

## Water Properties Group

## Rosette Log

|                                                                                                                                        |                |              |              |                                       |
|----------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------|--------------|---------------------------------------|
| Cruise ID: 2009-07                                                                                                                     | Station: BFL 1 | Event #: 001 | Ship: Laevis | UTC Date (dd mm yyyy): 01   09   2009 |
| <p><b>Water Properties Group</b></p> <p><b>Rosette Log</b></p> <p>Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC</p> |                |              |              |                                       |

[illegible]

|                     |     |   |
|---------------------|-----|---|
| Bottom Depth:       | 186 | m |
| Transmisso Cleaned: | Y   | N |

| Time   | UTC  | Local |
|--------|------|-------|
| Start  | 1854 |       |
| Bottom | 1854 |       |
| End    | 1901 |       |

|                        |                |
|------------------------|----------------|
| Positional Information |                |
| Lat:                   | 71° 56' 19.57" |
| Lon:                   | 95° 25' 21.11" |

|      |            |   |
|------|------------|---|
| Lat: | 71° 56.950 | N |
| Lon: | 95° 25.206 | W |

|      |              |
|------|--------------|
| Lat: | 21° 56' 25.2 |
| Lon: | 95° 25' 20.7 |

| Oxygen Info For This Cast               |  |
|-----------------------------------------|--|
| Blank Value: _____ mL • L <sup>-1</sup> |  |
| Std Value: _____ mL • L <sup>-1</sup>   |  |
| *Date Run: _____                        |  |
| Analyst: _____                          |  |

Version: 28 Feb 2008  
Transmissometer to be cleaned before each cast, do not use Ammonia products

[illegible]

## Water Properties Group

## Rosette Log

**Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC**

Cruise ID: 2009-07 Station: FRV-1 Event #: 002 Ship: SWL UTC Date (dd/mm/yyyy): 03/07/2009

Bottom Depth: 122 m

| Time   | UTC  | Local |
|--------|------|-------|
| Start  | 0413 |       |
| Bottom | 0410 |       |
| End    | 0409 |       |

### Positional Information

|        |                  |                    |
|--------|------------------|--------------------|
| Bottom | Lat: 71 ° 55.099 | Lon: 93 ° 35.132 W |
|--------|------------------|--------------------|

|     |                    |                    |
|-----|--------------------|--------------------|
| End | Lat: 71 ° 55.090 N | Lon: 93 ° 35.150 W |
|-----|--------------------|--------------------|

### Oxygen Info For This Cast

|              |                      |
|--------------|----------------------|
| Blank Value: | ML · L <sup>-1</sup> |
| Std Value:   | ML · L <sup>-1</sup> |

|            |       |       |       |
|------------|-------|-------|-------|
| *Date Run: | _____ | _____ | _____ |
|------------|-------|-------|-------|

**Analyst:** Oxygen blanks and standards should be run daily, if possible

<http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/waterproperties/>

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**Transmissometer to be cleaned before each cast, do not use Ammonia products**

| #  | Niskin | Sample # | Oxygen Titrations<br>Flask Value<br>Serial #<br>mL · L <sup>-1</sup> | Rosette Operation<br>Target Pressure<br>Confirmed Pressure<br>✓   Pressure | Samples Taken<br>Oxy Nut Sal Chl NH <sub>4</sub><br><br><br><br> | Comments |
|----|--------|----------|----------------------------------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------|----------|
| 1  |        | 2        |                                                                      | 1124                                                                       | ✓                                                                |          |
| 2  |        |          |                                                                      |                                                                            |                                                                  |          |
| 3  |        |          |                                                                      |                                                                            |                                                                  |          |
| 4  |        |          |                                                                      |                                                                            |                                                                  |          |
| 5  |        |          |                                                                      |                                                                            |                                                                  |          |
| 6  |        |          |                                                                      |                                                                            |                                                                  |          |
| 7  |        |          |                                                                      |                                                                            |                                                                  |          |
| 8  |        |          |                                                                      |                                                                            |                                                                  |          |
| 9  |        |          |                                                                      |                                                                            |                                                                  |          |
| 10 |        |          |                                                                      |                                                                            |                                                                  |          |
| 11 |        |          |                                                                      |                                                                            |                                                                  |          |
| 12 |        |          |                                                                      |                                                                            |                                                                  |          |
| 13 |        |          |                                                                      |                                                                            |                                                                  |          |
| 14 |        |          |                                                                      |                                                                            |                                                                  |          |
| 15 |        |          |                                                                      |                                                                            |                                                                  |          |
| 16 |        |          |                                                                      |                                                                            |                                                                  |          |
| 17 |        |          |                                                                      |                                                                            |                                                                  |          |
| 18 |        |          |                                                                      |                                                                            |                                                                  |          |
| 19 |        |          |                                                                      |                                                                            |                                                                  |          |
| 20 |        |          |                                                                      |                                                                            |                                                                  |          |
| 21 |        |          |                                                                      |                                                                            |                                                                  |          |
| 22 |        |          |                                                                      |                                                                            |                                                                  |          |
| 23 |        |          |                                                                      |                                                                            |                                                                  |          |
| 24 |        |          |                                                                      |                                                                            |                                                                  |          |



A  
 12.06  
 0.06  
 start  
 end  
 4100  
 start scan  
 4100

11-0 11-0  
 0-06 0-06 0-06 0-06

Event #: 003 Ship: 541

Station: 2007.07 Event #: 003 Ship: 516 UTC Date (dd/mm/yyyy): 04 09 2007

Watchkeeper(s):

|                     |       |
|---------------------|-------|
| Bottom Depth:       | m     |
| Transmisso Cleaned: | Y / N |

| Time   | UTC | Local |
|--------|-----|-------|
| Start  |     |       |
| Bottom |     |       |
| End    |     |       |

|                               |   |
|-------------------------------|---|
| <b>Positional Information</b> |   |
| Lat:                          | ° |
| Lon:                          | ° |

|      |   |
|------|---|
| Lon: | o |
| Lat: | o |

|      |   |
|------|---|
| Lat: | o |
| Lon: | o |

| Oxygen Info For This Cast               |                |
|-----------------------------------------|----------------|
| Blank Value: _____ mL • L <sup>-1</sup> |                |
| Std Value: _____ mL • L <sup>-1</sup>   |                |
| *Date Run: _____ / _____ / _____        | Analyst: _____ |

<http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/waterproperties/>

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Transmissometer to be cleaned before each cast, do not use Ammonia products

Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2009-07 Station: BFL-4 Event #: 009 Ship: SWL UTC Date (dd|mm|yyyy): 05 | 09 | 2009

| Niskin # | Sample # | Oxygen Titrations<br>Flask #<br>Serial # | Value<br>mL · L <sup>-1</sup> | Rosette Operation<br>Target Pressure<br>Confirmed Pressure | Oxy | Nut | Sal | chl | NH <sub>4</sub> | Comments |
|----------|----------|------------------------------------------|-------------------------------|------------------------------------------------------------|-----|-----|-----|-----|-----------------|----------|
|          | 1        |                                          |                               | ✓                                                          |     |     |     | ✓   |                 |          |
|          | 2        |                                          |                               |                                                            |     |     |     |     |                 |          |
|          | 3        |                                          |                               |                                                            |     |     |     |     |                 |          |
|          | 4        |                                          |                               |                                                            |     |     |     |     |                 |          |
|          | 5        |                                          |                               |                                                            |     |     |     |     |                 |          |
|          | 6        |                                          |                               |                                                            |     |     |     |     |                 |          |
|          | 7        |                                          |                               |                                                            |     |     |     |     |                 |          |
|          | 8        |                                          |                               |                                                            |     |     |     |     |                 |          |
|          | 9        |                                          |                               |                                                            |     |     |     |     |                 |          |
|          | 10       |                                          |                               |                                                            |     |     |     |     |                 |          |
|          | 11       |                                          |                               |                                                            |     |     |     |     |                 |          |
|          | 12       |                                          |                               |                                                            |     |     |     |     |                 |          |
|          | 13       |                                          |                               |                                                            |     |     |     |     |                 |          |
|          | 14       |                                          |                               |                                                            |     |     |     |     |                 |          |
|          | 15       |                                          |                               |                                                            |     |     |     |     |                 |          |
|          | 16       |                                          |                               |                                                            |     |     |     |     |                 |          |
|          | 17       |                                          |                               |                                                            |     |     |     |     |                 |          |
|          | 18       |                                          |                               |                                                            |     |     |     |     |                 |          |
|          | 19       |                                          |                               |                                                            |     |     |     |     |                 |          |
|          | 20       |                                          |                               |                                                            |     |     |     |     |                 |          |
|          | 21       |                                          |                               |                                                            |     |     |     |     |                 |          |
|          | 22       |                                          |                               |                                                            |     |     |     |     |                 |          |
|          | 23       |                                          |                               |                                                            |     |     |     |     |                 |          |
|          | 24       |                                          |                               |                                                            |     |     |     |     |                 |          |

Watchkeeper(s):  
SV/MB/AF

Bottom Depth: 286 m  
Transmisso Cleaned: Y / N

Time  
UTC Local  
Start 0511  
Bottom 0516  
End 0523

Positional Information  
Lat: 71° 57.234 N  
Lon: 94° 57.884 W

Bottom  
Lat: 71° 59.250 N  
Lon: 94° 50.659 W

End  
Lat: 71° 59.251 N  
Lon: 94° 50.678 W

Oxygen Info For This Cast  
Blank Value: mL · L<sup>-1</sup>  
Std Value: mL · L<sup>-1</sup>  
\* Date Run:   
Analyst:   
\* Oxygen blanks and standards should be run daily, if possible

Transmissometer to be cleaned before each cast, do not use Ammonia products

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http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/waterproperties/



## Water Properties Group

## Rosette Log

**Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC**

|                    |                |            |           |                                   |
|--------------------|----------------|------------|-----------|-----------------------------------|
| Cruise ID: 2008-07 | Station: 834-8 | Event #: 4 | Ship: SWL | UTC Date (dd/mm/yyyy): 04/09/2008 |
|--------------------|----------------|------------|-----------|-----------------------------------|

[illegible]

Watchkeeper(s): SV/MD/AF

|                      |       |
|----------------------|-------|
| Bottom Depth:        | 2.6 m |
| Transmissio Cleaned: | Y N   |

| Time   | UTC  | Local |
|--------|------|-------|
| Start  | 1943 |       |
| Bottom | 1945 |       |
| End    | 1948 |       |

| Positional Information |               |
|------------------------|---------------|
| Lat:                   | 21° 59.807' N |
| Lon:                   | 94° 25.040' W |

|      |               |
|------|---------------|
| Lat: | 31° 59' 38" N |
| Lon: | 94° 25' 09" W |

|       |               |
|-------|---------------|
| Lat:  | 71° 59' 31" N |
| Long: | 88° 13' 52" W |

| Oxygen Info For This Cast |                            |
|---------------------------|----------------------------|
| Blank Value:              | _____ mL · L <sup>-1</sup> |
| Std Value:                | _____ mL · L <sup>-1</sup> |
| *Date Run:                | ____/____/____             |
| Analyst:                  | _____                      |

<http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/waterproperties/>

Transmissometer to be cleaned before each cast, do not use Ammonia products

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## Water Properties Group

## Rosette Log

**Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC**

|                    |                |            |           |                                   |
|--------------------|----------------|------------|-----------|-----------------------------------|
| Cruise ID: 2007-04 | Station: BFL-6 | Event #: 7 | Ship: SCL | UTC Date (dd/mm/yyyy): 05/09/2008 |
|--------------------|----------------|------------|-----------|-----------------------------------|

[illegible]

|                      |     |     |
|----------------------|-----|-----|
| Bottom Depth:        | 143 | m   |
| Transmissio Cleaned: | Y   | / N |

| Time   | UTC  | Local |
|--------|------|-------|
| Start  | 0317 |       |
| Bottom | 0320 |       |
| End    | 0324 |       |

| Positional Information |           |
|------------------------|-----------|
| Lat:                   | 72.0504   |
| Lon:                   | 94.55.508 |

|      |     |   |         |   |
|------|-----|---|---------|---|
| Lat: | 32° | 0 | 0.440   | N |
| Lon: | 74° | 0 | 105.551 | M |

|      |    |   |        |   |
|------|----|---|--------|---|
| Lat: | 72 | ° | 0.380  | N |
| Lon: | 94 | ° | 35.372 | W |

| Oxygen Info For This Cast                                     |                            |
|---------------------------------------------------------------|----------------------------|
| Blank Value:                                                  | _____ mL · L <sup>-1</sup> |
| Std Value:                                                    | _____ mL · L <sup>-1</sup> |
| *Date Run:                                                    | ____/____/____             |
| Analyst:                                                      | _____                      |
| *Oxygen blanks and standards should be run daily, if possible |                            |

Transmissometer to be cleaned before each cast, do not use Ammonia products



## Water Properties Group

## Rosette Log

**Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC**

|                    |                |            |           |                                   |
|--------------------|----------------|------------|-----------|-----------------------------------|
| Cruise ID: 2007-07 | Station: 526-3 | Event #: 8 | Ship: SWL | UTC Date (dd/mm/yyyy): 05/09/2009 |
|--------------------|----------------|------------|-----------|-----------------------------------|

[illegible]

Bottom Depth: 18 m

Transmissio Cleaned: Y N

| Time   | UTC  | Local |
|--------|------|-------|
| Start  | 0943 |       |
| Bottom | 0946 |       |
| End    | 0949 |       |

| Positional Information |                      |
|------------------------|----------------------|
| Lat: 42° 0' 33.8" N    | Lon: 54° 41' 39.6" W |

|      |               |
|------|---------------|
| Lat: | 72° 0' 36" N  |
| Lon: | 94° 41' 03" W |

|      |     |    |    |
|------|-----|----|----|
| Lat: | 32° | 0' | 0" |
| Lon: | 94° | 0' | 0" |

|                                  |                            |
|----------------------------------|----------------------------|
| <b>Oxygen Info For This Cast</b> |                            |
| Blank Value:                     | _____ mL · L <sup>-1</sup> |
| Std Value:                       | _____ mL · L <sup>-1</sup> |
| *Date Run:                       | ____/____/____             |
| Analyst:                         | _____                      |

<http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/waterproperties/>

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**Transmissometer to be cleaned before each cast, do not use Ammonia products**

## Rosette Log

Part of 0.010 sec. at 7500

2007-07

2-738

01

775

6002 | 80

Watchkeeper(s): SV-MD/RF

|                            |     |   |
|----------------------------|-----|---|
| Bottom Depth:              | 125 | m |
| Transmissio Cleaned: Y / N |     |   |

| Time   | UTC | Local |
|--------|-----|-------|
| Start  |     |       |
| Bottom |     |       |
| End    |     |       |

| Positional Information |     |
|------------------------|-----|
| Lat:                   | 15° |
| Lon:                   | 96° |
| N                      |     |
| W                      |     |

|      |      |   |
|------|------|---|
| Lon: | o 15 | W |
| Lat: | o 11 | N |

|      |   |    |
|------|---|----|
| Lat: | ° | 12 |
| Lon: | ° | 56 |

| Oxygen Info For This Cast |                            |
|---------------------------|----------------------------|
| Blank Value:              | _____ mL • L <sup>-1</sup> |
| Std Value:                | _____ mL • L <sup>-1</sup> |
| *Date Run:                | _____ _____ _____          |
| Analyst:                  | _____                      |

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[illegible]



**Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC**

pent 0.02. start scan 7700

|                    |                |             |           |                                   |
|--------------------|----------------|-------------|-----------|-----------------------------------|
| Cruise ID: 2009-07 | Station: 356-3 | Event #: 11 | Ship: SWL | UTC Date (dd mm YYYY): 05 09 2009 |
|--------------------|----------------|-------------|-----------|-----------------------------------|

| # | Niskin Sample # | Oxygen Titrations<br>Flask Value<br>Serial # mL · L <sup>-1</sup> | Rosette Operation<br>Target Pressure<br>✓ Confirmed Pressure | Samples Taken<br>Oxy Nut Sal Chl NH <sub>4</sub><br><br><br><br> | Comments |
|---|-----------------|-------------------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------|----------|
|   |                 |                                                                   |                                                              |                                                                  |          |

Bottom Depth: 398 m

Transmission Cleared:  Y / N

| Time   | UTC  | Local |
|--------|------|-------|
| Start  | 1934 |       |
| Bottom | 1947 |       |
| End    |      |       |

|     |  |  |
|-----|--|--|
| End |  |  |
|-----|--|--|

| Positional Information |               |
|------------------------|---------------|
| Lat:                   | 41° 58.008' N |
| Lon:                   | 75° 2.094' W  |

M 1092 0 56 :u07

|   |        |   |    |      |
|---|--------|---|----|------|
| W | 842.7  | o | 55 | Lon: |
| N | 58.513 | o | 71 | Lat: |

M 527 0 55 :u07

|      |   |   |
|------|---|---|
| Lon: | o | W |
| Lat: | o | N |

Lon: 0 M

|              |                                 |
|--------------|---------------------------------|
| Blank Value: | $\text{mL} \cdot \text{L}^{-1}$ |
| Std Value:   | $\text{mL} \cdot \text{L}^{-1}$ |
| *Date Run:   |                                 |
| Analyst:     |                                 |

Analyst:Analyst:

**Transmissometer to be cleaned before each cast, do not use Ammonia products**

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