Moving Beyond "Heuristic Traps"

Presented by Nik White

Nik White



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- ACA Whitewater Kayak Instructor L5
- ACA Packraft Instructor L3

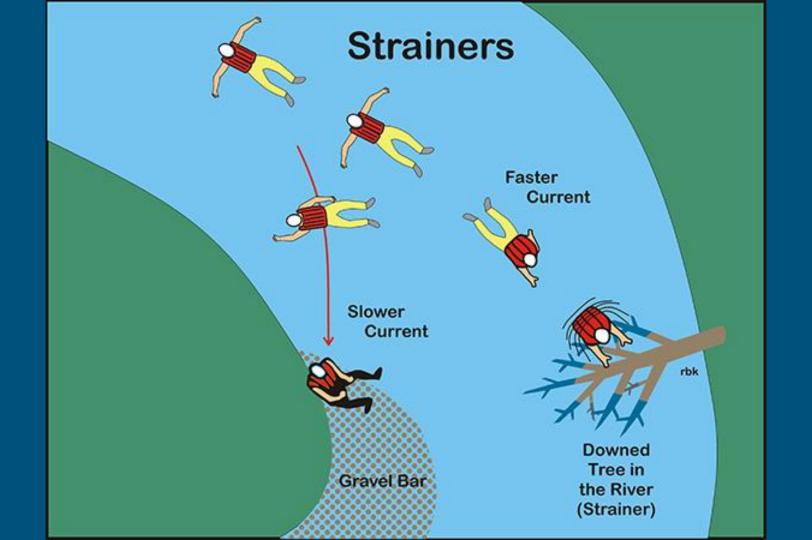


Moving Beyond Heuristic Traps

- 1. Heuristic Traps Case Study
- 2. The Hazard Failure Chain
- 3. Tools to Avoid Traps









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Familiarity Acceptance Consistency Expert Halo Tracks Scarcity



Just knowing about Heuristic Traps is not enough!

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The Hazard Failure Chain



The Hazard Failure Chain



The Hazard Failure Chain



Moving Beyond Heuristic Traps

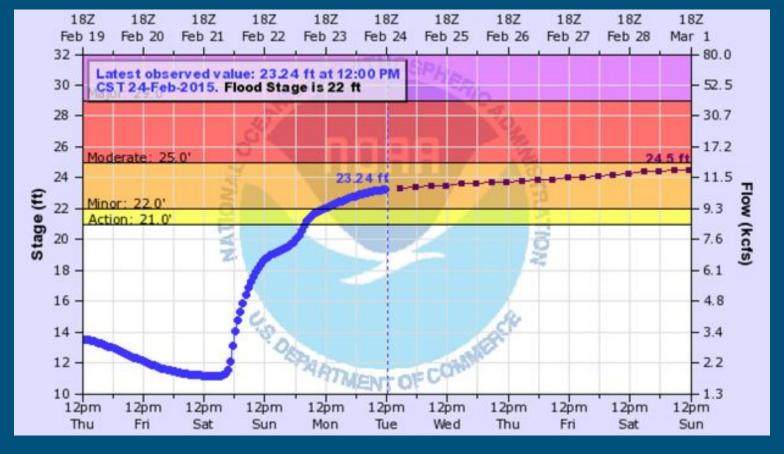
- 1. Heuristic Traps Case Study
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Tools to Avoid Traps

- 1. Before the trip
- 2. At the start of the trip
- 3. During the trip



Do the work before you launch



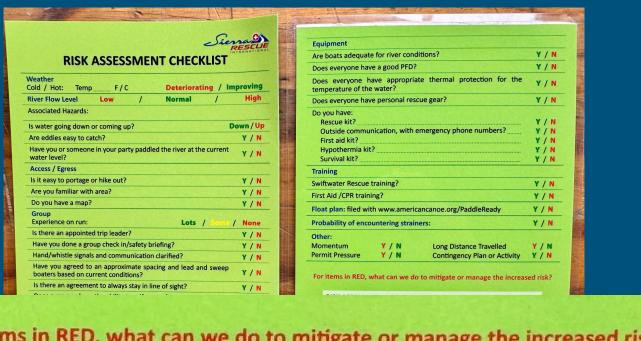
"Go / No Go" Rules

ALPTRUTh Situational Awareness		
Clue	Description	Rating
A valanches	Avalanches in last 48 hours	
Loading	Loading from snow, wind, etc. in 48 hours	
P ath	Known avalanche path by novice	
T errain	Terrain Traps that increase consequences	
R ating	Avalanche rating >= Considerable	
U nstable	Unstable snow (cracking, whumpfing)	
Th awing	Increase (of 10-15° F in 24 hours)	
Give one point for each condition that exists.		
1-2 points: normal caution (2% of accidents)		
3-4 points: extra caution (21% of accidents)		
5-7 points: travel not recommended (77% of accidents)		
Developed by Ian McCammon, SnowPit Technologies. Table by BeaconReviews.com.		

Checklists can create rules



Set Alarm Bells



For items in RED, what can we do to mitigate or manage the increased risk?



Checklists can also set Alarm Bells

Tools to Avoid Traps

- 1. Before or at the start of the trip
 - a. Checklists
 - b. Go / No Go Rules
- 2. During the trip
 - a. Checklists
 - b. Alarm Bells

Moving Beyond Heuristic Traps

- 1. Heuristic Traps Case Study
- 2. The Hazard Failure Chain
- 3. Tools to Avoid Traps
- 4. Action Items

Action Items

- 1. What Go / No Go rules apply to you?
- 2. What Alarm Bells do you use or could you train your people about?
- 3. Do you use checklists? Should anything be added to your checklists to identify heuristic traps?

Thanks for having me!

Questions? Comments?

Future ideas?

Please reach out to Nik White:

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WHITEWATER

— WORKSHOP —

Action Items

- 1. What Go / No Go rules apply to you?
- 2. What Alarm Bells do you use or could you train your people about?
- 3. Do you use checklists? Should anything be added to your checklists to identify heuristic traps?