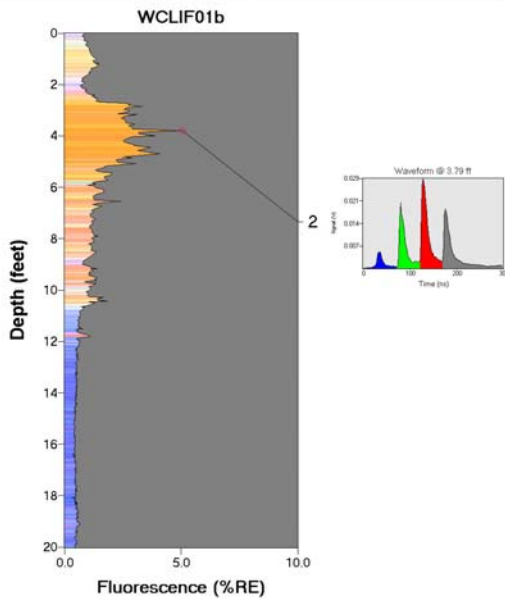




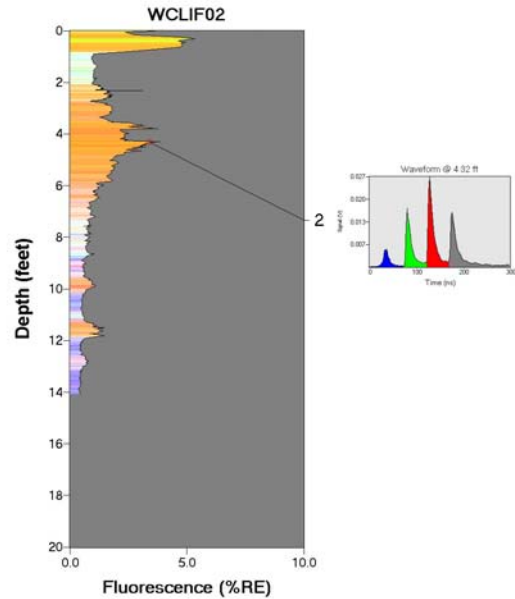
## APPENDIX C: Copies of All LIF Records

Laser Induced Fluorescence records of the Minnesota Slip investigation collected as collected in the field March 2-8, 2004. Records produced by Dakota Technologies, Inc.

ROST Fluorescence Response Data	
Site: 46-46.90367N 92-05.7049W	Operator: Steve Adamek
Client: West Central	Job #: Minnesota Slip, Duluth
Date/Time: 3/2/2004 @ 11:51:31 AM	Max fluorescence: 5.05% @ 3.79 ft
ROST Unit: DTI-01	Final depth BGS: 20.02 ft

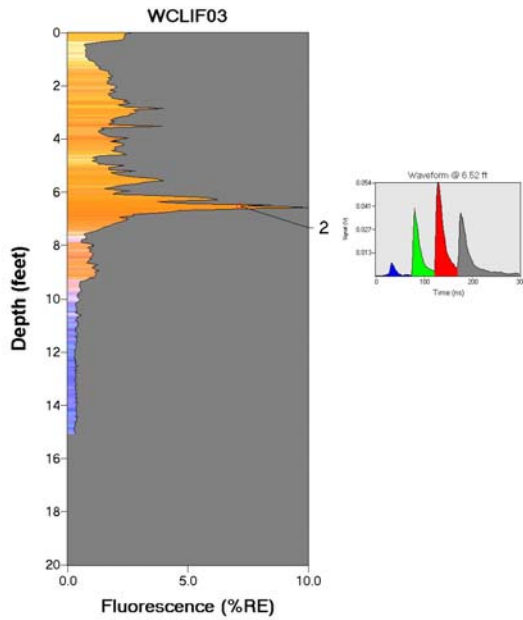


ROST Fluorescence Response Data	
Site: Minnesota Slip, Duluth	Operator: Steve Adamek
Client: West Central	Job #: 46-46.916N, 92-05.80662
Date/Time: 3/2/2004 @ 1:33:44 PM	Max fluorescence: 5.35% @ 0.31 ft
ROST Unit: DTI-01	Final depth BGS: 14.07 ft



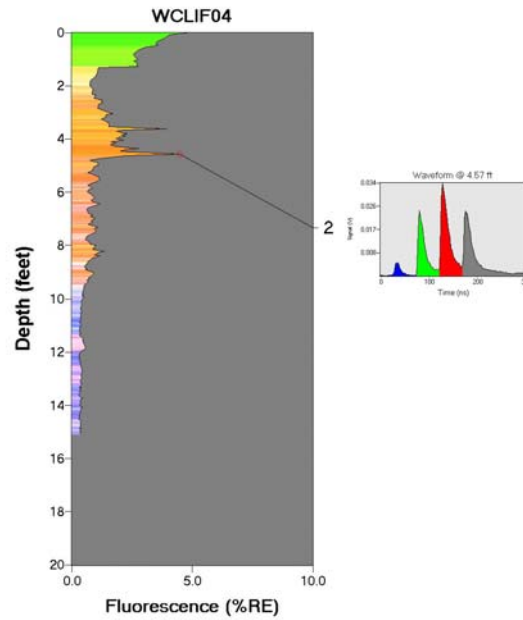


ROST Fluorescence Response Data	
Site: DTI	Operator: Steve Adamek
Client: WCEC	Job #:
Date/Time: 3/2/2004 @ 2:45:03 PM	Max fluorescence: 10.15% @ 6.52 ft
ROST Unit: DTI-01	Final depth BGS: 15.07 ft



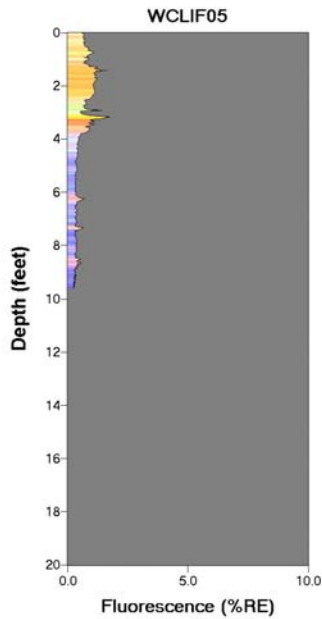
Dakota Technologies, Inc. 2201-A 12th St N, Fargo, ND 58102 (701) 237-4900 www.dakotatechnologies.com

ROST Fluorescence Response Data	
Site: DTI	Operator: Steve Adamek
Client: WCEC	Job #:
Date/Time: 3/2/2004 @ 3:33:02 PM	Max fluorescence: 4.77% @ 0.00 ft
ROST Unit: DTI-01	Final depth BGS: 15.10 ft



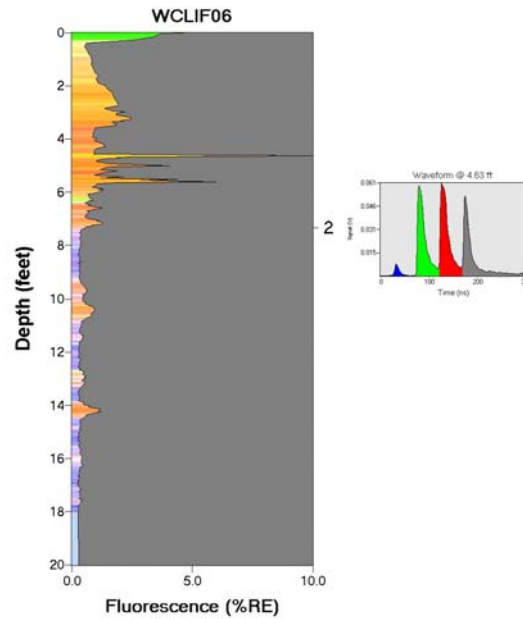
Dakota Technologies, Inc. 2201-A 12th St N, Fargo, ND 58102 (701) 237-4900 www.dakotatechnologies.com

ROST Fluorescence Response Data	
Site: DTI	Operator: SA
Client: WCEC	Job #:
Date/Time: 3/2/2004 @ 4:14:52 PM	Max fluorescence: 1.76% @ 3.17 ft
ROST Unit: DTI-01	Final depth BGS: 9.56 ft



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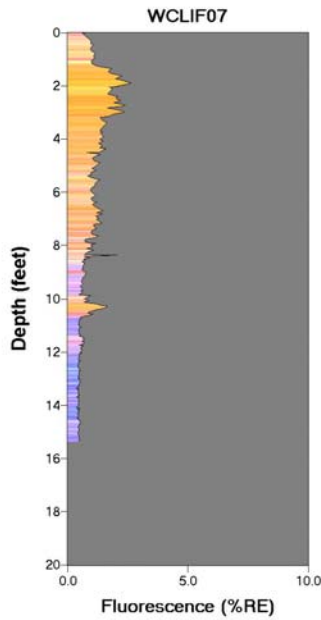
ROST Fluorescence Response Data	
Site: DTI	Operator: SA
Client: WCEC	Job #:
Date/Time: 3/2/2004 @ 5:06:56 PM	Max fluorescence: 10.97% @ 4.63 ft
ROST Unit: DTI-01	Final depth BGS: 26.89 ft



Dakota Technologies, Inc. 2201-A 12th St N, Fargo, ND 58102 (701) 237-4900 www.dakotatechnologies.com

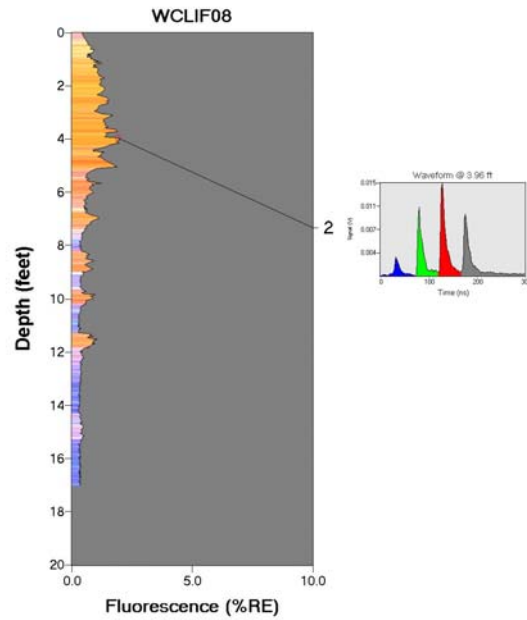


ROST Fluorescence Response Data	
Site: DTI	Operator: SA
Client: WCEC	Job #:
Date/Time: 3/2/2004 @ 5:51:19 PM	Max fluorescence: 2.63% @ 1.90 ft
ROST Unit: DTI-01	Final depth BGS: 15.36 ft



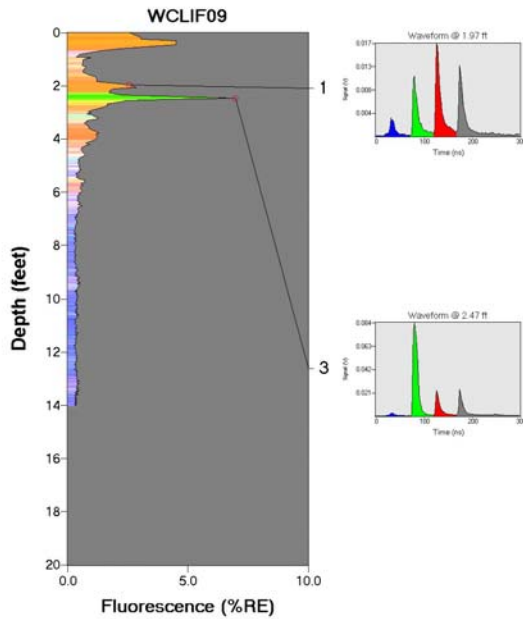
Dakota Technologies, Inc. 2201-A 12th St N, Fargo, ND 58102 (701) 237-4906 www.dakotatechnologies.com

ROST Fluorescence Response Data	
Site: Minnesota Slip	Operator: Steve Adamek
Client: WCEC	Job #:
Date/Time: 3/2/2004 @ 8:48:15 AM	Max fluorescence: 1.97% @ 4.03 ft
ROST Unit: DTI-01	Final depth BGS: 17.02 ft



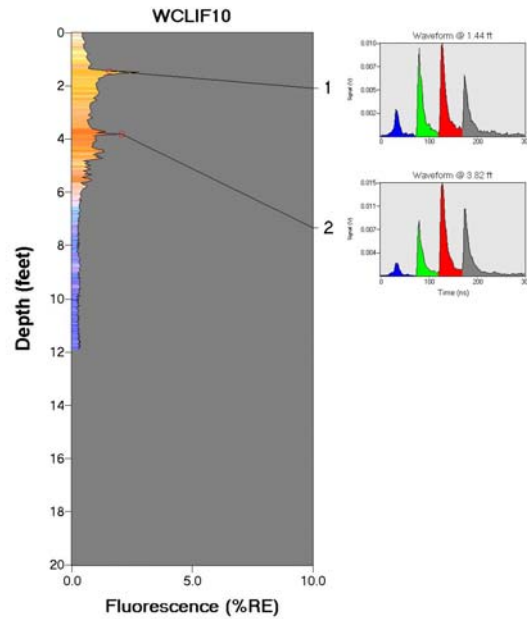
Dakota Technologies, Inc. 2201-A 12th St N, Fargo, ND 58102 (701) 237-4906 www.dakotatechnologies.com

ROST Fluorescence Response Data	
Site: Minnesota Slip	Operator: Steve Adamek
Client: WCEC	Job #:
Date/Time: 3/2/2004 @ 9:44:01 AM	Max fluorescence: 6.96% @ 2.47 ft
ROST Unit: DTI-01	Final depth BGS: 14.01 ft



Dakota Technologies, Inc. 2201-A 12th St N, Fargo, ND 58102 (701) 237-4906 www.dakotatechnologies.com

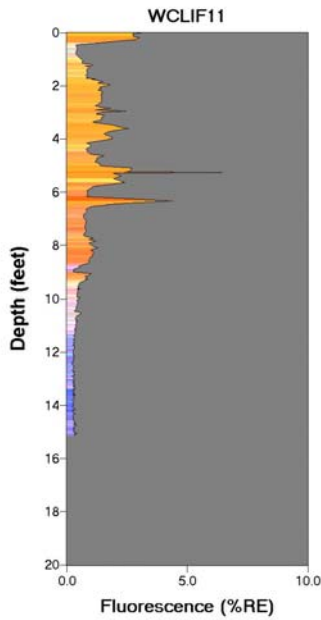
ROST Fluorescence Response Data	
Site: Minnesota Slip	Operator: Steve Adamek
Client: WCEC	Job #:
Date/Time: 3/2/2004 @ 10:41:44 AM	Max fluorescence: 2.79% @ 1.49 ft
ROST Unit: DTI-01	Final depth BGS: 11.89 ft



Dakota Technologies, Inc. 2201-A 12th St N, Fargo, ND 58102 (701) 237-4906 www.dakotatechnologies.com

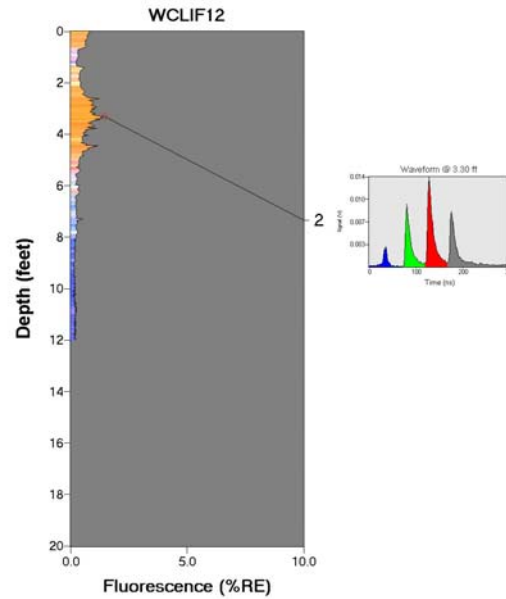


ROST Fluorescence Response Data	
Site: Minnesota Slip	Operator: Steve Adamek
Client: WCEC	Job #:
Date/Time: 3/3/2004 @ 11:21:45 AM	Max fluorescence: 6.44% @ 5.26 ft
ROST Unit: DTI-01	Final depth BGS: 15.14 ft



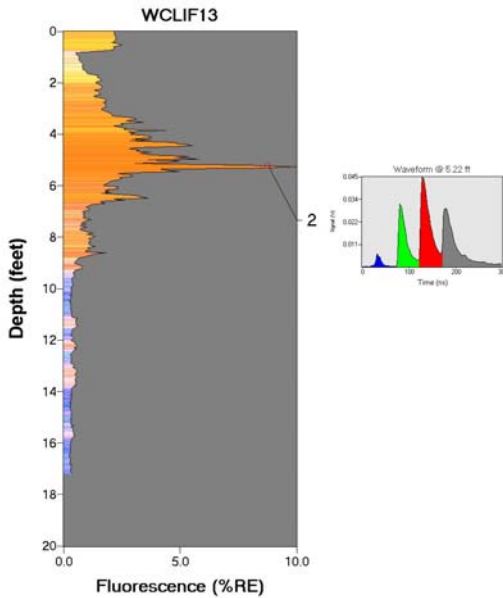
Dakota Technologies, Inc., 2201-A 12th St N., Fargo, ND 58102 (701) 237-4908 www.dakotatechnologies.com

ROST Fluorescence Response Data	
Site: Minnesota Slip	Operator: Steve Adamek
Client: WCEC	Job #:
Date/Time: 3/3/2004 @ 12:04:12 PM	Max fluorescence: 1.46% @ 3.30 ft
ROST Unit: DTI-01	Final depth BGS: 12.00 ft



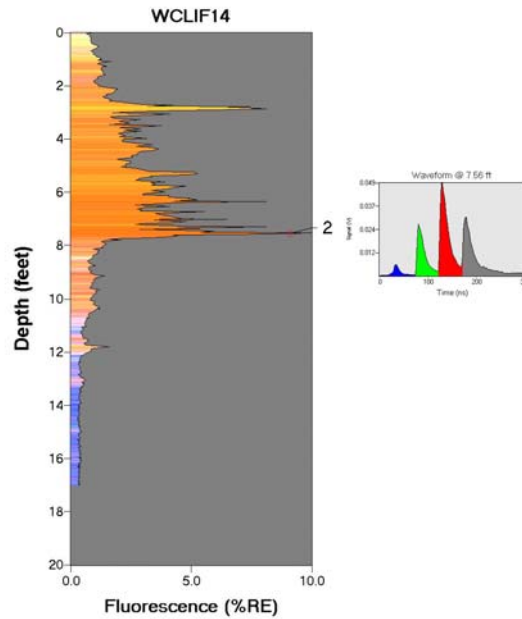
Dakota Technologies, Inc., 2201-A 12th St N., Fargo, ND 58102 (701) 237-4908 www.dakotatechnologies.com

ROST Fluorescence Response Data	
Site: DTI	Operator: R. St. Germain
Client: Canadians	Job #:
Date/Time: 3/3/2004 @ 2:06:36 PM	Max fluorescence: 10.62% @ 5.27 ft
ROST Unit: DTI-01	Final depth BGS: 17.20 ft



Dakota Technologies, Inc., 2201-A 12th St N., Fargo, ND 58102 (701) 237-4908 www.dakotatechnologies.com

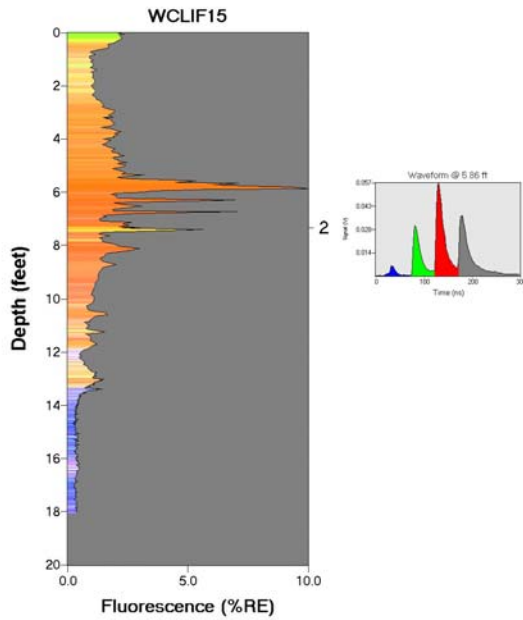
ROST Fluorescence Response Data	
Site: Minnesota Slip	Operator: Steve Adamek
Client: WCEC	Job #:
Date/Time: 3/3/2004 @ 2:54:01 PM	Max fluorescence: 12.51% @ 7.53 ft
ROST Unit: DTI-01	Final depth BGS: 17.01 ft



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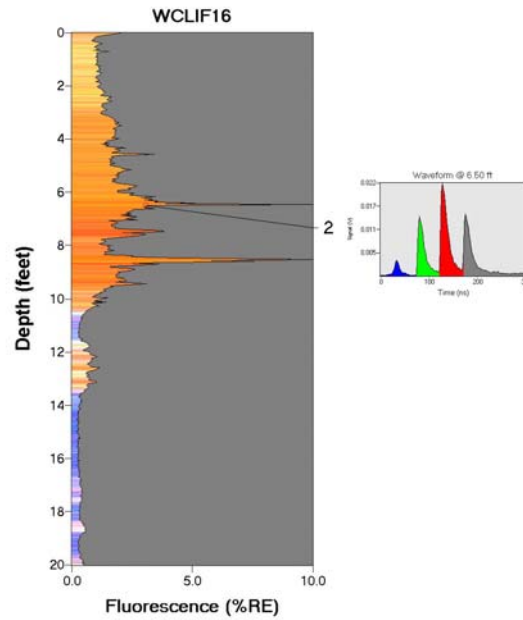


ROST Fluorescence Response Data	
Site: Minnesota Slip	Operator: Steve Adamek
Client: WCEC	Job #:
Date/Time: 3/3/2004 @ 3:42:02 PM	Max fluorescence: 11.91% @ 5.86 ft
ROST Unit: DTI-01	Final depth BGS: 18.05 ft



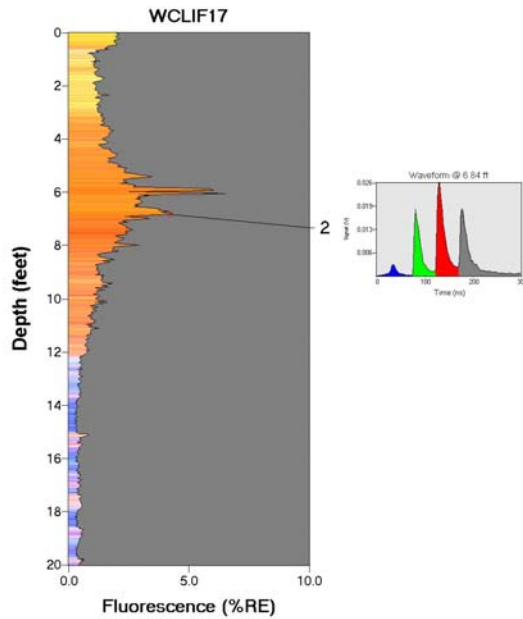
Dakota Technologies, Inc. 2201-A 12th St N, Fargo, ND 58102 (701) 237-4908 www.dakotatech.com

ROST Fluorescence Response Data	
Site: Minnesota Slip	Operator: Steve Adamek
Client: WCEC	Job #:
Date/Time: 3/3/2004 @ 4:23:06 PM	Max fluorescence: 17.43% @ 6.46 ft
ROST Unit: DTI-01	Final depth BGS: 20.04 ft



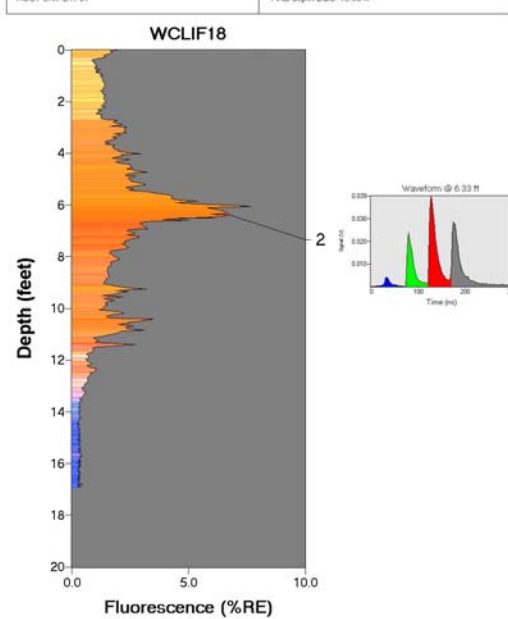
Dakota Technologies, Inc. 2201-A 12th St N, Fargo, ND 58102 (701) 237-4908 www.dakotatech.com

ROST Fluorescence Response Data	
Site: Minnesota Slip	Operator: Steve Adamek
Client: WCEC	Job #:
Date/Time: 3/3/2004 @ 5:04:22 PM	Max fluorescence: 6.51% @ 6.95 ft
ROST Unit: DTI-01	Final depth BGS: 20.92 ft



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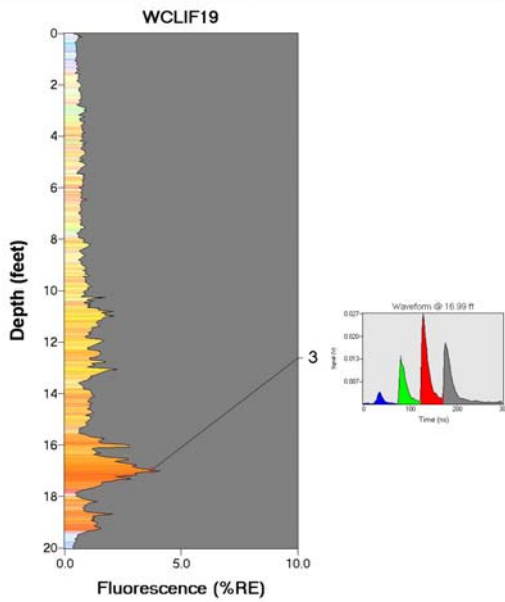
ROST Fluorescence Response Data	
Site: Minnesota Slip	Operator: Steve Adamek
Client: WCEC	Job #:
Date/Time: 3/3/2004 @ 5:50:21 PM	Max fluorescence: 7.62% @ 6.06 ft
ROST Unit: DTI-01	Final depth BGS: 16.93 ft



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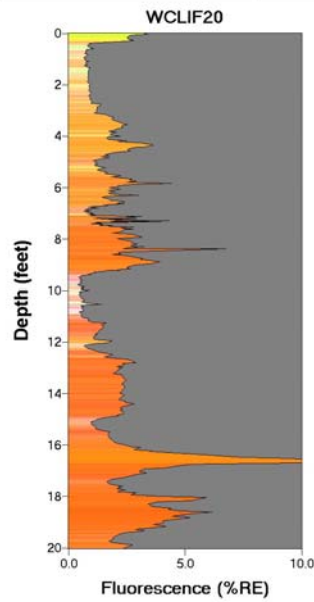


ROST Fluorescence Response Data	
Site: Minnesota Slip	Operator: Steve Adamek
Client: WCEC	Job #:
Date/Time: 3/4/2004 @ 8:53:08 AM	Max fluorescence: 4.12% @ 17.01 ft
ROST Unit: DTI-01	Final depth BGS: 25.39 ft



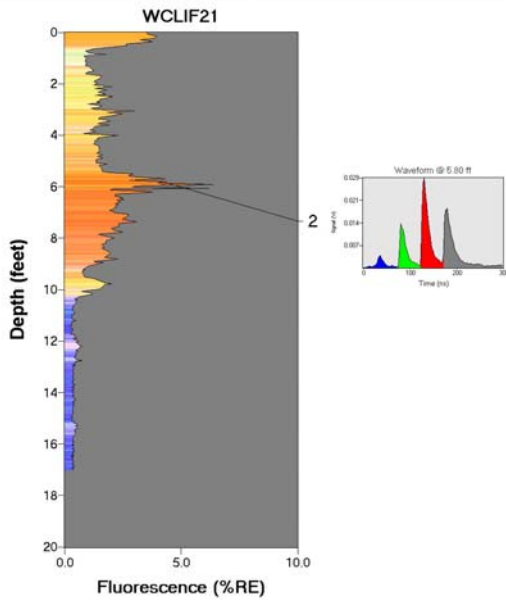
Dakota Technologies, Inc., 2201-A 12th St N., Fargo, ND 58102 (701) 237-4908 www.dakotatechnologies.com

ROST Fluorescence Response Data	
Site: Minnesota Slip	Operator: Steve Adamek
Client: WCEC	Job #:
Date/Time: 3/4/2004 @ 9:46:56 AM	Max fluorescence: 28.16% @ 16.56 ft
ROST Unit: DTI-01	Final depth BGS: 27.38 ft



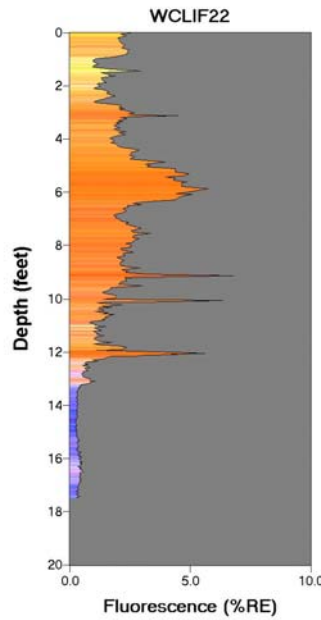
Dakota Technologies, Inc., 2201-A 12th St N., Fargo, ND 58102 (701) 237-4908 www.dakotatechnologies.com

ROST Fluorescence Response Data	
Site: Minnesota Slip	Operator: Steve Adamek
Client: WCEC	Job #:
Date/Time: 3/4/2004 @ 12:07:19 PM	Max fluorescence: 6.36% @ 5.91 ft
ROST Unit: DTI-01	Final depth BGS: 17.01 ft



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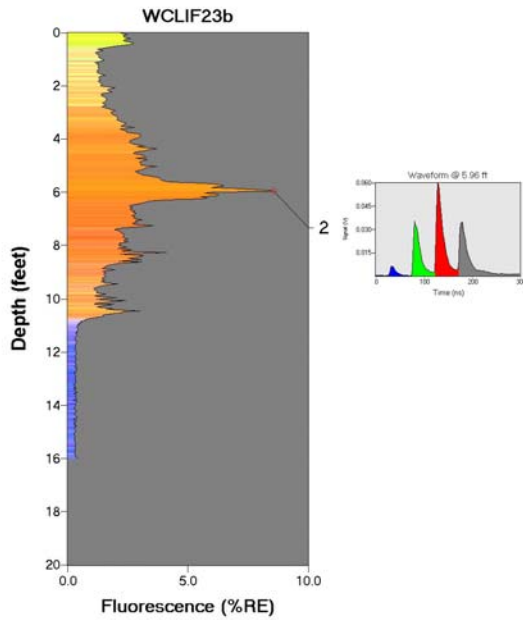
ROST Fluorescence Response Data	
Site: Minnesota Slip	Operator: Steve Adamek
Client: WCEC	Job #:
Date/Time: 3/4/2004 @ 12:47:37 PM	Max fluorescence: 6.79% @ 9.15 ft
ROST Unit: DTI-01	Final depth BGS: 17.51 ft



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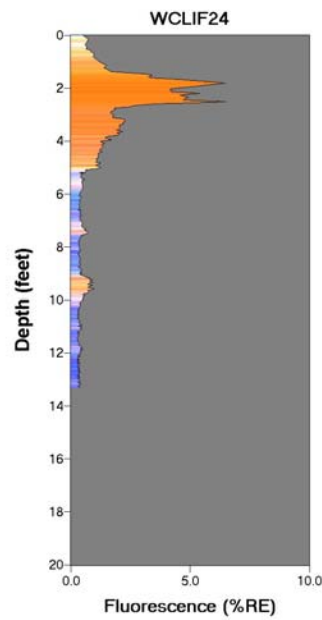


ROST Fluorescence Response Data	
Site: Minnesota Slip	Operator: Steve Adamek
Client: WCEC	Job #:
Date/Time: 3/4/2004 @ 1:48:02 PM	Max fluorescence: 8.57% @ 5.96 ft
ROST Unit: DTI-01	Final depth BGS: 16.00 ft



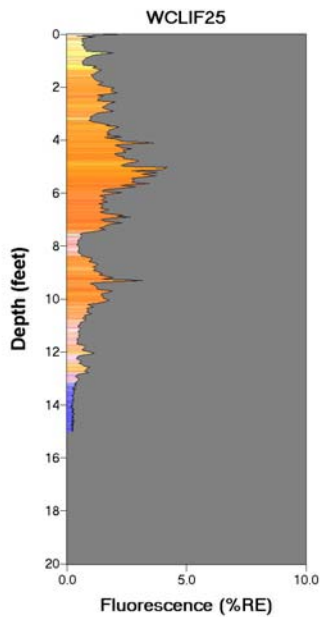
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ROST Fluorescence Response Data	
Site: Minnesota Slip	Operator: Steve Adamek
Client: WCEC	Job #:
Date/Time: 3/4/2004 @ 3:27:02 PM	Max fluorescence: 6.50% @ 2.50 ft
ROST Unit: DTI-01	Final depth BGS: 13.30 ft



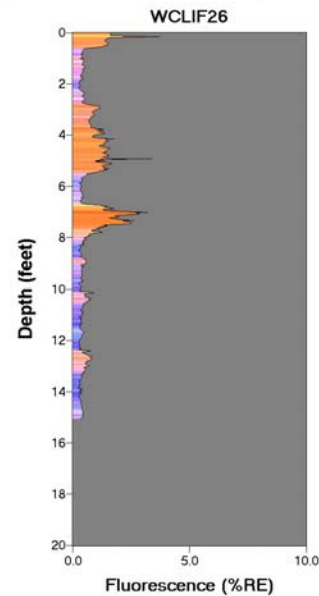
Dakota Technologies, Inc. 2201-A 12th St N, Fargo, ND 58102 (701) 237-4908 www.dakotatechnologies.com

ROST Fluorescence Response Data	
Site: Minnesota Slip	Operator: Steve Adamek
Client: WCEC	Job #:
Date/Time: 3/4/2004 @ 4:21:54 PM	Max fluorescence: 4.19% @ 5.04 ft
ROST Unit: DTI-01	Final depth BGS: 15.00 ft



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ROST Fluorescence Response Data	
Site: Minnesota Slip	Operator: Steve Adamek
Client: WCEC	Job #:
Date/Time: 3/4/2004 @ 5:05:46 PM	Max fluorescence: 3.68% @ 0.16 ft
ROST Unit: DTI-01	Final depth BGS: 15.04 ft

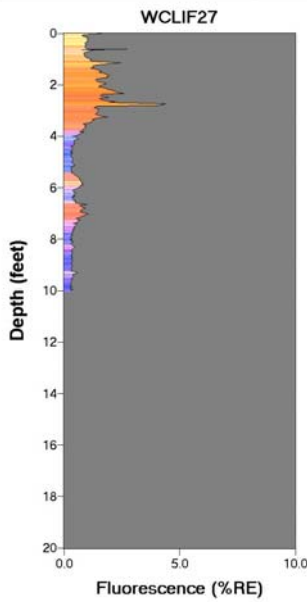


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ROST Fluorescence Response Data

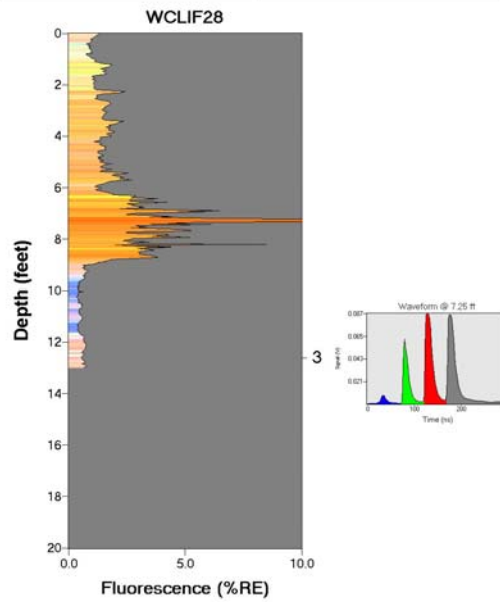
Site: Minnesota Slip	Operator: Steve Adamek
Client: WCEC	Job #:
Date/Time: 3/4/2004 @ 6:06:07 PM	Max fluorescence: 4.98% @ 2.74 ft
ROST Unit: DTI-01	Final depth BGS: 10.02 ft



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ROST Fluorescence Response Data

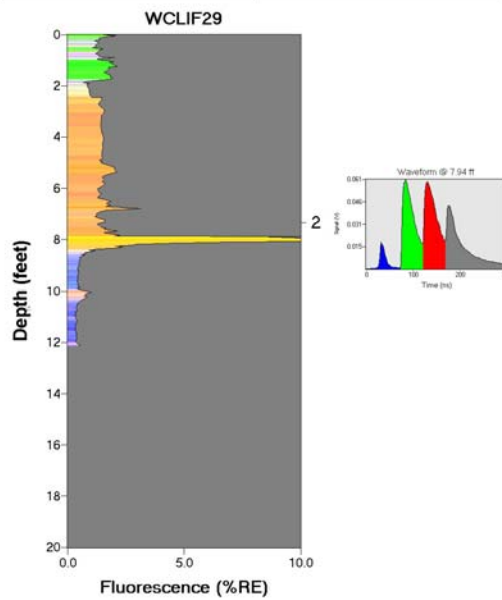
Site: Minnesota Slip	Operator: Steve Adamek
Client: WCEC	Job #:
Date/Time: 3/6/2004 @ 2:17:29 PM	Max fluorescence: 30.82% @ 7.30 ft
ROST Unit: DTI-01	Final depth BGS: 12.99 ft



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ROST Fluorescence Response Data

Site: Minnesota Slip	Operator: Steve Adamek
Client: WCEC	Job #:
Date/Time: 3/6/2004 @ 4:48:40 PM	Max fluorescence: 19.28% @ 8.02 ft
ROST Unit: DTI-01	Final depth BGS: 12.12 ft



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