

SCOUT CLASS SCORE SHEET

Exploring the Great Lakes

SCHOOL NAME and # AS IT APPEARS ON THE OFFICIAL LIST: _____

Company CEO: _____ **Mission attempt #:** _____

Mission station officials: _____

Safety Check and Set-Up (up to 10 points total)

- ☐ 5 points – Company presents signed safety inspection sheet.
- ☐ 5 points – Vehicle and control system present no safety hazards.
Examples:
 - All power cords are secured. Fuse and banana plugs are not in puddle of water.
 - Control box is closed and secured.
 - Motors are waterproofed and are protected inside the ROV.
 - No sharp objects that could injure a diver.
 - All pneumatics and hydraulics are hand powered.
 - Vehicle is hand-launched by team members in a safe manner.

Mission official's notes: _____

Company is cleared for the mission: _____ (official's initials) _____ **total points (out of 10)**

Note: An official's decision to disqualify a company due to safety concerns is final. If there is a safety concern, please contact the lead safety inspector or competition coordinator.

Judges' Notes:

Penalty Points

Tether pulling: Issue a warning for the first infraction. Begin deducting points AFTER the first infraction. Companies may pull on the conductivity sensor wire to manipulate, move, or control the sensor. However, companies may not pull on their sensor wire to move, manipulate, turn, or retrieve their ROV.

Diver assistance: Companies will be penalized for diver assistance during a mission run. Diver assistance will be provided ONLY AFTER a company requests it. During a mission run, the clock will not stop for diver assistance. Companies WILL NOT be penalized for diver assistance once the mission time has ended. At this time the divers will assist the ROV to the surface as part of the company's 5-minute demobilization period.

Fuses

If a vehicle blows the MATE power supply in-line fuse, the company is allowed two spares. If the vehicle blows the third MATE fuse, the mission performance period is over. The company will receive points for the mission tasks that they have completed up to that point but will not receive a time bonus score.

SCOUT Mission Task Scoring Breakdown:

Task #1: Shipwrecks (up to 60 points)

Task #2: Science (up to 30 points)

Task #3: Conservation (up to 30 points)

Task #1: Shipwrecks**Scoring – up to 60 points**

Judges' Notes: Companies may complete the steps of Task #1 in any order and may alternate between this and the other tasks.

1.1 up to 20 points – opening a cargo container and retrieving a cargo sample

- **10 points** – removing the lid from the cargo container _____
- **10 points** – returning the cargo sample to the surface* _____

*SCOUT class companies only need to return one (1) colored tee cargo sample to the surface

1.2 up to 20 points – recovering a ceramic platter

- **10 points** – removing the platter from the mission area _____
- **10 points** – returning the platter to the surface _____

1.3 20 points – identifying the shipwreck _____

TOTAL POINTS FOR TASK #1 _____

Task #2: Science**Scoring – up to 30 points**

Judges' Notes: Companies may complete the steps of Task #2 in any order and may alternate between this and the other tasks.

2.1 up to 30 points – recovering the old conductivity sensor and replacing it with a new one

- **10 points** – returning the old conductivity sensor to the surface _____
- **20 points** – deploying the new conductivity sensor _____

TOTAL POINTS FOR TASK #2 _____

Task #3: Conservation**Scoring – 30 points**

Judges' Notes: Companies may complete the steps of Task #3 in any order and may alternate between this and the other tasks.

3.1 5 points each (30 points total) – returning 6 cans and bottles to the surface _____

TOTAL POINTS FOR TASK #3 _____

SAFETY SCORE (from page 1)

0 5 10

PENALTY POINT DEDUCTIONS

*Illegally pulling tether _____ infractions X - 5

**Diver assistance _____ infractions X - 5

TIME BONUS

1 point for every minute and 0.01 point for every second under 15 minutes

Duration of Mission: _____

Minutes under 15 remaining: _____ X 1 point = _____

Seconds remaining: _____ X 0.01 point = _____

Time bonus

TOTAL MISSION SCORE

Mission official's initials: _____

Company CEO's initials: _____