

ST Joe BAY



**Ben Meadows**

1-800-241-6401

**LEVEL BOOK**

#101596

ST. JOE BAY

# DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING

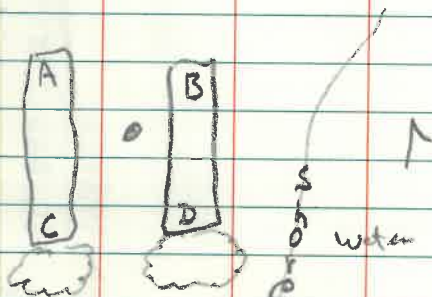
Roadway of any Width. Side Slopes  $1\frac{1}{2}$  to 1.

In the figure below: opposite 7 under "Cut or Fill" and under .3

2-19-99

Bryan - Alan - Adel - Jim

Installed SET SW corner of  
St. Joe Bay - placed fellspar  
@



LOCATION IS @ SW corner of Bay.  
21d Fire Tower is 2050 from site

|    |      |      |      |      |      |      |      |      |      |      |    |
|----|------|------|------|------|------|------|------|------|------|------|----|
| 37 | 55.5 | 55.7 | 55.8 | 56.0 | 56.1 | 56.3 | 56.4 | 56.6 | 56.7 | 56.9 | 37 |
| 38 | 57.0 | 57.2 | 57.3 | 57.5 | 57.6 | 57.8 | 57.9 | 58.1 | 58.2 | 58.4 | 38 |
| 39 | 58.5 | 58.7 | 58.8 | 59.0 | 59.1 | 59.3 | 59.4 | 59.6 | 59.7 | 59.9 | 39 |
| 40 | 60.0 | 60.2 | 60.3 | 60.5 | 60.6 | 60.8 | 60.9 | 61.1 | 61.2 | 61.4 | 40 |

IF FOUND RETURN TO:  
FLORIDA  
GEOLOGICAL  
SURVEY

850-488-9380

903 W. Tennessee St  
Tallahassee, FL 32304

GPS 76 9/29/04  
N 29° 41.552' N  
W 085° 22.312' W

The paper in this book is  
made of 50% high grade rag stock with  
a WATER RESISTING surface sizing.

[illegible]

ST. Joseph Bay  
EPA / FGS / FSU  
COOPERATIVE STUDY

10/16/97

Way point #1

11:11 am left dock for reconnaissance

Vibra coring at St. Joe

J Ladner R. Dehan

M. Zelnhardy

C. Rutkowski

C. Trimble

12:00 noon

VIBRA CORE

SJ-VI

Black Island

N 29° 44.000' (0")

W 085° 18.809' (48.54") 16:03:48

Took First Core:

Pipe above surface 16.9'

Compression

inside 8.8'

Boom Failure; Core Marked &  
Secured. That's all she  
wrote.

See Way point 2

10/21/97

11:46 am

left Eagle Harbor for

wypt #2 to retrieve SJ-VI

LJ Ladner

C. Trimble

J Balsillie

2:27pm

VIBRA CORE

SJ-V2

Pig Island

outside 18"

inside 3.5' compression

Lat N 29° 42.895' (53.7")

Long W 085° 22.684' (41.04") Way point 4

18:35:17

2/12/98

11:34 am

1<sup>st</sup> Bridge So past Pt St Joe  
and Cape San Blas Rd  
Vibrocoring

SJ-V3

Core barrel to surface = 1.6'

From top of Core to water = 0.9

Core to top of tube = 4.75'

Compaction to 5.1'

N 290 47.909

W 85° 18.159

Vibrocoring R Dehan  
J Ladner  
C Trimble

2/12/98

2:15 pm

SJ-V4

Vibrocoring

So W about 500 yds from  
Canal Bridge

Inside to top of core 4.2'

Top of Core to Bottom 2.6

Water depth to 4.6'

Core barrel to Water 0.7'

N 290 49.301

W 85° 18.942

4/6/98

\* Vibra coring St Joe  
Bay at Seepage  
Meter Locations.

J. Ladner

R. Dehan

~1:00 pm Vibra Core  
SJ-V5

Lat  $N29^{\circ}45.808'$

Lon  $W85^{\circ}18.511$

(Near Mainland)

1.5 outside

1.5 inside

lost 4 inches

4/6/98

~ 4:30 pm

Vibra core

SJ-V6

(is this correct?)

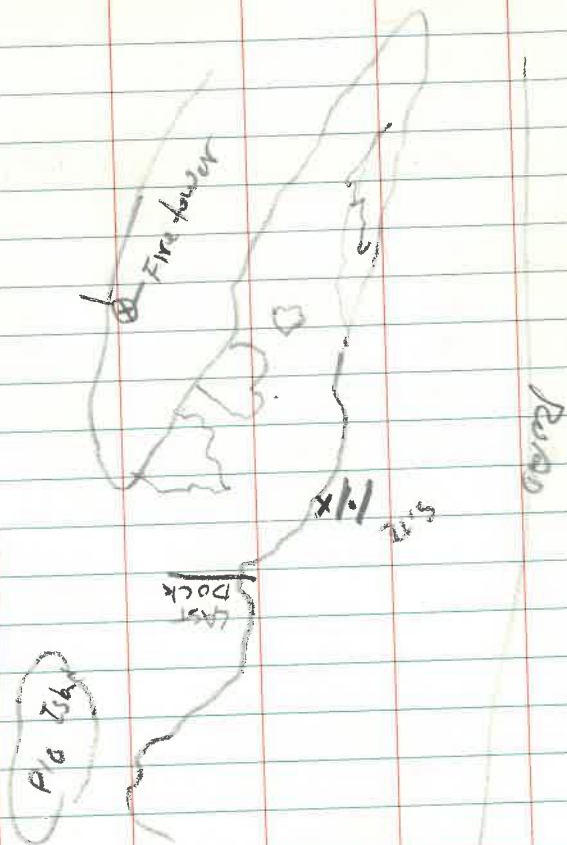
Lat  $N29^{\circ}24.660$

Long  $W85^{\circ}23.34?$

(Near Peninsula)

6.5 outside

10.0' inside



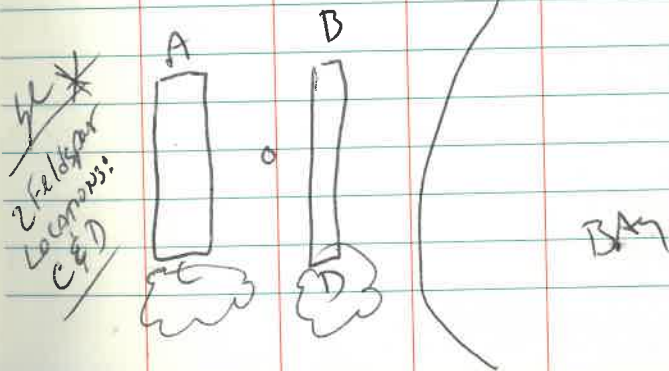
St. Joe SET

Location  $29^{\circ} 41.536' N / 085^{\circ} 22.314' W$   
(ONE SITE)

Initial Reading 4/13/99

|   | A NW | B NE | C SW | D SE |
|---|------|------|------|------|
| 1 | 16.7 | 22.9 | 23.1 | 19.5 |
| 2 | 20.4 | 22.5 | 22.0 | 18.2 |
| 3 | 22.4 | 20.4 | 21.0 | 19.1 |
| 4 | 19.8 | 23.2 | 21.5 | 18.2 |
| 5 | 21.4 | 23.4 | 21.6 | 19.5 |
| 6 | 20.4 | 21.0 | 20.6 | 20.9 |
| 7 | 21.9 | 22.2 | 21.6 | 17.3 |
| 8 | 22.1 | 21.6 | 21.4 | 18.9 |
| 9 | 22.0 | 22.1 | 20.5 | 18.2 |

CH: Crab Hole



\*1st Feldspar layer put down:  
Feb 19, 1999

One site

6-24-99

St Joe Bay  
J. - Chen - Grogan

A NW B NE C SW D SE

1 CH 22.4 19.6 17.1

2 20.7 22.2 20.6 17.7

3 20.5 22.3 19.6 17.9

4 CH 22.3 21.5 17.7

5 21.1 22.1 21.0 16.6

6 22.1 20.6 19.3 17.8

7 20.8 22.2 21.7 18.1

8 20.5 20.2 19.6 17.1

9 20.7 22.2 21.1 17.4

Cryo 1

2

3

4

5

0.5 2.2

1.4 1.2

0.9 1.3

0.9 2.5

1.1 3.0

11-17-99

St Joe Bay Lachen

CH = Crab Hole

A NW B NE C SW D SE

1 23.4 20.8 18.3 21.6

2 23.7 21.4 18.5 22.5

3 22.3 18.5 CH 19.1 22.7

4 22.5 22.0 18.4 19.7

5 23.0 21.3 18.7 22.5

6 22.2 20.0 19.0 21.5

7 22.9 19.7 19.4 20.4

8 21.1 19.2 17.9 CH

9 21.2 19.5 18.3 19.8

Cryo 1

2

3

4

5.38 5.34

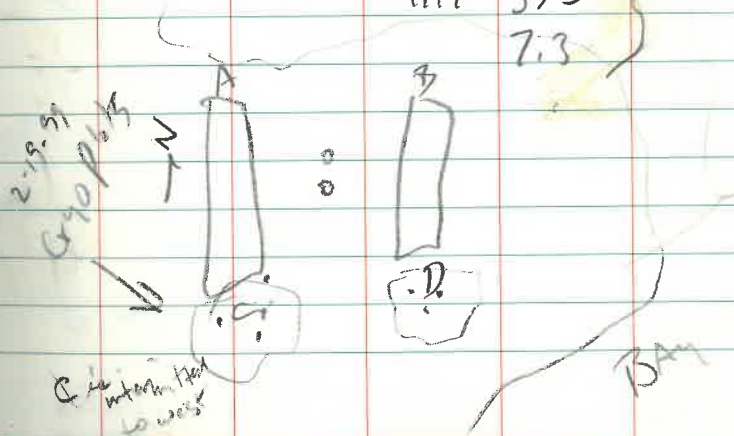
3.58 5.93

4.79 5.52

6.34 5.27

4.19 5.3

7.3



Attempt 3 attempts

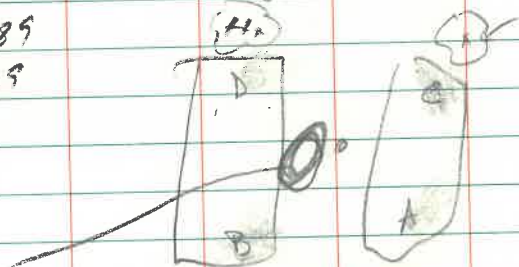
5-16-2000

Jim L.  
Alan W.

St Joe Bay

|   | A    | B    | C    | D    |
|---|------|------|------|------|
| 1 | 23.0 | 24.5 | 23.0 | 18.6 |
| 2 | 22.7 | 21.5 | 22.3 | 20.5 |
| 3 | 22.6 | 21.2 | 19.8 | 18.5 |
| 4 | 23.9 | 23.4 | 22.8 | 18.7 |
| 5 | 23.0 | 22.9 | 23.1 | 18.5 |
| 6 | 21.6 | 21.6 | 23.3 | 20.2 |
| 7 | 23.2 | 21.3 | 21.4 | 19.8 |
| 8 | 22.7 | 22.3 | 22.9 | 20.6 |
| 9 | 22.4 | 23.2 | 23.3 | 19.9 |

|      |   |       |
|------|---|-------|
| Cryo | 1 | 12.10 |
|      | 2 | 11.55 |
|      | 3 | 9.72  |
|      | 4 | 13.89 |
|      | 5 | 10.69 |

3 Attempts at D  
No recovery

New Fellspar BD

5-16-2000

band locations

make

a sketch map

10-10-2000

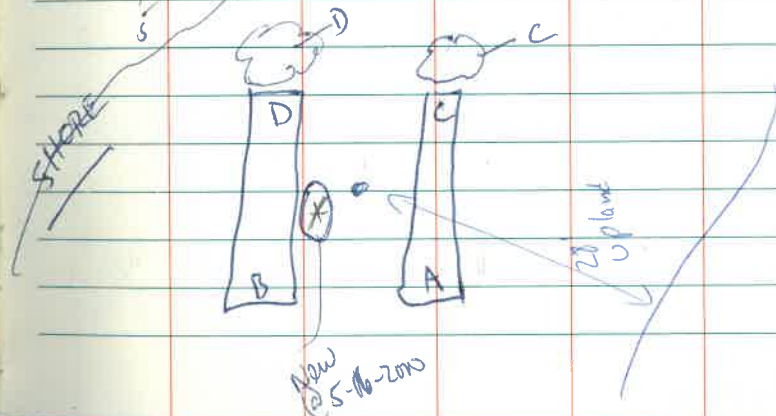
Jim L.  
Brian C.

ST. JOE BAY

|   | A NW | B NE | C SW | D SE |
|---|------|------|------|------|
| 1 | 20.1 | 21.3 | 23.8 | 18.1 |
| 2 | 22.2 | 20.6 | 22.8 | 18.4 |
| 3 | 20.8 | 19.8 | 21.7 | 19.4 |
| 4 | 21.7 | 20.4 | 24.8 | 16.4 |
| 5 | 21.9 | 17.9 | 22.7 | 20.0 |
| 6 | 21.1 | 19.6 | 21.8 | 17.9 |
| 7 | 22.2 | 20.5 | 21.8 | 18.6 |
| 8 | 20.6 | 19.6 | 20.2 | 19.0 |
| 9 | 22.3 | 20.1 | 21.4 | 18.0 |

BD

|      |   |      |
|------|---|------|
| Cryo | 1 | 12.4 |
|      | 2 | 14.6 |
|      | 3 | 14.0 |
|      | 4 |      |
|      | 5 |      |



5/9/01

1:30 p.m.

St. Joe Bay

Jim L.  
Briggs C.

|   | A    | B    | C    | D    |
|---|------|------|------|------|
| 1 | 23.6 | 23.8 | 24.5 | 19.6 |
| 2 | 22.3 | 23.2 | 22.4 | 18.6 |
| 3 | 21.1 | 22.6 | 22.2 | 17.6 |
| 4 | 25.4 | 23.7 | 24.8 | 16.7 |
| 5 | 24.3 | 23.2 | 21.6 | 21.2 |
| 6 | 22.0 | 23.1 | 21.2 | 21.0 |
| 7 | 25.9 | 22.5 | 20.9 | 22.8 |
| 8 | 21.5 | 20.2 | 21.0 | 19.7 |
| 9 | 24.0 | 19.5 | 21.4 | 21.0 |

Cryo

3D

|   |       |
|---|-------|
| 1 | 7.70  |
| 2 | 12.91 |
| 3 | 7.54  |
| 4 |       |
| 5 |       |

\*New Field Station  
Established (5/9/01)

Cond = 52.0  
Temp = 26.3  
Sal = 34.2  
Distance = 15 ft

11/58 Am

3-7-02

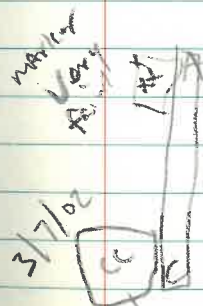
LADNER

ST. JOE BAY

|   | A    | B    | C    | D    |
|---|------|------|------|------|
| 1 | 20.8 | 23.5 | 24.2 | 17.4 |
| 2 | 22.3 | 22.8 | 22.7 | 18.8 |
| 3 | 21.0 | 22.1 | 22.5 | 18.5 |
| 4 | 23.7 | 22.0 | 24.5 | 17.7 |
| 5 | 21.3 | 20.1 | 21.6 | 18.2 |
| 6 | 21.3 | 22.5 | 20.8 | 18.4 |
| 7 | 23.0 | 23.1 | 20.7 | 19.5 |
| 8 | 20.8 | 21.6 | 20.2 | 18.6 |
| 9 | 23.9 | 22.4 | 20.6 | 18.5 |

|        | A    |
|--------|------|
| Cryo 1 | 4.96 |
| 2      | 3.00 |
| 3      | 2.92 |
| 4      | 2.10 |
| 5      | 2.20 |

Temp 15.7 °C  
Cond. 43.01 uS  
Salinity 27.7 ppt



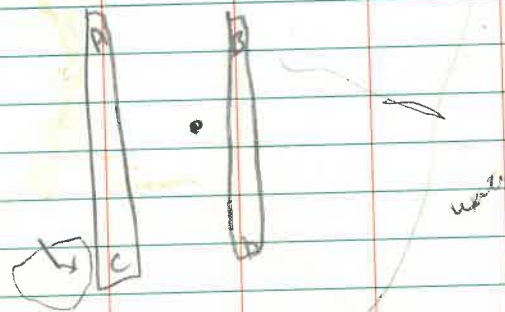
New Field Station

3/25/03 ST Joe Bay SE

|   | A NW | B NE               | C SW | D SE |
|---|------|--------------------|------|------|
| 1 | 19.3 | 21.8               | 24.6 | 17.0 |
| 2 | 21.9 | 20.6               | 24.8 | 15.4 |
| 3 | 21.6 | 13.8 <sup>CH</sup> | 23.3 | 15.2 |
| 4 | 20.5 | 20.7               | 24.5 | 14.7 |
| 5 | 20.1 | 18.9               | 24.4 | 15.1 |
| 6 | 20.9 | 19.2               | 21.5 | 16.7 |
| 7 | 21.3 | 23.3               | 21.0 | 15.6 |
| 8 | 21.2 | 22.7               | 21.0 | 16.0 |
| 9 | 21.8 | 22.0               | 22.7 | 15.0 |

(U)

|        |      |
|--------|------|
| Cryo 1 | 8.02 |
| 2      | 8.29 |
| 3      | 8.93 |
| 4      | 5.72 |
| 5      | 5.61 |

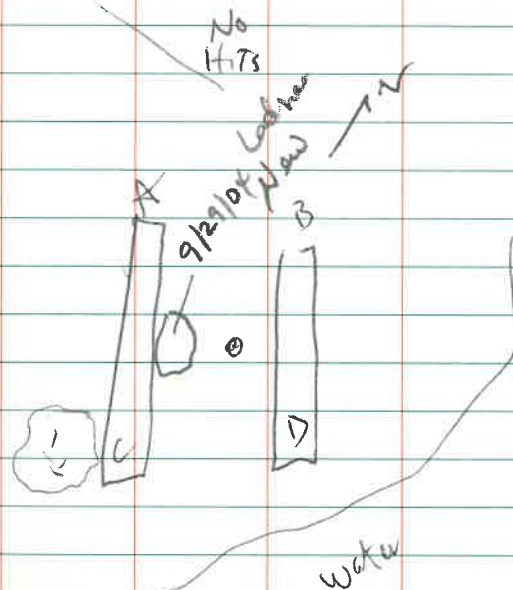


Lab 9/29/04 ST Joe Bay

|   | A NW | B NE | C SW | D SE      |
|---|------|------|------|-----------|
| 1 | 21.1 | 19.6 | 21.0 | 11.9      |
| 2 | 24.2 | 19.8 | 21.7 | 19.6      |
| 3 | 20.6 | 17.6 | 24.8 | 19.4      |
| 4 | 23.4 | 19.4 | 19.7 | 20.2      |
| 5 | 22.2 | 19.7 | 21.6 | 18.5      |
| 6 | 22.8 | 19.0 | 24.6 | 18.9      |
| 7 | 18.7 | 18.2 | 19.2 | 20.4      |
| 8 | 23.5 | 20.0 | 19.9 | 18.4      |
| 9 | 24.4 | 21.8 | 24.4 | 20.0 18.8 |

Cryo

2  
3  
4



03/12/05

SET LOCATION  
HAS BEEN  
WASHED AWAY

||||

