

*Chapter 5 – Appendix M*

*Book 3: Mitigation Effectiveness*

Team Number: \_\_\_\_\_

**Book 3: Mitigation Effectiveness**

Referring to the results from Book 1 (orange marks which denote the baseline levels of risk in this waterway), circle the number on each risk factor scale which best describes the present level of risk for that factor, taking into consideration existing risk mitigation strategies.

For each risk factor, if you think the risk mitigation strategies already in place adequately balance the present level of risk, circle Yes. If you are NOT comfortable with the present level of risk and think something significant needs to be done to further reduce that risk, circle No.

**VESSEL CONDITIONS**

Deep Draft Vessel Quality	1	2	3	4	5	6	7	8	9	Yes	No
Shallow Draft Vessel Quality	1	2	3	4	5	6	7	8	9	Yes	No
Commercial Fishing Vessel Quality	1	2	3	4	5	6	7	8	9	Yes	No
Small Craft Quality	1	2	3	4	5	6	7	8	9	Yes	No

**TRAFFIC CONDITIONS**

Volume of Commercial Traffic	1	2	3	4	5	6	7	8	9	Yes	No
Volume of Small Craft Traffic	1	2	3	4	5	6	7	8	9	Yes	No
Traffic Mix	1	2	3	4	5	6	7	8	9	Yes	No
Congestion	1	2	3	4	5	6	7	8	9	Yes	No

**NAVIGATIONAL CONDITIONS**

Winds	1	2	3	4	5	6	7	8	9	Yes	No
Water Movement	1	2	3	4	5	6	7	8	9	Yes	No
Visibility Restrictions	1	2	3	4	5	6	7	8	9	Yes	No
Obstructions	1	2	3	4	5	6	7	8	9	Yes	No

**WATERWAY CONDITIONS**

Visibility Impediments	1	2	3	4	5	6	7	8	9	Yes	No
Dimensions	1	2	3	4	5	6	7	8	9	Yes	No
Bottom Type	1	2	3	4	5	6	7	8	9	Yes	No
Configuration	1	2	3	4	5	6	7	8	9	Yes	No

**IMMEDIATE CONSEQUENCES**

Personnel Injuries	1	2	3	4	5	6	7	8	9	Yes	No
Petroleum Discharge	1	2	3	4	5	6	7	8	9	Yes	No
Hazardous Materials Release	1	2	3	4	5	6	7	8	9	Yes	No
Mobility	1	2	3	4	5	6	7	8	9	Yes	No

**SUBSEQUENT CONSEQUENCES**

Health and Safety	1	2	3	4	5	6	7	8	9	Yes	No
Environmental	1	2	3	4	5	6	7	8	9	Yes	No
Aquatic Resources	1	2	3	4	5	6	7	8	9	Yes	No
Economic	1	2	3	4	5	6	7	8	9	Yes	No