,000	0	0 0 0	0 11,010	9, 405, 000	Ö	0	9, 405, 000	3, 400	3, 250, 000	0	0	3, 250, 000	0	0
18.00 1,000		0 0 0		8, 600, 000 1, 330, 000	0	0	8, 600, 000 7, 330, 000	3, 160 2, 700	2, 900, 000 2, 650, 000	0	0	2, 900, 000 2, 650, 000	0	0
20.00 1,000	8	0 0 0	0 5,260	5, 245, 000	0	0	5, 245, 000 5, 940, 000		2, 550, 000 2, 550, 000	0	0	2, 550, 000 2, 550, 000	0	0
21.00 1,000 22.00 1,000		0 0 0		7, 800, 000	0	0	7, 800, 000	2,600	2, 500, 000	0	0	2, \$00, 000	0	0
23.00 1,000 24.00 1,000	0	0 0 0	0 8,950 0 8,950	8, 950, 000 9, 210, 000	0	0	8, 950, 000 9, 210, 000	2,400	2, 650, 000 2, 900, 000	0		2, 650, 000 2, 900, 000	0	0
25.00 1,000	Û	0 0 0	0 9,470	6, \$95, 000	0		8, 995, 000	2,900	2, 800, 000	Ö	0	2, 800, 000	0	Ŏ
28.00 1,000 27.00 0	<u>0</u>	0 0 0	0 4,520 0 3,050		0	0	\$, 785, 000 0	2,700	2, 700, 000 0	0	0	2, 700, 000 0		<u>U</u>
Sun. 2 25, 900	161, 045, 00		61, 045, 000	127, 185, 000		0	127, 185, 000		51, 870, 000			51, 870, 000		0
	<u> </u>	+		1	<u> </u>		L		0					
27.00 1,000		0 0 0		10, 030, 000	0	0	10,030,000	2,700	2, 750, 000 2, 850, 000	0	0	2, 750, 000 2, 850, 000	0	0
28.00 1,000 29.00 1,000	Ü	0 0 0	6 11, 760	11, 325, 000	0	. 0	11, 325, 600	2, 500	2, 900, 000	0		2, 900, 000	å	0
30.00 1.000 31.00 1.000		0 0 0		9, \$70, 000	0	0	9, 970, 000		2, 850, 000 2, 800, 000	0 1		2, 850, 000 2, 809, 000	0	0
32.00 1,000	0	0 0 0	0 10,020	9, 595, 000	0	Ŏ	9, 595, 000	2,800	2, 800, 000	0	0	2, 800, 000	0	0
33.00 1,000 34.00 1,000		0 0 0	0 8,170	8, 335, 900 7, 530, 900	0	0	8, 335, 000 7, \$30, 000		2, 700, 000 2, 600, 000	0	9	2, 700, 000 2, 600, 000	0	
35.00 1,000		0 0 0 0 0 0		8, 925, 000	0	0	8, 925, 000		2, 700, 000 3, 740, 000	0	0	2,700,000 3,740,000	0	9
38.98 1,000 37.00 1,000	0	0 0 0	0 6,080	7,830,000	0	0	7, 830, 000	4,688	4, 805, 000	0	0	4, 805, 000	D	ŏ
38.00 1,000 39.00 1,000		0 0 0		3, \$80, 000 11, 890, 000	0	0	8, 980, 000	4, 930 6, 460	5, 595, 000 4, 665, 000	0	0	5, 695, 000 4, 665, 000	0	0
40.00 1,000	Ð	0 0 0	0 15,400	15, 370, 000	0	0	15, 370, 000	2,870	2, 835, 000	Ö	0	2, 835, 000	0	Ŏ
41.00 1.000 42.00 0	0	0 0 B	0 15, 349 0 10, 146	14, 240, 000	0		14, 240, 000	2,800 2,650	2, 765, 000 0	0	0	2, 785, 000	0	0
42,00 1,000	7, 230 7, 615, 00	0 0	7, 615, 000 3, 900	3, 400, 000	0	0	3, 400, 000	2,730	2, 650, 000	Ŏ	0		Ô	0
43.00 0 43.00 1,000	8,000	0 0 0	0 2,900	12, 165, 000	0		12, 165, 000	2,030 2,590	3, 345, 000	- 0	0	3, 345, 000	Ö	0
44.00 1,000 45.00 1,000		0 0 0		18, 350, 000 18, 350, 000	0		18, 350, 000		4, 480, 000	0	0	4, 480, 000 13, 430, 600	0	0
45.00 1,000	0 31, 610, 00	0 0	31, 610, 000 68, 750	45, 770, 000	Ō	0	46, 770, 000	22,000	16, 850, 000	0	0	16, 850, 000	0	Ŏ
47.00 1.000 48.00 1.000	63, 220 59, 580, 00 55, 940 50, 880, 00		59, 580, 000 C 50, 880, 000 C	34, 380, 000	0	0	34, 380, 000		7, 350, 000 5, 500, 000	0	0		0	0
49.60 1,000	45, 820 33, 315, 00	0 0	33, 315, 000 (0	0	0	0	8,000	5, 330, 000	Ð	0		0	0
50.00 0	20, 810 17, 680 8, 840, 00	0 0 0	9 24,300 8,540,000 11,400	17, 850, 000	0		17, 850, 000	2, 650		0	Ŏ		0	0
51.00 1,000 52.00 1,000		0 0 0		22, 755, 000 34, 480, 000	0		22, 755, 000 34, 480, 000			0		11, 225, 000 6, 050, 000	0	0
53.00 0	0	0 0 0	0 13,760	0	Ŏ	. 0	0	4, 100	0	0	0	0	Ō	0
Sum. 3 26, 000	19), 840, 00	0	191,840,000	352, 435, 000	 	0	362, 495, 000	 	134, 230, 000			134, 230, 000		0
						ļ			4					
53.00 1,000		0 0 0		13, 235, 000	0		13, 235, 000	4, 100	4, 650, 000	0	0		0	0
\$4.00 1,000 \$5.00 1,000	0	0 0 0		\$,735,000 8,700,000	0		9, 235, 000 8, 700, 000		4, 100, 000	0	0		0	0
56.00 1,000	0	0 0 0	0 10, \$46	10, 880, 000	0	0	10, 880, 000	3,600	3, 500, 000	0	0	3,500,000	. 0	. 0
\$7,00 1,000 58,00 0	0 0	0 0 0	0 11, 120 0 12, 150	11, 635, 000			11, 635, 000		3, 850, 000 0		0		0	0
Sea. 4 5,000		0 0	0 1512	54, 185, 000			54, 185, 000		19, 400, 000			19, 490, 000		Ö
	 		<u> </u>		<u> </u>			 	L	<u> </u>	L			
				1	<u> </u>			\sqsubseteq	-			ļ		
58.00 3,000	0	0 0 0		23, 745, 000		5, 520, 000							0	675,000
51.00 9,000 70.00 15,700	0	0 0 0	0 3, 58 0 1, 19	21, 915, 000 9, 936, 500	3, 680	21, 915, 000 9, 936, 500	0	450 400						3, 825, 000 3, 340, 000
85. 70 0	0	0 0 0	0 (0		0	Ū		0		0	0	Q	Ó
Sun. 5 28, 700		0 0	0	55, 596, 500	 	37, 371, 500	16, 225, DCO	 -	14, 290, 000		7, 849, 000	6, 450, 000		7, 840, 000
S5					1					 				
Sum, 1 3, 900	8, 549. 5	20 3, 724, 500	4, 825, 600	3, 277, 500	 	2, 437, 500	840,000	├	1, 418, 000	 	858, COO	560,000		858, 000
Sept. 2 25,000	181, 045, 0	00 0	161, 045, 000	27, 185, 000	1	0	127, 185, 000		51, 879, 000		0	51,870,000		0
Scin. 3 26,000 Scin. 4 5,000	191, 840, 0	0 0	191, 840, 000	962, 495, 000 54, 185, 000		0	54, 185, 000 54, 185, 000		134, 230, 000 19, 400, 000			134, 230, 000		0
Sum. 5 28, 700	<u> </u>	0 0	0	55, 596, 500		37, 371, 500	18, 225, 000		14, 290, 000		7, 849, 000	8, 450, 000		7, 840, 000
Total 89, 800	361, 434, 5	ou 1 2,724,500 (357, 710, 000	502, 739, 000	·	1 72 003 000	552, 930, 000	1	221, 208, 000	L	j 0,030,000	212,510,000	لــــا	8, 698, 000

 Dotal Excavation Vol.
 1, 194, 079, 500

 DRY
 1, 133, 150, 600

 NET
 60, 929, 500

								6.41 h	· 	 ,	,					V. 1	
Station Dis	- ko	Yo I	Tet Al	Hard Rock Vet Vi	Dry V2	ю	Yo		Wet VI	Dry V2	Ao .	Yo	Earth let Al	Wet VI	Dry V2	And An	Yo
-2, 99 2, 90 0, 00 1, 00	0 0	6, 235, 000	0	6, 235, 000	7, 495, 000	2,700	3, 915, 000 3, 000, 000	2,700	3, 915, 000 1, 350, 000	1, 650, 600	920	1, 334, 000	920	1, 334, 000 460, 000	0 1, 100, 000	920	1, 334, 000 460, 000
1.00	0 14,990		4, 300	0	0	3, 300	0	0	0	0	2, 200	Ū	0	0	0	Ö	0
Sue. 1 3, 90	00	15, 880, 000	0	8, 385, 000	7, 495, 000		6, 915, 000		5, 265, 000	1, 650, 000		2, 894, 000		1, 734, 000	1, 100, 000		1,791,600
											,	A 7 45 4 5 5					
1.00 1,00 2.00 1,00		17, 460, 000 19, 565, 000	0	0	17, 460, 000 19, 565, 000 23, 395, 000	3, 300	3, 270, 000 3, 270, 000	0	0	3, 270, 000 3, 270, 000	2, 200	2, 180, 000 2, 180, 000	0	0	2, 180, 000 2, 180, 000	0	Ü
3,00 1,00	19, 200	23, 395, 000	0			3, 300	3, 300, 000	0	0	3, 300, 000	2, 200	2, 200, 000	0	0	2, 200, 000	0	0
4.00 1,00 5.00 1.00		41, 750, 000	0	0		3, 300 4, 260	3, 780, 000 3, 990, 000	0	0	3, 780, 000 3, 990, 000		2, 520, 000 2, 660, 000	0		2, 520, 000 2, 650, 000	0	0
6,00 1,00	39, 120	36, 255, 000	Ô	0	36, 255, 000	3, 720	3, \$90, 000	Ü	Ō	3, \$90, 000	2, 480	2, 460, 000	0	0	2,450,000	Ü	0
1,00 1,00 8,00 1,00	09 33,090 30 9,650	13, 270, 000	0		21, 370, 000 13, 270, 000	3, 860 3, 120	3, 390, 000	0	0	3, 350, 000 3, 210, 000	2,410	2, 289, 000 2, 140, 000	0	0	2, 260, 000 2, 140, 000	0	<u> </u>
9,00 1,00	00 16, 890	16, 925, 000	. 0	0	16, 925, 000	3, 300	3, 669, 000	0	0	3, 560, 000	2,200	2, 440, 000	0	0	2, 449, 000	Q	0
10.00 1,00	0 16,960 0 22,830	19, 895, 000 17, 415, 000	0		19, 895, 000 17, 415, 000	4,020 3,660	3, 840, 000	0	0	3, 840, 000		2, 560, 000 2, 260, 000	0		2,560,000 2,260,000	0	<u>v</u>
12.00 1,00	12,000	14, 670, 000	Û	Ó		3, 120 3, 600	3, 350, 000 3, 546, 000	0	0	3, 360, 000 3, 540, 000		2, 240, 000 2, 360, 000	0	0	2, 240, 000 2, 360, 000	0	<u>0</u>
13.00 1.00	20 17, 340 20 22, 190	19, 755, 000 21, 460, 000	0	0	21, 450, 000	3, 480	3, 390, 000	0	ő	3, 390, 000	2, 320	2, 260, 000	0	Ó	2, 260, 000	0	ŏ
15,00 1,00	20, 730		0	. 0	10, 365, 000	3, 300 22, 350	12, 825, 000 23, 670, 000	0	0	12, 825, 900 23, 670, 900			0		3, 900, 000 5, 750, 000	0	0
16.00 1.00 17.00 1.00		0	0	0	Ü	24, 990	21, 690, 000	0	0	21, 690, 000	5,900	5, 750, 000	0	0	5, 750, 000	Ō	Ŏ
18,00 1,00		0	0	0	0	18, 390 17, 665	18, 027, 500 14, 782, 500	0	0	18, 027, 500 14, 782, 500	5,600	5, 300, 000 5, 000, 000	0	0	5, 300, 000 5, 000, 000	0	<u>0</u>
19.00 1,00 20.00 1,00		0	0	0	0	11, 590	11, 755, 000	0	0	11, 755, 009	5,000	5, 000, 000	. 0	0	5,000,000	0	
21.00 1,00 22,00 1,00		0	0	- <u>0</u>	0	1, 610 14, 540	13, 075, 000 17, 305, 000	<u>0</u>	0	13, 075, 000		5, 000, 000 5, 100, 000	0	0	5, 000, 000 5, 100, 000	0	- 0
23.00 1,00		0	0	0	Û	20, 070	21, 280, 000	Ō	0	21, 250, 000	5, 200	5, 250, 000	Ð	0	5, 250, 000	G .	0
24.00 1,00 25.00 1,00			0	0		22, 490 20, 950	21, 720, 000 17, 250, 000	0	0	21, 720, 000 17, 250, 000		5, 300, 000 5, 250, 000	0	0	5, 300, 000 5, 250, 000	0	V
26,00 1,00	00 0		0	Ô	0	3, 550	15, 965, 000	0	0	15, 985, 000	5, 200	5, 200, 000	0	0	5, 200, 000	0	Ö
27, 00 Sum. 2 28, 00	0 0	341, 225, 000	0	0	341, 225, 000	18, 380 0	258, 425, 000	0	0	258, 425, DOO	5, 200	94, 520, 000	0	0	94, 520, 000	0	- 0
VIE 6 10,00	~	V.1, 220, 000															
27.00 1,00	o	0	- G	0	G	8, 380	20, 010, 000	0	0	20,010,000	5, 200	5, 200, 000	0	. 0	5, 200, 000	0	Ó
28.00 1.00	0 0	0	Ŏ	0		21,640	23, 015, 000 24, 075, 000	0	0	23, 915, 600 24, 075, 000		5, 250, 000 5, 300, 000	0	0	5, 250, 000 5, 300, 000	0	<u>. 0</u>
29, 00 1, 00 30, 00 1, 00		0	0	0	0	24, 390 23, 760	22, 105, 000	0	ő	22, 105, 000	5, 300	5, 250, 000	0	Q	5, 250, 000	0	0
31.00 1,09	00 0		0	0	0	20, 450 17, 300	18, 875, 000 19, 430, 000	0	0	18, 875, 000 19, 430, 000	5, 200	5, 200, 000 4, 600, 000	0		5, 200, 000 4, 600, 000	0	0
32.00 1,00 33.00 1,00			0	0	0	21,560	18, 890, 000	0	0	18, 850, 000	4,000	4, 500, 000	0	ō	4, 500, 000	O	Ŏ
34.00 1,00 35,00 1,00			0	0	0	16, 220 16, 180	16, 200, 000 19, 560, 000	0	0	16, 200, 000			0	0	5, 050, 900 5, 200, 800	0	
36.00 1.00		0	Û	0	0	22, 940	18, 315, 000	0	ő	18, 315, 000	5, 300	7, 070, 000	Ŏ	0	7, 070, 000	0	0
37.00 1,00 38.00 1,00			0	0		13, 690 20, 450	17, 070, 000 20, 010, 000	0	0	17, 070, 000 20, 010, 000			Ü	0	8, 925, 000 10, 030, 000	0	0
39,00 1,00	0 0	0	0	0	0	19, 570	24, 760, 000	0	0	24, 760, 000	11,050	7, 500, 000	0	. 0	7, 800, 000	0	. 0
40.00 1.00			0	0	0	29, 950 28, 790	29, 370, 000	0	0	29, 370, 000 27, 740, 000		4, 445, 000 4, 340, 000	0	0	4, 445, 000	0	0
42.00	0 0	0	0	Ŏ	0	26, 690	0	0	0	0	4, 340	0	0	0	3, 710, 000	0	0
42.00 1,00 43.00	00 19,750 0 19,130		0	<u>U</u>	19, 440, 600	5, 300	5, 300, 000 0	0	0	5, 300, 000 D	3, 710	3, 710, 000 0	C	0	0	0	0
(3.00 1,00	00 0	0	0	0		28, 160	25, 945, 000 33, 965, 009	9	0	25, 945, 000 31, 965, 000		8, 930, 000	0	0	8, 990, 000 6, 400, 000	0	<u>0</u>
45.00 1.04			0	0	6	25, 730 12, 200	33, 955, 000	0	ŏ	33, 965, 000			0	0	15, 850, 000	Ö	0
45.00 I.0	00 0	47, 490, 000 88, 310, 000	0		47, 490, 000 88, 310, 000	98, 380 0	70, 280, 000 49, 180, 000	0	0	70, 260, 000 49, 180, 000		19, 350, 000 8, 480, 000	0	0	19, 350, 000 8, 480, 000	0	<u>0</u>
47.00 1,0 48.00 1,0	00 81, 540	78, 270, 000	0	0	78, 270, 000	0	Ō	0	0	13, 100, 500	3, \$60	6, 750, 000	0	0	6, 750, 000	Ð	0
49.00 3.00 50.00	00 74, 900 0 37, 750	56, 325, 000	<u>0</u>	. 0	55, 325, 000	33, 000	0	0	0	0	9, 840 7, 700	8, 770, 000	0	0	8, 770, 000 0	0	0
50,00 1,0	00 36,810		O	0	18, 405, 000	18, 600	25, 800, 000	Ō	0	25, 800, 000	4, 340		. 0			0	0
51.00 1.0 52.00 1.0			0	0		75, 370 5, 800	47, 485, 000	0	D 0			12,965,000 8,000,000	0		12, 965, 000 8, 000, 000	0	0
53.00	0 0	Ó	Ď	0	0	26, 940	0	0	0	0	6,500	. 0	. 0	0	97, 810, 000	0	0
Sua. 3 25, 0	00	368, 240, 000			308, 240, 000	0	652, 430, 000		0	652, 430, 000	 	197, 810, 000		-	137, 010, 000		
				·· · ·	1						<u> </u>						
53.00 1.0	00 -0		Ó	0		26, 940	26, 455, 000	0				6, 900, 000	0	0		0	0
54.00 1,0	00 0	0	0	0	0	25, 970 15, 110	20, \$40, 000 18, 420, 000	0	0	20, 540, 000	7, 300	6, 450, 000 5, 850, 000	0	0	8, 450, 000 5, 850, 000	0	9
55.00 1,0 55.00 1,0			0	: 0	0	21,730	21, 580, 000	. 0	0	21, 580, 000	6, 100	5, 950, 000	: 0	D	5, 950, 000	0	0
57.00 1.0		0	0	Ö	0	21, 430 27, 080	24, 255, 000	0	0	24, 255, 000	7,000	6, 400, 000	0	. 0	6, 400, 000	0	0
Sunt. 4 5, 0		<u> </u>		0	0	, 000	111, 250, 000		0	111, 250, 000	[31, 550, 000	Ľ	0	31, 550, 000	Ţ	0
	-				 						 	<u> </u>	L-	<u> </u>	<u> </u>	1	
					 												
58.09 3.0	00 O	 	0	0		27, 080	52, 770, 000		12, 150, 000	40, 620, 000		11, 895, 000	0		10, 500, 000	0	1, 335, 000
61.00 9.0	00 0	0	0	0	Ō	8, 100			48, 500, 000	0		8, 190, 000 7, 298, 000	930 890		0	930 890	8, 190, 000 7, 298, 000
70,00 16,4 85,40	0 0	0	0	0	0		0		22, 140, 000 0	0	0	0	0	0	0	0	0
Sum 5 28, 4		0		Ö			123, 510, 000		82, 890, 000	40, 620, 000		27, 383, 000	1	16, 883, 000	10, \$00, 000	-	16, 883, 000
S-6		1									ļ						
Sun. 1 3, 9		15, 880, 000		B 385 000	7, 495, 000	 	6, 915, 000		5, 285, 000	1, 650, 000	-	2, 894, 000		1, 794, 000	1, 100, 000	 	1, 794, 000
Sept. 2 26.0	00 l	341, 225, 000		. 0	341, 225, 000		258, 425, 000		0	258, 425, 000		94, 520, 000		9	94, 520, 000	1	0
Stra. 3 26, 0 Stra. 4 5, 0	100	308, 240, 000 0		0	008, 240, 000 0		652, 430, 000 111, 250, 000		0		 	197, 810, 000 31, 550, 000	 		197, 810, 000 31, 550, 000		0
Sun. 5 28.4	19 0 	0		Ô	0		123, 510, 000	L		40, 629, 000		27, 383, 000 354, 157, 000	1	16, 883, 000	10, 500, 000		16, 883, 000
Total 89, 3	1 00 j	665, 345, 000	ــــــــــــــــــــــــــــــــــــــ	8, 385, 000	555, 960, 000	1	1, 152, 530, 000	ь.	1 00, 133, UUU	1,064, 375,000	ــــــــــــــــــــــــــــــــــــــ	N14' 121' REA	 -	18, 677, 000	23, 400, UU	4	18, 677, 000

DRY 2, 056, 815, 000

15.55				11. 1 6.	Hard Rock	 -			Soft R					Earth			Mad	
station No.	Dis (e)	. Ao	Yo		Wet VI	Dry V2	ю	Vo	ret at	Tel VI	Dry V2	ko .	Yo	Fet Al	Wet VI	Dry V2	Ao .	Yo
-2,50	2, 500	ð	2, 375, 000	0	2, 375, 000	. 0	i T	2,700,000	0	2, 700, 000	1 330 000	750	937, 500 1, 255, 000	750	937, 500 375, 000	0 000,000	750	937, 500 375, 000
0.00	1,000	1,300	6, 175, 000	1,900	950,000	5, 225, 000	2, 160	2, 400, 000	Z, 160	1, 080, 000	1,320,000	1, 760	1, 233, 000	138	313,000	660, UV	130	373,000
1.00 Sum 1	3,500	10, 450	8, 550, 000	lŏ		5, 225, 000		5, 100, 000		3, 780, 000	1, 320, 000		2, 192, 500		1, 312, 500	880,000		1, 312, 500
	0,000		274441492									<u> </u>						
		75	74 556 566	- 0		12, 275, 000	2 640	2, 570, 000	-		2,670,000	1,760	1, 780, 000	0	0	1, 780, 000		<u> </u>
2.00	1,000	10, 150 14, 100	12, 275, 000 13, 920, 000	- 0		13, 920, 000	2, 540 2 700	2, 190, 000	0	·····	2, 790, 000	1,800	1, 860, 000	0	Ď	1,860,000	- ŏ	ŏ
3.00	1,000	13, 740	18, 075, 000	Ö		18, 075, 000		2, 910, 000	0	0	2, 910, 000	1, 920	1, 940, 000	0	0	1, 940, 000	0	Ō
4.00	1,000	22, 410	33, 410, 000	. 0		33, 410, 000		3, 365, 000	0	Q	3, 360, 000	2, 520	2, 240, 000 2, 340, 000	8	0	2, 240, 000 2, 340, 000	0	0
5.00	1,000	44, 410	37, 700, 000	0		37, 700, 000 28, 545, 000		3, 510, 000 3, 180, 000	0	0	3, 510, 000 3, 180, 000			0		2, 120, 000	- 0	1
7,00	1,000	30, 950 26, 100	28, 545, 000 15, 230, 000	0	i d	16, 230, 000	3, 120	2, 850, 000	ŏ	Ŏ	2, 850, 000	2,080	1, 900, DCO	0	0	1, 200, 000	0	Ō
8.00	1,000	6, 360	8, 855, 000	Ŏ	, Ö		2, 580	2, 670, 000	0	0	2, 670, 000		1,780,000	0	0	1, 780, 000	0	0
9.00	1,000	11, 350	10, 750, 000	. 0	0	10, 750, 000	2,760	2, 910, 000	0	. 0	2, \$10, 000 3, 090, 000		1, 940, 000 2, 060, 000	0	0	1, 940, 000 2, 060, 000	0	,
10.00	1,000	10, 150	12, 890, 000	0	0	12, 890, 000 11, 715, 000	3,060	3, 090, 000 2, 850, 000	0	0			1, 900, 000	l ŏ	0	1, 900, 600		ŏ
11.00	1,000 1,000	15, 639 7, 800	9, 865, 000	1 6	- š	9, 665, 000	2, 580	2, 730, 000	Ö	Ö	2, 730, 000	1,720	1, 820, 000	0	0	1, 820, 000	0	Ò
13.00	1,000	11,530	14, 415, 000	9	0		2,880	2, 880, 000	0	0			1, 920, 000	0		1, 920, 000	0	0
14.00	1,000	17, 300	16, 340, 000	0	0			2, 820, 000 3, 935, 000	0	0			1,880,000 3,270,000	0	0	1, 880, 000 3, 270, 000	0	0
15.00 15.00	1,000	15, 380 N	7, 699, 000	0	0	7, 590, 000	2, 760 17, 110	17, 670, 000	0	0	17, 670, 000		4, 850, 000	Ö		4, 850, 000	Ö	ŏ
17.00	1,000	- 6	0	0	0	0	18, 230	15, 495, 000	. 0	0	15, 405, 000	5,000	4, 500, 000	0	0	4, 800, 000	0	0
18.00	1,000	O	0	0	. 0	0	2, 580	12, 840, 000	0	G	12, 840, 900	4, 500	4, 400, 000	0	0	4, 400, 000	0	0
19.00	1,000	0	0	0	0	0	13, 100 6, 220	10, 660, 000 8, 005, 000	0	0	10,650,000 8,005,000	4, 200	4, 150, 000	0		4, 150, 000 4, 100, 000	- 0	0
20.00	1,000	0	0	1 8	0	-		8, 975, 000	ŏ	Ö	8, 975, 000	4, 100	4, 125, 000	0	č	4, 125, 000	ŏ	ŏ
22.00	1,000	ő	Ö	ŏ	Ō		0, 160	12, 340, 000	Û	0	12, 340, 000	4, 150	4, 250, 000	0	0	4, 250, 000	0	0
23.00	1,000	0	0	9	0	0	4, 520	15, 245, 000	0	0	15, 245, 000	4, 350 4, 500	4, 425, 000 4, 450, 000	0	0	4, 425, 000 4, 450, 000	0	0
24.00	1,000	0	0	0	0	0	15, 970 15, 680	15, 825, 000 12, 110, 000	0	<u>v</u>	15, 825, 000 12, 110, 000	1, 400	4, 350, 000	1 0	0	4, 350, 000	ď	- 6
25.00 26.00	1,000		 	1 8	Ö	<u> </u>	TILIYE.	10, 940, 000	ő	Ö	10, 940, 000	4, 300	4, 275, 000	Ť	0	4, 275, 000	Ó	0
27.00	-1,000 C	0	Ŏ	0	0	0	3, 340	. 0	0	0	0	4, 250	0	0	0	0	0	D
Sera. 2	26,000		252, 475, 000		Ü	252, 475, 000	<u> </u>	191, 170, 000		0	191, 170, 000	 	78, 925, 000 0			78, 925, 000		
 	<u> </u>		ļ <u></u>	 	 		!						0		 			
27, 00	1,000	0	ő	1-0	0	0		7, 510, 000	0	0	7, 510, 000		2, 350, 000		0	2, 350, 000	0	C
28.00	1,000	0	0		0		8, 400	8, 570, 000	0	0	8, \$70, 000				0	2, 450, 000 2, 500, 000	0	0
29.00	1,000	0	0	0	0	0		8, 380, 000 7, 635, 000	0	0	7, 835, 000		2, 500, 000 2, 450, 000			2, 450, 000	0	
30.00	1,000	0	-		0	0	7, 250	6, 595, 000	ő	-		2, 400	2, 375, 000			2, 375, 000	0	Ō
32.00	1,000	0	Ö	Ö	0	Ō	5, 940	6, 275, 000	0	0	6, 275, 000	2, 350	2, 175, 000	0		2, 375, 000	0	0
33,00	1,000	9	0	0	0	0		5, 965, 000 5, 290, 000	0	0	5, 965, 000 5, 290, 000		2, 350, 000 2, 325, 000			2, 350, 000 2, 325, 000	0	
34.00		0	0					6, 430, 000	0	ŏ	6, 430, 900	2, 350	2, 375, 000			2, 375, 000	Ō	Ť
	1,000	0	0		Ö		7, 600	5, 415, 000	. 0	0	5, 915, 000	2, 400	3, 155, 000	0	0	3, 155, 000	0	0
37.00	1,000	0	0					5, 550, 000	0	0	5, \$50, 000 6, 580, 000					4,080,000	0	}
38.00		0	Ů	0	0	0		6, 580, 000 9, 280, 000	0	0	9, 280, 000					3, \$95, 000	- 0	
40.00	1,000	ő	Ö	Ö		Ö		12, 170, 000	Č	·····ŏ	12, 170, 990	2, 380	2, 450, 000	0		2, 450, 000	0	0
41.00	1,000	Ô	3, 185, 000	Ö	0		12,070	11,080,000	0	0			2, 135, 000	0		2, 135, 000	0	0
42,00	0	6 210	5 010 600	0		5 010 000		2,500,000	0	0		2,310				2,030,000	0	
42.00 43.00	1,000	6, 370 5, 450	5, 910, 000	0	0	5, 910, 000 0	2,500	,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0	0	0	1,759	9			0	0	0
43.00	1,000	5, 150	2, 725, 000	Ō	0	2, 725, 000	9, 170	8, 995, 000	0			2, 310	2, 955, 000			2, 955, 000	Ō	0
44.00	1,000	0	0	0		0	8, 820	14, 560, 000	.0	0						4, 275, 000 13, 175, 000	0	0
45.00 46.00	1,000	0	27, 985, 000				20, 300	14, 560, 000 41, 170, 000	0			21, 400	13, 175, 600 11, 265, 000			11, 265, 000	0	-
47,00		55, 930	52, 715, 000	- 0		52, 715, 000	0		0	0	31,020,000	1, 130	1, 990, 000	. 0	0	1, 990, 000	0	0
48.00	1,000	49, 500	44, 430, 000	Ô	. 0	44, 430, 000	0	0	. 0	0						\$, 145, 000		0
49.60		39, 350	27, 950, 000 0	0		27, \$50,000	23, 100	0	- 0	0		7, 440 5, 390				4, 910, 000	1 0	11
50.00 50.00	1,000	16, 540 16, 540				15,000,000	10, 200	16, 650, 000	0		16, 650, 000	2, 380	2, 380, 000	0	0		0	0
51.00	1,000	13, 480	6, 700, 000	G	. 0	6, 730, 800	20, 770	15, 485, 000	0	0	15, 485, 000	2, 380	4, 590, 000			1		
52,00		0	0	0			29, 840	25, 305, 000	- 0 0	0		3,600	5, 600, 000			5, 500, 000	0	
53.00 Sun. 3		0	185, 610, 600			186, 610, 000	10, 780	283, 470, 000		 "	1		101, 010, 500			101, 010, 000		0
	20,000		102, 310, 000	<u> </u>	1							1						
		[ļ		I	<u> </u>	ho 444	10 845 000	 		10 000 000	E enn	5, 050, 000	 	0	6, 050, DO	0	<u> </u>
53.00 54.00		0	0 0	<u>-</u>	1		20, 340 9, 310	19, 825, 000 14, 510, 000	0		*******	6,500	5, 600, 000				<u>"</u>	
55.00		0					9,710	12, 785, 000			12, 785, 000	4, 700	4, 950, 000			4, 950, 000	Ō	
55.00	1.000	0	0	0	0	0	15, 850	15, 865, 000	0	0		5, 200	5, 0\$0, 000	0				
57.00				0	0		15, 870	17, 590, 000	0	0	17, 690, 000	4, 900	5, 475, 000	1 0	0	5, 475, 000] 0	0

			•		:			1			100		1.00					
\$8,00	0	0	0	0	0	0	9, 510	0	0	0		6,050	0	Q	0	0	0	0
Sura. 4	5,000		0		0	0		80, 875, 000		0	80, 675, 000		27, 125, 000		0	27, 125, 000		0
											5 .							
58,00	3,000	0	0	0	0	0	9,510	36, 675, 000	ß	7, 410, 000	29, 265, 000		10, 215, 000	0	1, 140, 000	9, 075, 000	. 0	1, 140, 000
61.00	9,000	0	0	0	0	0	4, 940	25, 110, 000	4, 940	25, 110, 000		760	6, 615, 000	760	6, 615, 000	0	760	6, 615, 000
70.00	13, 700	0	0	0	0	0	640	4, 384, 000	640	4, 384, 900	0	710	4, 863, 500	710	4, 850, 500	0	710	4, 853, 500
83. 70	0	0	0	0	0	0	0	0	. 0	. 0	0	0	0	0	0	0	0	.0
Sun. 5	25, 700		0		0	<u> </u>		66, 169, 000		36, 904, 000	29, 265, 000		21, 693, 500		12, 518, 500	9, 075, 000		12, 618, 500
						l	·					L						l
S-13																		II
										l								
Sup. 1	3, 500		8, 550, 000	L	3, 325, 000			5, 100, 000		3, 780, 000	1, 320, 000		2, 192, 500		1, 312, 500	889, 000		1, 112, 500
Sten. 2	28,000		252, 475, 000	L		252, 475, 000	· . ·	191, 170, 000		0	191, 170, 000		78, 925, 600		0	78, 925, 000		0
Sun 3	26,000		185, 610, 900	<u> </u>	0	186, \$10,000	<u> </u>	283, 470, 000		0	283, 470, 000		101,010,000			01,010,000	<u> </u>	0
Ser. 4	5,000	i	0		0	0	!	89, 675, 000		0	80, 675, 000		27, 125, 000			27, 125, 000		0
	25, 700	<u> </u>	0		0	0	1	66, 169, 000		35, 904, 000	29, 265, 000	ļ	21, 693, 500	<u> </u>	12, 618, 500	9, 075, 000		12, 618, 500
	85, 200		447, 635, 000			144, 310, 000		626, 584, 000	L.,,,,	40, 684, 000	585,900,000		230, 946, 000		1 13, 931, 000	217,015,000		13, 931, 600
station	Dis	l		Rard Ro					Soft F			I		Earth			Mad	
No.	(•)	М	Ÿo	Fet Al	Wet Vi	Dry V2	<u>ko</u>	Yo	Fet Ai	Vet VI	Dry V2	<u> </u>) Yo	let Al	Wel VI	Dry Y2	lo_	Yo

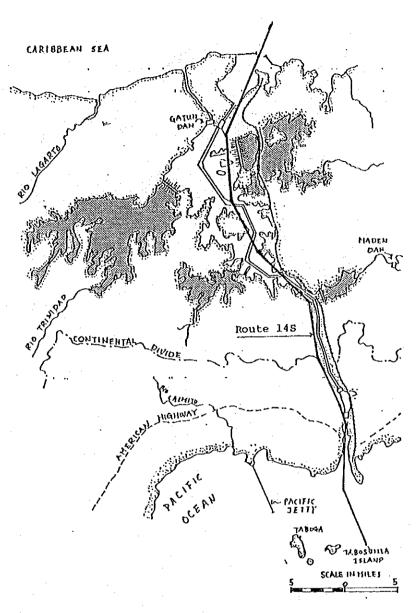
Total Excavation Vol.	1, 319, 096, 000
DRY	1, 247, 225, 000
TET	71, 871, 000

S-14		S	-14	Ca	ılcula	ation	Tabı	e or r	XCc	ivacioi	1 AOTOR	ic:						
station	Dis			Hard R					Soft ik	xk Vet Vi	Dry Y2			Earth	- C UI 1	Dry V2	Mad Ao	- Va
-2, 85	2,850	10 0	3, 676, 500		Tet V1 3, 676, 500	Dry Y2	AO 0	1 619 500	Ð	3, 619, 500	717 72	<i>A</i> o	Yo 1, 239, 750	et Al	1, 239, 750	. 01	0	1, 239, 750
0.00	1,000	2, 580	8, 260, 000	2,580	1, 290, 000		2, 540	2, 830, 000	2,540	1, 270, 000	1,560,000	870	1, 475, 000	870	435, 000	1,040,000	870	435, 000
1,00 Sua 1	3, 850	13, 940	11, 936, 500	- 0	4, 966, 500	6, 970, 000	3, 120	6, 449, 500	- u	4, 889, 500	1,550,000	2,080	2, 714, 750		1, 674, 750	1,040,000		1, 674, 750
34.1	B1 030		11, 130, 000		1, 101, 000	<u> </u>											=	
1,00	1,000	3 9 (0	15, 650, 000	0		15, 650, 000	3, 120	3, 120, 000	0		3, 120, 000	2, 080	2, 080, 000			2, 080, 000	0	0
2.00	1,000		17, 575, 000	0	0	17, 575, 000	3, 120	3, 150, 000	Ď	0	3, 150, 000	2, 080	2, 100, 000	0	0	2, 100, 000	0	0
3.00	1,000		22, 080, 000	0		22, 080, 000	3, 180 3, 180	3, 180, 000 3, 650, 000	0 D	. 0	3, 180, 000 3, 660, 000		2, 120, 000 2, 440, 000	0	<u>V</u>	2, 120, 000 2, 440, 000	-0	<u>0</u>
4.60 5.00	1,000 1,000	52, 680	39, 525, 000 44, 566, 000	0		39, 525, 000 44, 660, 000	4, 140	3, 870, 000	Ō	ő	3, 870, 000	2,760	2, 580, 000	0	0	2, 580, 000	0	Ö
6.00	1,000	16, 640	34, 020, 000	0		34, 020, 000	3, 500	3, 510, 000 3, 180, 000	0	0	3, 510, 000 3, 160, 000		2, 350, 000 2, 140, 000	0	0	2, 360, 000 2, 140, 000	0	0
7.00	1,000		20, 205, 000 12, 130, 000	0		20, 205, 000 12, 130, 000	3, 120 2, 310	3, 030, 000	0	0	3, 930, 000	, 960	2,020,000	0		2, 020, 000	0	0
9.00	1,000	15, 250	15, 070, 000	0	0	15,070,000	3, 120	3, 390, 000	0	0	3, 390, 000		2, 260, 000	0	0	2, 260, 000 2, 360, 000	0	0
10.00 11.00	1,000	14, 890 21, 070	17, 980, 000 15, 865, 000	0	0	17, 980, 000 15, 865, 000	3, 660 3, 420	3,540,000	0		3, 540, 000 3, 210, 000		2, 360, 000 2, 140, 000	0		2, 140, 000	0	0
12.00	1,000	0,660	5, 330, 000	0	0	5, 330, 000	3, 000	11, 920, 000	Ö	0	11, 920, 000	2,000	2,140,000	0		2, 140, 000	0	0
13.00	1,000 1,000	15, 750 21, 500	18, 625, 000 20, 380, 000	0	0	18, 525, 000 20, 380, 000	3, 420	3, 360, 000 3, 240, 000	0	0	3, 360, 000 3, 240, 600		2, 240, 000 2, 160, 000	- 8		2, 240, 000 2, 160, 000	0	0
14.00		9, 260	\$, 630, 000	ŏ	0	9, 630, 000	3, 180	9, 770, 000	0	0	9, 770, 000	2, 120	3, 760, 000	0	0	3, 760, 000	-0	0
16,00		0	0	0	0		20, 840	21, 905, 000 19, 875, 000	0	0	21, 905, 000 19, 875, 000		5, 550, 000 5, 500, 000	0	- 0	5, 550, 000 5, 500, 000	0	
17.00	1,000	0	0	0	ő	0	16, 780	16, 570, 000	0	Ö	16, 570, 000	300	5, 050, 000	0	0	5, 050, 000	ō	0
19.00	1,000	Ō	0	0	0	0	16, 350 11, 030	13, 695, 000 10, 975, 000	0	0	13, 695, 000 10, 975, 000		4, 750, 000 4, 700, 000	0	0	4, 750, 000	0	0
21.00	1,000 1,000	0	0	0	ŏ	Û	10, 920	11, 585, 000	0	ō	11, 565, 000	1, 700	4, 750, 000	0	0	4, 750, 000	Ö	0
22.00	1,000	Ō	0	0	0			16, 215, 000 19, 760, 000	0	0	18, 215, 000 19, 750, 000	4, 800 5, 000	4, 900, 000 5, 050, 000	- 0	0	4, 960, 000 5, 050, 000	0	0
	1,000	0	0	0	0			20, 885, 000	0	ől	20, 885, 000	5, 10û	4, 450, 000	0	0	4, 450, 000	0	0
25.00	1,000	0	0	0	0	Ð	21,040	16, 625, 000	0	0	15, 625, 000		4, 400, 600 4, 950, 600	0	- 0	4, 400, 000	0	0
26.00 27.00	1,000	0	0	0	0	0	17, 220	14,715,000	0		14, 715, 000 0	1, 900	0	0	0	0	ő	Ŏ
Sun 2			308, 725, 000			308, 725, 000		247, 915, 000		0	247, 915, 000		88, 950, 000		0	88, 950, 000		0
													0					
27.00	1,000	-0	0		0	0	8, 280	9, 275, 000	9	0			2, 850, 000	0	0	2, 850, 000 2, 750, 000	0	0
28.00 29.00	1,000	0	0	0	0		10, 270 10, 830	19, 550, 000 10, 450, 000	O O	0	10, 550, 000 10, 450, 000			0			- 5	0
30.00	1,000	č	0	0	0	0	10,070	9, 610, 000	0	0	9, 810, 000	2,800	2, 750, 000	Ö		2, 750, 000	0	0
31.00	1,000	0	0		0	0	9, 150 7, 430	8, 290, 000 8, 015, 000	0	0	8, 250, 100 8, 015, 000		2, 650, 000 2, 650, 600	0		2, 650, 000 2, 650, 000		Q.
32.00 33.00	1,000	0	<u>0</u>		Ö	0	8,600	7, 785, 000	0	Q Q	7, 785, 000	2, 700	2, 650, 000	0	Ö	2, 650, 000	0	Ŏ
34.00	1,000	0	0		0	0	8, 970 8, 830	6, 900, 000 8, 100, 000	0	8	6, 900, 600 8, 100, 000		2, 600, 000 2, 650, 000	0	0	2, 600, 000 2, 650, 000	0	- V
35.00 36.00	1,000	0	0		0	0	9, 370	7, 460, 000	0	0	7, 480, 000	2, 700	3, 560, 000	0	0	3, 566, 000	0	0
37.00	1,000	0	0	0	8	Ō	5, 550	7, 110, 000	0	0	7, 110, 000 8, 245, 000			0	-0	4, 590, 000 5, 530, 000	0	0
38.00	1,000	0	0		0	0	8, 670 7, 820	8, 245, 000 11, 345, 000	0	0	11, 345, 000	, 300	4, 535, 000	0	ő	1, 535, 000	0	0
40.00	1,000	Ō	. 0	0	Ō	0	14, 870	14, 545, 000	0	0			2, 785, 000 2, 380, 000	0	<u>0</u>	2, 785, 000 2, 380, 000	0	<u>0</u>
41,00 42,00	1,000	0	4, 115, 000 D	0	0	4, 115, 000 0	14, 220 12, 180	13, 200, 000	0	- 0	13, 200, 000	2, 550	2, 380, 000	0	ő	0	0	ő
42.00			4, 115, 000	0	0	4, 115, 000	2, 800	8, 375, 000	0	0	\$, 375, 000		2, 345, 000	0	0	2, 345, 000	0	0
43.00	1 000	7, 230	3, 815, 000	9	0	3, 615, 000		7, 360, 000	0	0	7, 389, 000	1, 930 2, 730	3, 340, 000	0	- 0	3, 340, 000	Ö	0
43.00	1,000	1, 230	3, 813, 000 O	0	Ö	0	10, 820	17, 125, 000	0	0	17, 125, 000	950	4, 405, 000	0	0	4, 405, 000	0	0
45.00	1,000	0	0		0			17, 125, 000 45, 020, 000	0	0			12, 960, 000 15, 880, 000	0	0	12, 960, 000 15, 880, 000	0	0
46.00 47.00		0	0		0	0	61.160	63, 885, 000	0	0	63, 885, 000	*****	6, 850, 000	0	0	6, 850, 000	0	0
48.00	1,000	0	0		0			57, 410, 000 48, 470, 000	0	0	57, 410, 000 48, 470, 000		5, 420, 000 5, 215, 000	0	0	5, 420, 000 5, 215, 000	- 0	. 0
49.00 50.00	1,000	0	0	0	0		42, 830	Ō	Ď	0		5, 670	0	0	0	0	0	Ü
50.00	1,000	0	0		Ō	0	27, 520	35, 175, 000 26, 016, 500	0		35, 175, 000		2, 625,000 5, 280, 000	0	0	2, 625, 000 5, 280, 000	0	0
	1,000	0	0		0			28, 746, 500	ő	Ö	28, 746, 500	7, 900	5, 900, 000	č	0	5, 900, GOO	Ü	0
53.00	0	0	0		0		12, 870	0 493, 588, 000	6	0	493, 588, 000	5, 500	117, 750, 000	0	0	117, 750, 000	0	0
Suz. 3	26, 600	 	11, 845, 000	1.	· · · · · ·	11, 845, 000		433, 366, 000		V	410, 300, 000		11,700,000					
		—		Ţ			97 700	25, 930, 000	0	0	25, 930, 000	200	6, 650, 000	0	· ·	6, 650, 000	0	0
\$3.00 \$4.00		0			0		24, 080	18, 680, 000	. 0	Ö	18, 580, 000	100	5 , 250, 000	0	. 0	6, 250, 000	0	Ó
55.00	1,000	0	.0	0	0	0	13, 280	16, 630, 000	Ō	0	18, 580, 000 15, 530, 000	5,400	5, 600, 000	0	0	5, 600, 000 5, 650, 000		O O
	1,000				0		19, 980 19, 650	19, 815, 000 22, 245, 000	0	0	19, 815, 000 22, 245, 000			0	9	6, 100, 000	0	0
58.00	Û	0	0	0	. 0	0	24, 840	0	Ŏ	0	0		_0	Đ	. 0		0	0
Sum 4	5,000		0	-	0	0		103, 300, 000	 	0	103, 300, 000	\vdash	30, 250, 000	\vdash		30, 430, 000		U
<u> </u>		<u> </u>		1	<u> </u>			72		10	07 000 XAT		11 470 400		7 440 444	10, 050, 000	Č	1, 320, 000
58.00					0		24, 840 7, 140	47, 970, 000 41, 535, 000		10, 710, 600	37, 260, 000 0		11, 370, 000 7, 695, 000	889	7, 895, 000	0	880	7, 895, 000
	9,000 15,790			0	. 0	0	z. 090	16, 406, 500	2,090	16, 406, 500	0	830	Б, 515, 500	830	6, 515, 500	0	830	5, 515, 500
85.70	0	0	0	0			0	0 105, 911, 500	0	68, 651, 500	37, 260, 000	0	25, 580, 500	C	0 15, 530, 500	10, 050, 000		15, 530, 500
Sum 5	27,700	-	0	+	u			103, 311, 300		90, 931, 400	9,1 EWG WU	1	54, 455, 460					
S-14		1		1			ļ			· · · · · · · · · · · · · · · · · · ·						ļ	 	
Sus 1	3, 850	-	11, 935, 500	1-	4, 968, 500	6, 970, 000		6, 449, 500		4, 889, 500	1, 560, 000		2, 714, 750			1, 040, 000		1, 674, 750
Sun 2	26,000 26,000		308, 725, 000		0	008, 725, 000	1.	247, 915, 000		. 0	247, 915, 000		88, 950, 000			88, 950, 000 117, 750, 000		0
Sun 3	26, 000 5, 000		11,845,000		0	11, 845, 000	 - 	193, 588, 000 103, 300, 000	 	0		1	30, 250, 000		Ö	30, 250, 900		0
	27, 700		G		0	0		105, 911, 500		58, 551, 500	37, 260, 000		25, 580, 500		15, 530, 500	10, 050, 000 248, 040, 000		15, 530, 500 17, 205, 250
Total			332, 506, 500			327, 540, 000	 	957, 164, 000	Soft i	73, \$41, 000	883, 623, 000	ļ	265, 245, 250	Earth	17, 203, 250	£45, 040, 000	Had	11,407, 630
station				Hard					37/1	100,0					Vet VI	Dry V2	Ao.	Yo

| Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Receive | Rece

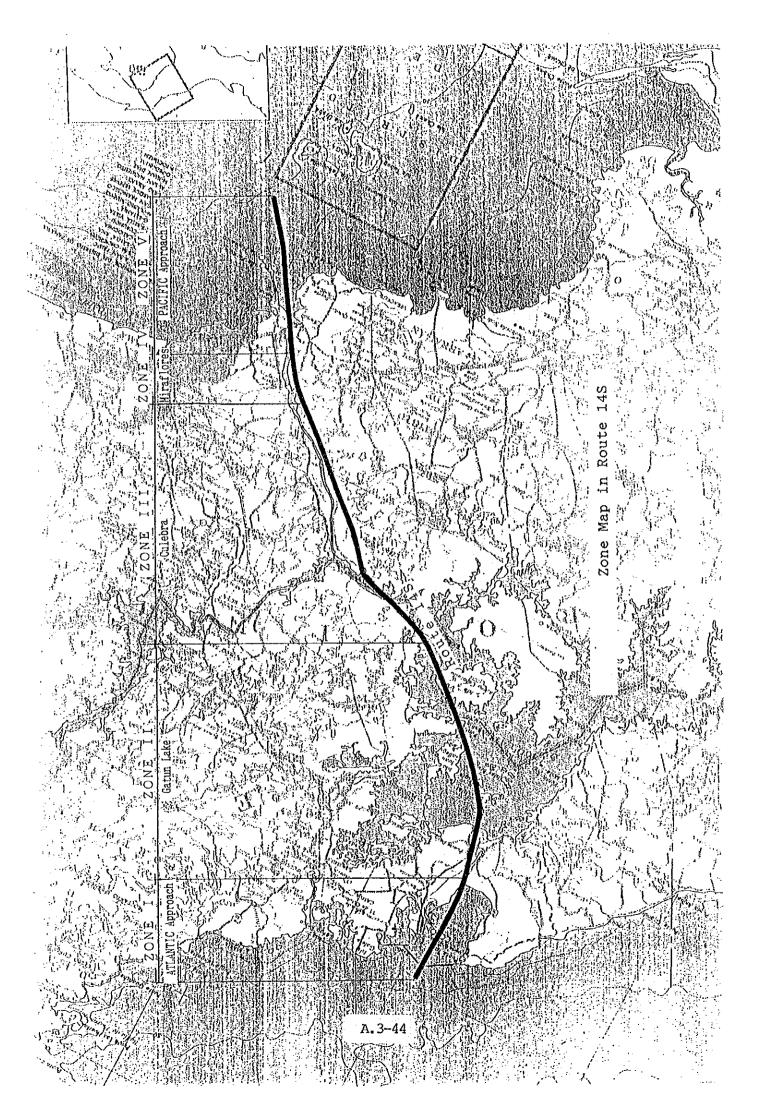
S-15	5	-T2	C	atcuta	tion '	rabı	e or i	ĿХС	ivatio	n vora	me						1. 3
)is			Hard Rock Wet VI	No. 199	121	V6	Soft R	xck Wet VI	Dry V2	ю	Vo 1	Earth (c) Al	Wet VI	Dry V2	Ao I	Yo
-2.90 2	(a) Ao 2 900 0	6, 235, 000	ret At O	6, 235, 000	Dry V2	Ao 0	3, 915, 000	0	3, 915, 000 1, 350, 000		0	1, 334, 000	- 0	1, 334, 000	. 0	0	1, 334, 000
0.00 1 1.00	0 14, 990	9, 645, 000	4, 300 0	2, 150, 000		2,700 3,300	3,000,000	2,700	1, 350, 000	1, \$50, <u>000</u> 0	920 2, 200	1, 560, 000 0	920 0	160,000 0	1, 100, 000 0	920 0	450, 000 0
	900	15, 880, 000	0	8, 385, 000			8, 915, 000		5, 265, 600	1, 650, 000		2, 894, 000		1, 794, 000	1, 100, 000		1, 794, 000
	1,000 14,990 1,000 19,930	17, 460, 000 19, 565, 000	0		17, 460, 000		3, 270, 000	0	0	3, 270, 000		2, 180, 000 2, 180, 000	0	0	2, 180, 000 2, 180, 000	0	0
3.00	1,000 19,200	23, 395, 000	9	0	23, 395, 000	3, 300	3, 300, 000	0	0	3, 300, 900	2, 200	2, 200, 000	0	0	2, 200, 000	0	0
	1,000 27,590 1,000 55,910	41, 750, 000 47, 685, 000	0		41, 750, 000 47, 665, 000		3, 780, 000 3, 990, 000	0	- 0	3, 890, 000	2,840	2, 520, 000 2, 650, 000	0	0	2, 560, 000	0	0
8.00	1,000 09,420	36, 255, 000	0	0	36, 255, 000 21, 370, 000	3, 720	3, 590, 000 3, 390, 000	0	9	3, 690, 000 3, 390, 000		2, 460, 000 2, 260, 000	0	0	2, 450, 000 2, 260, 000	0	0
8.00	1,000 13,090 1,000 9,650	13, 270, 000	0	0	13, 270, 000	3, 120	3, 210, 000	0	0	3, 210, 000	2,080	2, 140, 000	0	0	2, 140, 000	Ò	0
9,00	1,000 16,890 1,000 16,460	16, 925, 000 19, 895, 000	0	0	16, 925, 000 19, 895, 000	4.070	3, 660, 000 3, 840, 000	0	0			2, 440, 000 2, 560, 000	0		2, 440, 000 2, 560, 000	0	0
11.00	1,000 22,830	17, 415, 600	Ô	0	17, 415, 000	3,660	3, 390, 000	0	Ů	3, 390, 000	2, 440	2, 260, 000	0		2, 260, 000	Ô	0
	1,000 12,000 1,000 17,340	14,670,000 19,765,000	0		14, 670, 600		3, 360, 000 3, \$40, 000	0	. D	3, 540, 000	2,400	2, 240, 000 2, 360, 000	0	0	2, 360, 000	0	ŏ
14.00	1,000 22,190	21, 460, 000 10, 365, 000	0	0	21, 460, 000 10, 365, 000	3, 480	3, 390, 000 12, 825, 000	- 0	0	3, 390, 000 12, 825, 000		2, 260, 000 3, 900, 000	0	0	2, 260, 000 3, 900, 000	0	0
16.00	1,000	0	0	0	0	22, 350	23, 670, 000	0	0	23, 570, 000	5, 600	5, 750, 000	- 0	0	5, 750, 000	0	Ö
17.00 18.00	1,000 0 1,000 0	0	0	0			21, 690, 000 18, 027, 500	0	0	21, 690, 690 18, 027, 500	5, 600	5, 300, 000	0 D	0	5, 300, 000	0	0
19.00	1,000 0	0	0	0	0	17, 865	14, 782, 500 11, 755, 000	0	0	14, 782, 500 11, 755, 000	5,000 5,000	5,000,000	0		5, 000, 000 5, 000, 000	0	<u>0</u>
	1.000 0 1.000 0	0	0	Û	0	11,510	13, 075, 000	0	Ö	13, 075, 000	5,000	5,000,000	Ō	0	5, 000, 000	0	- ŏ
	1,000 0 1,000 0	0	0	0 B		14, 540 20. 070	17, 305, 000 21, 288, 000	0	0	17, 305, 000 21, 280, 000		5, 100, 000 5, 250, 000	0	0		0	0
24.00	1,000 0	0	0	0	0	22, 490	21, 720, 000	0	0	21, 720, 000 17, 250, 000	5, 300	5, 300, 000 5, 250, 000	0	0		0	0
	1,000 0 1,000 0	0	0	0	0	13, 550	17, 250, 000 15, 965, 000	0	Ô	15, 965, 000	5, 200	5, 200, 000	0	0	5, 200, 000	Ō	Ō
27.00 Sun. 2 2	0 0	341, 225, 000	. 0	0	0 341, 225, 000	18, 380	258, 425, 000	0	0	258, 425, 000	5, 200	94,520,000	0	0	94, 520, 000	0	0
SUR Z Z	0,000	341, 263, 000			711, 224, 000		230, 124,000			200, 120, 500							
27.00	1,000 0	0	- 0	0	0	9, 050	10, 630, 600	0	0	10, 030, 000	2, 700	2, 750, 000	0		2,750,000	. 0	
28.00	1,000 0	0	0	0		11,010 11,750	11, 385, 000 11, 325, 000	0	0	11, 385, 000			0		2, 850, 000 2, 900, 000	0	0
30.00	1,000 0	Ò	. 0	Ö	0	10, 890	10, 405, 000	0	0	10, 405, 000	2, 900	2,850,000	0	Ó	2, 850, 000	0	0
	1,000 0 1,000 0	0	0	0		9, 920 10, 020	9, 970, 000 9, 595, 000	0	0	9, 970, 000	2,800	2, 800, 000 2, 800, 000	0	0	2,800,000 2,800,000	0	0
33. ĐO	1.000 0	0	9	Ò	0	\$, 170	8, 335, 000	0	0	8, 335, 000	2, 800		0	0	2, 700, 000	0	0
34. DO 35. OO 3		0	0	0	0	7, 500 7, 560	7, 530, 000 8, 925, 000	0	0	8, 925, 000	2, 600	2, 700, 000	. 0	Ô	2, 760, 000	0	ŏ
	1,000 0 1,000 0	0	0	0		10, 290 6, 080	8, 185, 000 7, 830, 000	0	8	8, 185, <u>000</u>	2,800 4,680	3, 740, 000 4, 805, 000	0		3, 740, 000 4, 805, 000	0	0
38.00 1	1,000 0	0	0	0	0	9,580	8, 980, 000	. 0	Ō	8, 980, 000	4, 930	5, 695, 000	0		5, 895, 000 4, 665, 000	0	0
39.00 I	1,000 0	0	0	0		8, 389 15, 400	11, 890, 000 15, 370, 000	0	0	11, 890, 000 15, 370, 000	2,870	2, 835, 000	Ö	0	2, 835, 000	0	
41.00 1 42.00	0 0	0	0	0		15, 340 23, 140	14, 240, 000	0	0	14, 240, 000	2, 800	2, 765, 000 0	- 0	D D	2, 765, 000	0	0
42,00	1,000 7,230	7, 615, 000	0	0	7, \$15,000	3, 900	3, 400, 000	0	0	3, 400, 000	2,730		0	0	2, 660, 000	. 0	0
43.00 43.00	0 8,000	0	0	0		2, 900 2, 410	12, 165, 000	0	9	12, 165, 000		3, 345, 000	0	0		0	0
44.00	1,000 0	0	0	0		11, 920 24, 780	18, 350, 000 18, 350, 000	0	0	18, 350, 000 18, 350, 000		4, 480, 000	0		4, 480, 000 13, 430, 000	0	0
46.00	1,000 0 1,000 0	31, 510, 600	0	0	31, 810, 000	68, 760	48, 770, 000	0	0	46 770 000	<u> 7000 cd</u>	16 850 000	0	0	16, 850, 000	. 0	0
	1,000 53,220 1,000 55,940		0		59, 580, 000 50, 880, 000	0	34, 380, 000	0	0	34, 380, 000 0	31,700 3,000	7, 350, 000 5, 500, 000	0	0	7, 350, 000 5, 500, 000	0	- 0
49.00	1,000 45,820	33, 315, 000	0		33, 315, 000	24, 300	0	0	0	0	8,000 5,670		0	0	5, 330, 000	0	0
	0 20, 810 1, 000 17, 580		0	0	8,840,000	1,400	17, 850, 000	0	0	17, 850, 600	2, 560	8, 555, 000	0	0	8, 555, 000	0	Q
\$1.00 \$2.00			0	0			22, 755, 000 34, 480, 000	- 8	0	22, 755, 900 34, 480, 000	8,000	11, 225, 000 6, 050, 000	0		11, 225, 000 6, 050, 000	0	0
53.00	0 0	0	Ŏ	0	Ō	3, 760	Ó	Ō	0	0 362, 495, 000	4, 100	0 134, 230, 000	. 0	- 0		0	0
Sun. 3 2	5,000	191, 840, 000		9	91, 840, 000		162, 435, 000	<u> </u>		302, 433, 000	t	134, 230, 000			134, 230, 000		
	-1					$\vdash \neg$					ļ		 		-		
	1,000 0	0	0	0		26, 940		0	0	26, 455, 000	6, 500	\$, 900, 600	9	0		8	0
54.00 55.00	1,000 0 1,000 0		0	0	0	25, 970 15, 110	18, 420, 000	0	0	18, 420, 000	5, 600	5, 450, 000 5, 850, 000	0	0	5, 850, 000		0
56.00	1,000 0	0	D		0	21, 730		0	0	21, 580, 000 24, 255, 000	6, 100 5 800	5, 950, 000 8 400 000	0	0		0	0
57.00 58.00	0 0		0			27, 080		ő		l	7,000	<u> </u>	0		1	0	
Sun. 4	5,000	0	 	0	0	1	111, 250, 000	 	- 0	111, 250, 000	1	31, 550, 000		0.	31, 550, 000		0
						<u> </u>		<u> </u>			 		<u> </u>				
<u> </u>		<u> </u>	<u> </u>										<u> </u>				
58.00 61.00	3,000 0 9,000 0	0	0		0	27, 080 8, 100	52, 770, 000 48, 800, 000		12, 150, 000 48, 600, 000	40, 520, 000 0	7,000 930	11, 895, 000 8, 190, 000		1, 395, 000 8, 190, 000	10,500,000		1, 395, 000 8, 190, 000
70.00	6,400 0	_0	0	0	0	2,700	22, 140, 000	2,700	22, 140, 000	0	890	7, 298, 000	890	7, 298, 000	0	890	7, 298, 000
86. 40 Sum 5 2	0 0	0		0	0	0	0 123, 510, 000	0	82, 890, 000	40, 620, 600		27, 383, 000	0	8 15, 883, 000	10,500,000		0 16, 883, 000
			1			1		1	THE REAL PROPERTY AND ADDRESS OF THE PERTY		 		 				
S-15		1	-				200	上一			<u>t </u>						
Son 1 Sun 2 2	3, 900	15, 880, 000 341, 225, 000	<u> </u>	8, 385, 000	7, 495, 000 341, 225, 000	ļ	\$, 915, 000 258, 425, 000	ļ	5, 265, 000	1, 650, 000 258, 425, 000		2, 894, 000 94, 520, 000		1, 794, 000	1, 100, 000 94, 520, 000		1,794,090
Sus. 3 2	6,000	191, 840, 000		0	191, 840, 000		362, 495, 000		0	352, 495, 000		134, 230, 000		0	134, 230, 000		0
Sun. 4 Sun. 5	5,000 8,400	0		0	0		111, 250, 000 121, 510, 000	├		111, 259, 000 40, 620, 000		31, 550, 000 27, 383, 000		0 16, 883, 000	10,500,000	1	0 15, 883, 000
Total (69. 300	548, 945, 000		8, 385, 000	540, 560, 000		862, 595, 000		88, 155, 000	774, 440, 000		290, 577, 000	<u> </u>		271, 900, 000	Mad	18, 677, 000
itation No.	Dis (e) Ao	Vo	llard Fet Al	Hock Wet Vi	Dry V2	ko	Yo	Soft i	Wet VI	Dry ¥2	lo.	Yo	Farth Fet Al	Vet YI	Dry V2	Ao Ao	Yo

Toatal Excavation	Vol. 1, 720, 794, 000	₽3
DRY	1, 586, 300, 000	≥3
W. C.	145 454 500	-4



Study Case	Route	W. Level	No. of Lifts	No. of Lanes	Ship Size (1000 DWT)	Canal Size (m)
S-7	145	0		1	150	147 x 20.9
8	14S	ŏ	 .	2	150	343 x 20.9
9	14S	Ŏ	-	1	250	171 x 24.2
10	14S	0		2	250	399 x 24.2
11	14S	0	-	1	300	183×25.3
12	14S	0	-	2	300	424 x 25.3
16	14S	0	-	50%-1	150	147 x 20.9
				50%-2	•	343×20.9
17	14S	0	- .	50%-1	250	171 x 24.2
-				50%-2	•	399 x 24.2
18	14S	. 0	_	50%-1	300	183 x 25.3
				50%-2		424 x 25.3

Layout of Sea Level Canal for Group D Study Cases (Route 14S)



S-7		Ð-	- 1	Cd.	rcurat	TOIL T	מטגע			Vacioi								
Statton No. -11.10	Dis (e) 8, 100	Ao D	Yo 0	Hard Ro let Al	ck Wet VI O	Dry V2	до 0	Yo 4, 900, 500	Solt Roc Wet Al	Wet VI 4, 900, 500	Dry V2	Ao B	Vo 1, 620, 000	farth Wet Al	Wet V1 1, 620, 000	Dry Y2	Nod No	Yo 1, 620, 000
-3, 00 1, 00 Sum 1	4,000 0 12,100	0 520	1, 040, 000 0 1, 040, 000	0 520	1,040,000 0 1,040,000	0 0 0	1,210	4, 820, 060 0 9, 720, 500	1, 200	4, 820, 000 0 9, 720, 500	0 0 0	110	1, 520, 000 0 3, 240, 000	400 410	1, \$20, 000 0 3, 240, 000	0 0 0	400 410	1, 620, 000 0 3, 240, 000
1.00 1.05 2.20	50 1,150 10	\$20 2,650 2,650	79, 250 3, 047, 500 26, 500	240 470 470	17, 750 540, 500 4, 700			\$1,500 1,449,000 12,600	190 260 260	11, 250 299, 000 2, 600	50, 250 1, 150, 000 10, 000	820 880 880	42,500 1,012,000 11,300	0	0 0 0	42, 500 1, 012, 000 11, 300	0 0 0	0 0
2.21 2.40 2.41		2, 650 2, 650 2, 650	\$03,500 26,500 1,563,500	470 470 470	89, 300 4, 700 277, 300	414, 200 21, 800 1, 286, 200	1, 260 1, 260 1, 260	239, 400 12, 600 743, 400	260 260 260	49, 400 2, 600 153, 400	190,000 10,000 590,000	1, 380 1, 380 880	267, 200 11, 300 519, 200	0	0	262, 200 11, 300 519, 200	0	0 0
3,00 \$,00 6,00	2,000 1,000 1,000	2,650 2,650 3,470	5, 300, 000 3, 050, 000 3, 675, 000	470 30	500,000 1,750,000 3,675,000	4, 800, 000 1, 310, 000 0	1,890	3, 150, 000 1, 530, 000 1, 225, 000	260 260 1, 170	\$20,000 715,000 1,225,000	2, 630, 000 815, 000 0	430	2, 200, 000 875, 000 430, 000	0 0 430	215, 000 430, 000	2, 200, 000 860, 000 0	0 0 430	215,000 430,000
7.00 8.00 3.00	1,000 1,000 1,000	3, 880 4, 570 2, 830	4, 225, 000 3, 700, 000 3, 590, 000	3, 880 4, 570	4, 225, 000 3, 700, 000 3, 590, 000	0	1,290	1, 285, 000 1, 170, 000 1, 170, 000	1,280 1,290 1,050	1, 285, 000 1, 170, 000 1, 170, 000	0 0	420	435, 000 430, 000 425, 000	430 440 420	435, 000 430, 000 425, 000	0 0 0	430 440 420	435,000 430,000 425,000
10,00 11,00 12,00	1,000	4, 350 3, 270 3, 900	3, 810, 000 3, 585, 000 3, 725, 000	4, 350 3, 270 3, 900	3, 810, 000 3, 585, 000 3, 725, 000	0	1, 290 1, 140 1, 260		1, 290 1, 140 1, 260	1, 215, 000 1, 200, 000 1, 245, 000	0	130 130 130	430,000 430,000 430,000	430 430 430	430,000 430,000 430,000	0 0	430 430 430 430	430, 000 430, 000 430, 000 435, 000
13, 00 14, 00 15, 60	1,000		3, 845, 000 4, 170, 000 8, 175, 000	4, 140	3, 845, 000 4, 170, 000 2, 100, 000	4, 075, 000	1,290 1,290	1, 380, 000	1,230 1,290 1,290	1, 260, 000 1, 290, 000 645, 000	735,000	440 440	435, 000 440, 000 890, 000	430 440 440	435, 000 440, 000 220, 000	470,000	440 440	440, 000 220, 000 0
15,00 17,00 18,00		11, 170 5, 930	9, 550, 000 8, 550, 000 4, 840, 000	5, 930	1, 135, 000 4, 100, 000 4, 810, 000	4, 450, 000 0	1, 470 1, 410 1, 350	1, 440, 000 1, 385, 000 1, 295, 000	210 1,360	105,000 785,000 1,295,000	1, 335, 000 600, 000 0	980 460	960, 000 720, 000 445, 000	120 460 430	60,000 290,000 445,000 505,000	900, 000 430, 000 0 190, 000	0 460 430	230, 000 445, 000 215, 000
19.00 20.00 21.00	1,000 1,000 1,000	3, 750 7, 020 4, 770	5, 385, 000 5, 895, 000 4, 435, 000	5, 520 4, 770	4, 635, 000 5, 145, 000 4, 435, 000	750, 000 0	1, 420 1, 290	1, 325, 000 1, 355, 000 1, 275, 000	1,230 910 1,290	1, 275, 000	255, 000 255, 000 0	960 440 430	595, 000 700, 000 435, 000 440, 000	580 440 430	510, 000 435, 000 440, 000	190, 000 6	0 440 430	220, 000 435, 000 450, 000
22, 00 23, 00 Sam. 2		4, 100 5, 860	4, 980, 000 0 97, 851, 750	4, 100 5, 860	4, 980, 000 0 68, 879, 250	0	1,300	1, 288, 000 0 28, 993, 500	1, 250 1, 300	1, 280, 000 0 20, 368, 250	0	450	13, 907, 500	450	7,005,000	6, 898, 500	470	ξ, 315, 000
23.00 24.00	1,000	5, 860 6, 090	5, 975, 000 6, 330, 000	5, 860 6, 090	5, 975, 000 5, 780, 600	559, 000	1, 380	1, 340, 000 1, 375, 000	1, 300 1, 380	1, 340, 000 1, 135, 000	0 240, 000	450 460	455, 000 685, 000	450 460	455, 000 510, 000	0 175,000	470 470	470, 000 235, 000
25.00 26.00 26.00	1,000	6,570 7,850	7, 210, 000	5, 470 4, 430	4, 950, 000 0	2, 260, 000	1,370 1,370 1,560	1, 370, 000 0 1, 620, 000	890 570 680	730,000 0 330,000			945, 000 0 1, 310, 000	390 820	475, 000 0 410, 000	470,000 0 900,000	0	0
27.00 28.00	1,000	12,670 15,030 13,390	13, 850, 000 14, 210, 000 9, 355, 000	0	0	13, 850, 000 14, 170, 000 6, 855, 000	1,680 1,860 2,010	1, 770, 000 1, 935, 000 1, 755, 000	0 0 0	0 750,000	1, 935, 000 1, 005, 000	1, 340 1, 390	1, 240, 000 1, 365, 000 \$45, 000	0	0 250,000	1, 240, 000 1, 365, 000 695, 000	0	0 0 255, 000
30.00 31.00 32.00	1,000	5, 340 6, 170 4, 810	5, 755, 000 5, 490, 000 4, 750, 000	4, 360	4, 850, 000 4, 585, 000 4, 705, 000	905, 000 905, 000 55, 000	1, 520 1, 380	1, 560, 000 1, 500, 000 1, 410, 000	1,500 950 1,380	1, 230, 600 1, 170, 000 1, 320, 000	330,000 330,000 90,000	960	810, 000 1, 040, 000 990, 000	500 620 960	550, 000 790, 000 900, 000 420, 000	250,000 250,000 90,000 725,000	\$10 0 0	255, 000 0 0
33.00 34.00 35.00	1,000 1,000 1,000	4,710 12,950 12,470	8, 830, 000 22, 710, 000 22, 400, 000	0	0	22, 710, 000 22, 400, 000	1, 830 2, 550	1, 535, 000 2, 190, 000 2, 325, 000	1, 260 0 0	Û	1, 005, 000 2, 190, 000 2, 325, 000 1, 935, 000	1, 270 1, 760	1, 145, 000 1, \$15, 000 1, 595, 000 1, 320, 000	840 0 0	920,000 0	1, 515, 000 1, 595, 000 1, 320, 009	0	0
35,00 37,00 38,00	1,000	2, 330 2, 190 19, 330	12, 260, 000 15, 760, 000 0	0	0	12, 260, 000 15, 760, 000 0	1,770 2,100	1, 935, 000 1, 935, 000 0 4, 020, 000	0 0	0 8	1, 935, 000 0	1, 210	1, 325, 000 0 2, 500, 000	0	0	1, 325, 000 0 2, 500, 000	0	0 0 0
38.00 39.00 40.00	1,000	22, 620 10, 260 19, 190	31, 440, 000 29, 725, 000 21, 780, 000	0	0	31, 440, 000 29, 725, 000 21, 780, 000 30, 110, 000	4, 740 3, 240	3, \$99, 000 3, 560, 000 4, 350, 000	0	0	3, 990, 000 3, 860, 000	3, 200 2, 740	2, 970, 000 2, 755, 000 2, 975, 000	0	0	2, 970, 000 2, 755, 000	0	0 0 0
41.00 42.00 43.00	1,000	24, 370 35, 850 37, 230	30, 110, 000 61, 540, 000 75, 075, 000	0	0	51, 540, 000 75, 075, 000 47, 125, 000	4, 620 8, 250	6, 435, 000	0	0	6, 435, 000	3, 180 5, 520	4, 350, 000 4, 770, 000	0	0	4, 350, 000 4, 770, 000	0	0 0 0
44.00 45.00 46.00	1,000	52, 920 01, 330 03, 850 12, 220	47, 125, 000 32, 590, 000 23, 035, 000 9, 990, 000	0	0	32, 590, 000 23, 035, 000 9, 990, 000	2, 100 4, 359	3, 275, 000 3, 270, 000	0	0	3, 225, 000 3, 270, 000 1, 995, 000	3, 020	2, 220, 000 2, 280, 000 1, 390, 000	0 0	0 0 0	2, 220, 000 2, 280, 000 1, 390, 000	0	0 0 0
47, 00 48, 00 49, 00 50, 00	1,000	7, 750 12, 350 14, 390	10, 055, 000 13, 370, 000	0	0	10, 055, 000 13, 378, 000	1,800	1, 875, 000	0	0	1, 875, 000	1, 240 1, 320	1, 280, 000 1, 360, 000 0	0	0 0 0	0	0	0 0 0
	27,000		\$51, <u>235, 000</u>			513, 098, 000		71, 585, 000			62, 950, 000	-	48, 255, 000			43, 485, 000		1, 215, 000
50.00 51.00 52.00	1,000	14, 930	14, £50, 000 9, 520, 000 3, 460, 000		0 1,910,000 2,460,000		1,460		0 0 1, 190	595, 000 970, 000	1, 850, 000 1, 005, 000 450, 000	1, 230	1, 125, 000 1, 010, 000	800	490, 000 520, 000	725, 000 390, 000	0	0
53.00 54.00 Sua. 4	1,000	2.810	2, 700, 000	9	550,000 0 4,920,000	2, 150, 000 0 25, 420, 000		1, 255, 000 0 6, 135, 000	750 0	375,000 0 1,940,000	880,000 0 4,195,000	860	930,000 0 4,380,000	Ō	220, 000 0 1, 240, 000			0 0
\$4.00	1,000		1, 915, 000		620, 090		1, 130	1, 165, 090	0	600,000 595,000	565, 000 8				220,000 410,000		0 450	225, 000 420, 000
55.00 56.00 57.00	1,000	0	620, 000 0 70, 000	0	\$20,000 0 70,000	0	1,200 790 580	995, 000 585, 000 700, 000 685, 000	1, 200 790 580 820	585, 000 700, 000 885, 000	0	380 360	370, 000 360, 000	380 350	370,000 360,600 360,600	0	390 380	385, 000 380, 000 380, 000
\$8.00 \$9.00 60.00	1,000 1,000	30 0	85, 000 15, 000 0	30 0		0 0 0	550 500 450	525,000 475,000 545,000	550 500 450	525, 000 475, 000 545, 000	0	360 360	360, 000 350, 000	360 360	360,000 350,000	0	380 380	380, 000 370, 000 375, 000
<u>61.00</u> <u>62.00</u> <u>63.00</u>	1,000 1,000	50 80	25, 000 65, 000 40, 000	50 80	\$5,000 40,000 0	0 0	640 650 450	645,000 \$50,000 420,000	640 650 450	645,000 550,000 420,000	0	380 380	380,000 370,000	380 180	380, 000 370, 000	0	390	390, 000 380, 000 365, 000
\$4.00 \$5.00 66.00 71.50	1,000 5,500	9	0 0 0	0	0	0 0	390 310	350,000 852,500 0	390 310	350, 000 852, 500 0	0	350 330	340,000 907,500	350 330	340,000 907,500 0	0	360 350 0	355, 000 962, 500 0
Sual S			2,835,000		1, 540, 000			8, 592, 500		8, 027, 500	565,000		5, \$72, 500		5, 142, 500	430,000		5, 387, 500
S-7			1, 040, 003		1, 040, 000	0		9, 720, 500		9, 720, 506			3, 240, 000		3, 240, 000			3, 240, 000
Siza. 2 Siza. 3	22.000 27.000		97, 851, 750 551, 235, 000 30, 340, 000		58, 879, 250 38, 137, 000 4, 920, 000	28, 972, 500 513, 098, 000 25, 420, 000		28, 993, 500 71, 585, 000 6, 135, 000		20, 358, 250 8, 635, 000 1, 940, 000	8, 625, 250 52, 950, 000 4, 195, 000)	13, 903, 500 48, 255, 000 4, 380, 000)	7, 005, 000 4, 770, 000 1, 240, 600	43, 485, 000 3, 140, 000		8, 315, 000 1, 215, 000 0
Sun. 5 TOtal	4,000 17,500 82,500		2, 835, 000 683, 301, 750		1, 540, 000 114, 516, 250	1, 295, 000 568, 785, 500	oxdot	8, 592, <u>500</u> 125, 026, 500		8,027,500 48,601,250	565, 000 76, 335, 250		5, 572, 500 75, 351, 000		5, 142, 500 21, 397, 500	430,000 53,953,500		5, 367, 500 16, 137, 500

 JOtal Excavation Vol.
 893, 816, 750

 Dry
 699, 074, 250

 Ret
 200, 742, 560

S-8		Ľ.	-8	.00	LLCULA	стоп та	MTC	OT IN	ΛCU!	VC(CTC*1	, , , , , , , ,							
Station No.	(a)	lo.	Vo	Hard Re		Dry V2	Ao	Yo	Soit R		Dey V2	Ao	Yo	Earth Wat Ai	Wet VI	Dry V2	Nad Ao	Vo
-11.10	8, 100	0	0	0	0		0	9, 841, 500		9, 841, 500	0	0	3, 199, 500	0 790	3, 199, 500	0	Ō	3, 199, 500
-3.00 1.00	4,000 0	0 1,030	2, 050, 000 0	1, 030	2,060,000 0	0	2, 430 2, 400	9, 660, 000 0	2, 100	9, 650, 000 O	Ó	790 820	3, 220, 000	820	3, 220, 000	ŏ	790 820	0
	12, 100		2,060,000		2, 060, 000	0		19, 501, 500		19, 501, 500	0		6, 419, 500		5, 419, 500	0		6, 419, 500
									412	A	160 600	1.618	\$F 050			#E 000		
1.00	1, 150	1, 030 5, 300	158, 250 6, 095, 000	470 950	35, 500 1, 092, 500	122,750 5,002,500	2, 400 2, 520	123,000 2,898,000	380 520	22, 500 598, 000	100, 500 2, 300, 000	1,640 1,760	85,000 2,024,000	0	0	85, 000 2, 024, 000	0	<u>0</u>
2, 20	10	5, 300	53,000	950	9, 500	43, 500	2, 520	25, 200	520	5, 200	20,000	1,760	22, 600 524, 400	0	0	22, 600 524, 400	0	0
2.21 2.40	190	5, 300 5, 300	1,007,000 53,000	950 950	180, 500 9, 500	826, 500 43, 500	2,520	478, 800 25, 200	520 520	\$8, 800 5, 200	380, 000 20, 000	2, 750	22, 600	0	0	22, 500	0	0
2.41	590	5, 300	3, 127, 000	950	560, 500	2, 566, 500	2, 520	5, 486, 800 5, 040, 000	520 520	306, 800	1, 180, 000 4, 000, 000	1,760 1,760	1, 038, 400 3, 520, 000	0	0	1, 038, 400 3, 520, 000	0	0
3.00 5.00	2,000 1,000	5, 300 5, 300	10, 600, 000 6, 340, 000	950 950	4, 165, 000	8, 700, 000 2, 175, 000	2, 520 2, 520	2, 445, 000	520	1, 445, 000		1, 760	1, 290, 000	0	410,000	880,000	0	410.000
6.00	1,000	7, 380	8, 005, 000 9, 125, 000	7, 380	8, 005, 000 9, 125, 000	0	2, 370 2, 460	2, 415, 000 2, 430, 000		2, 415, 000 2, 430, 000	9	820	825, 000 830, 000	820 830	825, 000 830, 000	0	820	825,000 830,000
7. 00 8. 00	1,000	8, 630 9, 620	7, 895, 000	9, 820	7, 895, 000	0	2,400	2, 320, 000	2, 400	2, 320, 000	0	830	795, 000	830	795, 000	0	830	825,000
9, 00 10, 00	1,000	6, 170 9, 530	7, 850, 000 8, 475, 000		7, 850, 000 8, 475, 000	0	2, 240 2, 430			2, 335, 000 2, 385, 000	0	760 830	795, 000 830, 000	760 830	795, 000 830, 000	0	820 830	825, 000 830, 000
11.00	1,000	7, 420	8, 130, 000	7, 420	8, 130, 000	0	2,340	2, 385, 000	2, 340	2, 385, 000	0	530	830,000	830	830,000	0	830	830,000
12.00 13.00	1,000	8, 840	8, 420, 000 7, 570, 000		8, 420, 000 7, 570, 000	0	2, 430 2, 400	2, 415, 000 2, 430, 000	2, 430 2, 400	2, 415, 000 2, 430, 000	0	830 830	830,000 830,000	839 830	830, 000 830, 000	0	830 830	830,000
14, 00	1,000	7, 140	8, 045, 000	7, 140	8, 045, 000 4, 475, 000	9, 770, 000	2,460	2,460,000	2,460	2, 430, 000 2, 450, 000 1, 230, 000	1 380 000	830 830	830, 000 1, 275, 000	830 830	830,000 415,000	0 000,003	830 830	830,000 415,000
15.00 16.00	1,000 1,000	8, \$50 19, \$40	14, 245, 000 19, 490, 000	0	4, 570, 000	14, 920, 000	2,760	2, 730, 000		455,000	2, 255, 000	1, 720	1, 730, 000	0	239,000	1, 500, 000	0	
17.00 18.00	1,000 1,000	19, 440 12, 200			10, 670, 000 10, 310, 000	5, 150, 000 N	2,700 2,480	2,590,000		1,705,000 2,470,000	885, 000 0	1,740 830	1, 285, 000 830, 000	460 830	645, 000 830, 000	640,000 0	830	415,600 830,600
19.00	1,000	8, 420	12, 390, 000	8, 420	8, 475, 000	3, 915, 000	2,460	2, 565, 000	2, 160	1, 980, 000	585,000	830	1, 315, 000	830	905, 000 905, 000	410,000 410,000	830 0	415,000 415,000
20.00 21.00	1,000	16, 360 7, 730	12, 045, 000 8, 475, 000	7,730	8, 130, 000 8, 475, 000	3, 915, 000 0		2, 565, 000 2, 460, 000	2, 460	1, 980, 000 2, 450, 000	585, 000 0	1, 800 830	1, 315, 000 830, 000	980 830	830,000	0	830	830,000
22.00	1,000	9, 220	10, 730, 000	9, 220	10, 730, 000			2, 475, 000 C	2, 460 2, 490	2, 475, 000 0	0	830 850	840,000	830 859	840,000	0	830 860	845,000
23.00 Sur. 2	22,000	12, 240	204, 453, 250	12, 240	0 147, 303, 000	57, 150, 250	2, 490	54, 552, 000	2, 190	39, 861, 500		930	25, 342, 000	0,70		11, 937, 000		12,030,000
				[-	<u> </u>			· · · ·		<u></u>				
23.00	1,000	12. 240			12, 625, 000			2, 495, 000		2, 495, 000	0	850	845, 000 1, 285, 000	850	845, 000 900, 000	385, 000	850 860	850,000 430,000
24.00 25.00	1,000	13,010 14,110	13, 560, 000 15, 095, 000	8, 510	10, 760, 000 8, 080, 000	2, 800, 000 7, 015, 000	2,500	2, 525, 000 2, 580, 000	1,470	1, 320, 000	540,000 1,240,000	840 1,730	1, 745, 000	840 980	870,000	875,000	0	0
26,00	0	15, 080	0	7, 650	3, 920, 000		2, 570	0	1, 170	0	2, 165, 000	1,760 1,880	1, \$00, 000	780 820	410,000	1, 490, 000	0	0
26.00 27.00	1,000	15, 580 20, 990	18, 785, 000 24, 875, 000	0	Ò	24, 875, 000	2,800	2, \$90, 000	. 0	0	2, 990, 000	1, 920	2, 040, 000	0	0	2, 040, 000	0	0
28,00 29,00	1,000	28, 760 25, 040	27, 400, 000 18, 985, 000	3 400	1,700,000 7,665,000	25, 700, 000 11, 320, 000		3, 150, 000 2, 895, 000	180		2, \$10, 000 1, 320, 000	2, 160 2, 130		330	155,000 615,000	1, 980, 000 900, 000	0	460,000
30.00	1,000	11, 930	13, 830, 600	d i, 930	9, 190, 000	4, 440, 000	2, 670	2, 680, 000	2, 670	2, 115, 000	765,000	900	3, 500, 000	900	960,000	540,000	920 0	460,000
31.00	1,000	15, 730 9, 740	12, 735, 000 10, 925, 000		8, 295, 000 9, 070, 000		3,690 2,580	2, 835, 000 2, 565, 000	1, 560 2, 580		765, 000 345, 000	2, 100 1, 720	1, 910, 000	1, 720	1, 370, 000 1, 470, 000	540,000 320,000	. 0	0
33.00	1,000	12, 110 23, 920	18, 015, 000 38, 080, 000		4, 200, 000 0	13, 815, 000 38, 080, 000	2,550	2,730,000	1,850	\$30,000	1, 800, 000 3, 240, 000		1, 950, 900 2, 230, 000	1, 220	610,000 0		<u>0</u>	0
34.00 35.00	1,000	52, 240	39, 960, 000	0	0	39, 950, 000	3,570	3, 540, 000	0	ő	3, 540, 600	2, 420	2, 400, COO	0	0	2, 400, 000	Ü	ō
35.00 37.00	1,000	27, 680 23, 150	25, 420, 000 24, 830, 000	0	0	25, 420, 000 24, 830, 000		3, 230, 000	0	0	3, 230, 000 3, 065, 900	2, 380	2, 220, 000 2, 100, 000	0	0	2, 220, 000 2, 100, 000	0	
38.00	0	26, 500	0	0	0	0	3, 180	0	0		.0	2, 140	0	0	0	0	0	0
38.00 39.00		35, 640 59, 520	47, 580, 000 46, 775, 000	0	0	47, 580, 000 46, 775, 000	5, 700	5, 005, 000 5, 205, 000	0	0	5, 005, 000 5, 205, 000	2, 920 3, 920		0	0		0	Ó
40.00		34, 030 39, 640	36, 835, 000 49, 545, 000	0	0	35, 835, 000 49, 545, 000	4,710	4, 905, 000	0	0	4, 905, 000 6, 210, 000	3, 570		0	0	3, 555, 000 4, 220, 000	0	0
41.00	1,000	59, 450	88, 635, 000	0	0	88, 635, 000	7, 320	8, 130, 000	0	, i	8, 130, 000	4, 900	5, 430, 000	0	0	5, 490, 000	0	0
43.00 44.00		71, 820 71, 190	\$4,505,000 \$6,120.000	0	0	\$4, \$05, 000 \$8, 120, 000			0	-	7, 750, 000 5, 230, 000	8, 080 4, 500		0	0		0	0
45.00	1,000	61,050	55, 845, 000	0	0	55, 845, 000	3, 900		0	0	4,650,000 4,335,000	2, 600 3, 700		0	0		0	0
46.00 47.00	1,000	50, 640 23, 540	37, 090, 000 19, 930, 000	0	0	37, 050, 000 19, 930, 000	3, 270	3, 150, 000	D		3, 150, 000	2, 300	2, 170, 000	ő	0	2, 170, 590	Ō	0
48. CO 49. OO		16, 320 22, 850	19, 585, 000 24, 335, 000	0	0	19, 585, 000 24, 335, 000	3,030	3, 030, 000	0	0	3, 030, 000 3, 115, 000	2,040 2,080		0	0		0	0 0
50.00	0	25, 820	0		Ö	8	3, 200	0	Ö	0	0	2, 180	0	O	0	0	0	Ō
Sunt. 3	27,000		901, 900, 000	-	75, 705, 000	826, 195, 000		104, 210, 000		15, 580, 000	88, 630, 000		69, 355, 000	122	8, 215, 000	61, 140, 000		2, 210, 000
50.00	1,000	25, 820	24, 420, 000	0	1, 125, 000	23, 295, 000	1 200	2 950 000		195 000	2, 765, 000	2, 180	2, 020, 000	0	140,000	1, 880, 000	0	0
51.00	1,000	23,020	16, 375, 000	2,250	4, 475, 000	11,900,000	2, 720	2, 695, 000	390	855, 000	1, 840, 000	1,850	1, 835, 000	280	555, 000	1, 280, 000	Û	0
52. 00 \$3. 00	1,000	9,730 10,140	9, 935, 000 8, 380, 000		4, 185, 000 835, 000	5, 750, 000 7, 545, 000			1, 320 800	1,050,000 400,000	1,705,000 2,185,000	1,81D 1,900	1, 855, 000 1, 780, 000	839 440	635,000 220,000		0	0
54.00	0		0		0	0	2, 310	0	0	6	0	1,660	O	0	0	0	0	0
Scia. 4	4,000	 	59, 110, 000	 -	10, 620, 000	48, 490, 000		11,005,000		2,510,000	8, 495, 000		7, 490, 000	<u> </u>	1, 550, 000	5, 940, 000		0
54.00	1,000	6, 520	4, 170, 000	0	850,000	3, 310, 000	2 310	2, 375, 000		1, 220, 000	1, 155, 000	1, 560	1,250,000	0	429,000	830,000	0	410,000
55.00	1,000	1, 720	1, 205, 000	1, 720	1, 205, 000	0	2, 440	2, 285, 000	2, 440	2, 285, 000	0	840	1, 250, 000 855, 000	840	855,000	D	880 920	900,000
58.00 51.00	1,000	650 0	345,000 240,000	690	345,000 240,000	0		1, 975, 000 2, 070, 000			0	870 760	815, 000 845, 000	870 750	815, 000 840, 000	0	920 780	850, 000 905, 000
58.00	1,000	480	430,000	480	430,000	0	2, 320	2, 600, 000	2, 320	2,000,000	0	920	855,000	920	855,000 815,000			920,000 860,000
60.00	1,000 1,000	380 340	350,000 170,000		350,000 170,000	0	1,810	1,745,000 1,455,000	1, 819	1, 455, 000 1, 455, 000 3, 440, 000	0	840	815, 000 810, 000	790 840	810,000	0	910	855,000
62.00	1,000	0 480	240, 000 570, 000	0 480	240,000 570,000		1, 100	1, 440, 000 1, 810, 000	1,100	1,810,000	0	780 810	795, 000 810, 000	780 810	795, 000 810, 000	0	800 830	815, 000 830, 000
63.00	1,000	660	385,000	650	385,000	0	1,840	1,690,000	1,840	1, 690, 000	0	810	790,000	810	790,000	0	830	\$10,000
64.00 65,00	1,000	10 120	115,000 60,000	110 120	115, 000 60, 000	0	1,540	1, 580, 000	1,540	1, 580, 000	0	770 780	775, 000 760, 000	770	775, 000 760, 000	0	790 800	795, 000 780, 000
\$6.00	5, 500	: 0	0	0	0	0				1, 350, 000 2, 970, 000	0	740	2, 035, 000	740	2, 035, 000	0	750	2,090,000
71. 50 Sum 5	17,500	0	8, 290, 000	0	4, 950, 000	3, 310, 000	0	21,715,000	0	23, 590, 000	1, 155, 000	- 0	12, 205, 000	0	11, 275, 000	830,000	0	11, 850, 600
									<u> </u>			<u> </u>					ļ	
S-8																		
Sim	12 100		2, 060, 000	 	2,060,000			19, 501, 500		19, 501, 500		<u> </u>	6, 419, 500	-	6, 419, 500	0		6, 419, 500
Sum. 2 Sum. 2 Sum. 3	22,000		204, 453, 250		147, 303, 600	57, 150, 250		54, 582, 000	[39, 881, 500	14, 700, 500		25, 342, 000	1	13, 405, 000	11, 537, 000	 	12, 030, 000
Strat. 4	4,000		901, 900, 000 59, 110, 000		75, 705, 000 10, 620, 000	826, 195, 000 48, 490, 000		11,005,000			88, 630, 600 8, 495, 600	 	89, 355, 000 7, 490, 000	 		61, 140, 000 5, 940, 000	<u> </u>	_2, 210, 000 0
Sue. 5	17,500		8, 290, 000 1, 175, 813, 250	I	4, 980, 000 240, 668, 000	3, 310, 900	<u> </u>	24, 745, 000		23, 590, 000	1, 155, 000		12, 205, 000	I	11, 375, 000	830,000		11, 850, 000
TOLAL	01, 000		h' 112' 012' 520		F 40' GRO' 000	1 333, 193, 230	L	£14, 023, 500		#01 043 000	112, 980, \$00		120, 811, 50G	L	40, 304, 500	79, 847, 000	<u> </u>	32, 509, 500

Dry 1, 127, 972, 750

S-9		S-	-9	Cal	culat	ion Ta	mre	OL E	xca	ACCUTOI	i voru							
Station	Dis		-i	lard Rock					Soft R	xk	D-11 1/2			Earth	6: UI I	Dry V2	Kid Ao	
No.	(6)	Ao _		Tet Al	Wet VI 4, 632, 500	Dry V2	<u>₩</u>	Vo 8	CT AL	Vet V1 5, 355, 000	Dry V2	<u> </u>	Vo 2, 040, 000	ct Al	Vet V1 2, 040, 000	0	Û	2, 040, 000
-11,50 -3,00	8, 500 4, 000	1,090	4, 632, 500 5, 820, 000		5, 820, 000		, 250	5, 520, 000	1, 260	5, 520, 000	0	480	1, 960,000		1, 960, 000	0	480 500	1,960,000
1.00	0	1, 820	0	1,820	0	0 1	, 500	0, 875, 000	1,500	10, 875, 000	0	500	4, 000, 000	500	4,000,000			4,000,000
Sum. j	12,500		10, 452, 500	·1	0, 452, 500			0, 619, 000		10,010,000			.,,					
 									500	11 500	62 500	1 600	50,000			50, 000		
1.00	50	1, 820	146,000	1, 820	58,000		, 500 , 500	15,000 1, 725,000	200	11, 500 299, 000	63 500 1, 426,000		1, 150, 000	0		1, 150, 000		·
1.05	_1, 150 10	4, 020	4, 623, 000 40, 200	500	575,000 5,000		, 500	15,000	250	2, 600	12, 400	1,000	12,500	0	0	12,500	0	0
2.20	190	4,020	763, 800	500	95,000	568, 800 1	, 500	285,000	260	49, 400	235, 600		285,000	Ď		285, 000 12, 500	0	<u>\</u>
2. 40	. 10	4,020	40, 200	500	5,000		, 500	15, 600 885, 000	260 260	2, 600 153, 400	12, 400 731, 600	1,500	12,500 530,000	0	0	590, 000	- 0	
2.41 3.00	590 2,000	4,020	2, 371, 800 7, 770, 000	500 500	295, 000 1, 000, 000	6, 770, 000	, 500 , 500	4, 200, 000	280	520,000	3, 680, 000	1,000	2, 000, 000	0	0	2,000,000	0	0
5.00	1,000	3, 750	4, 170, 000	500	2, 545, 000	1, 525, 000	700	1, 965, 000	260	745, 000	1,220,000	1,000 480	740, 000 480, 000	0 480	240,000 480,000	500, 000 0	490	245, 000 485, 000
6.00	1,003	4, 590	4, 815, 000		4, 815, 000			1, 335, 000	1, 230 1, 440	1, 335, 000	0	480	485,000	480	485,000	0	480	485,000
8,00	1,000	5, 040 5, 860	5, 450, 000 4, 910, 000		5, 450, 000 4, 910, 000			1, 340, 000	1,470	1,340,000	0	430	450,000	490	450,000	D	490	485,000
9,00	,000	3, 950	4, 880, 000	3, 980	4, 880, 000	0	,210			1, 340, 000 1, 355, 000		410 490	450, 000 485, 000	410 490	450, 000 485, 000	0	450	485, 000 490, 000
10.00	1,000	5, 800 4, 350	5, 075, 000 4, 805, 000		5, 075, 000 4, 805, 000		1, 470 1, 240	1, 295, 000	1,240	1, 295, 000	Ö	480	480,000	480	480,000	Ó	490	430,000
11,00 12,00	1,000	5, 260	5, 055, 000	5, 260	5, 055, 000	0	1, 350	1, 350, 000	1,350	1, 350, 000	<u>0</u>	480 480	480, 000 480, 000	450 480	480,000 480,000	<u>0</u>	490 490	490,000 490,000
13, 00	1,000	4, 850	5, 155, 000	4,850	5, 155, 000 5, 375, 000			1, 395, 000 1, 450, 000		1, 450, 000	0	480	485,000	480	485, GOO	Ö	490	495, 600
14.00	1,000	5, 460 5, 290	5, 375, 000 7, 730, 000	5, 460	2, 645, 000		1,460	1, 539, 000	1,450	730,000	800,000	490	795,009	490	245,000	\$50,000	500	250,000
16.00	1,000	10, 170	11, 495, 000	0	1, 450, 000	10, 045, 000	1,600	1, 585, 000 1, 545, 000	300	150, 000 910, 000	1, 435, 000 635, 000	1,100	1, 080, 000 785, 000	180	\$0,000 345,000	990, 000 440, 000	0	260,000
17.00	1,000	12, 820 7, 640	10, 230, 000 6, 265, 000		5, 270, 000 6, 265, 000			1, 480, 600	1,520	1, 480, 000	0	510	495,000	510	495, 000	0	520	505, 000
19.00	1,000	4, 890	6, 715, 000	4, 890	5, 590, 000	1, 125, 000	1,440	1, 580, 000			310,000	480	790,000 795,000	480 640	580,000 585,000	230, 000 230, 000	490	245,000
20.00	1,000	8, 540	7, 360, 000		6, 235, 090 5, 820, 000	1, 125, 009	1, 770	1, 595, 000 1, 460, 000	1, 470	1, 285, 000 1, 460, 000	310, 000 0	1, 100 490	490,000	490	490,000	0	490	490,000
21.00 22.00	1,000	6, 180 5, 460	5, 820, 000 6, 530, 000	5, 450	6, 530, 000	0	1,450	1, 455, COU	1,450	1, 455, 000	. 0	490	495,000	490	495,000	0	490 530	\$10,000
23.00	0	7,600	0	7, 600	0 (0	1, 460	0	1, 460	9 22, 838, 500	10 871 500	500	14, 840, 000	500	7, 800, 000	7, 040, 000	330	7, 145, 000
	22,000		127, 590, 000		89, 903, 000	37, 587, 000		33, 710, 000	-	ee' ano' 500	10, 011, 000		17,010,000					
		 						4 540 55	1 720	1 510 000	ā	500	\$10,000	500	510,000		530	530, 000
23, 00		7,600	7, 725, 000	7, 600	7, 725, 000 7, 225, 000	780 000	1,460 1,560	1, 519, 000 1, 545, 000	1, 460	1, 510, 000 1, 260, 000	285,000	520	780,000	520	510,000	210,000	530	265,000
24.00 25.00	1,000	7, 850 8, 160	8, 005, 000 8, 880, 000	7, 850 6, 600	5, 990, 000	2, 890, 000	1,530	1, 545, 000	960	810,000	735,000	1,040	1,050,000	620	520,000	530,000	0	0
26.00	0	9, 600	0	5, 380	0	0	1, 550 1, 770	1,800,000	035 037	380,000		1,050	1, 230, 000	420 480	240,000	990,000	- 0	- 0
26.00	1,000	10, 420 14, 070	12, 245, 000 15, 570, 000	5, 600 0	2, 806, 000 0		1, 830	1, 985, 000	0	0	1, 965, 000	1, 260	1, 360, 000	0	0	1, 360, 000	0	0
27.00		17.070	15, 450, 000	0	385, 000	16, 075, 000	2, 109	2, 130, 000	0	30,000	2, 100, 000 1, 050, 000	1,460	1, 460, 000	40	20,000 300,000	1,450,000	0	285, 000
29.00	1,000	15, 850	11, 325, 000	170 6, 800	3, 785, 000	7, 540, 000 1, 440, 000		1, 905, 000), 650	855,000 1,350,000	390,000	560		560	610,000	280, 000	570	285, 000
30.00 31.00		6, 800 8, 280	7, 540, 000 7, 180, 000	5, 400	5, 740, 000	1 440 000	1 936	1 695 000	1.050	1, 305, 000	330,000	1, 220	870,000	550 520	590,000	280,000 120,000	540	270,000
32.00	1,000	6, 080	6, 220, 000	6,080	6.045.000	175,000 7,785,000	1,560	1,610,000	1,560	1, 450, 000 880, 000	150,000 1,135,000	520 1, 120	820,000 1,250,000	880	700,000 440,000	810,000	730	0
33, 00 34, 00		6, 360 15, 220	10, 790, 000 25, 735, 000	8,010 0	3,005,000	25, 735, 000	1, 970	2. 325, 000	0	0	2, 325, 000	1, 380	1,600,000	0	0	1, 600, 000	0	0
35.00			25, 675, 000	0	0	25, 675, 000	2, 680	2, 490, 000	0	0	2, 490, 000	1, 820	1, 699, 699	0	0	1, 690, 000	0	
36,00	1,000	15, 160	14, 685, 000 18, 110, 000	0	<u>0</u>			2, 140, 000 2, 130, 000	0		2, 140, 000 2, 130, 000	1,340	1,440,000	0	0	1,440,000	0	0
37, 00 38, 00		14, 270 21, 950	18, 119, 690	ő	0	Ō	2,280	. 0	O	0) 0	11,540	0	0	0	2,740,000	0	<u>U</u>
38.00	1,000	24, 620	34, 155, 000	Ç	0	34, 155, 000 32, 765, 000	3, 360	4, 080, 000 4, 125, 000	0	- 0	4, 080, 000 4, 125, 000	3, 300	2, 740, 000 3, 099, 000			3, 090, 000	Ö	0
39,00 40,00			32, 765, 000 24, 730, 000	0		24, 730, 000	3, 450	3, 845, 000	Ö	0	3, 845, 000	2, 880	2, 850, 000	0		2, 850, 000	0	0
41.00			33, 435, 000	0	0	33, 435, 000	4, 240	4, 520, 000	0	0	4, 520, 000 6, 620, 000		3, 090, 000 4, 490, 000	0	0	3, 090, 000 4, 490, 000		
42.00			66, 340, 000	0	0	66, 340, 000 79, 745, 000	8 440	5, 520, 000 7, 250, 000	0	0	7, 250, 000				0	4, 870, 000	0	0
43,00			79, 745, 000 50, 810, 000	ŏ	0	50, 810, 000	8,050	4, 490, 000	Ū	0	4, 490, 000			0	0		0	0
45.00	1,000	35, 560	36, 590, 000	0	0		Z, 920	3,740,000	0		3, 740, 000 3, 515, 000				0	2, 385, 000	0	0
48,00			26, 155, 000 12, 475, 000	0	0	28, 155, 000 12, 475, 000	2, 170	2, 255, 000		0	2, 255, 000	1,670	1, 525, 000	0	0	1, \$25, 000		0
48.00			12,620,000	0		12 620 000	2.040	2, 100, 600	0		2, 100, 000 2, 180, 000	1, 380	1, 420, 000 1, 510, 000	0	0			
49.00	1,000	14, 980	16, 040, 000	0	0	16, 040, 000	2, 200	2, 180, 000 0				1,580						0
\$0.00 Sun 1	27,000	17, 100	622,005,000			573, 205, 000	2, 200	77, 055, 000			67, 425, 000		51, 050, 000		4,500,000	45, 550, 000	<u> </u>	1, 905, 000
300.3								·	 -	 		1-	 	+	 	1	1	<u> </u>
50.00	1,000	17, 100	17, 150, 000	Ò	85,000	17, 065, 000	2, 200	2,035,000	0						0	1, 450, 000	0	0
50, 00 51, 00	1,000	17, 200	11, 525, 000	170	2, 735, 000	8,790,000	1, 870	1, 765, 000	1 0	850,000 1,050,000		1, 340				830, 000 \$40, 000		
52. Dt	1,000	5, 850	5, 105, 000		3, 660, 000	1, 445, 000 3, 255, 000		1, 695, 000 1, 525, 000	1,300	400,000		1, 200	1, 120, 00			900,000	0	0
53, 00 54, 00			4, 275, 000	Û		. 0	1, 320	0	0	D		1,040) 0	1 240 000	3, 720, 800		0
Som. 4			38, 055, 000		7, 490, 000	30, 565, 000		7, 020, 000		2, 100, 000	4, 920, 000	+	4, 950, 000	+	1, 240, 000	3, 120, 600		
j	1	-	 	-					1		<u> </u>	1,				F20 000	0	270,000
54. D			3, 265, 000		1, 170, 660	2,035,000	1, 320	1, 395, 000	0	735,000 1,385,000		1, 040 520		3 0 3 520		520,000		
55. D	1,00		1, 445, 000 380, 000	2, 340 550	1, 445, 000 380, 000	0	1, 470 1, 250	1, 260, 000	1, 260	1, 269, 000	1	450	455,00	460	455,000		490	480, 000
56.00 57.0			470,000	210	470,000	0	1 250	1 280 000	1 260	1. 260,000				0 450 0 450			470	
58.0	1,00	730	\$60,000	730	560, 000 385, 000	0	1,260	1, 260, 000 1, 245, 000	1, 260 1, 260	1, 280, 000		450	455,00	650	455,000		470	475,000
59.0 50.0			385, 000 265, 000	380	265,000	0	1, 230	1, 185, 600	1, 230	1, 185, 000		460	135,00	460	135,000			
61.0	1,00	150	415,000	1 150	415, 000	0	1,140	1,215,000	1,140	1, 215, 000 1, 290, 000		410		0 410 0 420			490	490,000
52. 0 63. 0			615,000 445,000		615,000 445,000		1.290	1, 260, 000	1,290	1,250,000		47(150,00	0 470	480,000		490	480,000
64. O			205,000	340	205,000	0	1, 230	1, 215, 000	1, 230) 1, 215, <u>00</u> 0		450						
65.0	1,00	70	145,000	70	45,000		1, 200 870	1, 035, 000 4, 308, 500) 460 3 430					450	2, 227, 500
56.0 75.9		0 220			99, 000 0	0	910) () 6) ()	0 0	0		0	7, 132, 500
Sua. 5			9, 684, 000		6, 499, 000			19, 291, 500)	18, 631, 500	660,00		7, 313, 50	' 	7, 343, 500	3/0,00	<u>-</u>	1, 132, 309
	\perp			ļ	l	1	 	ļ	+	1	1	1						
S-9	<u>, </u>	-	 	1					1					_	-	 	-	
			1		10 150 50	0	 	10, 875, 000	1-	10, 875, 000	1	<u>-</u>	4, 000, 60	<u> </u>	4, 000, 000		<u> </u>	4,000,000
Sum. 1 Sum. 2	22.00	0	10, 452, 500 127, 590, 000		10, 452, 500 89, 903, 000	37, 687, 000		33, 710, 000)	22, 838, 500	10, 871, 50	Ō	14, 840, 00	0	7, 800, 000	7, 040, 00	2	7, 145, 000
Strat 1	27,00	ŏ	622, 005, 000)	48, 800, 000	573, 205, 600		77, 065, 000)	9, 640, 000	67, 425, 00 4, 920, 00	<u> </u>	\$1,050,00 4,950,00		1. 500, 000 1. 240, 000	46, 550, 00 3, 720, 00	 	1, 905, 000
Sun. 4	4.00	0	38, 055, 000 9, 684, 000		7, 490, 000 8, 499 nor	30, \$65, 000 3, 185, 000	1	19, 291, 500	0	18, 631, 50) 6 <u>60.00</u>	0	7, 913, 50	0	7, 343, 500	\$70,00	0	7, 732, 500
Sum. S			807, 785, 500		183, 144, 500	544, 642, 000	<u></u>	47, 961, 5C	0	64, 085, 00	83, 876, 50		82, 763, 50	0 [<u> 1 24, 883, 500</u>	57, 880, 00	u J	20, 782, 500
						•												

S=10	S-TO	Carcura	ation Tab	re or ry	scav	acion	VOLUM							
	Ao Yo Yo 9, 222, 500 2, 170 11, 620, 030			0 10,710,000		∞k Wel V) 10,710,000 11,040,000	Dry V2	Ao 0 960	Vo 4, 080, 000 3, 920, 000	Earth Fet Al 0 960	Wet VI 4,080,000 3,920,000	Dry V2 0	Mad Ao 0 950	Vo 4, 080, 000 3, 920, 000
-3.00 4,000 1.00 0 Sua, 1 12,500	2, 170 11, 620, 500 3, 640 0 20, 842, 500	2, 170 11, 520, 000 3, 549 0 20, 842, 500			3,000	21,750,000	0	1,000	8, 000, 000		8,000,000	0	1,000	8, 000, 000
1.00 50 1.05 1.150 2.20 10	3. 640 292, 000 8. 040 9, 246, 000 8. 040 80, 404	950 1,092,500	177, 250 3, 0 8, 153, 500 3, 0 70, 900 3, 0	00 3, 450, 000	380 520 520	22, 500 598, 000 5, 200	127, 500 2, 852, 000 24, 800	2,000 2,000 2,000	100,000 2,300,000 25,000	0 0 0	0	100,600 2,300,000 25,000	0	0
2, 21 190 2, 40 10 2, 41 590	8, 040 1, 527, 604 8, 040 80, 404 8, 040 4, 743, 604	950 180, 800 950 9, 500 950 560, 800	1, 347, 100 3, 0 70, 900 3, 0 4, 183, 100 3, 0	300 570,000 30,000 30,000 300 1,770,000	520 520 520	98, 800 5, 200 306, 800	471, 200 24, 800 1, 463, 200	3,000 3,000 2,000	\$70,000 25,000 1,180,000	0 0 0	0 0 0	\$70,000 25,000 1,180,000	0	0
3,00 2,000 5,00 1,000 6,00 1,000			3, 280, 000 3, 1 9 2, 8	000 6, 700, 000 100 3, 155, 000 110 2, 715, 000 120 2, 805, 000	520 520 2,610	1,040,000 1,565,000 2,715,000 2,805,000	5, 660, 000 1, 590, 000 0	2,000 2,000 940 940	4, 000, 000 1, 470, 000 940, 000 955, 000	940 940	470,000 940,000 955,000	4, 600, 000 1, 600, 000 0	940 950	945, 000 960, 000
7.00 1.000 8.00 1.000 9.00 1.000 10.00 1.000	12.770 10.795,00 8.820 10.800,00 12.780 11.505,00) 52,770 10,795,000) 8,820 10,800,000	0 2,7	790 2, 760, 000 510 2, 585, 000 760 2, 700, 000	2, 790 2, 610 2, 760	2, 700, 000 2, 685, 000	0 0 0	970 880 970	925,000 925,000 960,000	970 880 970	925, 000 925, 000 960, 000	0 0 0	970 950 970	960,000 960,000 965,000
11,00 1,000 12,00 1,000 13,00 1,000	10, 230 10, 975, 00 11, 720 11, 290, 00 10, 860 11, 820, 00) 10,230 10,975,600) 11,720 11,290,600) 10,850 11,820,000) 12,780 11,280,000	0 2,1 0 2,1 0 2,1	140 2, 795, 000		2, 795, 000	000	950 950 950 950	950,000 950,000 950,000 950,000	950 950 950 950	950,000 950,000 950,000 950,000	0 0 0	\$50 \$50 950 950	955, 000 955, 000 955, 000 955, 000
14.00 1.000 15.00 1.000 15.00 1.600 17.00 1.000	9, 780 16, 860, 00 23, 940 23, 755, 90 23, 570 19, 200, 00) 9,780 4,890,000) 0 5,480,000) 10,860 12,885,000	11, 970, 000 2, 8 18, 275, 000 3, 0 6, 305, 000 3, 0	350 2, 955, 000 380 3, 030, 000 000 2, 870, 000	2, 850 0 1, 030	1, 425, 000 515, 000 1, 885, 000	1, 530, 000 2, 515, 000 985, 000	950 2,050 2,110	1,500,000 2,080,000 1,525,000	950 0 710	475, 000 355, 000 825, 000	1, 025, 000 1, 725, 000 700, 000	960 0 0	480,000 0 475,000
	11, 430 15, 985, 00 20, 500 18, 825, 00	0 14,830 13,130,000 0 11,430 10,765,000 0 10,100 11,625,000 0 13,150 12,280,000	5, 200, 000 2, 8 5, 200, 000 3, 0	850 2, 945, 900 040 2, 945, 000	2, 850 1, 690	2, 270, 000	0 675,000 675,000 0	940 950 2,040 950	945,000 1,495,000 1,495,000 950,000	940 950 1, 100 950	945, 000 1, 025, 000 1, 025, 000 950, 000	470, 000 470, 000 0	950 960 0 950	955, 600 480, 000 475, 000 950, 000
21,00 1,000 22,00 1,000 23,00 0 Sun, 2 22,000	11, 410 13, 710, 00) 11,410 13,710,000) 16,010 0	0 2,2	850 2, 865, 000	2, 850 2, 880	2, 865, 000 0 45, 185, 500	0	950 960	955, 000 0 29, 120, 000	950 960	955,000 D 15,530,000	0	950 980	965, 000 0 13, 860, 000
23,00 1,000 24,00 1,000) 6, 010 16, 465, 000 16, 920 13, 610, 008			2, 880 2, 870	2, 875, 000 2, 250, 000	0 645, 000	960	980, 000 1, 470, 000	950 950	\$80,000 1,020,000	0 450,000	980 980	980, 000 490, 000
25.00 1,000 26.00 0 26.00 1,000	17, 680 19, 065, 00 20, 450 20, 920 23, 110, 00	0 9, 840 8, 970, 000 0 9, 840 0 0 9, 900 4, 950, 000	9, 095, 000 2, 9 0 2, 9 18, 150, 000 3, 1	940 2, 945, 000 950 0 120 3, 165, 000	1, 650 1, 350 1, 440	1, 500, 000 0 720, 000 0	1, 445, 000	1, 980 1, 960	1, 970, 000 0 2, 150, 000	3,080 860 840 0	970,000 0 470,000	1,000,000 0 1,680,000	0 0 0	0 0
27. 00 1, 000 28. 00 1, 000 29. 00 1, 000 30. 00 1, 000	31, 220 23, 280, 00	0 2,515,000	29, 980, 000 3, 8 13, 095, 000 3, 5		0 0 680 3, 030	340,000 1,855,000	3, 220, 000 1, 420, 000 885, 000	2, 440	2, 420,000 1, 715,000	440 1,039	220,000 735,000 1,085,000	2, 200, 000 980, 000 625, 000	0	525,000 525,000
31.00 1,000 32.00 1,000 33.00 1,000	21, 500 17, 310, 00 13, 120 14, 470, 00 15, 520 22, 420, 00) 8,800 10,959,000) 13,120 11,729,000) 50,320 5,168,060	6, 350, 000 3, 5 2, 750, 000 2, 5 17, 260, 060 3, 1	940 3, 045, 000		2, 340, 000 2, 500, 000 1, 030, 000 0	885, 000 545, 000 2, 180, 000	2, 390 980 2, 110 2 220	1, 685, 000 1, 545, 000 2, 165, 000 2, 425, 000 2, 635, 000	1, 140 980 1, 340 0	1,060,000 1,160,000 870,000		930 0 0	495, 000 495, 000 0
35, 00 1, 000 36, 60 1, 000 37, 00 1, 000	\$9,410 46,965,00 34,520 31,520,00 28,520 33,635,00	0 00 0 0 0	45, 955, 000 3, 9 31, 520, 000 3, 9 33, 535, 000 3, 2	900 3, 900, 000 900 3, 570, 000 240 3, 390, 000	0	0	3, 570, 000	2, 640 2, 150	2, 400, 000 2, 280, 000	0	0 0 0	2, 635, 000 2, 400, 000	0	0 0 0
38.00 0 38.00 1,000 33.00 1,000 40.00 1,000	38, 750 41, 430 53, 970, 00 65, 510 53, 135, 00 39, 760 42, 595, 00	0 0	53, 970, 000 4, 8 53, 135, 000 6, 0		0 0	0 0 0	5, 355, 000 5, 700, 000 5, 460, 000	2, 400 3, 180 4, 120 3, 920	3, 650, 000 4, 020, 900 3, 890, 000	0 0 0	0 0		0	0
41.00 1.000 42.00 1.000 43.00 1.000	45, 430 50, 915, 00 58, 400 93, 105, 00 29, 810 118, 390, 00	0 0 0 0 0 0 0 0 0	50, 915, 000 5, 8 93, 105, 000 7, 8 118, 390, 000 9, 1	610 6, 630, 000 650 8, 415, 000 180 7, 980, 000	0	0 0 0	6, 630, 000 8, 415, 000 7, 980, 000	3, 860 5, 140 8, 220	4, 500, 000 5, 680, 000 5, 390, 000	000	0 0 0	4, 500, 000 5, 580, 000 5, 390, 000	0 0	0
44.00 1,000 45.00 1,000 45.00 1,000 47.00 1,000	71, 480 64, 580, 00 57, 680 40, 150, 00	0 0	64, 580, 000 4, 4 43, 150, 000 5, 8		0 0 0	0 0 0			3, 750, 000 3, 490, 000 3, 290, 000 2, 470, 000	0 0 0	0	3, 490, 000 3, 290, 000	0	0
48.00 1,000 49.00 1,000 50.00 0	21, 470 24, 800, 00 28, 130 29, 895, 00 31, 260	0 0 0 0 0 0	29, 695, 900 3, 1 0 3, 1	510 3, 510, 600 510 3, 525, 600 540 0	0 0 0	0 0 9 17, 805, 000	3, 525, 600 C		2, 400, 000 2, 430, 000 0 74, 800, 000	0		2, 430, 000	0	0 0 0 3,510,000
\$m. 3 27,000 50,00 1,000	31, 260 29, 175, 00	0 0 1,730,000	27, 445, 000 3, 5	549 3, 305, 000	0	285, 000	3, 020, 000		2, 300, 000	0	210,000	2, 090, 000	0	Ó
52.00 1,000	14, 590 14, 600, 00 14, 610 11, 995, 00		9, 530, 000 3, (10, 825, 000 3, 2	070 3, 055, 000 040 3, 150, 000 260 2, 980, 000 700 0	570 1, 300 800 0	935, 000 1, 050, 000 400, 000 0	2, 120, 000 2, 100, 000 2, 580, 000	2,040	2, 125, 000	420 800 440 0	\$10,000 \$20,000 220,000		0 0	0
Sum. 4 4,000	76, 810, 00	0 13, 600, 000	63, 010, 000	12, 490, 000		2, 670, 000	9, 820, 000		8, 585, 000		1, 560, 000	6, 925, 000		0
54. 69 1, 000 55. 00 1, 000 56. 00 1, 000 57. 00 1, 000	4, 520 3, 775, 00 2, 930 1, 995, 00	0	0 2. 0 2. 0 2.	700 2, 790, 000 880 2, 745, 000 610 2, 625, 000 640 2, 820, 000	2, 510 2, 540	2, 745, 000 2, 625, 000 2, 820, 000	1, 350, 000 0 0	990	1, 460, 000 1, 015, 000 970, 000 1, 035, 000	900	970,000 1,035,000	955, C00 0 0		530,000 1,090,000 3,025,000 1,090,000
\$8.00 1,000 59.00 1,000 60.00 1,000	3, 160 2, 440, 00 1, 720 1, 975, 00 2, 230 1, 620, 00	0 3, 160 2, 440, 000 0 1, 720 1, 975, 000 0 2, 230 1, 620, 000	0 3, 0 2, 0 2,	000 2, 865, 000 730 2, 835, 000 840 2, 775, 000	3,000 2,730 2,840	2, 865, 000 2, 835, 000 2, 775, 000	0 0 0	1, 170 950 1, 100	1,060,000 1,025,000 1,000,000	1, 170 950 1, 100	1, 050, 000 1, 025, 000 1, 000, 000	0 0 0	1, 250 970 1, 130	1, 110, 000 1, 050, 000 3, 025, 000
61.00 1,000 62.00 1,000 63.00 1,000 64.00 1,000	2. 070 2, 170, 00 2, 270 1, 790, 00	0 1.010 1.540,000 0 2.070 2.170,000 0 2.270 1.750,000 0 1.310 1.345.000	0 2, 0 2, 0 2,	610 2,700,000 190 2,805,000 820 2,760,000 700 2,650,000	2, 790 2, 820 2, 700	2, 805, 000 2, 760, 000 2, 650, 000	0 0 0	900 970 980 940	935,000 975,000 960,000 945,000	900 970 980 940	935, 600 975, 000 950, 000 945, 000	0 0 0	590	955, 000 995, 000 980, 000 950, 000
65.00 1.000 66.00 9,900 75.90 0	1, 380 855, 00 330 1, 633, 50 0	0 1,380 855,000 0 330 1,633,500 0 0 6	0 2,1	600 2, 605, 000 610 12, 919, 500 0 0	2,600	2,605,060 12,919,500 0	0 0 0		930,000 4,504,500 0	950 910 0	930,000 4,504,500 0	0	960 920 0	940,000 4,554,000 0
Sua 5 21,900 S - 1 0	30, 248, 50	0 25, \$58, 500	4,690,000	45, 894, 500		44, 544, 500	1, 350, 000		15, 814, 500		15, 849, 500	965, 000		16, 304, 000
Som 1 12,500 Som 2 22,000	273, 220, 00	0 95, 337, 250	17, 882, 750	21, 750, 000 63, 780, 600			0 18, 593, 500	1	8, 000, 000 29, 120, 000			13,590,000		8, 000, 000 13, 860, 000
Sur. 3 27, 600 Sur. 4 4, 000 Sur. 5 21, 900 Total 87, 400	76, 610, 00 30, 248, 50	0 13, 600, 000 0 25, 558, 500	63, 010, 000	114, 955, 000 12, 490, 000 45, 894, 500 258, 859, 500		2, 670, 000 44, 544, 500	97, 150, 000 9, 820, 000 1, 350, 000 126, 913, 500		74, 800, 600 8, 585, 000 16, 814, 500 137, 319, 500		1, 660, 000 15, 843, 500	66, 450, 000 6, 925, 000 965, 000 87, 930, 000		3, 510, 000 0 16, 304, 000 41, 674, 000

	2-11	Carci	uración .	TUDIC OF							
Station Dis No. (n) -11. 50 8. 500 -3. 00 4. 000 1. 00 0 Sura. 1 12. 500	Ao Vo 0 S, 160, 1, 200 6, 400, 2, 600 11, 550,	000 1,200 8,40 0 2,000	0, 000 0 0, 000 0	Ao Vo 0 6,020,000 1,400 5,100,000 1,650 0 12,120,000	6, 0 1, 400 6, 10 1, 650	20, 000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	530 2, 16 550	9,000 0	Wet VI 2, 275, 000 2, 160, 000 0 4, 439, 000		
1.00 50 1.05 J.159 2.20 10 2.21 99 2.41 599 3.00 2.000 5.00 1.000 5.00 1.000 7.00 1.000	4.400 5,060 4,400 44 4.400 44 4.400 836 4.400 836 4.400 836 4.400 836 4.400 836 4.400 836 4.400 836 4.600 836 4.600 836 6.600 836	900 520 59 900 520 8 900 520 9 900 520 1,04 900 520 1,04 900 520 2,00 900 520 1,04 900 520 2,00 900 5,70 5,02 900 5,70 5,02 900 5,920 5,00 900 6,350 5,61 900 6,350 5,61 900 5,370 5,26 900 5,370 5,26 900 5,370 5,26 900 5,370 5,26 900 5,370 5,26 900 5,370 5,26 900 5,370 5,270 900 5,370 5,270 900 5,370 5,270 900 5,370 5,270 900 5,370 5,270 900 5,370 5,270 900 5,370 5,270 900 5,370 5,270 900 5,370 5,270 900 5,370 5,270 900 5,370 5,270 900 5,370 5,270 900 5,370 5,270 900 5,370 5,270 900 5,370 5,270 900 5,370 6,360 900 5,370 6,360 900 5,370 6,360 900 5,370 6,360 900 6,360 6,360 6,360	0,000	1,550 4,850,000 3,200 2,365,000 1,550 1,530,000 1,550 1,530,000 2,190 1,255,000 1,550 1,450,000 1,550 1,445,000 1,450 1,445,000 1,450 1,445,000 1,450 1,445,000 1,450 1,545,000 1,550 1,550,000 1,550 1,550,000	300 3 300 300 300 300 300 300 1 300 1 300 6 300 1 5 1,510 1,4 1,510 1,4 1,510 1,4 1,550 1,4 1,400 1,5 1,500 7 0 1 1,600 1,5 1,500 7 0 1 1,600 1,5 1,5 1,5 1,5 1,5 1,5 1,5 1,5 1,	12.500 70,000 145,000 1,552,500 3,000 13,500 3,000 13,500 17,000 195,500 3,000 13,500 17,000 195,500 185,000 1,450,000 105,000 450,000 105,000 450,000 105,000 0 0 0 0 105,000 0 0 0 0 105,000 0 0 0 0 105,000 0 0 0 0 105,000 0 0 0 0 105,000 0 0 0 0 105,000 0 0 0 0 105,000 0 0 0 0 0 105,000 0 0 0 0 0 105,000 0 0 0 0 0 105,000 0 0 0 0 0 0 105,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,100 1,26 1,100 1,26 1,100 3 1,550 3 1,550 3 1,550 4 1,100 80 1,1	\$,000 0 \$,000 0 \$,000 0 \$,3,250 0 \$,3,250 0 \$,3,250 0 \$,3,250 0 \$,3,250 0 \$,3,250 0 \$,3,250 0 \$,3,000 0 \$,000 0 \$,000 50	255, 000 515, 000 515, 000 480, 000 475, 000 505, 000 510, 000 515, 000 515, 000 520, 000 375, 000 375, 000 520, 000 585, 000 595, 000 520, 000 595, 000 595, 000 595, 000 595, 000 595, 000 595, 000 595, 000 595, 000 595, 000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
26.00 . 0 26.00 . 00 27.00 . 00 28.00 . 00 28.00 . 00 29.00 . 00 30.00 . 00 31.00 . 00 31.00 . 00 32.00 . 00 33.00 . 00 33.00 . 00 35.00 . 00 35.00 . 00 35.00 . 00 35.00 . 00 36.00 . 00 37.00 . 00 37.00 . 00 38.00 . 00 38.00 . 00 41.00 . 00 42.00 . 00 41.00 . 00 44.00 . 00 45.00 . 00 45.00 . 00 45.00 . 00 45.00 . 00 46.00 . 00 47.00 . 00 47.00 . 00 47.00 . 00 48.00 . 00 48.00 . 00 48.00 . 00 48.00 . 00 49.00 . 00 40.00 . 00 4	8, 580 8, 810 9,040 9,715 9,040 9,715 0,390 11,500 16,699 1,150 11,550 17,725 7,070 12,355 7,630 8,716 9,790 8,295 6,800 7,017 7,220 11,955 6,690 27,475 18,530 16,000 15,480 19,500 15,5480 19,500 15,5480 19,500 15,5480 19,500 15,5480 19,500 15,5480 19,500 15,700 86,235 10,170 34,291 10,170 35,244 10,170 35,240 10,170 35,240 10	000 8, 580 7, 92 000 7, 250 6, 54 0 5, 530 9 000 6, 100 3, 05 000 1, 130 4, 100 000 1, 130 4, 100 000 1, 130 4, 100 000 1, 130 6, 6, 100 000 1, 130 6, 6, 100 000 6, 100 3, 33 000 0 0 0, 000 0 0 0 0, 000 0 0 0 0, 000 0 0 0 0, 000 0 0 0 0, 000 0 0 0 0, 000 0 0 0	15,000 3,170,000 0 0 0 0 0 0 0 0	1. 630 1. 835, 000 1. 640 1. 640, 000 1. 640 1. 905, 000 1. 640 1. 905, 000 1. 640 1. 905, 000 1. 640 1. 905, 000 1. 640 1. 905, 000 1. 650 1. 730, 000 1. 750 1. 850, 000 1. 750 1. 910	1,630 1,300 8 1,020 8 1,020 8 1,020 8 1,00 9 1,770 1,4 1,110 1,3 1,680 1,5 1,410 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	405, 000 1, 500, 000 55,000 2, 105,000 55,000 2, 105,000 340,000 1, 035,000 340,000 1, 035,000 340,000 1, 035,000 340,000 1, 035,000 355,000 1, 120,000 0 2, 200,000 0 2, 200,000 0 2, 200,000 0 2, 200,000 0 4, 215,000 0 4, 215,000 0 4, 215,000 0 7, 290,000 0 7, 290,000 0 7, 290,000 0 7, 290,000 0 4, 580,000 0 7, 290,000 0 3, 850,000 0 4, 580,000 0 3, 850,000 0 4, 580,000 0 7, 290,000 0 3, 850,000 0 7, 290,000 0 1, 180,000 0 1, 180,000 0 2, 250,000 0 3, 850,000 0 3, 850,000 0 3, 850,000 0 1, 185,000 0 1, 185,000 0 1, 185,000 0 2, 245,000	1,100	70, 000 0 2 25, 000 0 0 55, 000 0 0 0 0 0 0 00, 000 0 0 50, 000 0 0 70, 000 0 0 40, 000 0 0 90, 000 0 0 930, 000 0 0 855, 000 0 0 855, 000 0 0 855, 000 0 0 855, 000 0 0 855, 000 0 0	0 40,000 340,000 550,000 530,000 745,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	220, 000 555, 000 0 1, 040, 000 1, 1, 510, 000 1, 1, 510, 000 740, 000 345, 000 140, 000 345, 000 140, 000 345, 000 1, 560, 000 1, 560, 000 1, 525, 000 1, 495, 000 2, 900, 000 3, 160, 000 2, 900, 000 3, 170, 000 4, 540, 000 4, 540, 000 4, 540, 000 4, 540, 000 4, 540, 000 1, 585, 000 1, 1585, 000 1, 1585, 000 1, 1585, 000 1, 1585, 000 1, 1585, 000 1, 1585, 000 1, 1570, 000 1, 570, 000	550 555,000 560 280,000 0
51.00 1,00 52.00 1.00 53.00 1.00	0 5.090 4.94 0 4.800	5,000 440 3.2 0,000 8,030 4,1 5,000 2,250 1,1 0 0	25,000 3,820,000	0 1,940 1,860,00 0 1,780 1,825,00 0 1,870 1,645,00 0 1,420	50 1,290 1,790 0 0	25, 000	1, 350 1, 1, 250 1, 3 1, 260 1, 3 1, 100	185, 000 0 300, 000 30 255, 000 840 180, 000 446 0 0	15,000 435,000 640,000 220,000 0 1,310,000	1, 470, 600 855, 000 615, 000 960, 000 0 3, 910, 000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
54.00 1,00 55.00 1,00 55.00 1,00 57.00 1,00 58.00 1,00 58.00 1,00 69.00 1,00 61.00 1,00 62.00 1,00 64.00 1,00 64.00 1,00 65.00 1,10 65.00 1,10 65.00 1,10 65.00 1,10 65.00 1,10 65.00 1,10 65.00 1,10 65.00 1,10 65.00 1,10	0 2,770 1,850 0 550 68 0 550 68 0 550 69 0 400 57 0 400 57 0 680 88 0 910 66 0 330 21 0 200 1,13 0 200 12,86	0,000 2,770 1,1 5,000 930 5 5,000 500 6 5,000 860 5 5,000 400 5 5,000 400 5 5,000 610 5 5,000 850 6 0,000 410 5 5,000 330 7 0,000 330 7 0,000 300 1,000 7	\$50,000 \$60,000 \$60,000 \$65,000 \$65,000 \$40,000 \$40,000 \$65,000	0 1,380 1,350,00 0 1,320 1,335,00 0 1,350 1,355,00 0 1,250 7,056,00 0 0	0 1,500 1, 0 1,380 1, 0 1,350 3, 0 1,350 1, 0 1,320 1, 0 1,350 1, 0 1,20 3, 0 1,20 3, 0 1,380 3, 0 1,380 1, 0 1,350 1, 0 1,250 7,	780,000 110,000 470,000 0 355,600 0	550 510 490 490 490 500 480 500 480 500 480 500 480 500	825, 000 0 530, 000 550 500, 000 510 500, 000 510 490, 000 490 490, 000 490 490, 000 490 490, 000 490 490, 000 500 500, 000 500 490, 000 500 490, 000 500 500, 000 500 480, 000 500 576, 000 460 846, 000	490, 000 490, 000 480, 000 2, 576, 000	550, 600 0 0 0 0 0 0 0 0 0 0 0 0	0 235,000 570 550,000 530 520,000 510 510,000 510 510,000 510 510,000 510 515,000 520 515,000 520 515,000 520 515,000 520 510,000 520 500,000 520 500,000 620 500,000 620 500,000 630 500,000 640 2,688,000 640 0
Stre. 1 12, 56 Stre. 2 22, 06 Stre. 3 27, 04 Stre. 4 4, 06 Stre. 5 23, 21 Total 88, 8	(2) 140, 40 (3) 656, 23 (3) 41, 2- (3) 12, 8-	99, 0,000 54, 10,000 8.	550,000 197,000 41,208,00 340,000 511,880,00 720,000 32,520,00 400,000 2,400,00 217,000 588,008,00	0 79, 640, 00 0 7, 425, 00 0 23, 426, 00	0 24, 0 10, 0 2, 0 22,	, 120, 000 (2292, 500 13, 072, 500 275, 000 59, 365, 000 110, 000 710, 000 716, 000 710, 000 533, 500 88, 442, 500	15, 52, 53, 7 8,	439, 000 990, 000 840, 000 220, 000 846, 000 335, 000	4, 439, 000 8, 290, 000 4, 850, 000 1, 310, 000 8, 296, 000 27, 185, 000	3, \$10, 000 550, 000	4, 439, 000 7, 545, 000 2, 015, 009 0 8, 648, 000 22, 847, 000

| FOtal Excavation Vol. 1, 142, 183, 000 | Ory 816, 600, 500 | Wet 305, 582, 500 |

S-12		J. 44	. Ca	исила	tion la	iD.I.E	Or E	xca	vacton	VOLU	110						2 a
itation Dis			Hard Ro	ck Wet Vi	Dry V2	Åo.	Yo 1	Soft B	ock Wet VI	Dry V2	Ao T		Farth Fol At	Pet VI	Dry V2	Mad Ao	Yo
No. (e) -11.60 8.600	_Ao	10, 320, 000	Ö.	10, 320, 000		Ó	12,040,000		12, 040, 000	·· }	0 1,060	4, 558, 000 4, 320, 000	1,680	4, 558, 000 4, 320, 000	0	0	4, 558, 000
-3.00 4.000 1.00 0	2, 400 4, 000	12.800,000	2, 400 4, 000	12, 800, 000	0	2, 800 3, 300	12, 200, 000 0	2,800 3,300	12, 200, 000	0	1, 100	0	1, 100	0	<u>0</u>	1, 050	4, 320, 000 0
Sue 1 12,600	1	23, 120, 000		23, 120, 000	0		24, 240, 000		24, 240, 000	0		8, 878, 000		8, 878, 000	0		8, 878, 000
	1										4 400						
1.00 50	4,000	321,000 10,166,000	520 1.040	39,000 1,196,000		3, 300 3, 300	165,000 3,795,000	410 570	24, 500 655, 500	140, \$00 3, 139, \$00	2, 200	110,000 2,530,000		0	110,000 2,530,000	0	0
1.05 1,150 2.20 10	8, 840 8, 840	88, 400	1,040	10, 400	78,000	3, 300 3, 300	33,000	570	5, 700	27, 300	2, 200	27, 500	0	0	27, 500	ė	0
2. 21 190 2. 40 10			1,040 1,040	197, 800 10, 400	1, 482, 000 78, 000	3, 300 3, 300	627,000 33,000	570 570	108, 300 5, 700	518, 700 27, 300	3, 300	527, 000 27, 500	0	0	627,000 27,500	0	<u>0</u>
2.41 590	8, 840	5, 215, 600	1,040	613, 600	4, 602, 000	3, 300	1, 947, 000	510	336, 300	1, 610, 700	2, 200	1, 298, 000	. 0	Ö	1, 298, 000	0	0
3,00 2,000 5,60 1,600	8, 840 8, 300	17, 140, 000 9, 850, 009	1, 049 1, 040	2, 080, 000 6, 220, 000	15, 060, 000 3, 830, 000	3, 300 4, 500	7, 800, 800 3, 735, 800	570 570	1, 770, 000		2, 200	4, 400, 000 1, 595, 000	0	0 495, 600	4, 400, 000 1, 100, 000	0	500,000
6.00 1,000	11, 400	12, 120, 000	II. 490 Î	12, 120, 000	Ō	2, 970	2, 975, 000	2. 970	2, 975, 000	<u> </u>	990	995, 000 1, 005, 000	990 1,000	995, 000 1, 005, 000	0	1,000	1,000,000 1,010,000
7.00 1,000 8.00 1,000		13, 380, 000 11, 950, 000	2, 840 3, 920	11, 950, 000		2, 980 2, 910	2, 945, 000 2, 850, 000	2, 910	2, 945, 000 2, 850, 000	0	1,010	970,000	1,010	970,000	0	1,020	1,010.000
9, 00 1, 000	9, 980	11, 940, 000	9, 980	11, 940, 000		2, 790	2, 850, 000 2, 850, 000	2, 790		0	930 1,010	970,000 1,005,000	930	970, 000 1, 005, 000	0	1,000	1,010,000
10.60 1,600		12, 445, 000 11, 840, 000			0	2, 910	2, 810, 000	2,790	2, 810, 000	0	1,000	990,000	1,000	\$90,000	Ō	1,000	\$90,000
12.00 1,000	12, 690	12, 100, 000	2, 690	12, 100, 000	0	2, 830	2, 870, 000	2,830 2,910	2, 870, 000 2, 955, 000	0	980 1,000	\$90,000 1,000,000	1,000	\$90,000 1,000,000	0	980 1,020	1,000,000 1,015,000
13.00 1,000 14.00 1,000	13, 590	12, 550, 000 8, 425, 000	13.590	8, 425, 000	0	3,000	3,000,000	3,000	3, 000, 000	·	1,000	1,000,000	1,000	1,000,000	0	1.010	1, 055, 000
15.00 I,000 18.00 I,000	3, 260	14, 430, 000 25, 580, 000	3, 260	1, 630, 000 6, 160, 000		3,000 3,210	3, 105, 000 3, 195, 000	3,000	1,500,000 570,000	1, 605, 000 2, 625, 000	1,000 2,150	1, 575, 000 2, 050, 000	1,000	240,000	1, 075, 000 1, 810, 000	1,100 0	550, 000 0
17,00 1,000	25, 520	20, 825, 000	2, 320	14, 025, 000	6,600,000	3, 180	3, 035, 000	1, 140	2,015,000	1,020,000	1, 950	1, 485, 000	480	730,000	135,000	. 0	595, 000 1, 005, 000
18.00 1,000 19.00 1,000	15, 730	13, 820, 000 17, 170, 000	15, 730	13, 820, 000 11, 465, 000	5, 705, 000	2, 890 3, 000	2, 945, 000 3, 105, 000		2, 945, 000 2, 385, 000	720, 000	980 1,000	990,000 1,580,000	980 1,000	990,000 1,079,090	510,000	1,010 1,000	500,000
20.60 1,000	22, 430	18, 665, 000	11,020	12, 960, 000	5, 705, 000	3, 210	3, 110, 000	1,770	2, 390, 000 3, 005, 000	720,000	2, 160 1,000	1,580,000	1, 140 1, 000	1,070,000	510,000 0	1,010	1,005,000
21.00 1.000 22.00 1.000	14, 900 13, 270	14, 085, 000 \$5, 205, 000			0	3, 010 3, 000	3, 005, 000 3, 015, 600	J, 000	3, 015, 000	9	1,000	1,010,000	1,000	1, 010, 000	Ö	1,000	1,010,000
23.00 D	17, 140	0	7, 140	206, 467, 000	84, 392, 600	3, 030	0 68, 755, 000	3,030	l 0	20, 779, 000	1,020	30, 790, 000	1,020	15, 030, 000	14 750 000	1,020	14, 680, 000
Strat 2 22,000	-	290, 859, 000		200, 401, 000	04, 332, 000		00, 123, 000	<u> </u>	11, 310, 500	20, 113,000				14, 140, 000			
23,00 1,000	17, 140	17, 515, 000	17 14D	17 515 000	0	3, 030	3, 030, 000	3, 030	3, 030, 000	0	1, 020	1, 015, 000	1, 020	1, 015, 000	0	1,020	1, 030, 000
24.00 1.000	17, 890	18, 535, 000	17, 890	14, 495, 000	4, 040, 000	3, 030	3, 075, 000	3, 030	2, 385, 000	690,000	1,010	1, 555, 000	1,010	1,075,000	480,000	1,040	520,000
25.00 1,000 28.00 0	19, 180 21, 630	20, 405, 000	11, 100 10, 400	10, 750, 000	9, 655, 000	3,090		1, 440	1,590,000	0	2, 110	2, 105, 000	960	0	1, 055, 000 0	0	
25.00 1,000	22. 700	25, 085, 000	0, 720	5, 380, 000	19, 725, 000 31, 950, 000	3, 290	3, 340, 000 3, 570, 000		170,000	2, 570, 000	2, 250	2, 285, 000 2, 430, 000	1, 020 0	510,000 0	1, 775, 000 2, 430, 000	0	0
27.00 1,000 28.00 1,000		31, 950, 000 35, 095, 000	0	2, 770, 000	32, 325, 000	3, 750	3, 725, 000	0	385,000	3, 340, 000	2,510	2, 525, 000	. 0	250,000	2, 275, 000	0	ŏ
29.00 1,000	33, 760	25, 380, 000 20, 545, 000	5, 540	11, 270, 000	14, 110, 000 7, 205, 000		3, 450, 000 3, 445, 000	770 3 200	1, 985, 000 2, 515, 000	1, 465, 000 930, 000	2,510	1, 805, 000 1, 805, 000	500 1, 100	800, 000 1, 150, 000	1,005,000 655,000	0 1, 160	550,000 550,000
30.00 1,000 31.00 1,000	24, 090	19, 010, 000	9, 580	11, 805, 000	7, 205, 000	3, 690	3, 405, 000	1,830	2, 475, 000	930, 000	2,510	1, 775, 000	1, 200	1, 120, 000	\$55, DOO	0	525,000
32.00 1,000 33.00 1,000	13, 930	15, 670, 000 24, 245, 000			3, 055, 000 18, 595, 000	3, 120 3, 110	3, 215, 000	3, 120 2, 140	2, 530, 000 1, 070, 000	585, 000 2, 310, 000	2, 250	2, 250, 000	1,040 1,410	1, 225, 000 705, 000	420,000 1,585,000	1, 050 0	525, 000 0
34.00 1,000	21.080	46, 630, 000	0	0	46, 630, D00	3, 450	3, 735, DOO	0	Ó		2, 330	2, 530, 000 2, 735, 000	0	0	2, 530, 000 2, 735, 000	0	0
35.00 1,000 36.00 1.000	62, 180 37, 800	49, 990, 000 34, 255, 000	0	0	49, 990, 900 34, 255, 000	4,020	4, 050, 000 3, 750, 000	0		3, 750, 000	2, 740	2, 530, 000	. 0	0	2, 57 , COG	0	Ŏ
37,00 1,000	30, 710	38, 175, 000	0	0	38, 175, 000 0	3, 420 3, 750	3, 585, 000 0	0	0	3, 585, 000	2, 320 2, 500	2, 410, 000 0	0	0	2,410,000 D	0	0
38.00 0 38.00 1.000		58, 100, 000	. 0	0	58, 100, 000	4, 860	5, 220, 000	0	0	5, 220, 000	3, 280	3, 590, 000	0	0	3, 590, 000	0	. 0
39.00 1,000 40.00 1,000		57, 885, 000 47, 150, 000	0	0	57, 885, 000 47, 150, 000	5, 580 5, 580	5, 580, 000 5, 680, 000	0	- 0	\$, \$80, 000 \$, \$80, 000		3, 900, 000 3, 900, 000	0	0	3, 900, 000	0	0
41.00 1,000	50, 500	61, 140, 000	0	0	61, 140, 000	5, 780	6, 760, 000	Ō	Ō	8 , 760, 000	3, 900	4, 560, 000	0	. 0	4, 560, 000	Û	0
42.00 1,000 43.00 1,000	71. 780 134, 450	103, 115, 000 123, 085, 000	00	0	103, 115, 000 123, 035, 000		8, 490, 000 8, 040, 000		0	8, 490, 000 8, 940, 000	6, 280	5, 750, 000 5, 440, 000	0	0	5, 750, 000 5, 440, 000	0	0
44.00 1,000	11, 720	93, 655, 000	0	0	93, 655, 000 68, 089, 000	8, 840	5, 660, 000 5, 225, 000	0			4,600	3, 830, 000 3, 595, 000	0	0		0	0
45,00 1,000 48,00 1,000		68, 080, 000 46, 905, 000	0	0	46, 905, 000	5, 970	4, 865, 000	0	0	4, 855, 000	4, 130	3, 355, 000	0	0	3, 365, 000	6	Ü
47.00 1.000	23, 240 22, 530	27, 885, 000 28, 205, 000	00	850,000	27, 885, 000 25, 355, 000	3,750	3, 755, 000 3, 735, 000	0	135 000	3, 755, 000 3, 500, 000		2, 610, 000 2, 585, 000	0	85, DOO		0	0
49.00 1.000	29, 880	31, 525, 000	1,700	850,000	30, 675, 000	3, 720	3,720,000	279	135,000	3, 585, 000	2, 550	2, 550, 000	170	85,000	2, 465, 000	0	0
50.00 C Sun. 3 27,000	33, 170	165, 215, 000	0	0 107, 270, 000	1, 057, 945, 000	3, 720	0 118,590,000	- 0		99, 485, 000	2,550	77, 115, 000			88, 045, 000	. 0	3, 700, 000
502 9 21,500		,,															
50.00 1.00	33, 170	30, 995, 000		1, 925, 000			3, 475, 000	O	310,000	3, 155, 000	2,550	2, 400, 000	0	235,000		0	0
51.00 1,00 52.00 1.00		22, 370, 000 15, 965, 000		6,090,000 5,400,000	18, 280, 000 10, 565, 000	3, 230 3, 170		1, 290	955,000 1,040,000	2, 245, 000 2, 245, 000	2, 250	2, 215, 000 2, 230, 000	470 840	655, 000 640, 000		0	0
53.00 1,00	16.010	13, 250, 000	2, 470	1, 235, 600	12, 015, 000	3, 400	3, 130, 000	790	395,000	2, 735, 000	2, 280	2, 140, 000	440	220,000		0	0
54.00 Sum 4 4.00	10, 490	82, 580, 000	0	14, 650, 000	67, 930, 000	2,850	13, 990, 000	0		10, 390, 000	2,000	8, 985, 000	0	1, 750, 000	7, 235, 000	0	0
302 1 1,00																1.	
54,00 1,00	10, 490	8, 155, 000	-	2, 910, 000	5, 245, 000	2, 860	2, 945, 000	Ó	1, 515, 000	1, 430, 000	2,000	1, 525, 000	Ó	525,000	1,000,000	0	\$65,000
55.00 1,00	5, 820	4, 630, 000	5, 820	4, 630, 000	0	3,030	3, 060, 000			0	1,050	1, 080, 000			0		1, 150, 000 1, 040, 000
56.00 1,00 57.00 1,00			1,570	2, 435, 000	0	2, 790	3, 075, 000	2, 790	3, 075, 000	0	900	1,075,000	900	1.075.000	0	910	1, 110, 000
58.00 1,00 59.00 1,00		2, 815, 000 2, 675, 000		2, 815, 000		3, 350	3, 135, 000 3, 000, 000			0 0		1, 130, 000		1, 130, 000	0		1, 170, 000 1, 085, 000
60.00 1,00	3, 020	2, 455, 000	3.020	2, 455, 000	0	3,030	2, 970, 000	3,090	2, 970,000	0	1, 120	1,060,000	1, 120	1,050,000	0	1, 140	1,080,000
61,00 1,00 62,00 1,00		1, 650, 000	1, 890 230	1, 069, 000 1, 850, 000	0	2,850 2,970	2, 985, 000	2, 870	2, 910, 000		1,000 1,030				0		1, 055, 000
63.00 1,00	3,070	2, 430, 000	3,070	2, 430, 000	0	3,000		3,000	2, 925, 000	0					0		
64.00 1,00 65.00 1,00		1, 720, 600		1, 720, 000			2, 805, 000	2, 850	2, 805,000		990 990	975,000	990	990,000 975,000	0		1, 040, 000
56.00 11,20	1,040	5, 824, 000	1,040	5, 824, 000	0	2,760	15, 456, 000	2, 760					960		0	980	5, 488, 000 0
77. 20 Sua 5 23, 20	0	39, 699, 000		34, 454, 000			51, 056, 000		49, 626, 600		-	18, 346, 000		17, 345, 000			17, 918, 000
							ļ	+-		ļ — —	 		 			 	
S-12					!					ļ	ļ		<u> </u>		<u> </u>		
Sun. 1 12, 60	, -	23, 120, 000		23, 120, 000	0	-	24, 240, 000	 	24, 240, 000	0	-	8, 878, 000	 	8, 878, 000	Ó	1	8, 878, 000
Sin 2 27 00	9.1	290, 659, 000	1	208, 467, 600	84, 392, 000		68, 755, 000	1	47, 976, 000	20, 779, 000		30, 790, 600		16,030,000	14, 760, 000		14, 680, 000 3, 760, 000
Scirc. 3 27,00 Scirc. 4 4,00	ő	, 165, 215, 000 82, 580, 000	<u> </u>	14, 650, 000	67, 930, 000		118, 590, 000 13, 090, 000	I	2, 700, 000	99, 485, 000		77, 115, 000 8, 985, 000		1, 750, 000			0
Sua. 5 23, 20	U · (39, 699, 000		34, 454, 000			\$1,056,000 275,131,000		49, 626, 000	1,430,000		18, 346, 000 144, 114, 000		17, 346, 000	91, 040, 000		17, 918, 000 45, 176, 000
TOtal 88, 80	بالساي	, 501, 473, 000	1	P03, 301, UU	N. 1 14. 4 12, UKU		F19, 191, 000	٠	P.19. 041. DO	Par 201, 000		P 17, 111, 000	J	1 33, 014, 000	1 41, 040, 000	 	

Otal Excavation Vol. 2, 055, 494, 600 Dry 1, 438, 536, 000

	L)	-T0		CITCUIT	ic ton a	COL				1 VOLU	uic:						
Ho. (m)	- No	Yo	llard f Fet Al	ock Wet VI	Dry V2	No.	Yo	Soft F	Wel YI	Dry V2	No.	Yo	Earth Tet Al	Wet VI	Dry Y2	Mad Ao	Yo
-11, 10 8, 100 -3, 00 4, 600	0	2,060,000	0	2,060,000	0	2, 430			9, 841, 500 9, 650, 000	0	790	3, 199, 500 3, 220, 000	790	3, 199, 500 3, 220, 000	0	790	3, 199, 500 3, 220, 000
1.00 0 5m. 1 12,100	1,030	2, 050, 000	1,030	2,060,000	0	2, 100	19,501,500	2,400	19, 501, 500	0	820	6, 419, 500	820	6, 419, 500	0	820	6, 419, 500
									<u> </u>								
1.00 58 1.05 1,150	J, 030 5, 300	158, 250 6, 095, 000	470 950	35, 500 1, 092, 500	122,750 5,002,500	2, 400 2, 520	123,000 2,898,000	380 520	22, 500 598, 000	100,500 2,300,000	1, 640	85,000 2,024,000	0	0	85,000 2,024,000	0	0
2. 20 10 2. 21 190	5, 300 5, 300	50,000 1,007,000	950 950	9,500 180,500	43,500 826,500	2,520	25, 200 478, 800	520 520	5, 200 98, 800	20,000 380,000	1,760 2,760	22, 600 524, 400	0	0	22, 600 524, 400	0	Ó
2.40 10 2.41 590	5, 300	53,000 3,127,000	950 950	9,500	43,500 2,566,500	2, 520	25, 200 1, 486, 800	520 520	5, 200 306, 800	20,000	2, 760	22,600	0	0	22,600 1,038,400	- Š	i j
3.00 2,000	5, 300	10, 600, 000	950	1, 900, 000	8, 700, 000	2, 520	5, 040, 000	520 520	1.040,000	4, 000, 000 1, 000, 000	1,760	3, 520, 000	0	0	3, 520, 000	0	0
5,00 1,000 6,00 1,000	5,300 7,380	6, 340, 000 8, 005, 000	950 7, 380	4, 185, 000 8, 005, 000	2, 175, 000 0	2, 370	2,445,000 2,415,000	2, 370		1,000,000	1,750 820	1, 290, 000 825, 000	820 820	410, 000 825, 600	880,000 0	820	410,000 825,000
7.00 1.000 8.00 1.000	8, 630 9, 620	9, 125, 000 7, 895, 000	9, 620	7, 895, 000	Ü	2, 460	2, 430, 000 2, 320, 000	2,400		0	830 830	830, 000 795, 000	830 830	830,000 795,000	0	830 830	830, 000 825, 000
9.00 1,000 10.00 1,000	6, 170 9, 530	7, 850, 000 8, 475, 000	5, 170 9, 530	7, 850, 000 8, 475, 000	0	2, 249 2, 430	2, 335, 000 2, 385, 000	2, 240	2, 335, 000 2, 385, 000	0	760 830	795, 000 830, 000	760 830	795, 000 830, 000	0	820 830	825,000 830,000
11.00 1.000	7, 420 8, 840			8, 130, 000 8, 420, 000		2, 340 2, 430	2, 385, 000 2, 415, 000	2, 340	2, 385, 000	0	830	830,000	830 830	830,000 830,000	0	830 830	830,000 830,000
13.00 1,000 14.00 1,000	8,000 7,140	7, 570, 000	8,000	7,570,000 8,045,000		2, 400		2,400	2, 430, 000 2, 460, 000	0	830 830	830,000 830,000	830 830	830,000 830,000	0	830 830	830, 000 830, 000
15.00 1,000 16.00 1,000	8, 950 19, 540	14, 245, 000 19, 490, 000	8, 950	4, 475, 000 4, 570, 000	9,770,000	2, 460	2, 610, 000		1, 230, 000 465, 000	1, 380, 000 2, 265, 000	830 1,720	1, 275, 000	830	415,000 230,000	860,000 1,500,000	830	415,000
17.00 1,000 18.00 1,000	19,440	15, 820, 000 10, 310, 000	9, 149	10, 670, 000			2,599,000	930 2, 480		885,000	1,74D 830	1, 285, DCC 830, DCC	450 830	845,000 830,000	640,000 0	830	415, 000 830, 000
19.00 1,000	8, 420	12, 390, 000	8, 420	8, 475, 000	3, 915, 000	2, 460	2, 565, 000	2,460	1, 980, 000	585,000	830	1, 315, 000	830 980	905,000	410,000	830	415,000
20.00 1,000 21.00 1,000	15.350 7.730	12, 845, 900 8, 475, 800	7, 730	8, 475, 000	3, 915, 000 0	2, 670 2, 460	2, 565, 000 2, 450, 000		1, \$80, 000 2, 450, 000	585, 000 0	1,800 830	1, 315, 000 830, 000	830	905, 000 830, 000	410,000	830	415,000 830,000
22.00 3,000 23.00 0	9, 220 12, 240		12, 240	9	0	2, 450 2, 490	0	2, 480	Đ	0	830 850	840, 000 0	830 850	840, 000 0	0	830 850	845, 000 0
Sum. 2 22, 000		204, 453, 250		147, 303, 000	57, 150, 250		54, 562, 000		39, 861, 500	14, 700, 500		25, 342, 000		13, 405, 000	11, 937, 000		12, 030, 000
23.00 1,000	5.860	5, 975, 000	5, 860	5, 975, 000		1,300	1, 340, 000	1,300	1,349,000	0	450	455,000	450	455.000	0	470	470,000
24.00 1,000 25.00 1,000	6, 090 6, 570		6, 090	5, 780, 000 4, 950, 000	550, 000 2, 250, 000	1,380	1, 375, 000	1, 380 890	1, 135, 000 730, 000	240,000 840,000	460 910	685,000 945,000	460 560	\$10,000 475,000	175, 000 470, 000	470	235, 000 0
26.00 D 26.00 1.000	7, 850 8, 320		4, 430	Ŏ	0	1, 370 1, 560	0	570 660	330, 000	1, 290, 000	980 1, 480	0 1, 310, 000	390 820	0 410,000	900, 000	0	0
27.00 1,000	12, 670	13, 850, 000	0	0	13, 850, 000 14, 170, 000	1,680	1, 770, 000	0	0	1, 770, 000	1, 140	1, 240, 000	0	0	1, 240, 000	0	Ö
28.00 1,000 29.00 1,000	15,030 13,390	9, 365, 000	80	40,000 2,710,000	6, 655, 000	2,010	1, 755, 000	0	750,000	1,005,000	1, 390	\$45,000	Û	250,000	695,000	0	255, 000
30.00 1,000 31.00 1,000	5, 340 6, 170	5, 755, 000 5, 490, 000	4, 360	4, 585, 000	905, 000 905, 000	1, 820	1,500,000	950	1, 230, 000 1, 170, 000	330,000 330,000	500 _1,120	810,000 1,040,000	500 620	560,000 790,000	250,000 250,000	510	255, 600 0
32,00 1,008 33,00 1,000	4, 810 4, 710	4, 750, 000 8, 830, 000	4, 600	2, 300, 000	55,000 8,530,000	1, 380 1, 440			1, 320, 000 630, 000		960 1,020		950 840	900, 000 420, 000	90,000 125,000	- 0	0
34.00 1,000 35.00 1,000	12, 950 32, 470	22,716,000 22,400,000	0	0	22, 710, 000 22, 400, 000	1, 830 2, 550		0	0	2, 190, 000 2, 325, 000	1, 760	1, 515, 000 1, 595, 000	0	0	1,595,000 1,595,000	0	0
36,00 1,000 37,00 1,000	12, 330 12, 190	12, 260, 000 15, 760, 000	0	0	12, 260, 000 15, 760, 600	2, 100 1, 770		0	0	1, 935, 000 1, 935, 000	1,430	1, 320, 000 1, 325, 000	0	0	1, 320, 000 1, 325, 000	0	0
38.00 0 38.00 1.000	19, 330 22, 620	31, 410, 600	0	0	31, 440, 000	2, 100 3, 300	4, 020, 000	0	0	4, 020, 000	1, 440 2, 250	2, 500, 000	0	0	2, 500, 000	0	0
39.00 1,000 40.00 1,000	40, 260 19, 190	29, 725, 000 21, 780, 000	0	_0	29, 725, 000 21, 780, 000	4, 740	3, 990, 000	00	0	3, 990, 000 3, 650, 000	3, 200	2, 970, 000 2, 755, 000	0	0	2, 970, 000 2, 755, 000	0	0
41.00 1.000	24, 370	30, 110, 000	0	0	39, 110, 000 61, 540, 000	4,080	4, 350, 000	Ö	0	4, 350, 000 6, 435, 000	2, 770 3, 180	2, \$75, 000 4, 350, 000	0	0	2, 975, 000 4, 350, 000	0	- ŏ
43.00 1,000	35, 850 87, 230	61, 540, 000 75, 075, 000	0	0	75, 075, 000	8, 250	7, 110, 000	0	0	7, 110, 000 4, 035, 000	5, 520	4, 770, 000	0	0	4, 770, 000	0	0
44.00 1,000 45.00 1,000	31, 330	47. 125. 000 32. \$90. 000	0	ŏ	32, 590, 000	2, 100		000	0	3, 225, 000	1,420	2, 720, 000 2, 220, 000 2, 280, 000	0	0	2, 720, 000	0	0
45.60 j,000 47.00 j,000	33, 850 12, 220	23, 035, 000 9, 990, 000	0	0		2, 190	3, 270, 000 1, 985, 000	0	0		3,020 1,549	1, 390, 000	0		2, 280, 000 1, 390, 000	0	0
48.00 1,000 49.00 1,000		10, 055, 000 13, 370, 000	0	0	13, 370, 000	1, 350	1, 875, 000 1, 965, 000	0	0	1, 875, 000 1, 965, 000		1, 280, 000 1, 350, 000	0 0	0	1, 350, 000	0	<u>u</u>
50.00 0 Scra. 3 27,000	14, 390	551, 235, 000	0	38, 137, 000		1,980	71,585,000	0	8, 635, 000	52, 950, 000	1,400	48, 255, 000	0	4,770,000	43, 485, 000	0	1, 215, 000
																Í <u> </u>	
50.00 1,000 51.00 1,000	25, 820 23, 020	24, 420, 000 16, 375, 600	2,250	1, 125, 000 4, 475, 000	23, 295, 000 11, 900, 000		2, 695, 600	0 390	195, 000 855, 000	2,765,000 1,840,000	2, 180 1, 860		280	140, 000 \$55, 000	1, 880, 000 1, 280, 000	0	0
52.00 J.000 53.00 J.000	9, 730 10, 140	9, 935, 000 8, 380, 000	6, 700	4, 185, 000 835, 000	5, 750, 000 7, 545, 000	2,670	2, 755, 000 2, 585, 000	1, 120 800	1, 060, 000 400, 000	1, 705, 000 2, 185, 000	1,810		830 440	635, 000 220, 000		0	0
\$4.00 0 Sum. 4 4,000	6, 620	59, 110, 600	0	0 19, 620, 000	0 48, 490, 000	2, 310	11,005,000	0	0 2, 510, 000	0 8,495,000	1, 860	7, 490, 000	0	1,550,000	0 5, 940, 000	0	0
1,000		\$5, [10,000		10, 010, 030	10, 100, 000		11,000,000					1, 119,000		1, 400, 500	-0,000,000		
\$4.00 1,000 \$5.00 1,000	6, 620 1, 720	4, 170, 000	1 220	850,000	3, 310, 000	2,310 2,440	2, 375, 000 2, 285, 000	2 440	1, 220, 000	1, 155, 000 0	1,650	1, 250, 000 855, 000	0 840	420, 000 855, 000	830,000	0	440,000
56.00 1.000	690	3, 205, 000 345, 000	£30	1, 205, 000 345, 000	0	2, 130	1, 975, 000	2, 130	2, 285, 000 1, 975, 000	0	840 870	815,000	870	815,000	0	920	900,000 850,000
57.00 1,000 58.00 1,000	0 480	240,000 439,000	480	240,600 430,000	0	1,820 2,320	2,000,000	2, 320	2,070,000 2,000,000	0	760 920	840, 000 855, 000	920 920	840, 000 855, 000	0	780 1.030	905, 000 920, 000
59.00 1.000 60.00 1,000	<u>380</u> 340	350,000 170,000	380 340	380,000 170,000	0	1,680 1,810	1, 455, 000	1.810	1,745,000 1,455,000	0	790 840	815, 000 810, 000	790 840	815,000 810,000	0	810 910	850, 000 855, 000
51.00 1,000 52.00 1,000	0 	240,000 570,000	0 489	240, 000 570, 000	0		1, 810, 000	1, 780	1, 440, 000 1, 810, 000	0	780 810	795, 000 810, 000	780 810	795,000 810,000	0 8	800 830	815, 000 830, 000
63.00 1,000 64.00 1,000	560 110	385, 000 115, 000	560 110	385,000 115,000	0	1, 540	1, 690, 000	1, 840	1, \$90, 000 1, \$80, 000	0	810 770	790,000 775,000	810 770	790,000 775,000	0	830 790	810,000 795,000
65.09 1,000 65.00 5,500	120	50,000 0	120	60,000 O	. 0	1, 620 1, 080	1, 350, 000	1, 620	1, 350, 000 2, 570, 000	0	780 740	760,000 2,035,000	780 740	760,000 2,035,000	0	800 760	780,000 2,090,000
71.50 0 Sim. 5 17,500	0	8, 290, 000	- 0	0 4, 980, 000	0 3, 319, 000	0	24, 745, 000	0	23, 590, 000	1, 155, 000	0	12, 205, 000	0	11, 375, 000	830,000	0	0 11, 850, 000
11, 10		0, 630, 000		7, 300, 400	4, 419, 000		47, 174, 000		-7, 770, 100	4, 193, 000		25, 203, 000		11, 313, 600	330,000		11, 030, 000
<u>5-16</u>													<u> </u>				
Sua 1 12, 100		2,060,000		2,060,000	0		19, 501, 500		19, 501, 500	0		6, 419, 500		6, 419, 500	0		6, 419, 500
Sem. 2 22,000 Sem. 3 27,000		204, 453, 250 551, 235, 000		147, 303, 600 38, 137, 000	57, 150, 250 513, 098, 000		54, 562, 000 71, 585, 000			62, 950, 000		25, 342, 000 48, 255, 000	:	4, 770, 000	11, 937, 000 43, 48\$, 000	<u> </u>	12,030,000 1,215,000
Sun. 5 17, 500		59, 110, 000 8, 290, 000		10, 620, 000 4, 980, 000	48, 490, 000 3, 310, 000		11,005,900 24,745,000		23, 590, 000	8, 495, 000 1, 155, 000		7, 490, 000 12, 205, 000		1, 550, 000 11, 375, 000	\$, 910, 600 830, 000		0 11, 856, 000
10tal 82,600		825, 148, 250	Ц	203, 100, 000			181, 398, 500		94, 098, 000		L	99, 711, 500			62, 192, 000		31, 514, 500

S-17	D-T/	Ça.	сшас	ion ta	nre	Or EX	.cav	acton	voa.cu.							
Station Dis No. (m) -11.50 8,500	Ao Vo 0 9,222,		#et YI 1, 222, 500	Dry V2		10, 710, 000	Solt Refet Al	Wet VI 10, 710, 000	Dry Y2	λο 0	4, 080, 000	Earth fot Al	Wet VI 4,080,000	Dry V2	Had Ao 0	Vo 4, 080, 000
-3, 00 4, 000 1, 00 0 Suel 1 12, 500	2, 170 11, 520, 3, 540 20, 812,	000 2,170 11 0 3,640 500 20	0 0 0,842,560	0 0	3,000	11,040,005 0 21,750,000	3,000	11, 640, 600 0 21, 750, 600	0	950 1,000	3, 920, 000 0 8, 000, 000	360 1,000	3, 920, 000 0 8, 000, 000	0	950 1,000	3, 920, 000 0 8, 000, 000
1.00 50 1.05 1,150	3, 640 292, 8, 040 9, 248,		114,750 ,092,500	177, 250 8, 153, 500	3.000 3.000	150,000 3,450,600	380 520	22, 500 598, 000	127, 500 2, 852, 000	2,000 2,000	100,000 2,300,000	0	<u>0</u>	100,000 2, 300, 000	0	
2. 20 10 2. 21 190 2. 40 10		400 950 600 950	9,500 180,500 9,500	70, 900	3,000 3,000 3,000	30, 000 570, 000 30, 000	520 520 520	5, 200 98, 800 5, 200	24, 800 471, 200 24, 800	2,000 3,000 3,000	25,000 570,000 25,000	0 0 0	0 0 0	25,000 570,000 25,000	000	0 0
2.41 590 3.00 2,000 5.00 1,000	8, 040 4, 743. 8, 040 15, 550. 7, 510 8, 890.	600 950 0 000 950 1	560, 500 1, 900, 800 5, 610, 000	4, 183, 100 13, 650, 000	3,000 3,000 3,700	1,770,000 6,700,000 3,155,000	520 520 520	306, 800 1, 840, 800 1, 565, 890	1, 461, 200 5, 660, 000 1, 590, 000	2,000 2,000 2,000	1, 180, 000 4, 000, 600 1, 470, 600	0 0 0	0 0 470,000	1, 180, 000 4, 000, 000 1, 000, 000	0	0 0 470,000
6.00 1,000 7.00 1,000 8.00 1,000	10, 270 10, 685, 11, 100 11, 935, 12, 770 10, 795,	000 10, 270 10 000 11, 100 11 000 12, 770 10	0, \$85, 000 1, 935, 000 0, 795, 000	0 0 0	2, 610 2, 820 2, 790	2, 715, 000 2, 805, 000 2, 700, 000	2, 790	2,715,000 2,805,000 2,700,000	0	940 940 970	940, 000 955, 000 925, 000	940 940 970	940, 000 955, 000 925, 000	0	940 950 970	945, 800 950, 000 950, 000
9.00 1,000 10.00 1,000 11.00 1,000	12, 780 11, 505, 10, 230 10, 975,	000 8,820 10 000 12,780 11 000 10,230 10	i, 505, 000 D. 975, 000	0	2, 510 2, 760 2, 640	2, 685, 000 2, 700, 000 2, 685, 000	2, 760 2, 640	2,700,000 2,685,000	0	880 970 950	925, 000 960, 000 950, 000	\$80 970 950	925, 000 960, 000 950, 000	0	950 970 960	960,000 965,000 955,000
12.00 1.000 13.00 1.000 14.00 1.000	10,860 11,820. 12,780 11,280.	000 11, 720 11 000 10, 850 11 000 12, 780 11	1, 820, 000 1, 289, 000		2,730 2,740 2,850 2,850	2, 735, 000 2, 795, 000 2, 850, 000 2, 955, 000	2, 740 2, 850	2, 735, 000 2, 795, 000 2, 850, 000 1, 425, 000	0 0 0 1,530,000	950 950 950 950	950, 000 950, 000 950, 000 1, 500, 000	950 950 950 950	950,000 950,000 950,000 475,000	0 0 0 1, 025, 000	950 950 950 950	955,000 955,000 955,000 480,000
15.00 1,000 16.00 1,000 17,00 1,000 18.00 1,000	23, 940 23, 755, 23, 570 19, 200,	000 9,780 4 000 0 5 000 10,950 12 000 14,830 13	5, 480, 000 2, 895, 000			3, 030, 000 2, 870, 000 2, 795, 000	0 1,030	\$15,000 1,885,000 2,785,000	2, 515, 000 985, 000	2, 050 2, 110 940	2,080,000 1,525,000 945,000	710 340	355, 000 825, 000 945, 000	1, 725, 000 700, 000 0	0 0 950	0 475, 000 955, 000
19.00 1,000 20.00 1,000 21.00 1,000	11, 430 15, 965, 20, 500 16, 825,	000 10, 100 11 000 13, 150 12	0, 765, 000 3, 625, 000	5, 200, 000 5, 200, 000 0	2, 850 3, 040 2, 850	2, 845, 000 2, 945, 000 2, 850, 000	2, 850 1, 690 2, 850	2, 270, 500 2, 270, 000 2, 850, 000	675, 000 675, 000 0	950 2,040 950	1, 495, 000 1, 495, 000 950, 000	950 1, 100 950	1,025,000 1,025,000 950,000	470,000 470,000 0	\$60 0 \$50	480,000 475,000 950,000
22.00 i,000 23.00 0 Son. 2 22,000		000 01,410 13	3, 710, 000 9 5, 337, 250	0 0 77, 882, 750	2, 850 2, 880	2, 865, 000 0 63, 780, 000	2, 850 2, 880	2, 855, 000 8 45, 186, 500	0 0 18, 593, 500	950 960	955, 000 0 29, 120, 000	950 960	955, 000 0 15, 530, 000	0 0 15, 590, 000	950 980	955,000 0 13,860,000
23.00 1,000	7, 500 7, 725,	000 7, 800 7 000 7, 850 7	7, 725, 000	780,000	1,450	1, 510, 000 1, 545, 000	1, 450	1, 510, 000 1, 250, 000	0 285,000	500 520	510,000 780,000	500 520	510,000 570,000	0 210,000	530 530	\$30,000 265,000
24.00 1,000 25.00 1,000 26.00 0 26.00 1,000	8, 160 8, 880, 9, 600	000 6,600 5 0 5,380	5, 990, 000 0 2, 800, 000	2, 890, 000 0 9, 445, 000		1,545,000 0 1,800,000	960 650 760	810, 000 8 380, 000	735, 000 0 1, 420, 000	1,040 1,060 1,200	1, 050, 000 0 1, 239, 000	620 420 480	520, 000 0 240, 000	\$30,000 0 990,000	0 0	0 0
27,00 1,000 28,00 1,000 29,00 1,000	14,070 15,570, 17,070 16,460, 15,650 11,325,	000 0	0 385,000 3,785,000	15, 570, 000 16, 075, 000	1, 830	1, 965, 000 2, 130, 000 1, 905, 000	0 60	30,000 855,000	1, 565, 000 2, 100, 000 1, 050, 000	1, 260 1, 450 1, 500	1, 360, 000 1, 480, 000 1, 930, 000	0 0 40	20,000 300,000	1, 360, 900 1, 480, 900 738, 900	0	0 0 285, 000
30,00 1,000 31,00 1,000 32,00 1,000	5, 800 7, 540, 8, 250 7, 180, 5, 980 5, 220,	000 6,800 6 000 5,400 5 000 6,080 6	6, 100, 000 5, 740, 000 6, 045, 000	1, 440, 000 175, 000	1, 830 1, 560	1, 510, 000	1, 580	1, 350, 000 1, 305, 000 1, 450, 000	390, 000 390, 000 150, 000	520	890,000 870,000 820,000	\$50 \$50 520	\$10,000 590,000 700,000	280,000 280,000 120,000	570 0 540	285,000 270,000 270,000
33,00 1,000 34,00 1,000 35,00 1,000	15, 220 25, 735, 36, 250 25, 675,	000 0	0, 005, 000 0 0	25, 735, 000 25, 675, 000	1, 970 2, 580	1, 815, 000 2, 325, 000 2, 490, 000 2, 140, 000	3, 380 0 0		1, 135, 000 2, 325, 000 2, 490, 000 2, 140, 000		1, 250, 000 1, 600, 000 1, 690, 000 1, 450, 000	880 0 0	440,000 0 0	810,000 1,600,000 1,690,000 1,450,000	0	0
36.00 1.000 37.00 1.000 38.00 0 38.00 1.000	14, 270 18, 110, 21, 950	000 0	0	18, 110, 000 0 34, 155, 000	1, 380 2, 280 3, 360	2, 130, 000 0	0	0	2, 130, 000	1,340 1,540	1,440,000	0	0	1, 440, 000 0	0	 0 0
39.00 1,000 40.00 1,000 41.00 1,000	43, 690 32, 765.	000 0 000 0	0 0	32, 765, 000 24, 730, 000 33, 435, 000	4, 800 3, 450 4, 240	4, 125, 009 3, 845, 000	0	0	4, 125, 000 3, 845, 000	3, 300 2, 880	3, 090, 000	0 0	0 0 0	3, 090, 000 2, 850, 000 3, 090, 000	0	0
42.00 1.000 43.00 1.000 44.00 1.000	66,060 50,810.	000 D	0 0 0	55, 340, 000 79, 745, 000 50, 810, 000	4, 800 8, 440 6, 050	6, 620, 000 7, 250, 000 4, 490, 000	0	0 0	7, 250, 000 4, 490, 000	5, 640 4, 100	3,060,000	0	0	4, 490, 000 4, 870, 000 3, 060, 000	0	0 0
45.00 1.000 47.00 1.000		000 0 000 0	0 0 0	36, 590, 000 26, 155, 000 12, 475, 000 12, 620, 000	2, 920 4, 560 2, 470 2, 640	3, 740, 000 3, 515, 000 2, 255, 000 2, 100, 000	0 0 0	0 0 0	3, 515, 000 2, 255, 000	3, 100 1, 670	2,560,000 2,385,000 1,525,000 1,420,000	0 0 0	0 0	1, 525, 000	0 0 0	0 0
48.00 1,000 49.00 1,000 50.00 0 See. 3 27,000	14. 980 16, 040 <u>.</u> 17, 100	000 0	0	16, 040, 000 D 573, 295, 000	2, 160 2, 200	2, 180, 000 0 17, 065, 000	0	0	2, 180, 000	1,450 1,560	1,510,000	0	0	1,510,000	0	0 0 1, 905, 000
50.00 1,000	31, 250 29, 175,	.000 0	1, 730, 000	27, 445, 000 15, 210, 000	3,540	3, 305, 000	Ó	285,000	3, 020, 000	2, 460	2, 300, 000	0	210,000	2, 090, 000	0	9
\$2,00 1,000 \$3,00 1,000	14, 590 14, 600. 14, 610 11, 995.		5, 070, 000 1, 170, 000	9, 530, 000 10, 825, 000	3,070 3,040 3,260	3, 055, 000 3, 150, 000 2, \$80, 000	570 1,300 800	1, 050, 000 400, 000	2, 120, 000 2, 100, 000 2, 580, 000	2,040 2,210	2,090,000 2,125,000 2,070,000	800 440	610,000 620,000 220,000	1, 505, 000 1, 850, 000	0 0 0	0
54.00 C Sure. 4 4,000		,000 1	3, 600, 000	63, 010, 000	2, 700	0 12, 490, 000	0	2, 570, 000	9, 820, 000	1, 930	8,585,000	0	1, 660, 000	6, 925, 000		Ö
\$4,00 1,000 55,00 1,000 56,00 1,000	4 620 3 775	DOO 4 620	3, 775, 000	4, 590, 000 0 0	2,700 2,880 2,810	2, 625, 000	2, 510	1, 440, 000 2, 745, 000 2, 625, 000	1, 350, 900 0	930	1, 460, 000 1, 015, 000 970, 000	990 1,040	495, 000 1, 015, 000 970, 000	965,000 0	0 1,060 1,120	\$30,000 1,090,000 1,025,000
57, 69 1, 600 58 60 1, 600 59, 60 1, 600	3, 160 2, 440 1, 720 1, 975	.000 1,720	2, 440, 000 1, 975, 000	0 0 0	2, 540 3, 000 2, 730	2, 865, 000 2, 835, 000	2,730	2, 835, 000	0 0 0	950		950	1,035,000 1,060,000 1,025,000	0 0 0	: 970	
60.00 1,000 61.09 1,000 62.00 1,000	1,010 1,540 2,070 2,170	.000 1,010 .000 2,070	1, 620, 000 1, 540, 000 2, 170, 000	0	2, 940 2, 610 2, 790	2, 700, 000 2, 805, 000	2, 510	2, 775, 000 2, 700, 000 2, 805, 000	0	900 970	935, 000 975, 000	900 \$70	935,000 975,000	0	920 990	1, 025, 000 955, 000 995, 000
63.00 1.000 64.00 1.000 65.00 1.000	1, 310 1, 345 1, 380 855,	,000 1,310 ,000 1,380	1, 790, 600 1, 345, 600 855, 600 1, 633, 500	0 0 0		2, 650, 000 2, 605, 000	2,700 2,600	2, 760, 000 2, 650, 000 2, 605, 000 12, 919, 500	0 0 0	\$40 950	950,000 945,000 930,000 4,504,500	980 940 950 910	960, 000 945, 000 930, 000 4, 504, 500	0 0 0	950 960 920	980,000 960,000 940,000 4,554,000
65.00 9,900 75.90 0 Sua. 5 21,900	0	0 0	25, 558, 500 25, 558, 500	4, 690, 000	0	12, 313, 500 0 45, 894, 500	0	12, 919, 300 0 44, 544, 500	Ö		16, 814, 500 16, 814, 500	0		965,000	0	16, 304, 000
S-17															12	
Sum. 1 12, 500 Sum. 2 22, 000 Sum. 3 27, 000	273, 220, 622, 005	,000 19 ,000 4	20, 842, 500 15, 337, 250 18, 800, 000	77, 882, 750 573, 205, 000		21, 750, 000 \$3, 780, 000 77, 065, 000		9, 640, 000	18, 593, 500 57, 425, 000		8,000,000 29,120,000 51,050,000		4, 500, 000	13, 590, 000 46, 550, 000		8, 000, 000 13, 860, 000 1, \$05, 000
Sca. 4 4,000 Sca. 5 21,900 TOtal 87,400	30, 248	. 500 2	13, 600, 000 25, 558, 500 04, 138, 250	63, 010, 000 4, 690, 000 718, 787, 750		12, 490, 000 45, 894, 500 220, 979, 500	<u> </u>		9, 820, 000 1, 350, 000 97, 188, 500		8, 585, 000 15, 814, 500 113, 569, 500		1, 650, 000 15, 849, 500 45, 539, 500			15, 304, 000 40, 069, 000

5 10	, L		41000	CLOII I			n 44 n								u. 1	
No. (a) 11.60 8,600 1.00 0					Ao 0 2,800 3,300	12, 040, 000 12, 200, 000	2,800 3,300	Wet VI 12,040,000 12,200,000 0	Och AS	Ao 0 1,060 1,100	Yo 4, 558, 000 1, 320, 000 0	carth Vet A1 0 1,060 1,100	Wet V1 4,558,000 4,320,000 0	Dry V2 0 0 0	1,060 1,100	Yo 4, 558, 000 4, 320, 000 0
Sus. 1 12, 600	4, 000	321, 000 520	23, 120, 000 39, 000	282,000	3, 300	24, 240, 000 165, 000 3, 795, 000	410 570	24, 240, 000 24, 500 855, 500	140, 500 3, 139, 500	2, 200	8, 878, 000 110, 000 2, 530, 000	0	8, 878, 000 0	110,000 2,530,000	0	0
2, 20 10 2, 21 190 2, 40 10 2, 41 590	8, 840 8, 810 1	0, 165, 000 1, 040 88, 400 1, 040 1, 679, 600 1, 640 88, 400 1, 640 5, 215, 600 1, 040	1, 196,000 10,400 197,600 10,400 613,600	78,000 1,482,000 78,000	3, 300 3, 300 3, 300 3, 300 3, 300	33, 000 627, 000 33, 000 1, 947, 000	570 570 570 570	5, 700 108, 300 5, 700 336, 300	27, 300 518, 700 27, 300 1, 610, 700	2, 200 3, 300 3, 300 2, 200	27,500 627,000 27,500 1,298,000	0 0 0	0 0 0	27, 500 627, 000 27, 500 1, 298, 000	0 0 0	0 0 0 0
3,00 2,000 5,00 1,000 6,00 1,000 7,00 1,000	8, 840 17 8, 300 9 11, 400 18 12, 840 13	7, 140, 000 1, 640 8, 850, 000 1, 040 7, 120, 000 1, 400 1, 350, 000 12, 840	2, 080, 000 6, 220, 000 12, 120, 000 13, 380, 000	15, 060, 000 3, 630, 000 0	3, 300 4, 500 2, 970 2, 980 2, 910	7, 800, 000 3, 735, 000 2, 975, 000 2, 945, 000 2, 850, 000		1, 770, 000 2, 975, 000 2, 945, 000	1, 965, 000 0	\$90	4, 400, 000 1, 595, 000 995, 000 1, 005, 000 970, 000	990 1,000 1,010	995, 000 995, 000 1, 005, 000 970, 000	4, 400, 000 1, 100, 000 0 0	1,000	500,000 1,000,000 1,010,000 1,010,000
8.00 1,000 9.00 1,000 10.00 1,000 11.00 1,000 12.00 1,000	9, 980 11 13, 900 12 10, 950 11	1, 950, 000 13, 920 1, 940, 000 9, 980 2, 445, 000 13, 900 1, 840, 000 10, 950 2, 100, 000 12, 650	11, 940, 000 12, 445, 000 11, 840, 000	0 0 0	2, 790 2, 910 2, 790 2, 830	2,850,000 2,850,000 2,810,000 2,870,000	2,790 2,910 2,790 2,830	2, 850, 000 2, 850, 000 2, 810, 000 2, 870, 000	0 0 0	930 1,010 1,000 980	970, 000 1, 005, 000 993, 000 990, 000	930 1,010 1,000 980	970, 000 1, 005, 000 990, 000 990, 000	0 0	1,000 1,020 1,000 980	1, 010, 000 1, 010, 000 990, 000 1, 000, 000
13,00 1,000 14,00 1,000 15,00 1,000 15,00 1,000 17,00 1,000	13, 590 8 3, 260 14 25, 600 25	5, 560, 000 0	8, 425, 000 1, 630, 000	0 12, 800, 000 19, 400, 000	2, 910 3, 000 3, 000 3, 210 3, 180	2, 955, 060 3, 000, 000 3, 105, 000 3, 195, 000 3, 035, 000	3,000 3,000 0	3,000,000 1,500,000 570,000	0 1, 605, 000	2, 150	1,000,000 1,000,000 1,575,000 2,050,000 1,465,000	1,000 1,000 1,000 0 480	1,000,000 1,000,000 500,000 240,000 730,000	0 1,075,000 1,810,000 735,000		1,015,000 1,055,000 550,000 0 565,000
18.00 1,000 19.00 1,000 20.00 1,000 21.00 1,000	15, 730 13 11, 910 13 22, 430 16 14, 900 14	9, 820, 000 15, 730 7, 170, 000 11, 910 8, 685, 000 11, 020 4, 085, 000 14, 903	13, 820, 000 11, 465, 000 12, 550, 000 14, 085, 000	5, 705, 000 5, 705, 000 5, 705, 000	2, 890 3, 000 3, 210 3, 010	2, 945, 000 3, 105, 000 3, 110, 000 3, 005, 000	2, 890 3, 000 1, 770 3, 010	2, 945, 000 2, 385, 000 2, 390, 000 3, 005, 000	720,000 720,000 720,000	980 1,000 2,160	990,000 1,580,000 1,580,000 1,000,000 1,010,000	980 1,000 1,140 1,000	990,000 1,070,000 1,070,000 1,000,000 1,010,000	510,000 510,000 0		1, 005, 000 500, 000 505, 000 1, 005, 000 1, 010, 000
	17, 140	5, 205, 000 13, 278 0 17, 140 0, 859, 000	15, 205, 000 0 205, 467, 000	0 0 84, 392, 000	3, 000 3, 030	3, 015, 000 0 68, 755, 000	3, 030	3, 015, 000 0 47, 978, 000	20, 779, 000	1,020	0 30, 790, 000		0 16, 030, 000	0 14, 750, 000	1,020	0 4, 580, 000
23.00 1,000 24.00 1,000 25.00 1,000 26.00 0 26.00 1,000	8, 580 9, 040 10, 390	8, 395, 000 8, 210 8, 810, 000 8, 580 8, 715, 000 7, 260 6 5, 830 3, 080, 000 8, 100	8, 395, 000 7, 920, 000 6, 545, 000 0 3, 050, 000	890, 000 3, 170, 000 0			1,570 1,630 1,020 710 810	1, \$00, 000 1, 325, 000 865, 000 0 405, 000	310,000 775,000 0 1,500,000	540 550 1, 100 1, 150 1, 280	545,000 825,000 1,125,000 0 1,300,000	540 550 660 480 520	545, 000 605, 000 570, 000 0 260, 000	0 220,000 555,000 0 1,040,000	550 560 0 0	\$55, 000 280, 000 0 0
27.00 1,000 28.00 1,000 29.00 1,000 30.00 1,000	15,010 1 18,380 1 17,070 1 7,630	6, 695, 000 0 7, 725, 000 6 2, 350, 000 1, 189 8, 710, 000 7, 530	0 590, 000 4, 405, 000 6, 875, 000	16, 695, 000 17, 135, 000 7, 945, 000 1, 835, 000	1, 940 2, 160 2, 280 1, 770	2,050,000 2,220,000 2,025,000	0 110 1,770 1,110	55, 600 940, 000 1, 440, 000 1, 395, 000	2, 050, 000		1, 430, 000 1, 550, 000 1, 080, 000 995, 000 975, 000	0 0 89 600 700	40,000 340,000 650,000 630,000	1, 430, 000 1, 510, 000 740, 000 345, 000 345, 000	0 0 0 610	0 0 305, 000 305, 000 285, 000
31,00 1,000 32,00 1,000 33,00 1,000 31,00 1,000 35,00 1,000	6,800 7,220 16,690 2	8, 295, 000 6, 120 7, 010, 000 6, 800 1, 955, 000 6, 700 7, 475, 000 0 7, 395, 000 6	6, 460, 000 6, 750, 000 3, 350, 000 0	27, 475, 000 27, 395, 000	1, 780 2, 049 2, 780	1, 739, 000 1, 910, 000 2, 410, 000 2, 605, 000	1,680 1,410 0	1, 545, 000 705, 000 0	185,000 1,205,000 2,410,000 2,605,000	560 1,210 1,430 1,890	885,000 1,320,000 1,660,000 1,770,000	580 930 0 0	745, 000 465, 000 0	140,000 855,000 1,650,000 1,770,000	570 0 0 0	285, 000 0 0
	1 15, 480 1 0 23, 520 0 28, 610 3	6, 005, 000 0 9, 500, 000 0 0 0 5, 990, 000 0 4, 295, 000 0	0 0	16, 005, 000 19, 500, 000 0 35, 890, 000 34, 295, 000		2, 250, 000 2, 215, 000 0 4, 170, 000 4, 215, 000	0 0 0	0 0 0 0	4, 170, 000 4, 215, 600	1,400 1,590 2,420 3,380	1, 525, 000 1, 495, 000 0 2, 900, 000 3, 150, 000	0 0 0	0 0 0 0	1, \$25, 000 1, 495, 000 0 2, 900, 000 3, 160, 000	0 0	0 0 0
	23, 220 2 0 29, 170 3 0 41, 310 6 0 95, 200 8	5, 195, 000 0 5, 240, 060 0 8, 255, 000 0 5, 235, 000 0 7, 495, 000 0	0 0 0	26, 195, 000 35, 240, 000 68, 255, 000 86, 235, 000 57, 495, 000	3, 540 4, 380 4, 920	3, 960, 000 4, 650, 000 5, 690, 000 7, 290, 000 4, 580, 000	0 0 0 0	0 0 0	3, 960, 000 4, 650, 000 6, 650, 000 7, 290, 000 4, 580, 000	2, 960 3, 380 5, 700	2, 950, 000 3, 170, 000 4, 540, 000 4, 900, 000 3, 090, 000	0 0	0 0 0 0	4, 900, 000	0 0 0	0 0 0
45.00 1,000 46.00 1,000 47.00 1,000 48.00 1,000	37, 720 3 33, 120 2 1 15, 210 1 1 10, 910 1	8, 420, 000 0 7, 165, 000 0 3, 050, 000 0 3, 475, 000 0	0	38, 420, 000 27, 165, 000 13, 060, 000 13, 475, 000 17, 280, 000	3, 040 4, 630 2, 570 2, 130	3, 835, 000 3, 600, 000 2, 350, 000 2, 185, 000	0	0 0 0	3, 835, 000 3, 860, 000 2, 350, 000 2, 185, 000 2, 245, 000	2, 080 3, 110 1, 730 1, 440	2,595,000 2,420,000 1,585,000 1,480,000 1,570,000	0 0 0 0			0 0 0	0 0
49.00 1,000 50.00 (Sua. 3 27,80)	18, 520	7, 283, 000 0 0 0 6, 220, 000	0 54, 340, 000	0 611, 880, 000	2, 250	79, 640, D00	0	0 10, 275, 000	0 63, 365, 000	1, 620	52, 840, 000	0	4, 850, 000	0 47, 990, 000	0	0 2,015.000
52.00 1.00 53.00 1.00	0 28,820 2 0 15,920 1	0, 995, 000 0 22, 370, 000 3, 850 15, 965, 000 8, 330 13, 250, 000 2, 470 0 0	5, 400, 000	29, 070, 000 16, 289, 000 10, 565, 000 12, 015, 000 0	3, 230 3, 170	3, 200, 000 3, 285, 000	0 820 1, 290 790	310, 000 955, 000 1, 040, 000 395, 000	2. 245. 000 2, 245. 000	2, 250 2, 180 2, 280	2, 215, 000 2, 230, 000	470 840 440	555, 000 \$40, 000 220, 000	1, 560, 000 1, 590, 000	0 0 0	0 0 0
\$4.4 4,00 54.00 1,00	0 10.490	8, 155, 000 0	2, 910, 000	67, 930, 000 5, 245, 000	2,860	2, 945, 000	0		10, 390, 000			0		1,000,000	0 1, 130	565, 000 1, 150, 000
55.00 1,00 56.00 1,00 57.00 1,00 58.00 1,00 59.00 1,00	0 3,440 0 1,570 0 3,300 0 2,330	4, 630, 000 5, 820 2, 505, 000 3, 440 2, 435, 000 1, 570 2, 815, 000 3, 300 2, 675, 000 2, 330	2, 505, 000 2, 435, 000 2, 815, 000 2, 675, 000	0 9 0	2, 790 3, 360 2, 910	2, 940, 000 3, 075, 000 3, 135, 000 3, 000, 000	3, 090 2, 790 3, 360 2, 910	2, 940, 000 3, 975, 000 3, 135, 000 3, 009, 000	0 0 0	1, 110 900 1, 250 1, 010	1, 005, 000 1, 075, 000 1, 130, 000 1, 165, 000	1, 110 900 1, 250 1, 010	1, 005, 000 1, 075, 000 1, 130, 000 1, 065, 000	0 0 0	1, 170 910 1, 310 1, 030	1,010,000 1,110,000 1,170,000 1,085,000
60,000 1,60 61,00 1,00 62,00 1,00 63,00 1,00 64,00 1,00	0 1,890 0 230 0 3,070	2, 455, 000 3, 020 1, 050, 000 1, 890 1, 650, 000 230 2, 430, 600 3, 070 1, 720, 600 1, 790	1, 060, 000 1, 650, 000 2, 430, 000	0 0 0 0	3, 090 2, 850 2, 970 3, 000 2, 850	2, 910, 000 2, 985, 000 2, 925, 000	2, 850 2, 970 3, 000	2, 970, 000 2, 910, 000 2, 985, 000 2, 925, 000 2, 850, 000	0 0 0 0	1,000 1,030 1,040	1, 015, 000	1,000 1,030 1,040	1,035,000	0 0	1, 140 1, 020 1, 050 1, 060 1, 020	1, 080, 000 1, 035, 000 1, 055, 000 1, 040, 060 1, 060, 000
65.00 1,00 65.00 11,20	0 1,650 0 1,040 0 0	1, 345, 000 1, 650 5, 824, 000 1, 040 0 0 39, 699, 000	1, 345, 000	0	2, 850	2, 805, 000 15, 456, 000 0 51, 056, 000	2.850	2, 805, 000	0	990 950 0	975, 000 5, 376, 000	990 950 0	975, 000 5, 376, 000	0 0	1, 100 980 0	1, 040, 000 5, 483, 000 0 17, 918, 000
S-18																
Sca. 1 12, 60 Sca. 2 22, 00 Sca. 3 27, 00 Sca. 4 4, 00	0 2: 0 6:	23, 120, 000 90, 859, 000 66, 220, 000 82, 580, 000	23, 120, 000 206, 467, 000 54, 340, 000 14, 650, 000	84, 392, 000 511, 880, 000 57, 930, 000		24, 240, 000 68, 755, 000 79, 640, 000 13, 090, 000		10, 275, 000 2, 700, 000	0 20, 779, 600 69, 365, 000 10, 390, 000		8, 878, 000 30, 790, 000 52, 840, 000 8, 985, 000		4, 850, 000 1, 750, 000	14, 760, 000 47, 990, 000 7, 235, 000		8, 878, 000 14, 680, 000 2, 015, 000 0 17, 918, 000
Sun. 5 23, 20 TOtal 88, 80	n)], [1	39, 699, 000 02, 478, 000	34, 454, 000 033, 031, 000	5, 245, 000 769, 417, 000		51,056,000 236,781,000	<u> </u>		1, 430, 600 101, 964, 000		18, 346, 000 119, 839, 000			1, 000, 000 70, 985, 000	İ	43, 491, 000

 E0Ls1 Excavation Vol.
 1,502,589,000

 bry
 \$12,396,000

 Pct
 550,193,000

APPENDIX 4: ESTIMATION OF OPERATION AND MAINTENANCE COST

APPENDIX 4 : Estimation of Operation and Maintenance Cost

Operation and maintenance cost of the Study Cases are roughly estimated as follows.

- O&M cost for the canal consists of two costs, O&M cost of the existing canal system (if it is available) and O&M cost for the new canal system.
- Usage of the existing canal with the new canal system are considered as follows.

New canal system	Existing canal
Group A (high rise lock system) Group B (low rise lock system)	available available with modifications
Group C (Route 10 sea level) Group D (Route 14S sea level)	available not available

3. O&M cost estimate will be based on the Annual Report 1990 of PCC and the items composing of O&M cost are classified in the annual report as shown below.

(Cost Items)

- 1) Maintenance of channels and harbors
- 2) Navigation service and control
- 3) Locks operation
- 4) General repair, engineering and maintenance services
- 5) Supply and logistics
- 6) Utilities
- 7) Housing operations
- 8) General and administrative
- 9) Interest on interest-bearing investment
- 10) Others

Total cost for the existing canal operation and maintenance reaches to 390 million US\$ in 1990.

4. Cost estimation will be carried out under the following method.

	Existing c	anal New canal including existing canal	
total	->cost of	<pre>items—>estimated cost of items—>total cos items—>estimated cost of items— items—>estimated cost of items—</pre>	t

5. Factors affecting to the costs of each items

In order to estimate the O&M cost for new canal from the cost of the existing canal, operation and maintenance costs of each item are classified into groups by the following factors.

- 1) Length of the canal
- 2) Size of the ship
- 3) Number of the lift of the locks
- 6. Relation between items and factors should be estimated after detailed survey. But for the Phase 1 Study, factors affecting to items are shown on the table below and the ratio of the cost of each item between new canal system (including existing one) and the cost of the existing one will be estimated as follows.

		Factor	
Item of Cost	1)Length of canal	2)Size of ship	3)Number of lift
Maintenance of channels and harbors Navigation service and control	0	0	
3) Locks operation		0	
4) General repair, engineering and maintenance services 5) Supply and logistics 6) Utilities 7) Housing operations 8) General and administrative 9) Interest on interest- bearing investment 10) Others			

- 6.1 Items 1) Maintenance of channels and harbors, and Item 2) Navigation service and control, depend on the factors
 - 1) Length of the canal, and
 - 2) Size of the ship
- 6.1.1 For the factor 1) Length of the canal, the cost for maintenance of channels and navigation service will be estimated to change according to the length of the canal proportionally.
 - (1) Group A: The most part of canals are commonly used for both new and existing canals. Cost will be a little bit larger than the existing one. The ratio to the existing canal will be 1.2 for both new and existing canal.
 - (2) Group B: The situation is same with group A. The ratio will be 1.2 for both new and existing canal.
 - (3) Group C: Both new and existing canal will be operated quite separately. There is no common part of the canal for both new and existing canals, that is, there are two canals. The ratio will be 2.0 to the existing canal for both new and existing canals.

- (4) Group D: The existing canal is not available any more for this group. Cost will be the cost for the new canal only. Ratio will be 1.0.
- (5) For the factor 1) Length of the canal, final result are shown below.

Group	Α	В	С	D
Ratio	1.2	1.2	2.0	1.0

6.1.2 For the factor 2) Size of the ship, the cost for maintenance of channels and navigation service will increase by the size of the ship passing through the canal. But the cost will not increase proportionally with the size of the ship. The increasing ratio of the cost by the ship size shall be checked by the survey in the near future. In this study the cost will be estimated to show small increasing ratio by the size of the ship. Following ratio will be adopted as additional ratio by the size of ship.

Size of ship (1000DWT)	65	100	150	250	300
Additional ratio	. 0	0	0.1	0.2	0.2

6.1.3 Cost increasing ratio for maintenance and navigation service will be summarized from 6.1.1 and 6.1.2 as shown below.

		Si	ze of t	he ship	(1,000	DWT)
		65	100	150	250	300
Group	basic rat.	0	0	0.1	0.2	0.2
SQ	1.0	1.0				
A B C D	1.2 1.2 2.0 1.0		1.2 1.2	1.3 1.3 2.1 1.1	1.4 1.4 2.2 1.2	2.2 1.2

- 6.2 Item 3) Locks operation, depends on the factors 2) Size of the ship, and 3) Number of the lift in the locks, but nothing for the sea level canal.
- 6.2.1 For the factor 2) Size of the ship for the lock canal, the cost for lock operation will be affected by the size of the ship. But increasing ratio will be less than the increasing ratio of the size of the ship. The ratio shall be checked by the survey later on. In this study cost increasing ratio will be estimated as follows.

Size of ship (1000DWT)	65	100	150	250	300
Cost increasing ratio	1.0	1.1	1.2	1.3	1.3

6.2.2 For the factor 3) Number of lift for the lock canal

There are three lifts for the existing lock canal. Cost for the lock operation will be affected directly by the number of lift. Considering that no lift means no cost for lock operation, cost ratio for lock operation will be estimated as follows.

Number of lift	3	2	1	0
Cost ratio	1.0	0.7	0.4	0

6.2.3 For the sea level canal

There is no lock operation but is tidal gate operation in the sea level canal system. Cost for tidal gate operation will be estimated 0.1 of the existing lock operation. 6.2.4 Cost increasing ratio for lock operation will be summarized from 6.2.1, 6.2.2 and 6.2.3 as shown below.

	Size of the ship (1,000D				DWT)		
For lock			65	100	150	250	300
canal	Basio	rat	1.0	1.1	1.2	1.3	:
Number of lift	3 2 1	1.0 0.7 0.4	(1.0)	1.8 1.4	1.8 1.5	2.0 1.6	
For sea level canal	Group C D	1.1			1.1	1.1 0.1	1.1

Increasing ratio = Ship x Lift + 1

- 6.3 Item 4) General repair, engineering and maintenance services, to Item 10) Others, depend on the factor 1) Length of the canal. But increasing ratio of the cost for these items by the increasing of the length of the canal is not so much larger than the other items.
 - (1) Group A: As explained in 6.1.1 and above, the ratio to the existing canal will be smaller than others. It will be estimated 1.1 of the existing canal including it
 - (2) Group B: The situation is same with the group A. The ratio will be estimated 1.1 of the existing canal including it
 - (3) Group C: Both new and existing canal will be operated quite separately. The ratio will be 1.3 to the existing canal for both new and existing canals.
 - (4) Group D: The existing canal is not available any more for this group. Cost will be the cost for the new canal only. Ratio will be 1.0.

(5) The ratio of the items 4) to 10) are summarized as shown below.

Group	A	В	С	D	
Cost Ratio	1.2	1.2	2.0	1.0	

7. O&M cost for each study case estimated under above mentioned conditions are shown as follows.

1) Lock canal

Case	Group	Size of			Item		
Number		ship	of Lift	1) & 2)	3)	4) •	- 10)
(Ratio t	to SQ)						
				Ratio	of Item	າຣ	
L -1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	2 A 100 2 1.2 1.8 1.1 3 B 100 1 1.2 1.4 1.1 4 A 150 2 1.3 1.8 1.1 5 A 150 2 1.3 1.8 1.1 6 B 150 1 1.3 1.5 1.1 7 A 250 2 1.4 2.0 1.1 8 A 250 2 1.4 2.0 1.1 9 B 250 1 1.4 1.6 1.1 10 A 100 2 1.2 1.8 1.1 11 B 100 1 1.2 1.4 1.1 12 B 100 1 1.2 1.4 1.1 13 A 150 2 1.3 1.8 1.1 14 B 150 1 1.3 1.5 1.1 15 B 150 1 1.3 1.5 1.1						
(O&M Cos	st: mi]	llion US\$	1990)				
	.		·	Cost of	f Items		Total
SQ	A	65	3	123	54	213	390
L -1,2 3 4,5 6 7,8 9 10 11,12 13 14,15 16 17,18	A B A B A B A B A	100 100 150 150 250 250 100 100 150 250 250	2 1 2 1 2 1 2 1 2 1	148 148 160 160 172 172 148 148 160 160 172	97 76 97 81 108 86 97 76 97 81 108 86	234 234 234 234 234 234 234 234 234 234	479 458 491 475 514 492 479 458 491 475 514 492