

# BRIDGE LOG

VESSEL: TOMMY MUNRO

CRUISE: 971

Pg 1 of 5

REMARKS: 6/6 - 6/8/97 6/16 - 6/17/97 7/7 - 7/12/97

| STATION NO.<br>PAS./SEAMAP | DATE<br>MMDDYY | TIME ON STATION |       | LATITUDE<br>START/END | LONGITUDE<br>START/END | DEPTH (FM)<br>START/END | PRIMARY GEAR |      | OTHER GEARS<br>USED | BONGO<br>IN/OUT | NEUSTON<br>IN/OUT | VESSEL<br>SPD/C.C. | OTHER DATA COLLECTED (✓) |             |      |     |    |    |      |       |
|----------------------------|----------------|-----------------|-------|-----------------------|------------------------|-------------------------|--------------|------|---------------------|-----------------|-------------------|--------------------|--------------------------|-------------|------|-----|----|----|------|-------|
|                            |                | PO/DO           | PU/OD |                       |                        |                         | SIZE         | TYPE |                     |                 |                   |                    | SHRIMP<br>L/F            | GEN.<br>L/F | ENV. | SAL | DO | CL | ICH. | OTHER |
| 17001                      | 6/6/97         |                 | 1016  | 2914.12               | 8842.72                | 35.0                    |              |      | ST BC OY            |                 |                   | 3.0                |                          |             |      |     |    |    |      |       |
| ED020                      |                | 0946            |       | 2912.82               | 8842.10                | 37.5                    | 40           | ST   | SA TF               |                 |                   |                    | ✓                        | ✓           | ✓    | ✓   | ✓  |    |      | TEMP  |
| 17002                      | 6/6/97         |                 | 1241  | 2922.35               | 8847.67                | 19                      |              |      | ST BC OY            |                 |                   | 3.0                |                          |             |      |     |    |    |      |       |
| ED016                      |                | 1231            |       | 2921.96               | 8847.34                | 21                      | 40           | ST   | SA TF               |                 |                   |                    | ✓                        | ✓           | ✓    | ✓   | ✓  |    |      | temp  |
| 17003                      | 6/6/97         |                 | 1531  | 2923.37               | 8847.16                | 16                      |              |      | ST BC OY            |                 |                   | 3.0                |                          |             |      |     |    |    |      |       |
| ED12                       |                | 1520            |       | 2922.95               | 8847.27                | 17                      | 40           | ST   | SA TF               |                 |                   |                    | ✓                        | ✓           | ✓    | ✓   | ✓  |    |      | temp  |
| 17004                      | 6/6/97         |                 | 1702  | 2924.16               | 8846.52                | 17                      |              |      | ST BC OY            |                 |                   | 3.0                |                          |             |      |     |    |    |      |       |
| ED13                       |                | 1652            |       | 2924.08               | 8845.90                | 18                      | 40           | ST   | SA TF               |                 |                   |                    | ✓                        | ✓           | ✓    | ✓   | ✓  |    |      | temp  |
| 17005                      | 6/6/97         |                 | 1844  | 2925.84               | 8844.88                | 15                      |              |      | ST BC OY            |                 |                   | 3.0                |                          |             |      |     |    |    |      |       |
| ED011                      |                | 1834            |       | 2925.47               | 8844.61                | 16                      | 40           | ST   | SA TF               |                 |                   |                    | ✓                        | ✓           | ✓    | ✓   | ✓  |    |      | temp  |
| 17006                      | 6/6/97         |                 | 1952  | 2927.84               | 8847.91                | 9                       |              |      | ST BC OY            |                 |                   | 3.0                |                          |             |      |     |    |    |      |       |
| ED005                      |                | 1941            |       | 2927.35               | 8847.52                | 10                      | 40           | ST   | SA TF               |                 |                   |                    |                          |             | ✓    | ✓   | ✓  |    |      | temp  |
| 17007                      | 6/6/97         |                 | 2056  | 2924.56               | 8845.94                | 16                      |              |      | ST BC OY            |                 |                   | 3.0                |                          |             |      |     |    |    |      |       |
| EN012                      |                | 2046            |       | 2924.07               | 8845.71                | 17                      | 40           | ST   | SA TF               |                 |                   |                    | ✓                        | ✓           | ✓    | ✓   | ✓  |    |      | temp  |
| 17008                      | 6/6/97         |                 | 2217  | 2922.68               | 8852.41                | 11                      |              |      | ST BC OY            |                 |                   | 3.0                |                          |             |      |     |    |    |      |       |
| EN007                      |                | 2206            |       | 2922.33               | 8852.33                | 12                      | 40           | ST   | SA TF               |                 |                   |                    | ✓                        | ✓           | ✓    | ✓   | ✓  |    |      | temp  |
| 17009                      | 6/6/97         |                 | 0008  | 2914.62               | 8853.65                | 25                      |              |      | ST BC OY            |                 |                   | 3.0                |                          |             |      |     |    |    |      |       |
| EN018                      |                | 2338            |       | 2913.11               | 8852.91                | 30                      | 40           | ST   | SA TF               |                 |                   |                    | ✓                        | ✓           | ✓    | ✓   | ✓  |    |      | temp  |
| 17010                      | 6/7/97         |                 | 0331  | 2911.35               | 8852.08                | 30                      |              |      | ST BC OY            |                 |                   | 3.0                |                          |             |      |     |    |    |      |       |
| EN019                      |                | 0315            |       | 2910.75               | 8851.59                | 35                      | 40           | ST   | SA TF               |                 |                   |                    | ✓                        | ✓           | ✓    | ✓   | ✓  |    |      | temp  |



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|----------------------------|----------------|-----------------|-------|-----------------------|------------------------|-------------------------|--------------|------|---------------------|-----------------|-------------------|--------------------|--------------------------|-------------|------|-----|----|----|------|-------|
|                            |                | PO/DO           | PU/OD |                       |                        |                         | SIZE         | TYPE |                     |                 |                   |                    | SHRIMP<br>L/F            | GEN.<br>L/F | ENV. | SAL | DO | CL | ICH. | OTHER |
| 17011                      | 6/7/97         |                 | 0550  | 2910.40               | 8843.99                | 40                      | 40           | ST   | ST BC OY            |                 |                   | 3.00               |                          |             |      |     |    |    |      |       |
| ENO21                      | 6/7/97         | 0520            |       | 2909.33               | 8842.92                | 45                      | 40           | ST   | SA TF               |                 |                   |                    | ✓                        | ✓           | ✓    | ✓   | ✓  | ✓  |      | temp  |
| 17012                      | 6/7/97         |                 | 0903  | 2927.56               | 8838.33                | 22                      | 40           | ST   | ST BC OY            |                 |                   | 3.0                |                          |             |      |     |    |    |      |       |
| ED017                      | 6/7/97         | 0846            |       | 2926.75               | 8837.86                | 25                      | 40           | ST   | SA TF               |                 |                   |                    | ✓                        | ✓           | ✓    | ✓   | ✓  |    |      | temp  |
| 17013                      | 6/7/97         |                 | 1056  | 2937.27               | 8835.66                | 11                      | 40           | ST   | ST BC OY            |                 |                   | 3.0                |                          |             |      |     |    |    |      |       |
| ED007                      | 6/7/97         | 1046            |       | 2937.15               | 8835.11                | 13                      | 40           | ST   | SA TF               |                 |                   |                    |                          | ✓           | ✓    | ✓   | ✓  |    |      | temp  |
| 17014                      | 6/7/97         |                 | 1435  | 3000.14               | 8830.23                | 14                      |              |      | OY TF SA            |                 |                   | 2.0                |                          |             |      | ✓   | ✓  | ✓  |      | temp  |
| 30178                      | 6/7/97         | 1407            |       | 3000.14               | 8830.23                | 14                      |              |      | BC PN NN            |                 |                   |                    |                          |             |      |     |    |    |      | temp  |
| 17015                      | 6/7/97         |                 | 1850  | 2930.00               | 8830.08                | 27                      |              |      | OY TF SA            |                 |                   | 2.0                |                          |             |      | ✓   | ✓  | ✓  |      | temp  |
| B 179                      | 6/7/97         | 1801            |       | 2930.00               | 8830.08                | 27                      |              |      | BC PN NN            |                 |                   |                    |                          |             |      |     |    |    |      | temp  |
| 17016                      | 6/7/97         |                 | 2014  | 2928.57               | 8839.76                | 19                      | 40           | ST   | BC ST OY            |                 |                   | 3.0                |                          |             |      |     |    |    |      |       |
| ENO15                      | 6/7/97         | 2004            |       | 2928.42               | 8839.30                | 20                      | 40           | ST   | SA TF               |                 |                   |                    | ✓                        | ✓           | ✓    | ✓   | ✓  |    |      | temp  |
| 17017                      | 6/7/97         |                 | 2325  | 2936.72               | 8826.50                | 22                      | 40           | ST   | ST BC OY            |                 |                   | 3.0                |                          |             |      |     |    |    |      |       |
| ENO17                      | 6/7/97         | 2255            |       | 2935.83               | 8826.10                | 23                      | 40           | ST   | SA TF               |                 |                   |                    | ✓                        | ✓           | ✓    | ✓   | ✓  |    |      | temp  |
| 17018                      | 6/8/97         |                 | 0206  | 2941.66               | 8826.92                | 20                      | 40           | ST   | ST BC OY            |                 |                   | 3.0                |                          |             |      |     |    |    |      |       |
| ENO16                      | 6/8/97         | 0154            |       | 2941.32               | 8825.24                | 22                      | 40           | ST   | SA TF               |                 |                   |                    | ✓                        | ✓           | ✓    | ✓   | ✓  |    |      | temp  |
| 17019                      | 6/8/97         |                 | 0524  | 2942.88               | 8845.17                | 8                       | 40           | ST   | ST BC OY            |                 |                   | 3.0                |                          |             |      |     |    |    |      |       |
| ENO04                      | 6/8/97         | 0459            |       | 2942.67               | 8843.84                | 9                       | 40           | ST   | SA TF               |                 |                   |                    | ✓                        | ✓           | ✓    | ✓   | ✓  |    |      | temp  |
| 17020                      | 6/8/97         |                 | 0836  | 2947.65               | 8835.58                | 13                      | 40           | ST   | ST BC OY            |                 |                   | 3.0                |                          |             |      |     |    |    |      |       |
| ED009                      | 6/8/97         | 0807            |       | 2946.51               | 8834.85                | 14                      | 40           | ST   | SA TF               |                 |                   |                    | ✓                        | ✓           | ✓    | ✓   | ✓  |    |      | temp  |



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|----------------------------|----------------|-----------------|-------|-----------------------|------------------------|-------------------------|--------------|------|---------------------|-----------------|-------------------|--------------------|--------------------------|-------------|------|-----|----|----|------|-------|
|                            |                | PO/DO           | PU/OD |                       |                        |                         | SIZE         | TYPE |                     |                 |                   |                    | SHRIMP<br>L/F            | GEN.<br>L/F | ENV. | SAL | DO | CL | ICH. | OTHER |
| 17021                      | 6/8/97         |                 | 1131  | 2958.12               | 8847.87                | 5                       | 40           | ST   | ST                  | BC              | OY                | 3.0                |                          |             |      |     |    |    |      | Temp  |
| ED001                      |                | 1121            |       | 2958.16               | 8847.30                | 6                       |              |      | SA                  | TF              |                   |                    |                          | ✓           | ✓    | ✓   | ✓  |    |      |       |
| 17022                      | 6/8/97         |                 | 1314  | 3003.31               | 8851.27                | 4                       | 40           | ST   | ST                  | BC              | OY                | 3.0                |                          |             |      |     |    |    |      | Temp  |
| ED027                      |                | 1304            |       | 3003.64               | 8850.88                | 5                       |              |      | SA                  | TF              |                   |                    |                          | ✓           | ✓    | ✓   | ✓  |    |      |       |
| 17023                      | 6/8/97         |                 | 1432  | 3004.64               | 8849.67                | 6                       | 40           | ST   | ST                  | BC              | OY                | 3.0                |                          |             |      |     |    |    |      | Temp  |
| ED002                      |                | 1400            |       | 3004.26               | 8848.07                | 7                       |              |      | SA                  | TF              |                   |                    | ✓                        | ✓           | ✓    | ✓   | ✓  |    |      |       |
| 17024                      | 6/16/97        |                 | 2035  | 2954.65               | 8847.03                | 5                       | 40           | ST   | ST                  | BC              | OY                | 3.0                |                          |             |      |     |    |    |      | Temp  |
| EN001                      |                | 2023            |       | 2954.55               | 8846.39                | 6                       |              |      | SA                  | TF              |                   |                    | ✓                        | ✓           | ✓    | ✓   | ✓  |    |      |       |
| 17025                      | 6/16/97        |                 | 2231  | 2954.82               | 8834.71                | 13                      | 40           | ST   | ST                  | BC              | OY                | 3.0                |                          |             |      |     |    |    |      | Temp  |
| EN009                      |                | 2203            |       | 2954.63               | 8831.12                | 14                      |              |      | SA                  | TF              |                   |                    | ✓                        | ✓           | ✓    | ✓   | ✓  |    |      |       |
| 17026                      | 6/17/97        |                 | 0051  | 2953.22               | 8826.42                | 17                      | 40           | ST   | ST                  | BC              | OY                | 3.0                |                          |             |      |     |    |    |      | Temp  |
| EN013                      |                | 0024            |       | 2952.09               | 8825.31                | 18                      |              |      | SA                  | TF              |                   |                    | ✓                        | ✓           | ✓    | ✓   | ✓  |    |      |       |
| 17027                      | 6/17/97        |                 | 0249  | 2957.98               | 8827.97                | 15                      | 40           | ST   | ST                  | BC              | OY                | 3.0                |                          |             |      |     |    |    |      | Temp  |
| EN011                      |                | 0221            |       | 2957.59               | 8826.53                | 16                      |              |      | SA                  | TF              |                   |                    | ✓                        | ✓           | ✓    | ✓   | ✓  |    |      |       |
| 17028                      | 6/17/97        |                 | 0435  | 3006.10               | 8828.58                | 9                       | 40           | ST   | ST                  | BC              | OY                | 3.0                |                          |             |      |     |    |    |      | Temp  |
| EN005                      |                | 0413            |       | 3005.47               | 8827.52                | 10                      |              |      | SA                  | TF              |                   |                    | ✓                        | ✓           | ✓    | ✓   | ✓  |    |      |       |
| 17029                      | 6/17/97        |                 | 0548  | 3011.22               | 8829.70                | 6                       | 40           | ST   | ST                  | BC              | OY                | 3.0                |                          |             |      |     |    |    |      | Temp  |
| EN002                      |                | 0536            |       | 3010.88               | 8824.01                | 7                       |              |      | SA                  | TF              |                   |                    | ✓                        | ✓           | ✓    | ✓   | ✓  |    |      |       |
| 17030                      | 7/8/97         |                 | 0518  | 2913.91               | 8938.39                | 4                       | 40           | ST   | ST                  | BC              | OY                | 3.0                |                          |             |      |     |    |    |      | Temp  |
| WN001                      |                | 0459            |       | 2912.99               | 8938.69                | 5                       |              |      | SA                  | TF              |                   |                    |                          | ✓           | ✓    | ✓   | ✓  |    |      |       |



# BRIDGE LOG

VESSEL: Tommy Munro

CRUISE: 971

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REMARKS: \_\_\_\_\_  
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| STATION NO.<br>PAS./SEAMAP | DATE<br>MMDDYY | TIME ON STATION |       | LATITUDE<br>START/END | LONGITUDE<br>START/END | DEPTH (FM)<br>START/END | PRIMARY GEAR |      | OTHER GEARS<br>USED |    | BONGO<br>IN/OUT | NEUSTON<br>IN/OUT | VESSEL<br>SPD/C.C. | OTHER DATA COLLECTED (✓) |             |      |     |    |    |      |       |  |      |
|----------------------------|----------------|-----------------|-------|-----------------------|------------------------|-------------------------|--------------|------|---------------------|----|-----------------|-------------------|--------------------|--------------------------|-------------|------|-----|----|----|------|-------|--|------|
|                            |                | PO/DO           | PU/OD |                       |                        |                         | SIZE         | TYPE |                     |    |                 |                   |                    | SHRIMP<br>L/F            | GEN.<br>L/F | ENV. | SAL | DO | CL | ICH. | OTHER |  |      |
| 17031<br>WDD01             | 7/8/97         |                 | 0717  | 2916.29               | 8951.72                | 3                       | 40           | ST   | ST                  | BL | OY              |                   |                    | 3.0                      | ✓           | ✓    | ✓   | ✓  | ✓  |      |       |  | Temp |
|                            |                | 0723            |       | 2915.69               | 8951.53                | 4                       |              |      | SA                  | TF |                 |                   |                    |                          |             |      |     |    |    |      |       |  |      |
| 17032<br>WDD02             | 7/8/97         |                 | 1515  | 2901.45               | 9055.53                | 2                       | 40           | ST   | ST                  | BL | OY              |                   |                    | 3.0                      | ✓           | ✓    | ✓   | ✓  | ✓  |      |       |  | Temp |
|                            |                | 1457            |       | 2900.50               | 9056.00                | 3                       |              |      | SA                  | TF |                 |                   |                    |                          |             |      |     |    |    |      |       |  |      |
| 17033<br>WN003             | 7/8/97         |                 | 2037  | 2911.05               | 9124.55                | 2                       | 40           | ST   | ST                  | BL | OY              |                   |                    | 3.0                      | ✓           | ✓    | ✓   | ✓  | ✓  |      |       |  | Temp |
|                            |                | 2007            |       | 2909.84               | 9125.77                | 3                       |              |      | SA                  | TF |                 |                   |                    |                          |             |      |     |    |    |      |       |  |      |
| 17034<br>WDD03             | 7/9/97         |                 | 0653  | 2908.15               | 9151.47                | 4                       | 40           | ST   | ST                  | BL | OY              |                   |                    | 3.0                      |             | ✓    | ✓   | ✓  | ✓  |      |       |  | Temp |
|                            |                | 0630            |       | 2907.06               | 9151.23                | 5                       |              |      | SA                  | TF |                 |                   |                    |                          |             |      |     |    |    |      |       |  |      |
| 17035<br>WDD04             | 7/9/97         |                 | 1311  | 2930.77               | 9227.21                | 3                       | 40           | ST   | ST                  | BL | OY              |                   |                    | 3.0                      | ✓           | ✓    | ✓   | ✓  | ✓  |      |       |  | Temp |
|                            |                | 1250            |       | 2929.64               | 9227.21                | 4                       |              |      | SA                  | TF |                 |                   |                    |                          |             |      |     |    |    |      |       |  |      |
| 17036<br>WDD05             | 7/9/97         |                 | 1447  | 2931.74               | 9234.61                | 4                       | 40           | ST   | ST                  | BL | OY              |                   |                    | 3.0                      | ✓           | ✓    | ✓   | ✓  | ✓  |      |       |  | Temp |
|                            |                | 1453            |       | 2931.07               | 9235.07                | 5                       |              |      | SA                  | TF |                 |                   |                    |                          |             |      |     |    |    |      |       |  |      |
| 17037<br>WN004             | 7/9/97         |                 | 2053  | 2937.96               | 9248.95                | 2                       | 40           | ST   | ST                  | BL | OY              |                   |                    | 3.0                      | ✓           | ✓    | ✓   | ✓  | ✓  |      |       |  | Temp |
|                            |                | 2035            |       | 2937.48               | 9249.85                | 3                       |              |      | SA                  | TF |                 |                   |                    |                          |             |      |     |    |    |      |       |  |      |
| 17038<br>WN005             | 7/9/97         |                 | 2327  | 2937.49               | 9251.84                | 4                       | 40           | ST   | ST                  | BL | OY              |                   |                    | 3.0                      | ✓           | ✓    | ✓   | ✓  | ✓  |      |       |  | Temp |
|                            |                | 2257            |       | 2936.36               | 9252.92                | 5                       |              |      | SA                  | TF |                 |                   |                    |                          |             |      |     |    |    |      |       |  |      |
| 17039<br>WN006             | 7/10/97        |                 | 0149  | 2942.42               | 9304.39                | 3                       | 40           | ST   | ST                  | BL | OY              |                   |                    | 3.0                      | ✓           | ✓    | ✓   | ✓  | ✓  |      |       |  | Temp |
|                            |                | 0131            |       | 2941.48               | 9304.60                | 4                       |              |      | SA                  | TF |                 |                   |                    |                          |             |      |     |    |    |      |       |  |      |
| 17040<br>WDD06             | 7/10/97        |                 | 0646  | 2945.26               | 9333.38                | 2                       | 40           | ST   | ST                  | BL | OY              |                   |                    | 3.0                      | ✓           | ✓    | ✓   | ✓  | ✓  |      |       |  | Temp |
|                            |                | 0633            |       | 2944.60               | 9333.28                | 3                       |              |      | SA                  | TF |                 |                   |                    |                          |             |      |     |    |    |      |       |  |      |



## BRIDGE LOG

VESSEL: Tommy MONTE

CRUISE: 97

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REMARKS: \_\_\_\_\_

|                            |                |                 |       |                       |                        |                         |              |      |                     |    |    |                 |                   | OTHER DATA COLLECTED (✓) |               |             |      |     |    |    |      |       |
|----------------------------|----------------|-----------------|-------|-----------------------|------------------------|-------------------------|--------------|------|---------------------|----|----|-----------------|-------------------|--------------------------|---------------|-------------|------|-----|----|----|------|-------|
| STATION NO.<br>PAS./SEAMAP | DATE<br>MMDDYY | TIME ON STATION |       | LATITUDE<br>START/END | LONGITUDE<br>START/END | DEPTH (FM)<br>START/END | PRIMARY GEAR |      | OTHER GEARS<br>USED |    |    | BONGO<br>IN/OUT | NEUSTON<br>IN/OUT | VESSEL<br>SPD/C.G.       | SHRIMP<br>L/F | GEN.<br>L/F | ENV. | SAL | DO | CL | ICH. | OTHER |
|                            |                | PO/DO           | PU/OD |                       |                        |                         | SIZE         | TYPE |                     |    |    |                 |                   |                          |               |             |      |     |    |    |      |       |
| 17041                      | 7/11/97        |                 | 0208  | 29 04.01              | 90 15.91               | 3                       | 40           | ST   | ST                  | BC | OY |                 |                   | 3.0                      |               | ✓           | ✓    | ✓   | ✓  |    |      | Temp  |
| WN002                      |                | 0158            |       | 29 03.56              | 90 16.13               | 4                       |              |      | SA                  | TF |    |                 |                   |                          |               |             |      |     |    |    |      |       |
|                            |                |                 |       |                       |                        |                         |              |      |                     |    |    |                 |                   |                          |               |             |      |     |    |    |      |       |
|                            |                |                 |       |                       |                        |                         |              |      |                     |    |    |                 |                   |                          |               |             |      |     |    |    |      |       |
|                            |                |                 |       |                       |                        |                         |              |      |                     |    |    |                 |                   |                          |               |             |      |     |    |    |      |       |
|                            |                |                 |       |                       |                        |                         |              |      |                     |    |    |                 |                   |                          |               |             |      |     |    |    |      |       |
|                            |                |                 |       |                       |                        |                         |              |      |                     |    |    |                 |                   |                          |               |             |      |     |    |    |      |       |
|                            |                |                 |       |                       |                        |                         |              |      |                     |    |    |                 |                   |                          |               |             |      |     |    |    |      |       |
|                            |                |                 |       |                       |                        |                         |              |      |                     |    |    |                 |                   |                          |               |             |      |     |    |    |      |       |
|                            |                |                 |       |                       |                        |                         |              |      |                     |    |    |                 |                   |                          |               |             |      |     |    |    |      |       |
|                            |                |                 |       |                       |                        |                         |              |      |                     |    |    |                 |                   |                          |               |             |      |     |    |    |      |       |
|                            |                |                 |       |                       |                        |                         |              |      |                     |    |    |                 |                   |                          |               |             |      |     |    |    |      |       |
|                            |                |                 |       |                       |                        |                         |              |      |                     |    |    |                 |                   |                          |               |             |      |     |    |    |      |       |
|                            |                |                 |       |                       |                        |                         |              |      |                     |    |    |                 |                   |                          |               |             |      |     |    |    |      |       |
|                            |                |                 |       |                       |                        |                         |              |      |                     |    |    |                 |                   |                          |               |             |      |     |    |    |      |       |
|                            |                |                 |       |                       |                        |                         |              |      |                     |    |    |                 |                   |                          |               |             |      |     |    |    |      |       |
|                            |                |                 |       |                       |                        |                         |              |      |                     |    |    |                 |                   |                          |               |             |      |     |    |    |      |       |
|                            |                |                 |       |                       |                        |                         |              |      |                     |    |    |                 |                   |                          |               |             |      |     |    |    |      |       |
|                            |                |                 |       |                       |                        |                         |              |      |                     |    |    |                 |                   |                          |               |             |      |     |    |    |      |       |
|                            |                |                 |       |                       |                        |                         |              |      |                     |    |    |                 |                   |                          |               |             |      |     |    |    |      |       |
|                            |                |                 |       |                       |                        |                         |              |      |                     |    |    |                 |                   |                          |               |             |      |     |    |    |      |       |
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|                            |                |                 |       |                       |                        |                         |              |      |                     |    |    |                 |                   |                          |               |             |      |     |    |    |      |       |
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