Appendix C
One Dimensional Consolidation Test Data

One-Dimensional Consolidation Test

US Bureau of Reclamation
Earth Sciences and Research Laboratory
Denver, Colorado

Project: Salton Sea
Feature: Salton Sea
Drill Hole: DH-1-2
Depth: 0.00 - 1.50 ft
Sample No. 54F-127
Specimen No. -
Test Specimen Interval: 0.00 - 1.50 ft

Specimen Type: ☐ Intact ☑ Compacted

Tested By: Z. Erdogan
Date Testing Started: 3/3/03

Specimen Diameter:	4.25	in
Initial Specimen Area:	14.19	in^2
Initial Specimen Height:	1.25	in
Initial Specimen Dry Mass:	0.916	lbm

Consolidation Test Summary

Consolidation Sequence No.	Consolidation Pressure lbf/in^2	Specimen Height in	Void Ratio	Dry Unit Weight lbf/in^3	Axial Strain %
1	1	1.20	0.47	92.9	3.9
2	3.75	1.19	0.46	93.5	4.5
3	7.5	1.18	0.45	94.4	5.4
4	15	1.16	0.42	95.9	6.9
5	30	1.15	0.41	96.9	7.8
6	15	1.15	0.40	97.3	8.2
7	7.5	1.15	0.40	97.5	8.4
8	30	1.14	0.40	97.7	8.6
9	60	1.14	0.39	98.3	9.1
10	120	1.12	0.37	99.5	10.2
11	60	1.12	0.37	99.8	10.5
12	30	1.12	0.36	100.1	10.7
13	15	1.11	0.36	100.4	11.0
14	7.5	1.11	0.36	100.4	11.0
15	1	1.11	0.36	100.4	11.1
16	30	1.09	0.33	102.4	12.8

Initial Test Specimen Dry Unit Weight: 89.3 lbf/ft^3
Initial Test Specimen Water Content: 24.1 %

Index Test Performed on: ☐ Specimen Trimmings ☑ Sample

Liquid Limit: N/A
Plasticity Index: N/A
Shrinkage Limit: -

Specific Gravity: 2.19 (Weighted Average)
Classification: Salt

Raw Data File: SALTON SEA PROJECT\PadNo-1,Sample2.dat
Date Data File Created: 03/03/03

Comments:

Table _____

7-2417 (3-89)
Bureau of Reclamation

ONE-DIMENSIONAL CONSOLIDATION TEST
(DATA SHEET 1)

Designation USBR 5700-89

Project: **Salton Sea**		Feature **Salton Sea**	
Test by **Z. Erdogan**	Date **3/3/03**	Computed by **Z. Erdogan**	Date **7/9/03**
Checked by	Date		
Sample No. **54F-127**		Specimen No. **-**	

PHYSICAL PROPERTIES

Liquid Limit **N/A**	Placticty Index **N/A**	Shrinkage Limit: **-**
Specific Gravity (G_s) **2.19**	Classification: **Salt**	
Spcimen Type ☐ Undisturbed ☑ Compacted	Type of Test ☑ Consolidation ☐ Uplift ☐ Expansion	

(1) Load Frame No.		(3) Gauge Block No.	**9**			
(2) Specimen Ring Number		(4) Gauge Block Height	**1.25**	☑	in	☐ cm
(5) Specimen Ring Diameter			**4.25**	☑	in	☐ cm
(6) Specimen Ring Area = $(5)^2 \pi/4$			14.19	☑	in^2	☐ cm^2
(7) Specimen Ring Height			**1.25**	☑	in	☐ cm
(8) Specimen Ring Volume = (6) (7)			17.73	☑	in^3	☐ cm^3
(9) Dial Reading with Seating Pressure on Gauge Block			**0**	☑	in	☐ cm
(10) Dial Reading with Seating Pressure on Specimen			**0**	☑	in	☐ cm
(11) Initial Specimen Height = (4) - (9) + (10)			1.25	☑	in	☐ cm
(12) Equivalent Height of Solids = (29) / [(6) G_s ρ_w] C 1/	ρ_w = 62.29		0.8183	☑	in	☐ cm
(13) Equivalent Initial Height of Water = [(29) (22) / 100] / [(6) ρ_w] C	ρ_w = 62.29		0.4315	☑	in	☐ cm

WATER CONTENT DETERMINATION OF SPECIMEN

		INITIAL	FINAL
(14) Drying Pan Number		**JAR-1**	**SYS-1**
(15) Mass of Drying Pan	g	**67.6**	**75.5**
(16) Mass of Drying Pan + Wet Specimen	g	**583.4**	**543.4**
(17) Mass of Drying Pan + Dry Specimen (M_T)	g	**483.3**	**491.2**
(18) Mass of Water (M_W) = [16] - [17]		100.1	52.2
(19) Mass of Dissolved Salt (M_{DS}) = [18] (x), Brine Solution, x = M_{DS} / M_W = 0.6647	dec	66.5	34.7
(20) Mass of Brine Solution (M_X) = (18) + (19)	g	166.6	86.9
(21) Mass of Dry Specimen (M_T) = (17) - (14)	g	415.7	415.7
(22) Water Content = [(18) / (21)] (100)	%	24.1	12.6

WET MASS DETERMINATION OF SPECIMEN

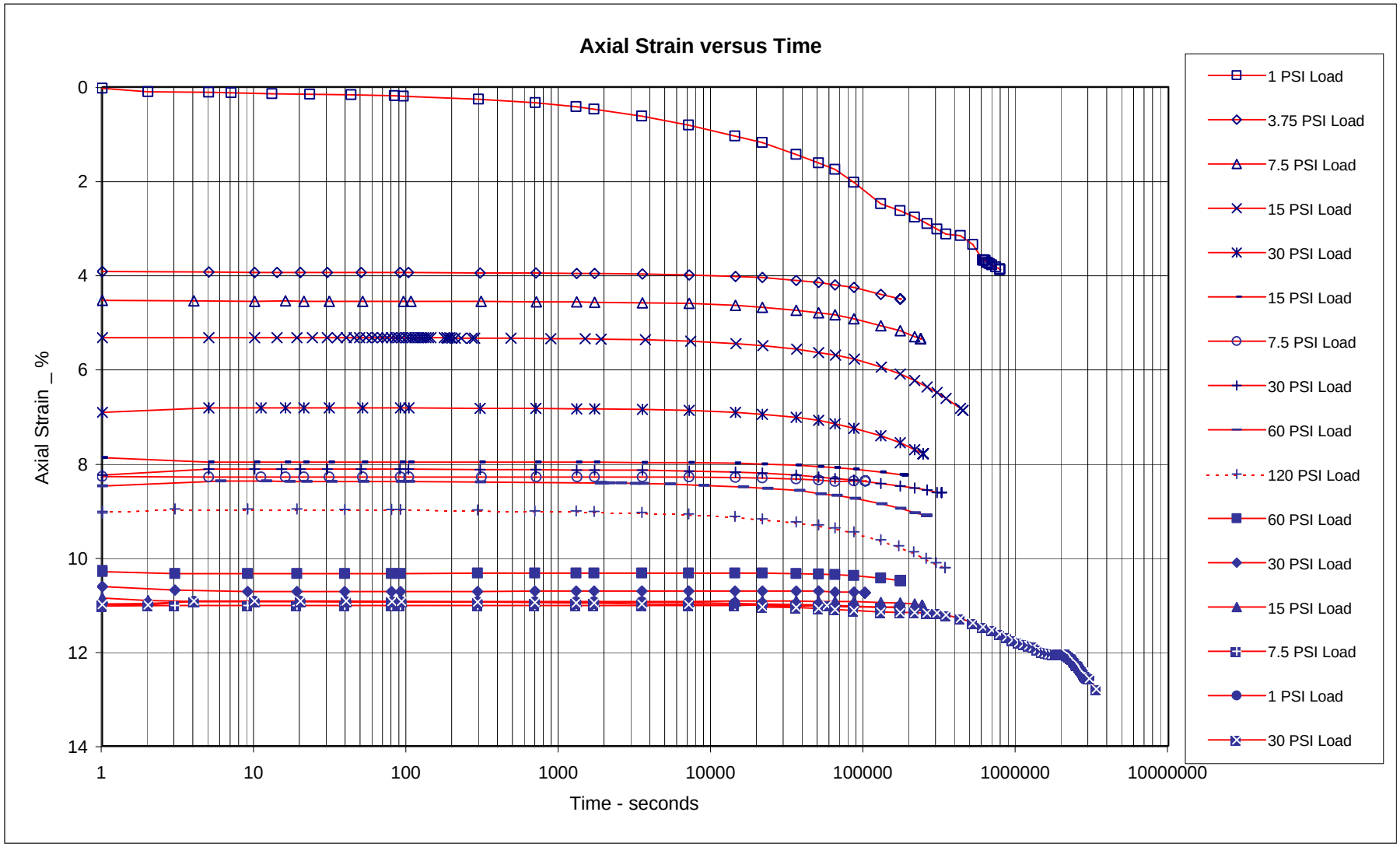
(23) Mass of Specimen Ring + Cover Plates	g	**984.9**	**984.9**
(24) Mass of Specimen Ring + Cover Plate + Wet Specimen	g	**1500.7**	**1452.8**
(25) Mass of Wet Specimen = (24) - (23)	g	515.8	467.9

DRY UNIT WEIGHT OF SPECIMEN

(26) Mass of Wet Specimen = (25)		g		515.8	467.9
(27) Water Content = (22)		%		24.1	12.6
(28) Specimen Ring Volume = (8)	☑ in^3 ☐ cm^3			17.73	15.46
(29) Mass of Dry Specimen (M_T) = (26) / [1 + (27) / 100]		g		415.7	415.7
(30) Dry Unit Weight of Specimen = [(29) / (28)] C 2/	C = 3.8095	☑ lbf/ft^3	☐ kN/m^3	89.3	102.4

1/ For inch-pound applications ρ_w = 62.29 lbm/ft^3. For SI applications ρ_w = 1.00 g/cm^3.
C is a conversion factor, for inch-pound applications C= 3.8095. For SI metric Applications C= 1000

2/ For inch-pound applications C = 3.8095 and converts g/in^3 to lbm/ft^3. Assuming lbf = lbm. For SI applications C = 9.807 and converts g/cm^3 to kN/m^3



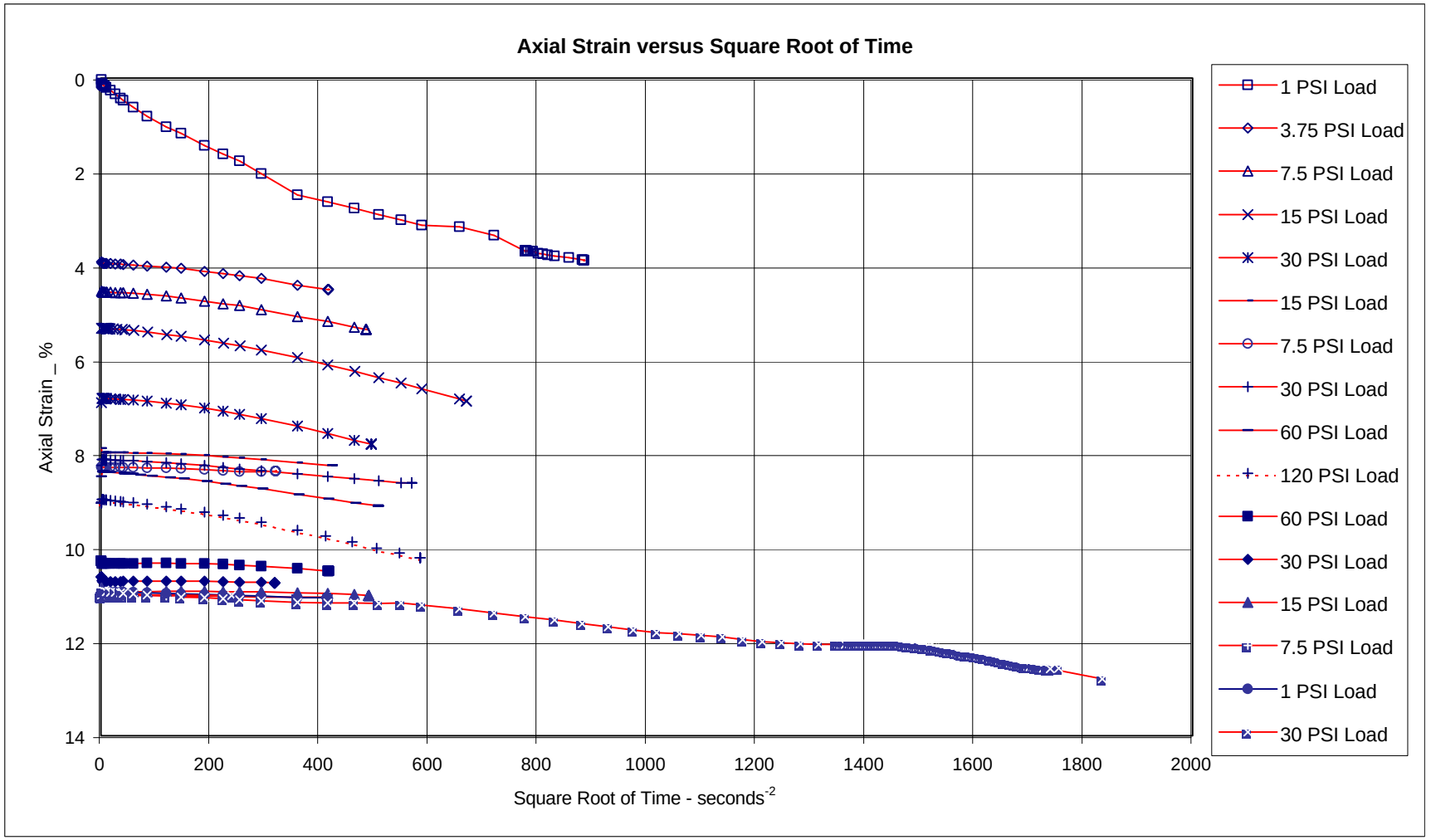
Drill Hole: DH-1-2
Depth: 0.00 - 1.50 ft
Sample No. 54F-127
Test Specimen Interval: 0.00 - 1.50 ft

Liquid Limit: N/A
Plasticity Index: N/A
Shrinkage Limit: -
Specific Gravity: 2.19
Classification: Salt

Date Testing Started: March 3, 2003

	Initial	Final
Void Ratio	0.53	0.33
Dry Unit Weight - lbf/ft^3	89.3	102.4
Water Content - %	24.1	12.6
Degree of Saturation - %	100.0	82.8

Figure _____

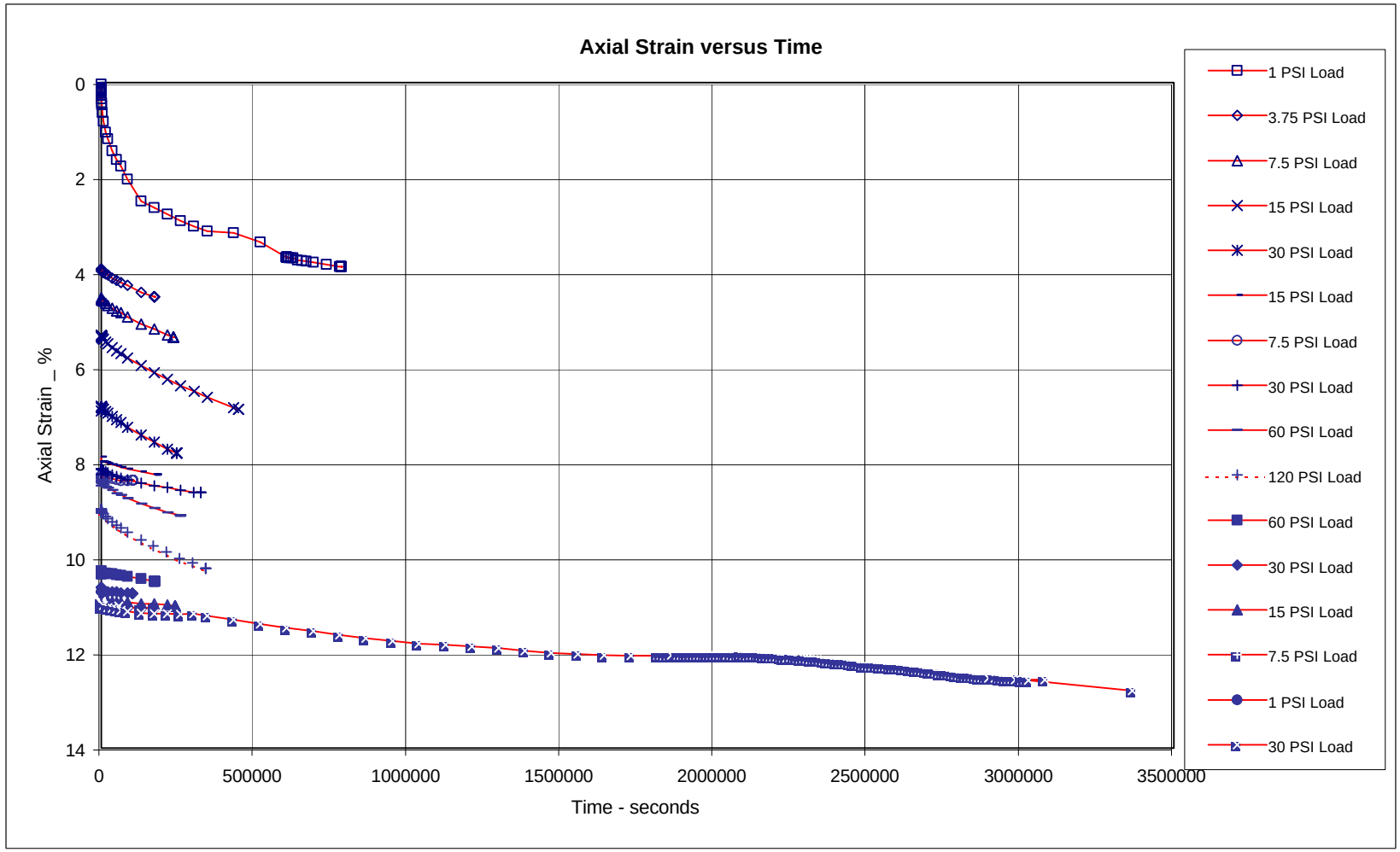


Drill Hole:	DH-1-2
Depth:	0.00 - 1.50 ft
Sample No.	54F-127
Test Specimen Interval:	0.00 - 1.50 ft

Liquid Limit:	N/A
Plasticity Index:	N/A
Shrinkage Limit:	-
Specific Gravity:	2.19
Classification:	Salt

Date Testing Started: March 3, 2003

	Initial	Final
Void Ratio	0.53	0.33
Dry Unit Weight - lbf/ft^3	89.3	102.4
Water Content - %	24.1	12.6
Degree of Saturation - %	100.0	82.8

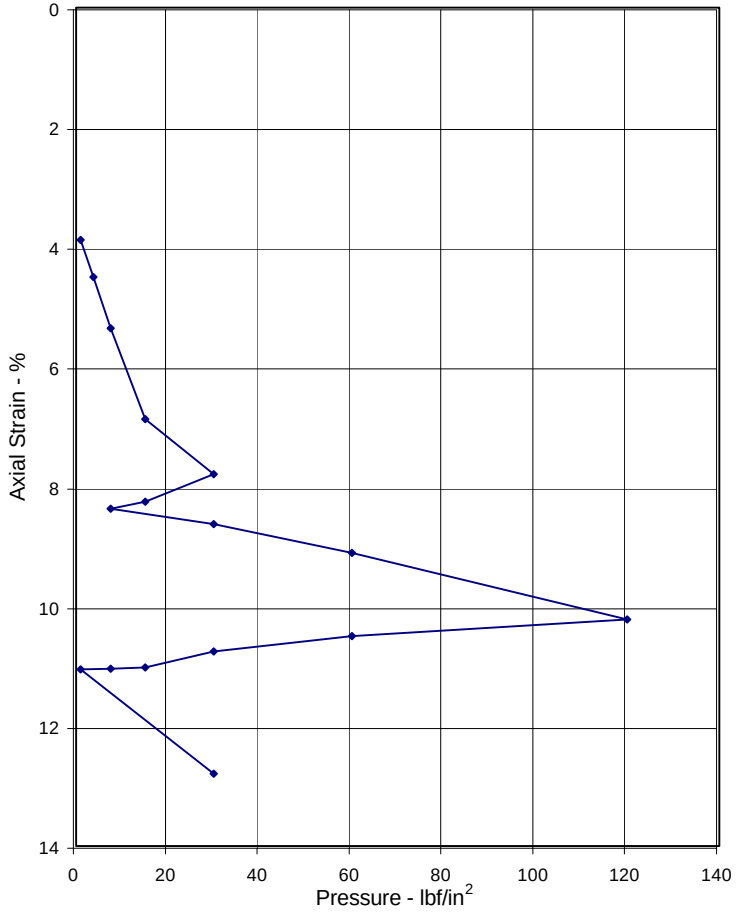


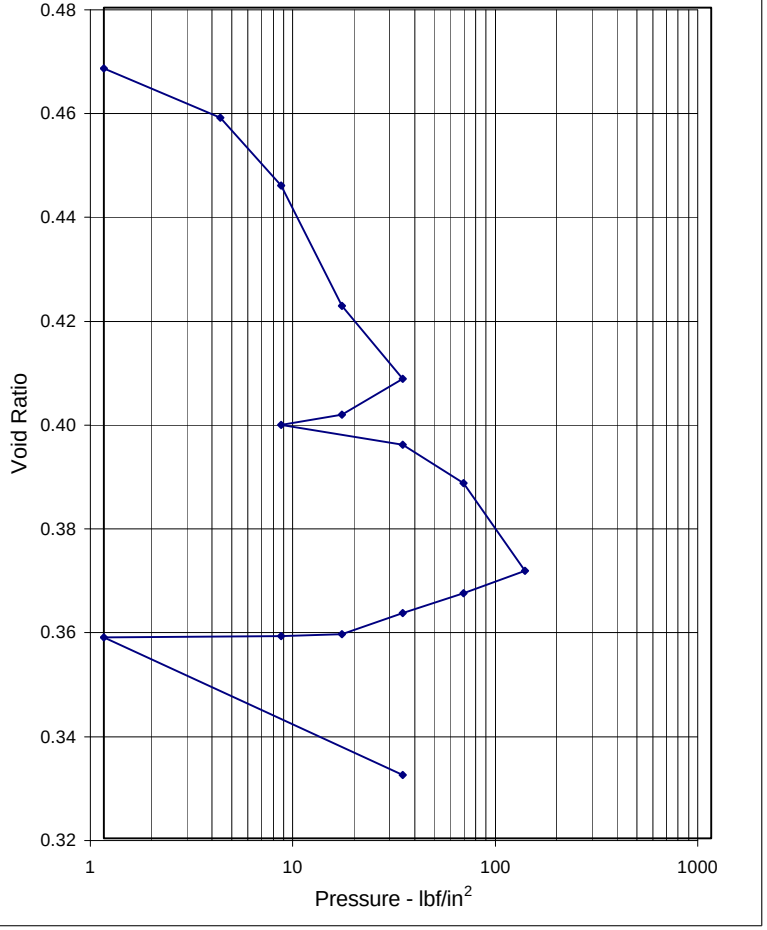
Drill Hole:	DH-1-2
Depth:	0.00 - 1.50 ft
Sample No.	54F-127
Test Specimen Interval:	0.00 - 1.50 ft

Liquid Limit:	N/A
Plasticity Index:	N/A
Shrinkage Limit:	-
Specific Gravity:	2.19
Classification:	Salt

Date Testing Started: March 3, 2003

	Initial	Final
Void Ratio	0.53	0.33
Dry Unit Weight - lbf/ft^3	89.3	102.4
Water Content - %	24.1	12.6
Degree of Saturation - %	100.0	82.8





Drill Hole:	DH-1-2	Liquid Limit:	N/A	Date Testing Started:	March 3, 2003
Depth:	0.00 - 1.50 ft	Plasticity Index:	N/A		
Sample No.	54F-127	Shrinkage Limit:	-		
Test Specimen Interval:	0.00 - 1.50 ft	Specific Gravity:	2.19		
Specimen Diameter:	4.25 in	Classification:	Salt		
Specimen Height:	1.25 in				

	Initial	Final
Void Ratio	0.53	0.33
Dry Unit Weight - lbf/ft^3	89.3	102.4
Water Content - %	24.1	12.6
Degree of Saturation - %	100.0	82.8

One-Dimensional Consolidation Test

US Bureau of Reclamation
Earth Sciences and Research Laboratory
Denver, Colorado

Project: Salton Sea
Feature: Salton Sea
Drill Hole: DH-7-7
Depth: 0.00 - 1.25 ft
Sample No. 54F-132
Specimen No. -
Test Specimen Interval: 0.00 - 1.25 ft

Specimen Type: ☐ Intact ☑ Compacted

Tested By: Z. Erdogan
Date Testing Started: 3/3/03

Specimen Diameter:	4.25	in
Specimen Area:	14.19	in^2
Initial Speciment Height:	1.25	in
Initial Specimen Dry Mass:	0.878	lbm

Consolidation Test Summary

Consolidation Sequence No.	Consolidation Pressure lbf/in^2	Specimen Height in	Void Ratio	Dry Unit Weight lbf/in^3	Axial Strain %
1	1	1.24	0.59	86.5	1.1
2	3.75	1.22	0.58	87.4	2.1
3	7.5	1.21	0.56	88.3	3.1
4	15	1.20	0.54	89.2	4.1
5	30	1.17	0.51	91.1	6.1
6	15	1.17	0.51	91.2	6.2
7	7.5	1.17	0.51	91.2	6.2
8	30	1.16	0.50	91.9	6.9
9	60	1.14	0.47	93.7	8.7
10	120	1.10	0.42	96.9	11.8
11	60	1.10	0.42	96.8	11.6
12	30	1.11	0.43	96.4	11.3
13	15	1.11	0.43	96.0	10.9
14	7.5	1.12	0.44	95.8	10.7
15	1	1.12	0.45	95.1	10.1
16	15	1.10	0.42	97.1	12.0

Initial Test Specimen Dry Unit Weight: 85.5 lbf/ft^3
Initial Test Specimen Water Content: 22.0 %

Index Test Performed on: ☐ Specimen Trimmings ☑ Sample

Liquid Limit: N/A
Plasticity Index: N/A
Shrinkage Limit: -

Specific Gravity: 2.21 (Average Weighted)
Classification: Salt

Raw Data File: SALTON SEA PROJECT\PadNo-7,Sample7.dat
Date Data File Created: 03/03/03

Comments:

Table _____

7-2417 (3-89)
Bureau of Reclamation

ONE-DIMENSIONAL CONSOLIDATION TEST
(DATA SHEET 1)

Designation USBR 5700-89

Project: **Salton Sea**			Feature **Salton Sea**		
Test by **Z. Erdogan**	Date **3/3/03**	Computed by **Z. Erdogan**	Date **7/9/03**	Checked by	Date
Sample No. **54F-132**			Specimen No. **-**		

Physical Properties

Liquid Limit **N/A**	Placticty Index **N/A**	Shrinkage Limit: **-**
Specific Gravity (G_s) **2.21**	Classification S **Salt**	
Spciment Type ☐ Undisturbed ☑ Compacted	Type of Test ☑ Consolidation ☐ Uplift ☐ Expansion	

(1) Load Frame No.		(3) Gauge Block No.	**3**			
(2) Specimen Ring Number		(4) Gauge Block Height	**1.25**	☑	in	☐ cm
(5) Specimen Ring Diameter			**4.25**	☑	in	☐ cm
(6) Specimen Ring Area = $(5)^2 \pi/4$			14.19	☑	in^2	☐ cm^2
(7) Specimen Ring Height			**1.25**	☑	in	☐ cm
(8) Specimen Ring Volume = (6) (7)			17.73	☑	in^3	☐ cm^3
(9) Dial Reading with Seating Pressure on Gauge Block			**0**	☑	in	☐ cm
(10) Dial Reading with Seating Pressure on Specimen			**0**	☑	in	☐ cm
(11) Initial Specimen Height = (4) - (9) + (10)			1.25	☑	in	☐ cm
(12) Equivalent Height of Solids = (26) / [(6) G_s ρ_w] c 1/		ρ_w = 62.29	0.7766	☑	in	☐ cm
(13) Equivalent Initial Height of Water = [(29) (22) / 100] / [(6) ρ_w] C		ρ_w = 62.29	0.3776	☑	in	☐ cm

WATER CONTENT DETERMINATION OF SPECIMEN

		INITIAL	FINAL
(14) Drying Pan Number		**JAR-7**	**SYS-121**
(15) Mass of Drying Pan	g	**68.0**	**72.4**
(16) Mass of Drying Pan + Wet Specimen	g	**553.7**	**529.5**
(17) Mass of Drying Pan + Dry Specimen (M_T)	g	**466.1**	**470.5**
(18) Mass of Water (M_W) = [16] - [17]		87.6	59.0
(19) Mass of Dissolved Salt (M_{DS}) = [18] (x), Brine Solution, x = M_{DS} / M_W = 0.6742	dec	59.1	39.8
(20) Mass of Brine Solution (M_X) = (18) + (19)	g	146.7	98.8
(21) Mass of Dry Specimen (M_T) = (17) - (14)	g	398.1	398.1
(22) Water Content = [(18) / (21)] (100)	%	22.0	14.8

WET MASS DETERMINATION OF SPECIMEN

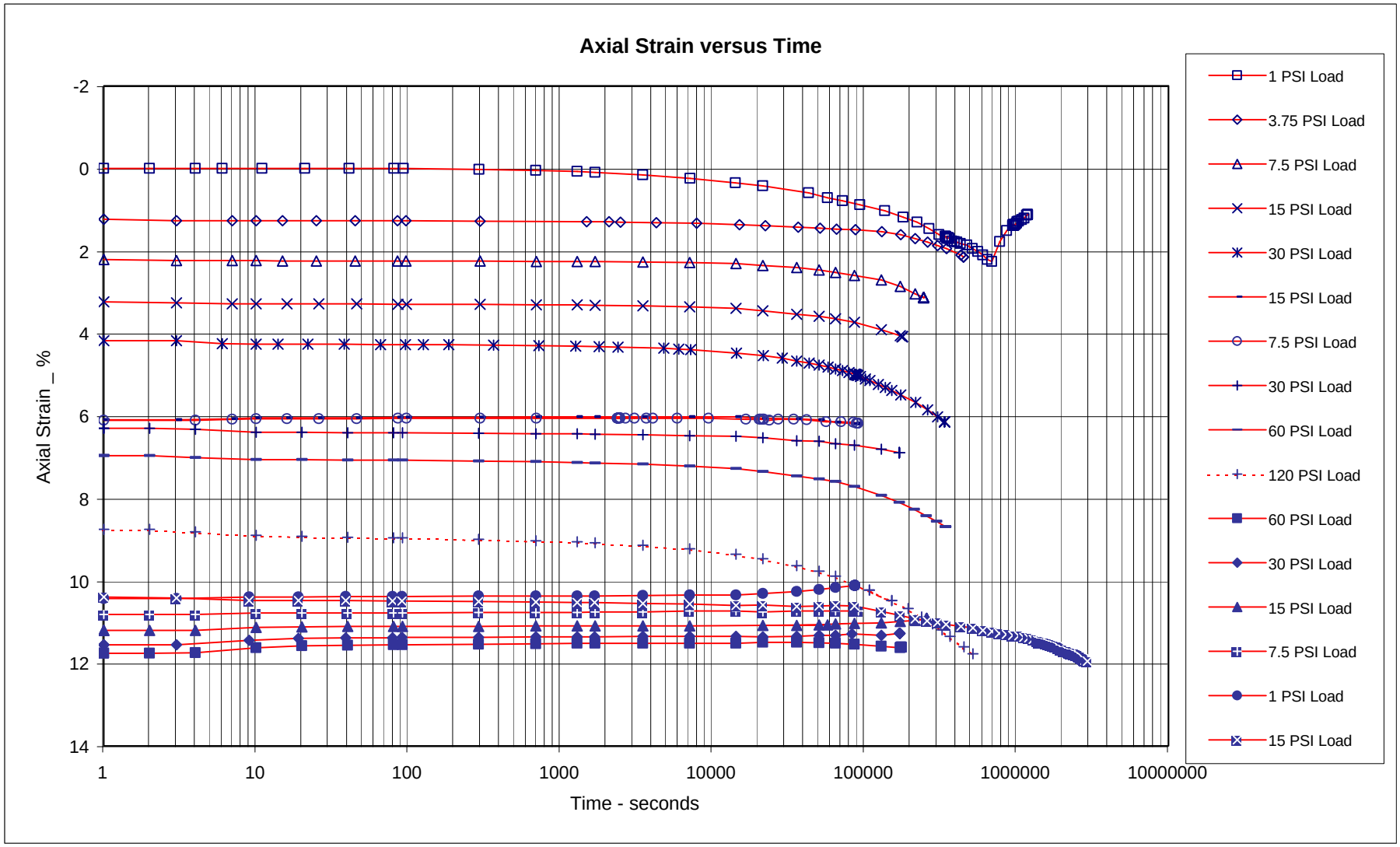
(23) Mass of Specimen Ring + Cover Plates	g	**1083.6**	**1083.6**
(24) Mass of Specimen Ring + Cover Plate + Wet Specimen	g	**1569.3**	**1540.7**
(25) Mass of Wet Specimen = (24) - (23)	g	485.7	457.1

DRY UNIT WEIGHT OF SPECIMEN

(26) Mass of Wet Specimen = (25)	g			485.7	457.1
(27) Water Content = (22)	%			22.0	14.8
(28) Specimen Ring Volume = (8)	☑ in^3	☐ cm^3		17.73	15.61
(29) Mass of Dry Specimen (M_T) = (26) / [1 + (27) / 100]	g			398.1	398.1
(30) Dry Unit Weight of Specimen = [(29) / (28)] C 2 / C = 3.8095	☑ lbf/ft^3	☐ kN/m^3		85.5	97.1

1/ For inch-pound applications ρ_w = 62.29 lbm/ft^3. For SI applications ρ_w = 1.00 g/cm^3.
C is a conversion factor, for inch-pound applications C= 3.8095. For SI metric Applications C= 1000

2/ For inch-pound applications C = 3.8095 and converts g/in^3 to lbm/ft^3. Assuming lbf = lbm. For SI applications C = 9.807 and converts g/cm^3 to kN/m^3



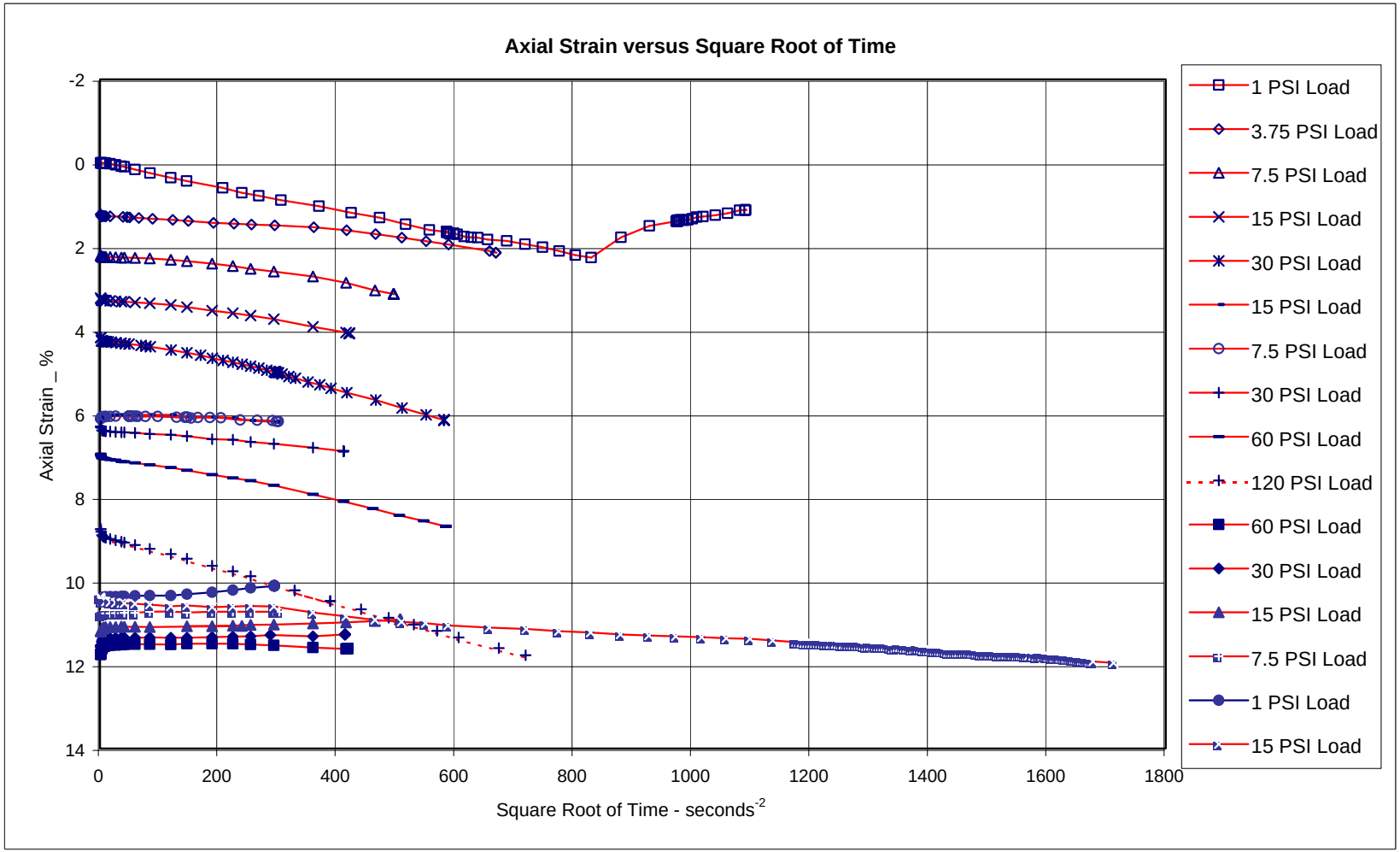
Drill Hole: DH-7-7
Depth: 0.00 - 1.25 ft
Sample No. 54F-132
Test Specimen Interval: 0.00 - 1.25 ft

Liquid Limit: N/A
Plasticity Index: N/A
Shrinkage Limit: -
Specific Gravity: 2.21
Classification: Salt

Date Testing Started: March 3, 2003

	Initial	Final
Void Ratio	0.61	0.42
Dry Unit Weight - lbf/ft^3	85.5	97.1
Water Content - %	22.0	14.8
Degree of Saturation - %	79.8	78.5

Figure _____

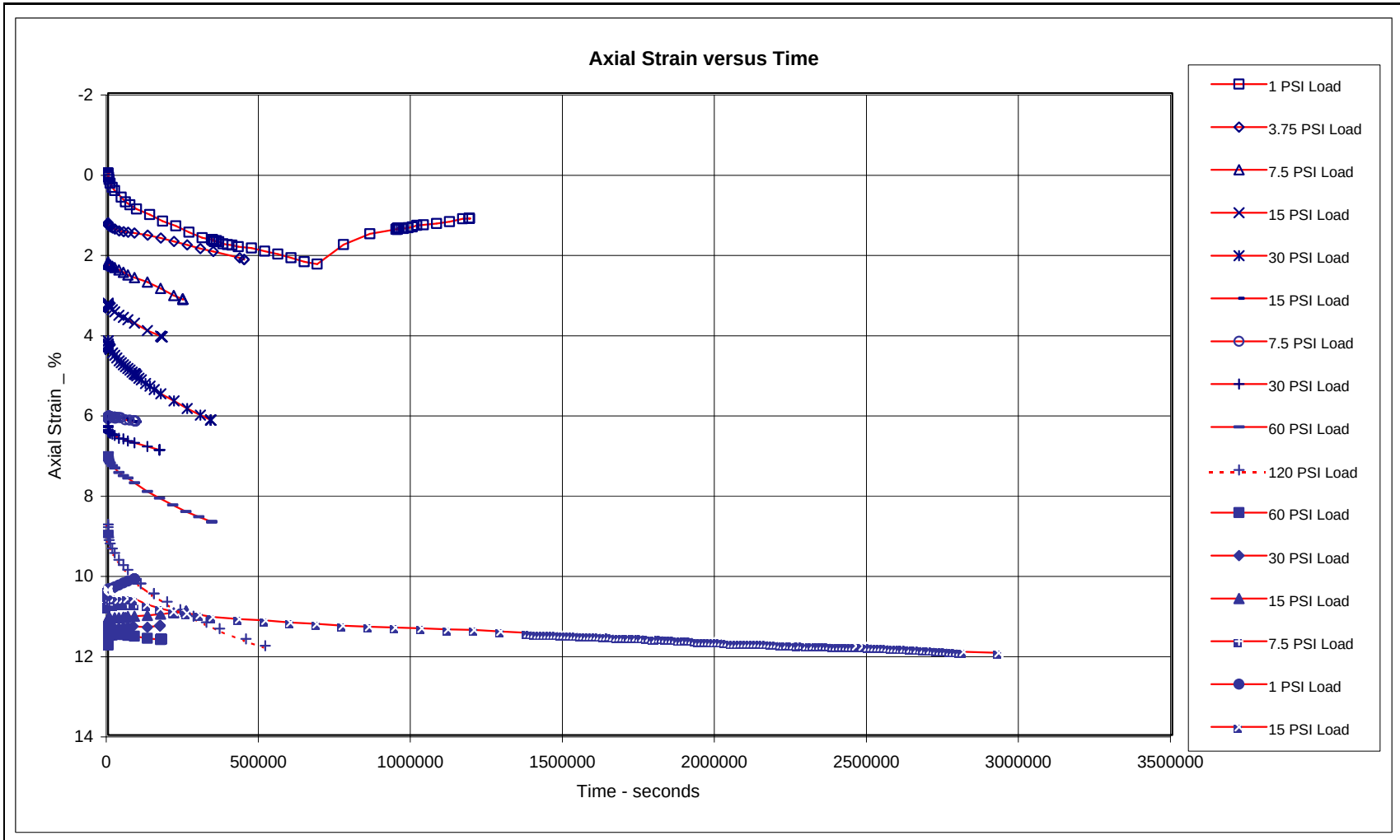


Drill Hole:	DH-7-7
Depth:	0.00 - 1.25 ft
Sample No.	54F-132
Test Specimen Interval:	0.00 - 1.25 ft

Liquid Limit:	N/A
Plasticity Index:	N/A
Shrinkage Limit:	-
Specific Gravity:	2.21
Classification:	Salt

Date Testing Started: March 3, 2003

	Initial	Final
Void Ratio	0.61	0.42
Dry Unit Weight - lbf/ft^3	85.5	97.1
Water Content - %	22.0	14.8
Degree of Saturation - %	79.8	78.5

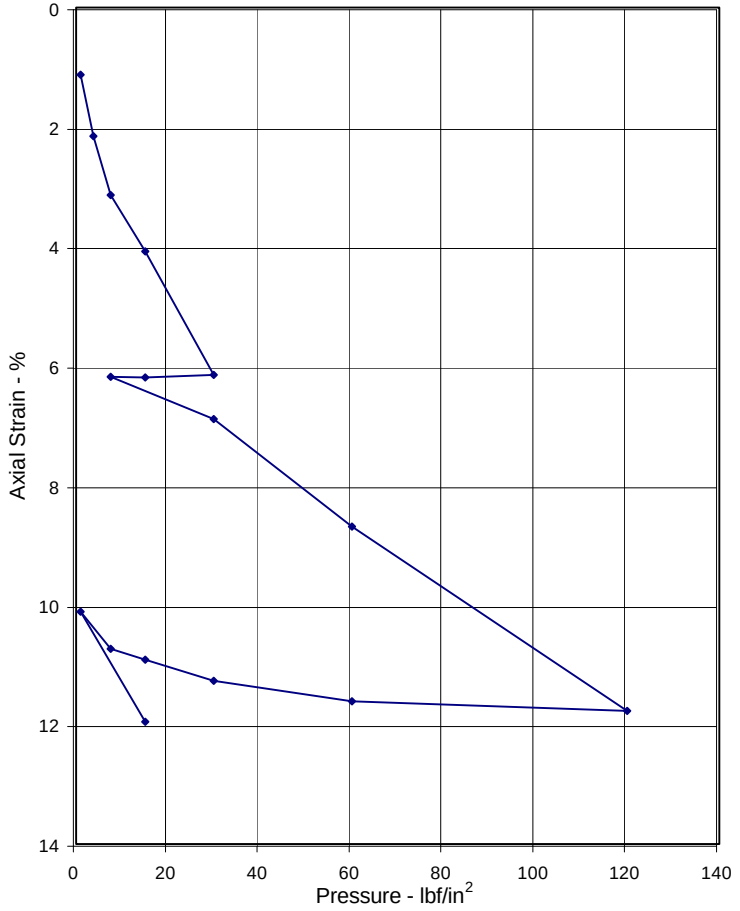


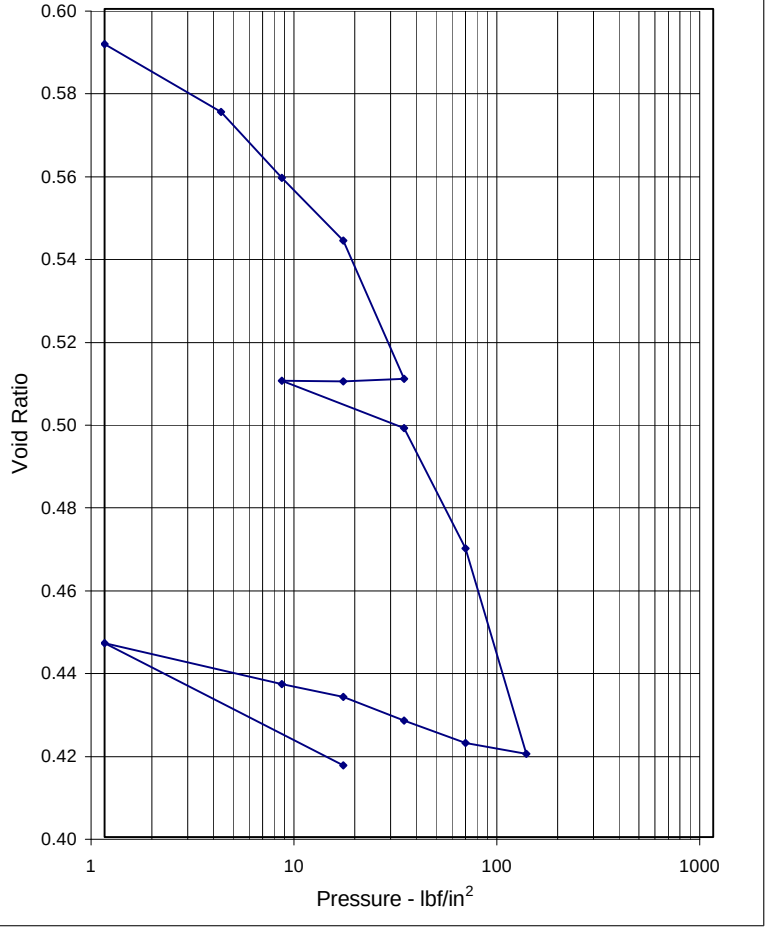
Drill Hole: DH-7-7
Depth: 0.00 - 1.25 ft
Sample No. 54F-132
Test Specimen Interval: 0.00 - 1.25 ft

Liquid Limit: N/A
Plasticity Index: N/A
Shrinkage Limit: -
Specific Gravity: 2.21
Classification: Salt

Date Testing Started: March 3, 2003

	Initial	Final
Void Ratio	0.61	0.42
Dry Unit Weight - lbf/ft^3	85.5	97.1
Water Content - %	22.0	14.8
Degree of Saturation - %	79.8	78.5





Drill Hole:	DH-7-7	Liquid Limit:	N/A	Date Testing Started:	March 3, 2003
Depth:	0.00 - 1.25 ft	Plasticity Index:	N/A		
Sample No.	54F-132	Shrinkage Limit:	-		
Test Specimen Interval:	0.00 - 1.25 ft	Specific Gravity:	2.21		
Specimen Diameter:	4.25 in	Classification:	Salt		
Specimen Height:	1.25 in				

	Initial	Final
Void Ratio	0.61	0.42
Dry Unit Weight - lbf/ft^3	85.5	97.1
Water Content - %	22.0	14.8
Degree of Saturation - %	79.8	78.5

One-Dimensional Consolidation Test

US Bureau of Reclamation
Earth Sciences and Research Laboratory
Denver, Colorado

Project: Salton Sea
Feature: Salton Sea
Drill Hole: DH-4-10
Depth: 0.00 - 1.00 ft
Sample No. 54F-135
Specimen No. -
Test Specimen Interval: 0.00 - 1.00 ft

Specimen Type: ☐ Intact ☑ Compacted

Tested By: Z. Erdogan
Date Testing Started: 3/3/03

Specimen Diameter:	4.25	in
Specimen Area:	14.19	in^2
Initial Speciment Height:	1.25	in
Initial Specimen Dry Mass:	0.798	lbm

Consoldation Test Summary

Consolidation Sequence No.	Consolidation Pressure lbf/in^2	Specimen Height in	Void Ratio	Dry Unit Weight lbf/in^3	Axial Strain %
1	1	1.23	0.73	79.1	1.7
2	3.75	1.22	0.72	79.9	2.7
3	7.5	1.20	0.69	80.9	3.9
4	15	1.17	0.65	83.0	6.3
5	30	1.15	0.62	84.7	8.2
6	15	1.14	0.61	84.9	8.4
7	7.5	1.14	0.61	84.9	8.5
8	30	1.13	0.60	85.9	9.5
9	60	1.11	0.56	87.8	11.4
10	120	1.05	0.49	92.2	15.6
11	60	1.05	0.49	92.2	15.7
12	30	1.05	0.49	92.2	15.7
13	15	1.05	0.49	92.2	15.7
14	7.5	1.05	0.49	92.2	15.6
15	1	1.06	0.50	91.4	15.0
16	60	1.01	0.43	95.9	18.9

Initial Test Specimen Dry Unit Weight: 77.7 lbf/ft^3
Initial Test Specimen Water Content: 34.7 %

Index Test Performed on: ☐ Specimen Trimmings ☑ Sample

Liquid Limit: N/A
Plasticity Index: N/A
Shrinkage Limit: -

Specific Gravity: 2.20 (Weighted Average)
Classification: Salt

Raw Data File: SALTON SEA PROJECT\PadNo-4,Sample10.dat
Date Data File Created: 03/03/03

Comments:

Table _____

7-2417 (3-89)
Bureau of Reclamation

ONE-DIMENSIONAL CONSOLIDATION TEST
(DATA SHEET 1)

Designation USBR 5700-89

Project: **Salton Sea**			Feature **Salton Sea**		
Test by **Z. Erdogan**	Date **3/3/03**	Computed by **Z. Erdogan**	Date **7/9/03**	Checked by	Date
Sample No. **54F-135**		Specimen No. **-**			

Physical Properties

Liquid Limit **N/A**	Placticty Index **N/A**	Shrinkage Limit: **-**
Specific Gravity (G_s) **2.20**	Classification **Salt**	
Spcimen Type ☐ Undisturbed ☑ Compacted	Type of Test ☑ Consolidation ☐ Uplift ☐ Expansion	

(1) Load Frame No.		(3) Gauge Block No.	**13**			
(2) Specimen Ring Number		(4) Gauge Block Height	**1.25**	☑	in	☐ cm
(5) Specimen Ring Diameter			**4.25**	☑	in	☐ cm
(6) Specimen Ring Area = $(5)^2 \pi/4$			14.19	☑	in^2	☐ cm^2
(7) Specimen Ring Height			**1.25**	☑	in	☐ cm
(8) Specimen Ring Volume = (6) (7)			17.73	☑	in^3	☐ cm^3
(9) Dial Reading with Seating Pressure on Gauge Block			**0**	☐	in	☐ cm
(10) Dial Reading with Seating Pressure on Specimen			**0**	☐	in	☐ cm
(11) Initial Specimen Height = (4) - (9) + (10)			1.25	☑	in	☐ cm
(12) Equivalent Height of Solids = (26) / [(6) G_s ρ_w] c 1/	ρ_w = 62.29		0.7092	☑	in	☐ cm
(13) Equivalent Initial Height of Water = [(29) (22) / 100] / [(6) ρ_w] C	ρ_w = 62.29		0.5410	☑	in	☐ cm

WATER CONTENT DETERMINATION OF SPECIMEN

		INITIAL	FINAL
(14) Drying Pan Number		**JAR-4**	**SYS-120**
(15) Mass of Drying Pan	g	**67.4**	**74.1**
(16) Mass of Drying Pan + Wet Specimen	g	**554.8**	**497.0**
(17) Mass of Drying Pan + Dry Specimen (M_T)	g	**429.3**	**436.0**
(18) Mass of Water (M_W) = [16] - [17]		125.5	61.0
(19) Mass of Dissolved Salt (M_{DS}) = [18] (x), Brine Solution, x = M_{DS} / M_W = 0.6735	dec	84.5	41.1
(20) Mass of Brine Solution (M_X) = (18) + (19)	g	210.0	102.1
(21) Mass of Dry Specimen (M_T) = (17) - (14)	g	361.9	361.9
(22) Water Content = [(18) / (21)] (100)	%	34.7	16.9

WET MASS DETERMINATION OF SPECIMEN

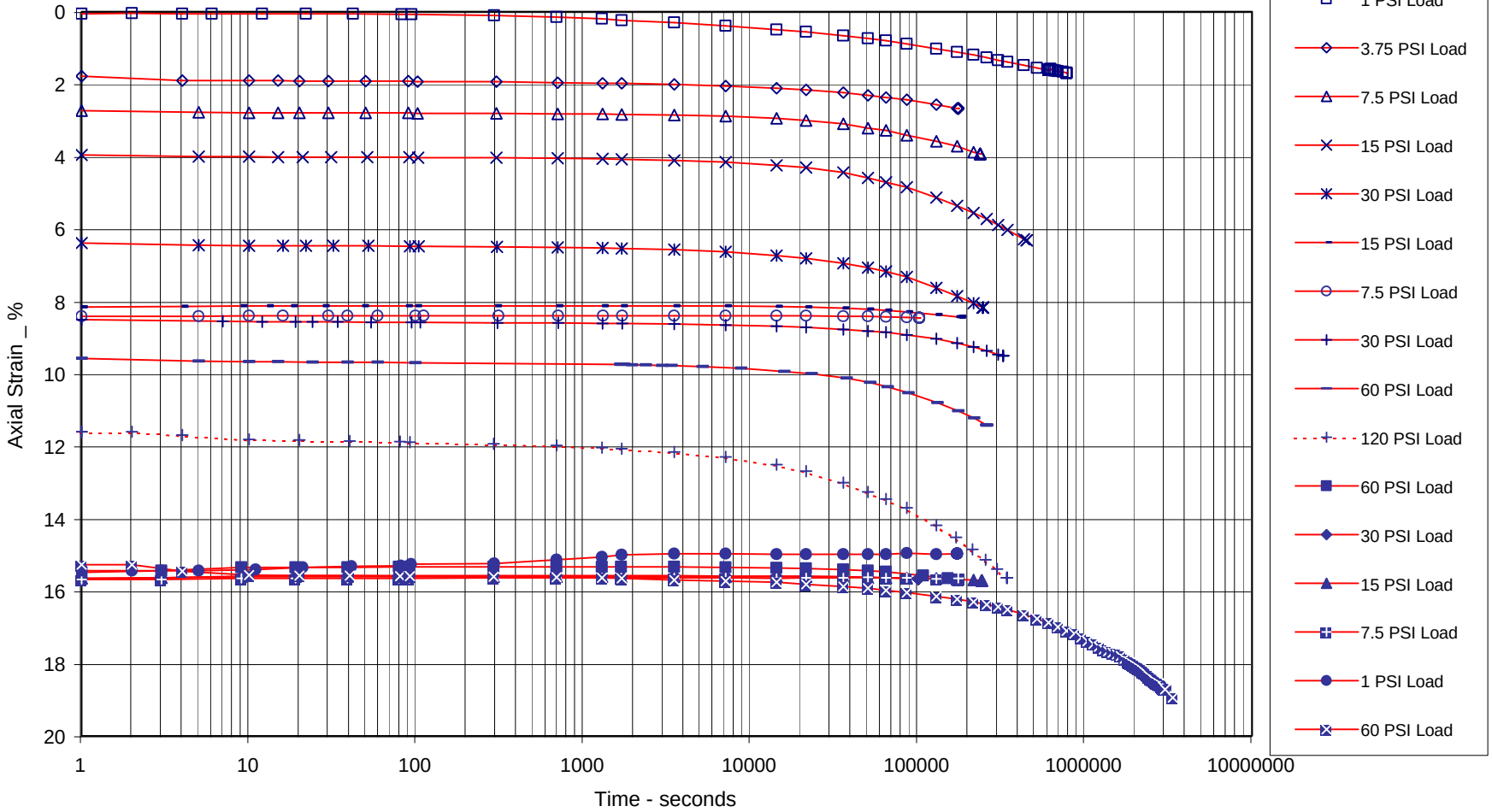
(23) Mass of Specimen Ring + Cover Plates	g	**1085.6**	**1085.6**
(24) Mass of Specimen Ring + Cover Plate + Wet Specimen	g	**1573.0**	**1508.5**
(25) Mass of Wet Specimen = (24) - (23)	g	487.4	422.9

DRY UNIT WEIGHT OF SPECIMEN

(26) Mass of Wet Specimen = (25)	g	487.4	422.9
(27) Water Content = (22)	%	34.7	16.9
(28) Specimen Ring Volume = (8) ☑ in^3 ☐ cm^3		17.73	14.37
(29) Mass of Dry Specimen (M_T) = (26) / [1 + (27) / 100]	g	361.9	361.9
(30) Dry Unit Weight of Specimen = [(29) / (28)] C 2/ C = 3.8095 ☑ lbf/ft^3 ☐ kN/m^3		77.7	95.9

1/ For inch-pound applications ρ_w = 62.29 lbm/ft^3. For SI applications ρ_w = 1.00 g/cm^3.
C is a conversion factor, for inch-pound applications C= 3.8095. For SI metric Applications C= 1000

2/ For inch-pound applications C = 3.8095 and converts g/in^3 to lbm/ft^3. Assuming lbf = lbm. For SI applications C = 9.807 and converts g/cm^3 to kN/m^3



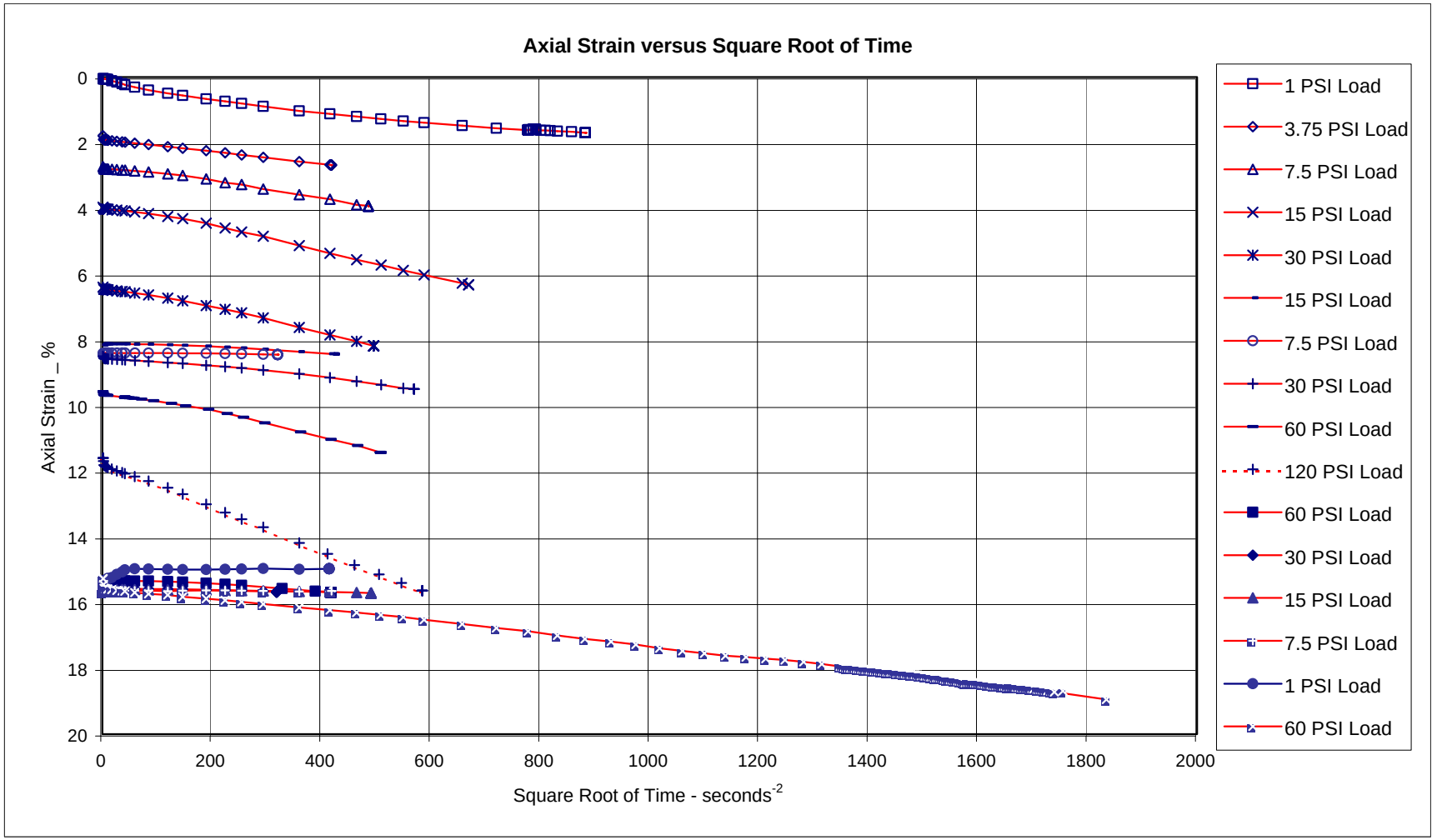
Drill Hole:	DH-4-10
Depth:	0.00 - 1.00 ft
Sample No.	54F-135
Test Specimen Interval:	0.00 - 1.00 ft

Liquid Limit:	N/A
Plasticity Index:	N/A
Shrinkage Limit:	-
Specific Gravity:	2.20
Classification:	Salt

Date Testing Started: March 3, 2003

	Initial	Final
Void Ratio	0.76	0.43
Dry Unit Weight - lbf/ft^3	77.7	95.9
Water Content - %	34.7	16.9
Degree of Saturation - %	100.0	86.5

Figure _____

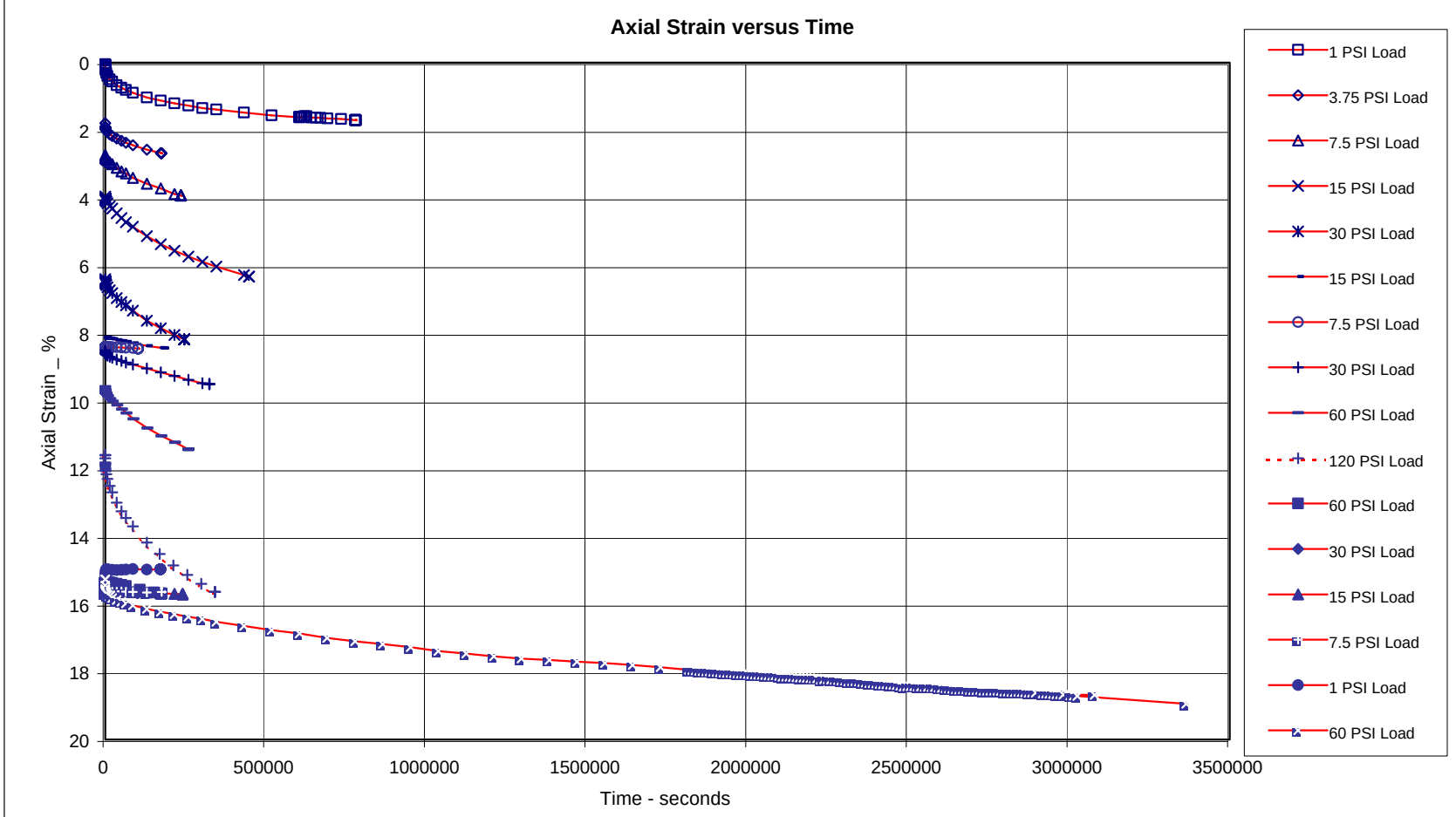


Drill Hole:	DH-4-10
Depth:	0.00 - 1.00 ft
Sample No.	54F-135
Test Specimen Interval:	0.00 - 1.00 ft

Liquid Limit:	N/A
Plasticity Index:	N/A
Shrinkage Limit:	-
Specific Gravity:	2.20
Classification:	Salt

Date Testing Started: March 3, 2003

	Initial	Final
Void Ratio	0.76	0.43
Dry Unit Weight - lbf/ft^3	77.7	95.9
Water Content - %	34.7	16.9
Degree of Saturation - %	100.0	86.5

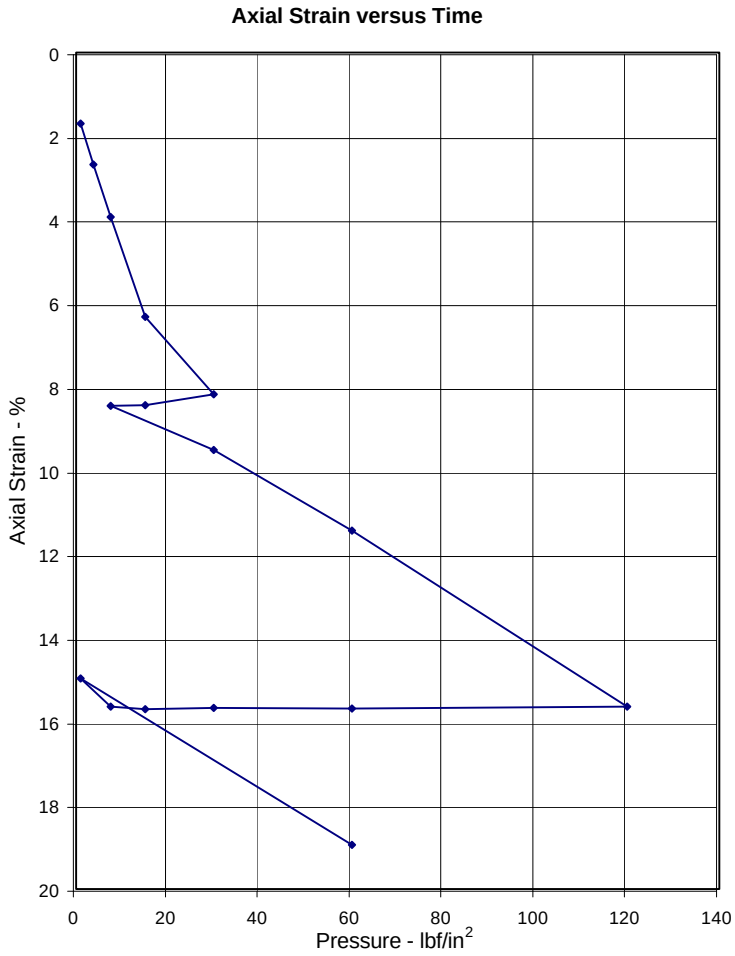


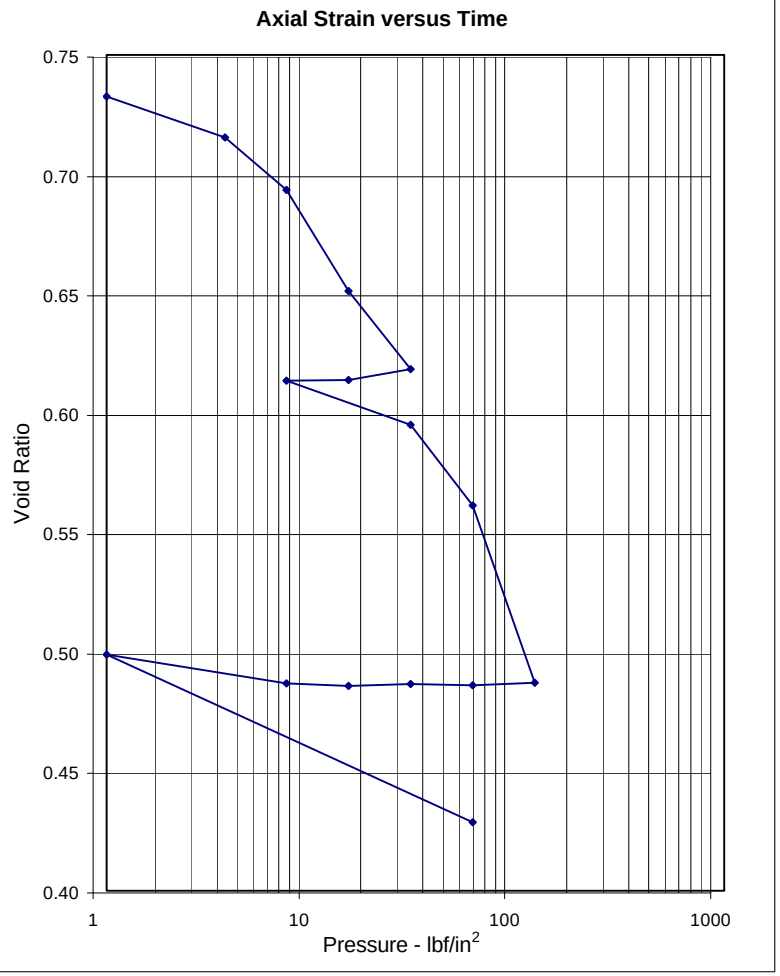
Drill Hole: DH-4-10
Depth: 0.00 - 1.00 ft
Sample No. 54F-135
Test Specimen Interval: 0.00 - 1.00 ft

Liquid Limit: N/A
Plasticity Index: N/A
Shrinkage Limit: -
Specific Gravity: 2.20
Classification: Salt

Date Testing Started: March 3, 2003

	Initial	Final
Void Ratio	0.76	0.43
Dry Unit Weight - lbf/ft^3	77.7	95.9
Water Content - %	34.7	16.9
Degree of Saturation - %	100.0	86.5





Drill Hole:	DH-4-10	Liquid Limit:	N/A	Date Testing Started:	March 3, 2003
Depth:	0.00 - 1.00 ft	Plasticity Index:	N/A		
Sample No.	54F-135	Shrinkage Limit:	-		
Test Specimen Interval:	0.00 - 1.00 ft	Specific Gravity:	2.20		
Specimen Diameter:	4.25 in	Classification:	Salt		
Specimen Height:	1.25 in				

	Initial	Final
Void Ratio	0.76	0.43
Dry Unit Weight - lbf/ft^3	77.7	95.9
Water Content - %	34.7	16.9
Degree of Saturation - %	100.0	86.5