

Dive Planner & Navigational Aid



The underwater writing and drawing system
www.aquasketch.com 1-800-282-1608

aquaSketch Vellum Care and Maintenance

After diving, always remove the vellum from the Minno and rinse in fresh water. Avoid prolonged exposure to direct sunlight.

DISCLAIMER - THIS DIVE PLANNER & NAVIGATIONAL AID IS INTENDED FOR USE BY CERTIFIED DIVERS FOR REFERENCE ONLY. AQUASKETCH INC. SHALL NOT BE LIABLE FOR ANY INJURY SUFFERED OR DAMAGES INCURRED BY ITS USE OR IN RELIANCE UPON THIS PRODUCT OR THE INFORMATION CONTAINED ON IT.

End of Sheet

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Note: Fill in contact info BEFORE dive

1. Emergency Contact Information

Name _____
 In case of emergency contact _____
 Address _____
 e-mail _____
 Phone _____ Dive Insurance # _____

DAN Emergency Phone Number: 1-919-684-9111

2. DIVE LOG

Dive# _____ Date _____ Location _____

Time in: _____ Time out: _____ Max. Depth: _____

Bottom Time: _____

Fresh / Salt Visibility: _____

Total hrs. to date _____ Total hrs. this dive _____

Weight _____ Gear _____

Tank Pressure Start: _____ Finish: _____

EANx Type: _____

Temperature: _____ Conditions: _____

Air: _____ Surf: _____ m/ft

Surface: _____ Surge: _____ m/ft

Dive Companion(s): _____

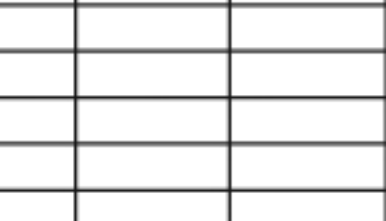
3. Pre-Dive Prep

- A) Review communications and separation plan with dive buddy
- B) Fill in pre-dive reference notes (#2)
- C) Fill in dive profile graph
- D) Fill in map grid (#1) with: 1. reference points, offshore landmarks, reefs, buoys, piers, etc. 2. approximate depths 3. proposed dive route.

Additions: _____

4. Pre-Dive Reference Notes:

Current Direction Sun Direction



Kick cycles per 100 ft. : _____

Reference Points: _____

High Tide: _____ Low Tide: _____

5. Dive Profile Graph

Elapsed Time →

10 Min. 20 30 40 50 60

Depth 10' 20' 30' 40' 50' 60' 70' 80' 90' 100' 110' 120'

10 Min. 20 30 40 50 60

6. Compass Heading Log #1

Heading(°)	Start/End Time	Distance ft/KC	Notes
(A)			
(B)			
(C)			
(D)			
(E)			
(F)			
(G)			
(H)			
(I)			
(J)			

7. Map Grid Instructions

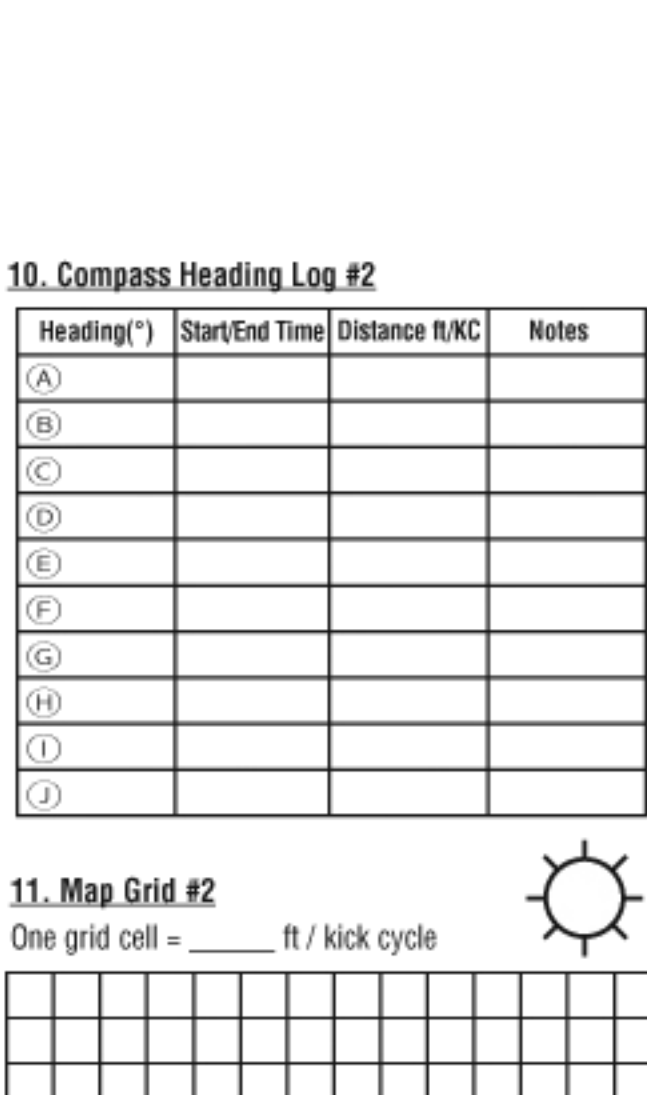
- fill in landmarks and reference points
- Add reference points (N.S.E.W.) to compass icon
- draw arrows between destination points pointing in direction of travel
- write circled reference letter from compass headings log beside arrowheads

8. Map Grid #1

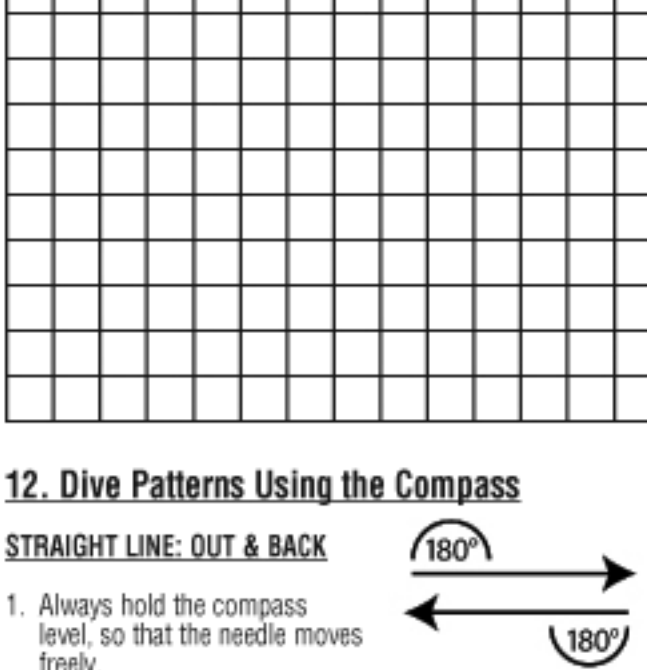
Compass Icon



One grid cell = _____ ft / kick cycle



9. Slate Area:

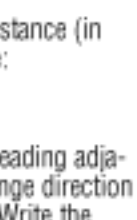


10. Compass Heading Log #2

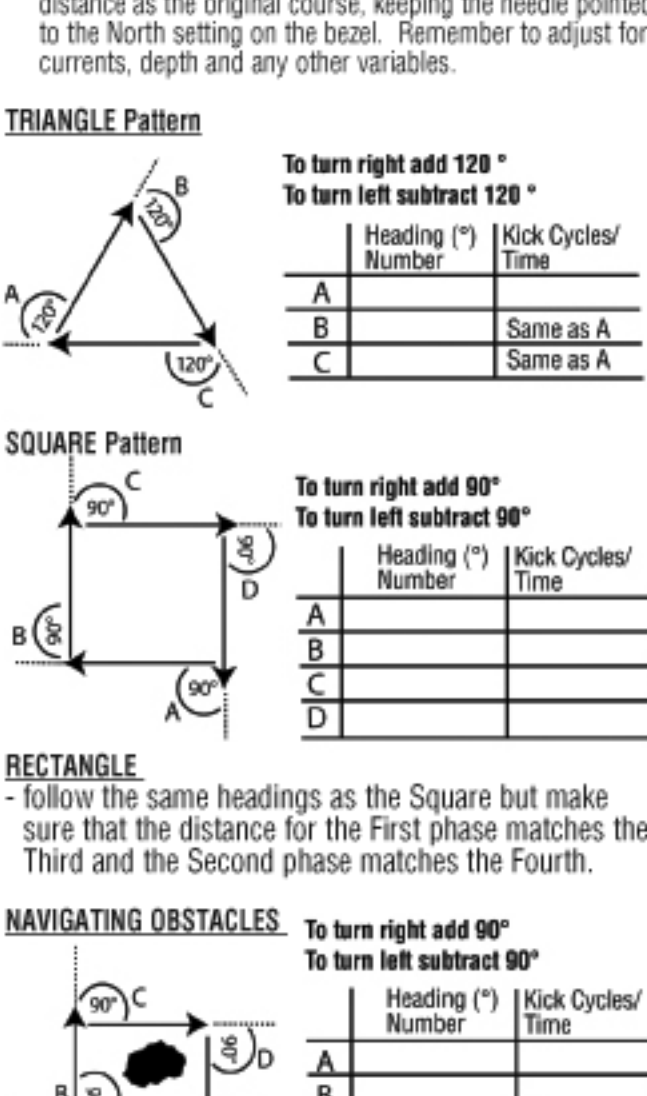
Heading(°)	Start/End Time	Distance ft/KC	Notes
(A)			
(B)			
(C)			
(D)			
(E)			
(F)			
(G)			
(H)			
(I)			
(J)			

11. Map Grid #2

Compass Icon

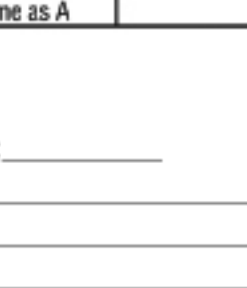


One grid cell = _____ ft / kick cycle



12. Dive Patterns Using the Compass

STRAIGHT LINE: OUT & BACK



- Always hold the compass level, so that the needle moves freely.
- Point the DOT Line in the direction to be traveled while adjusting the bezel so that the N or 0°/360° degree setting lines up with the North end of the compass needle. The compass Heading Degree (number) on the bezel will now be lined up to the DOT line which is pointing in the direction you will be traveling. Write your Heading Degree Number here: _____°
- Swim in the direction of the DOT line making sure that the needle is always positioned pointing to the North, or the 0°/360° setting on the bezel, at all times.
- If the needle strays from the NORTH position on the bezel, adjust your SWIMMING DIRECTION until the needle points again to the NORTH position on the bezel. NEVER ADJUST THE BEZEL.
- Continue swimming in the direction of the DOT Line keeping track of the distance traveled by counting your kick cycles or elapsed time.
- Once the destination is reached record the distance (in kick cycles or the time elapsed) traveled here:
KCs/Time _____

TO RETURN IN THE OPPOSITE DIRECTION:

- Reposition the bezel 180° from the current heading adjacent to the DOT line (ex. 220-180 = 40). Change direction so that needle points to North on the bezel. Write the return compass heading here: _____°
- Swim in the direction of the new DOT Heading the same distance as the original course, keeping the needle pointed to the North setting on the bezel. Remember to adjust for currents, depth and any other variables.

TRIANGLE Pattern



To turn right add 120°
To turn left subtract 120°

	Heading (°) Number	Kick Cycles/ Time
A		
B		Same as A
C		Same as A

SQUARE Pattern

To turn right add 90°
To turn left subtract 90°

	Heading (°) Number	Kick Cycles/ Time
A		
B		
C		
D		

RECTANGLE

- follow the same headings as the Square but make sure that the distance for the First phase matches the Third and the Second phase matches the Fourth.

NAVIGATING OBSTACLES

To turn right add 90°
To turn left subtract 90°

	Heading (°) Number	Kick Cycles/ Time
A		
B		
C	Same as A	
D		Same as B
E	Same as A	

13. End of Dive Note area:

Time out: _____ Remaining PSA: _____

Notes: _____

End of Sheet

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AquaSketch welcomes any suggestions that can help us to improve our product and enhance your diving experience.

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