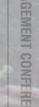
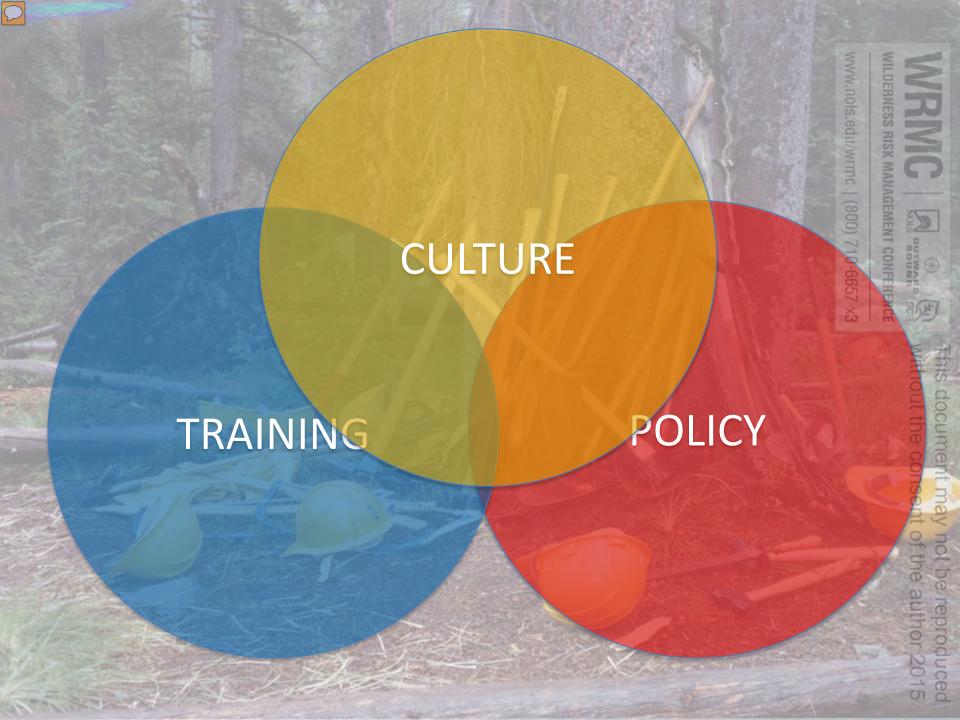
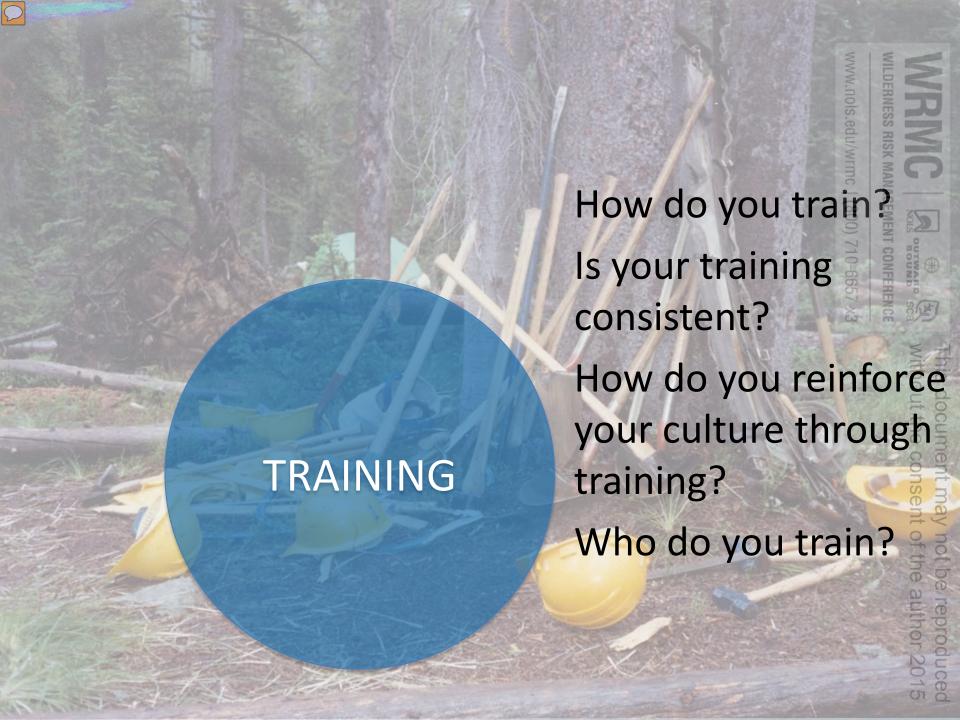


- What is in your toolbox?
 - Organizational values
 - Individual and group behaviors
 - Organizational "story"
 - Recruiting and hiring
 - Handbooks
 - Education and training
 - Professional development

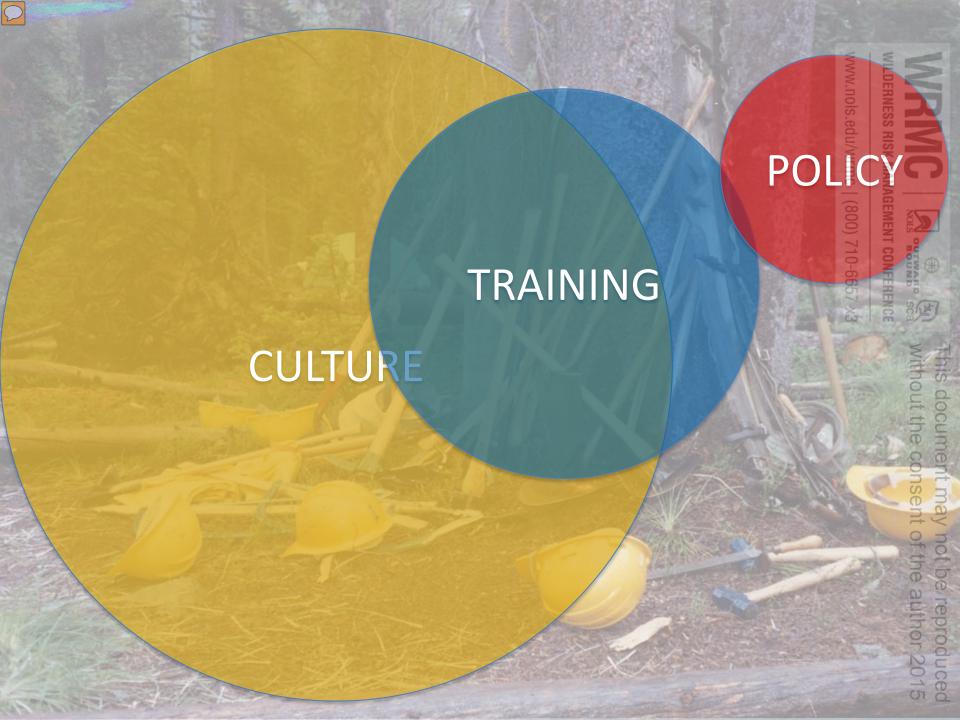


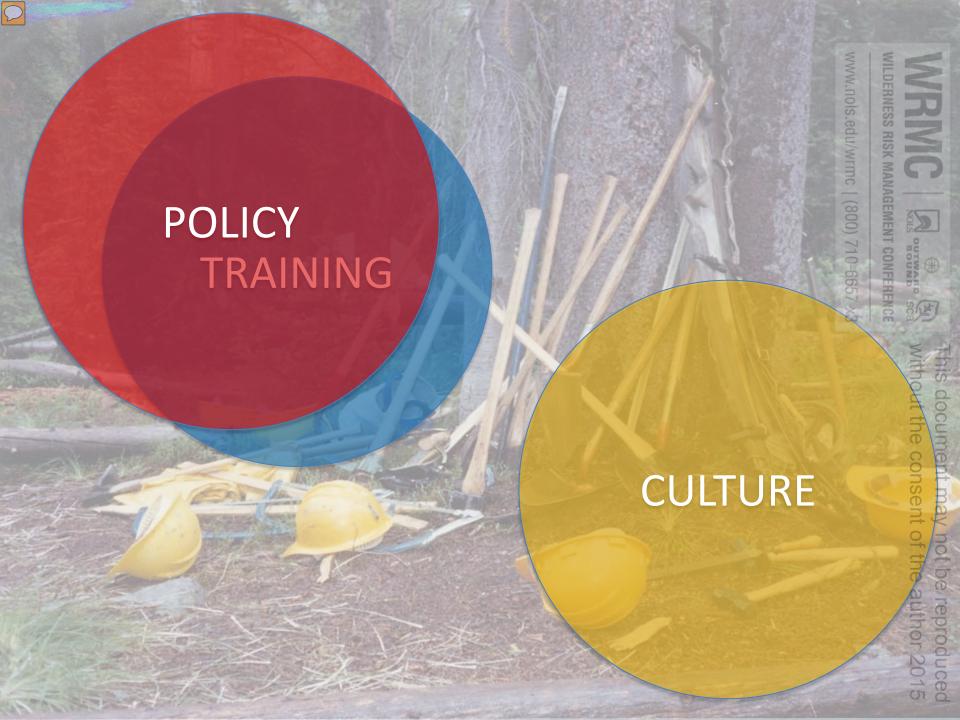






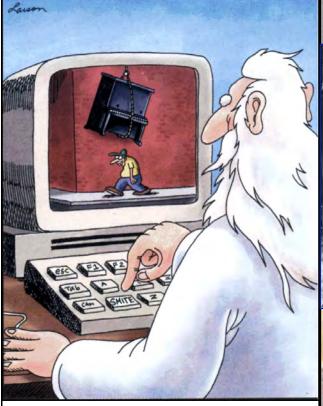








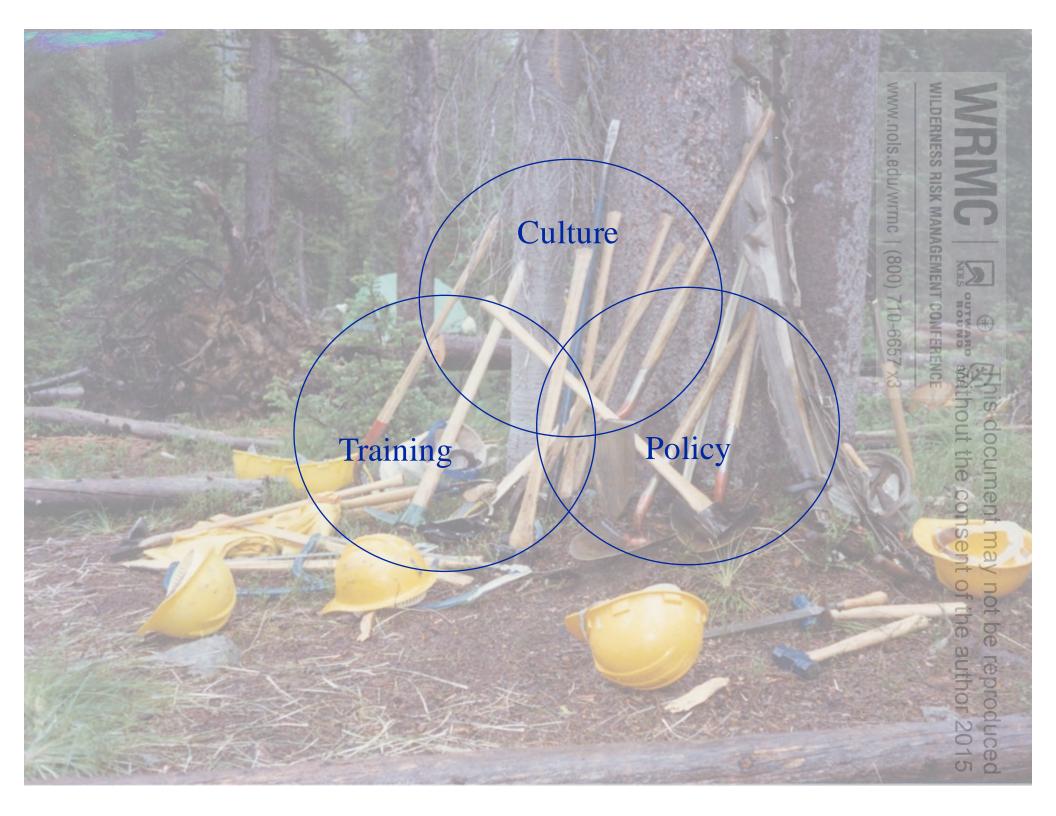
What worries you?

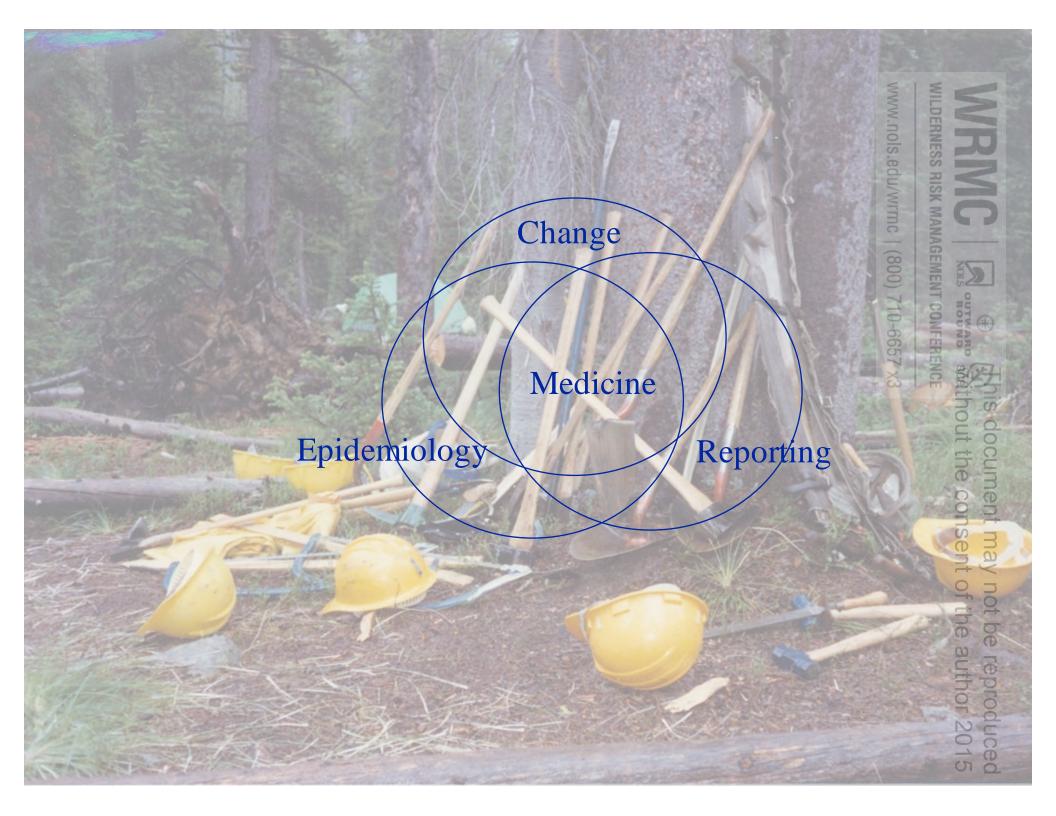






God at his computer







"Stopping epidemics is not often a problem of ignorance – of not having the know-how about what to do. It is a failure of compliance – a failure of individuals to apply that know-how and an institution to create and perpetuate the system." Atul Gawande





Success did not correlate with experience

Practice, preparation and follow-through were key determinants

"What matters is how you practice, as a group, with realistic simulations, in a consistent and reproducible format."





Contrary to Common
Perception, Most Errors did
not Occur During the Most



They Occurred in the middle, When Vigilance Waned



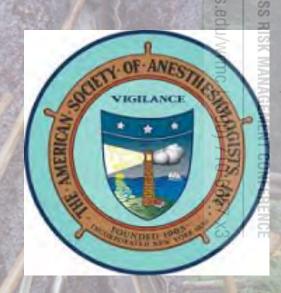
Failure Factors Included:
Inadequate Experience
Inadequate Familiarity with
Equipment

Poor Communication Among Team

Haste

Inattention

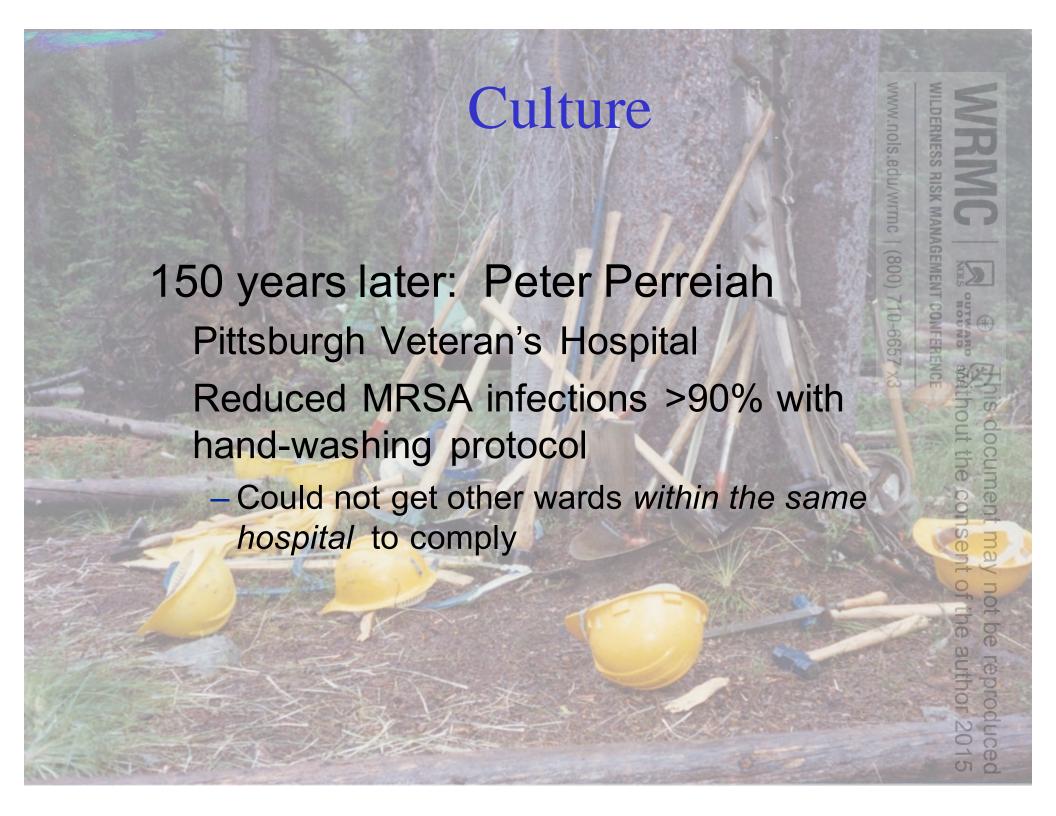
Fatigue

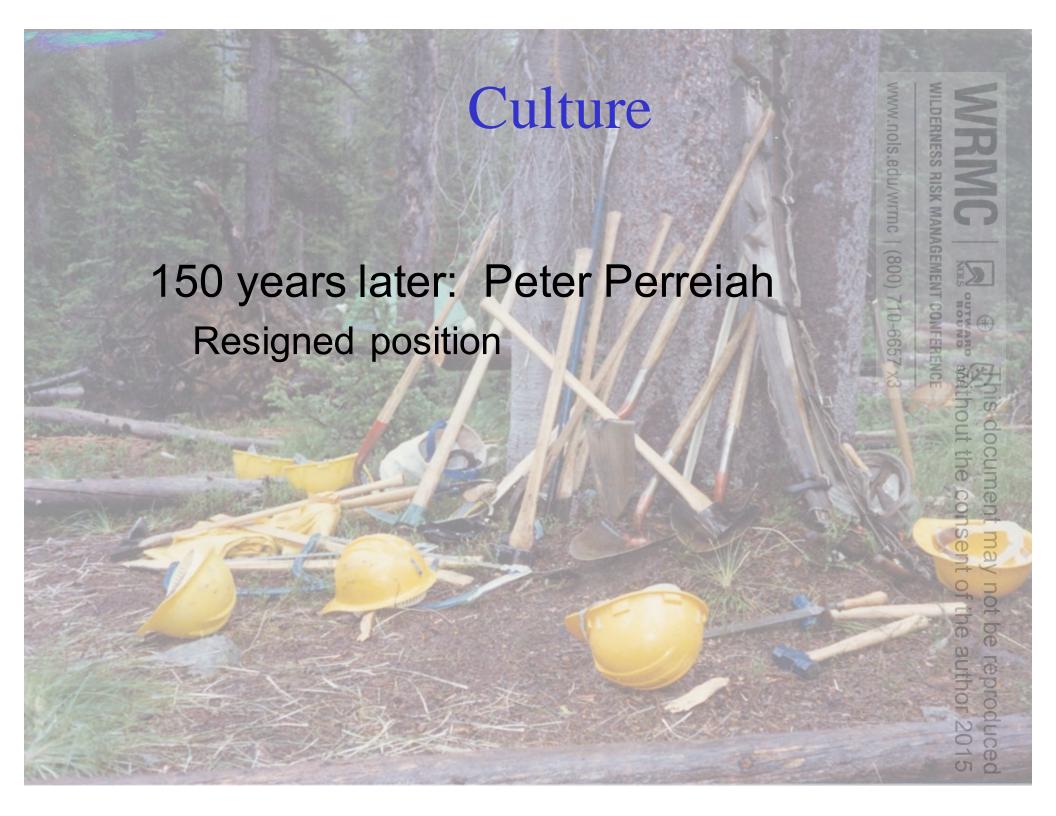


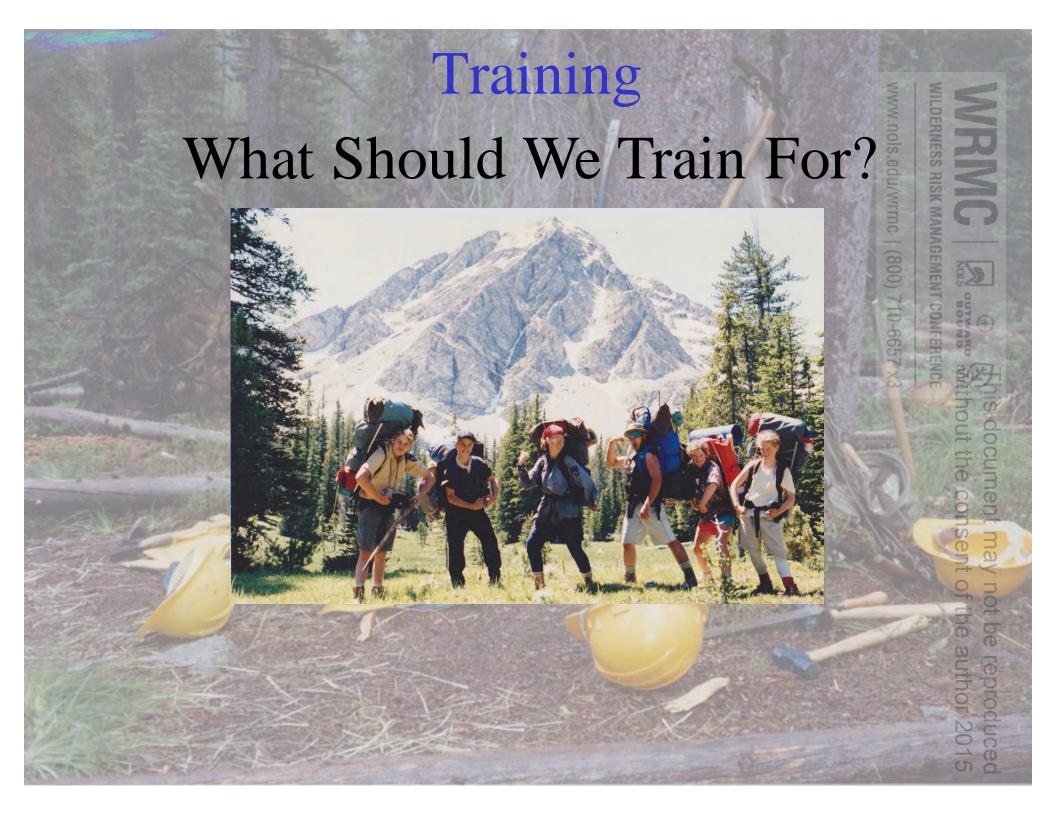
Ignac Semmelveis Viennese Obstetrician

- Asked why in-hospital maternal mortality >20%
 when out-of hospital maternal mortality < 1%
- Concluded it was Drs. spreading infection by not washing hands (in an era before germs were recognized agents of disease)
- Met by tremendous institutional resistance
- Introduced hand-washing protocol
- Instantly reduced mortality to <1%</p>



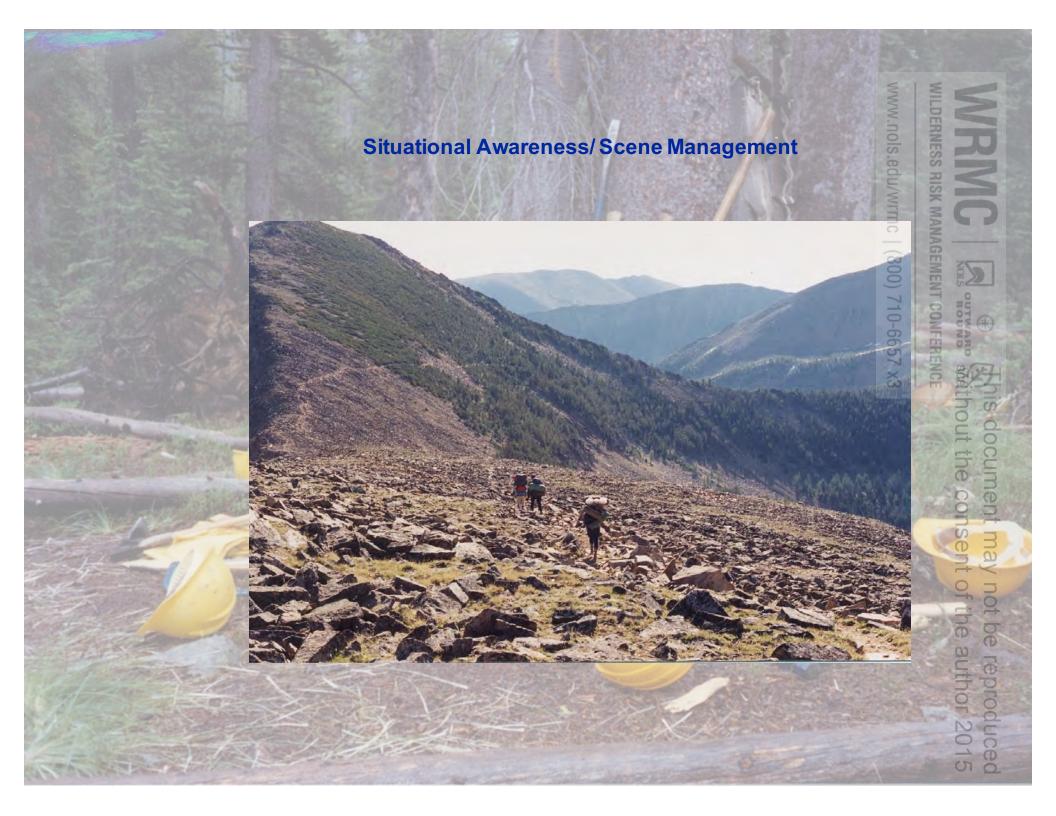


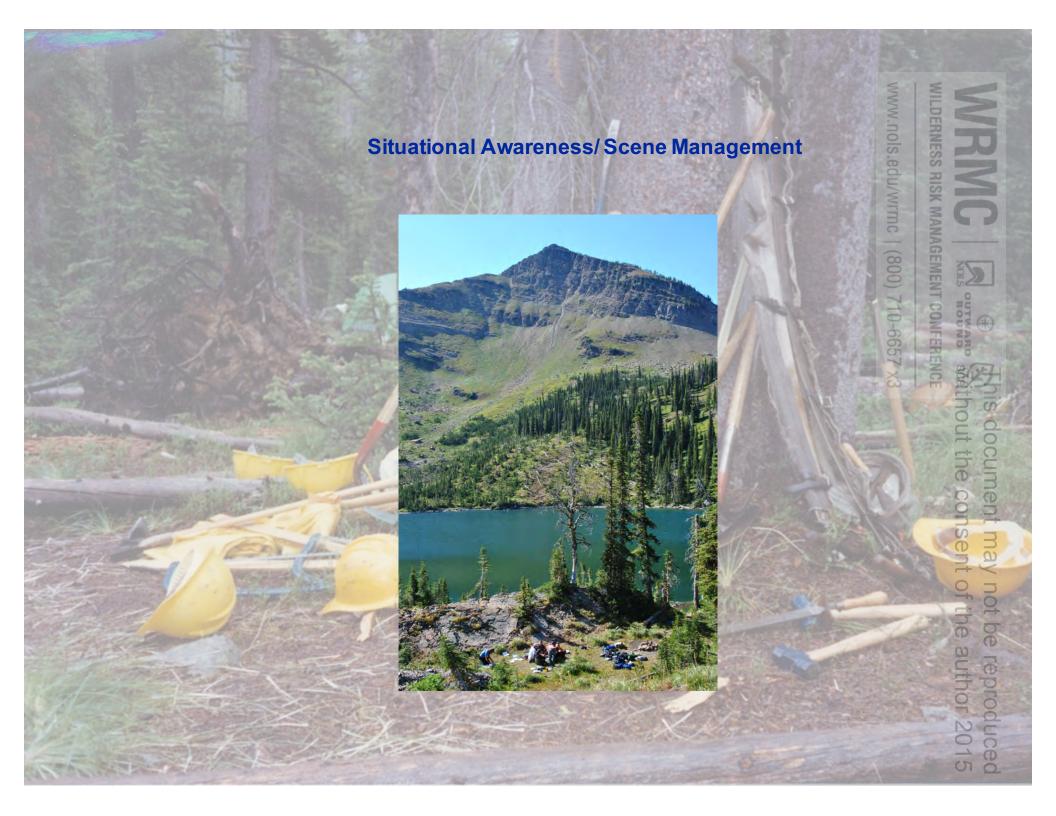








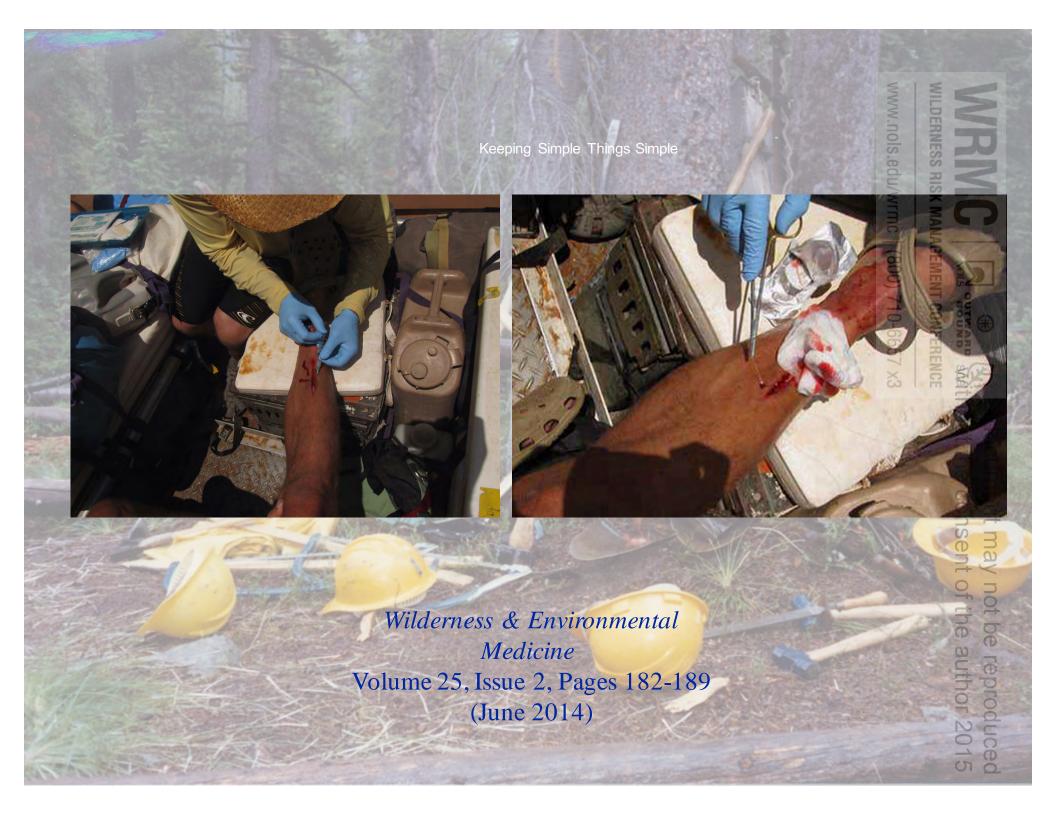


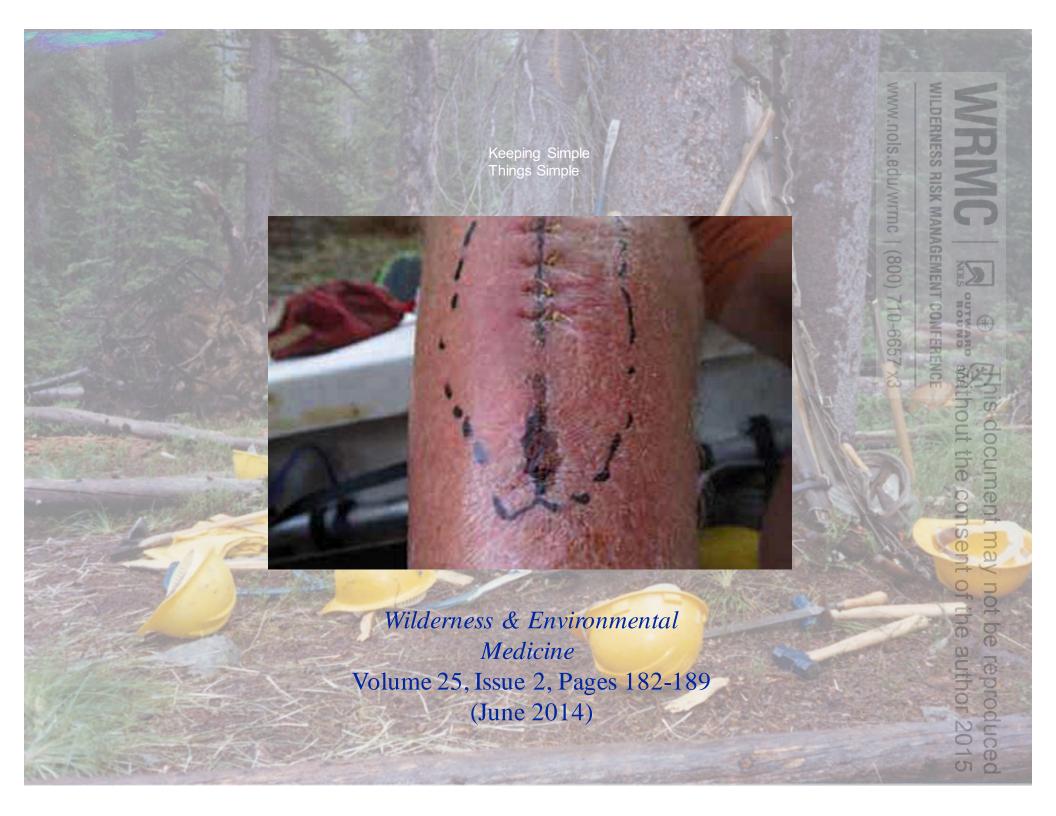




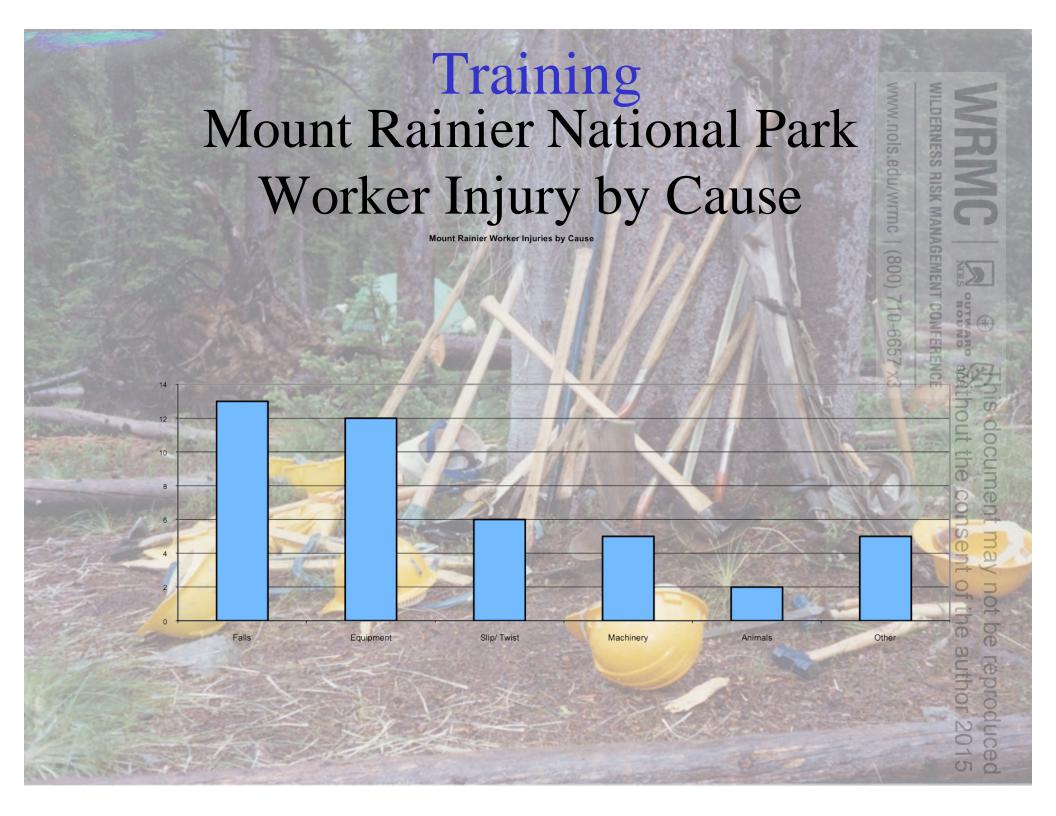






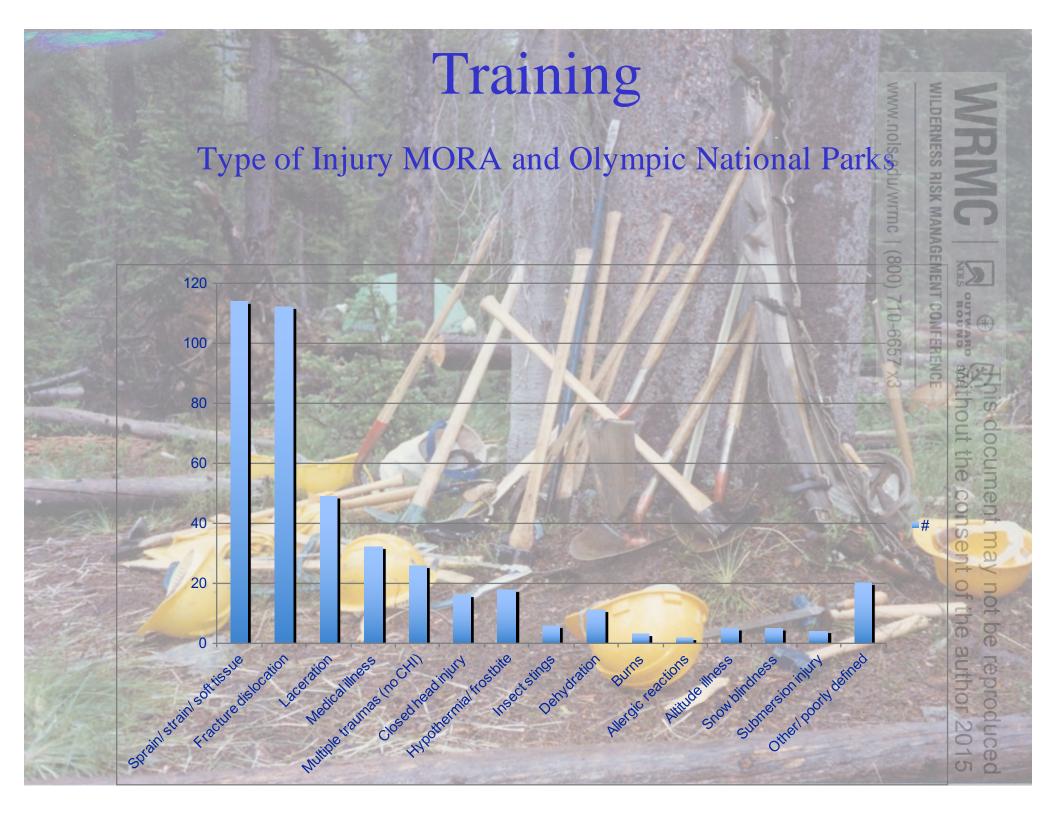


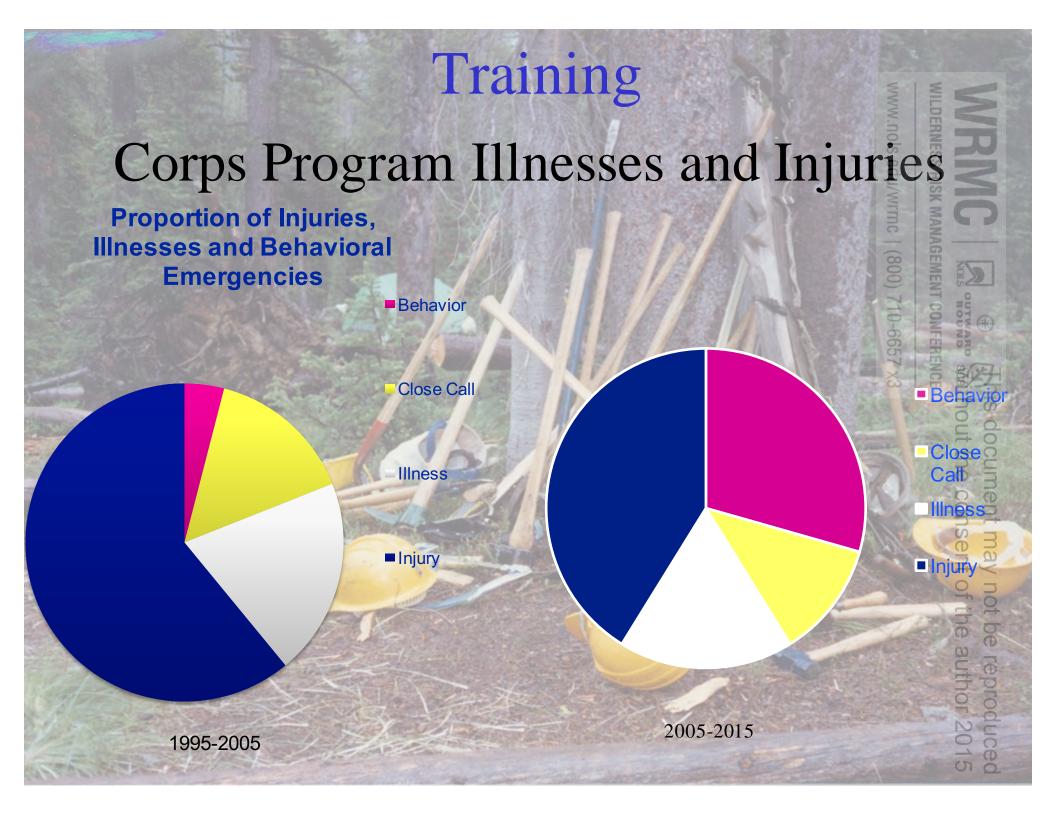
Training Percentage of Visitor Fatalities Reported – National Park Service % NPS Fatalities by Category

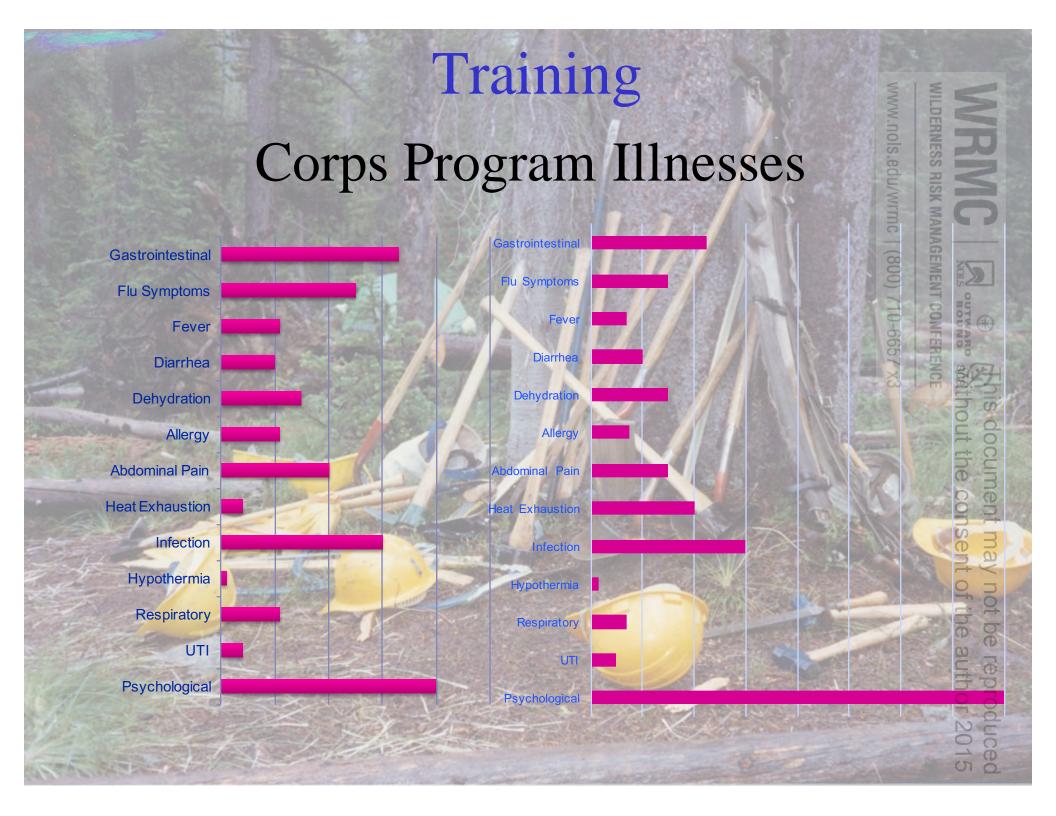


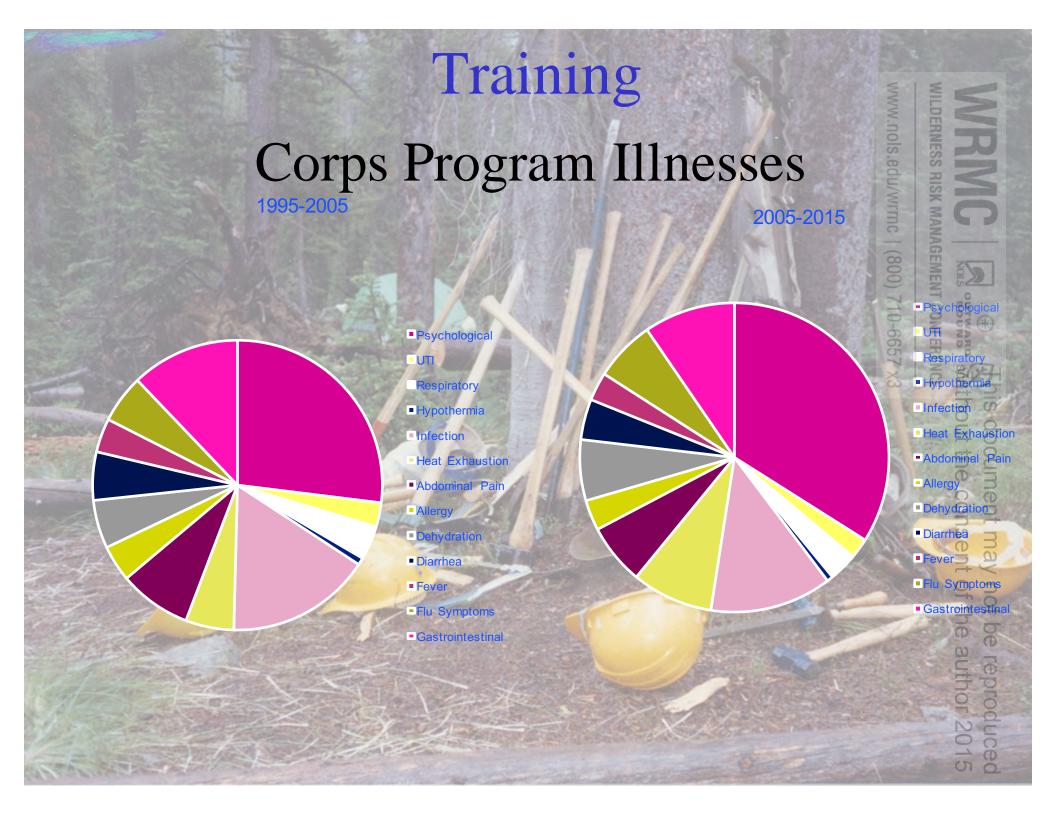
Training Injury and Illness in Hawaii **Volcanoes National Park** of Injuries 400 350 300 250 200 150 Number 100 50 Hands UpperLeg Elbow Shoulder

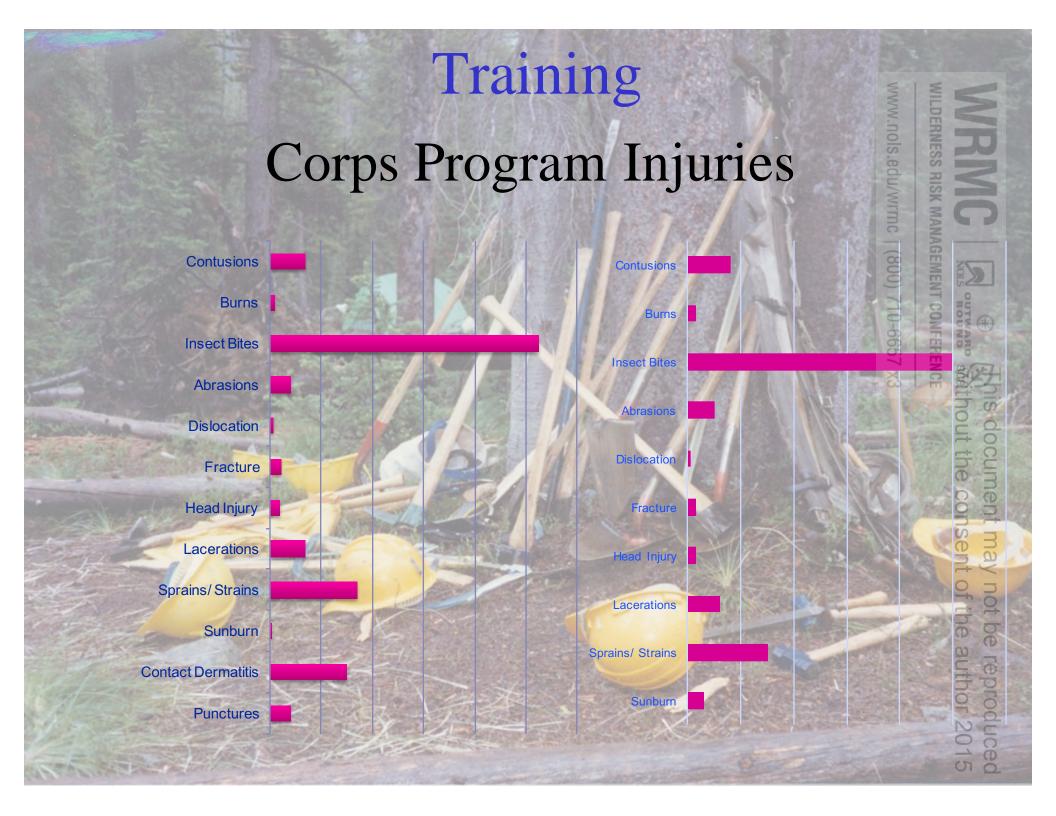


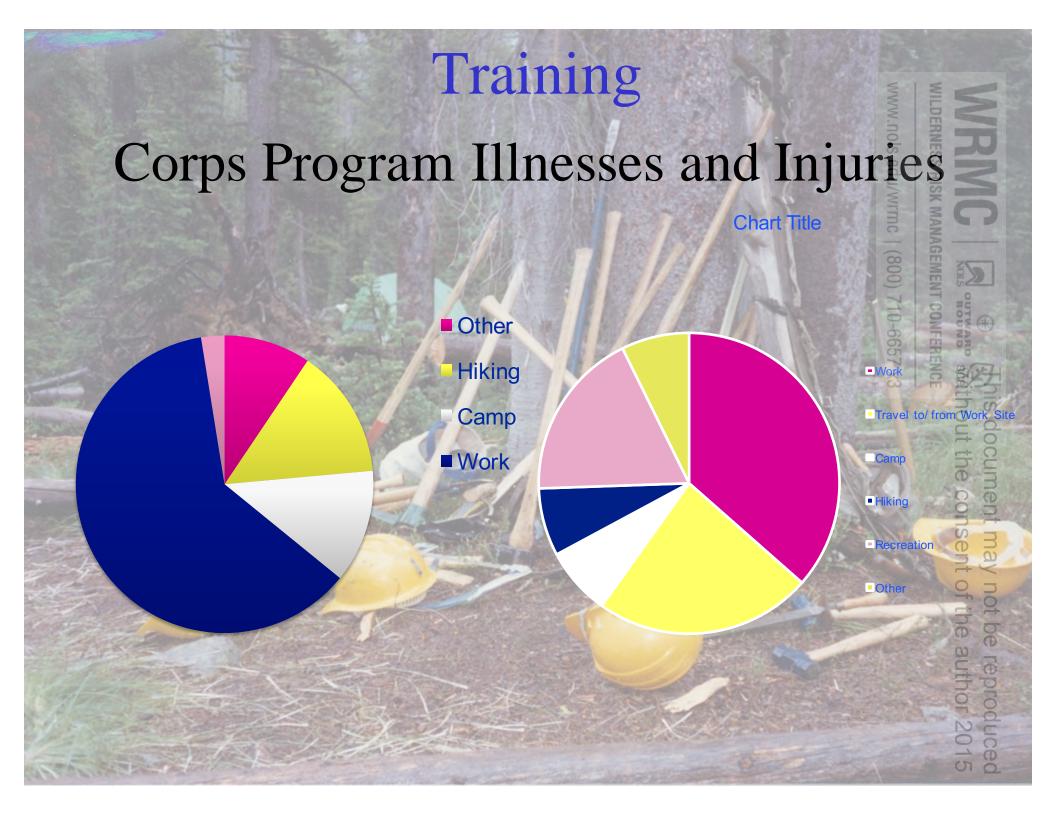


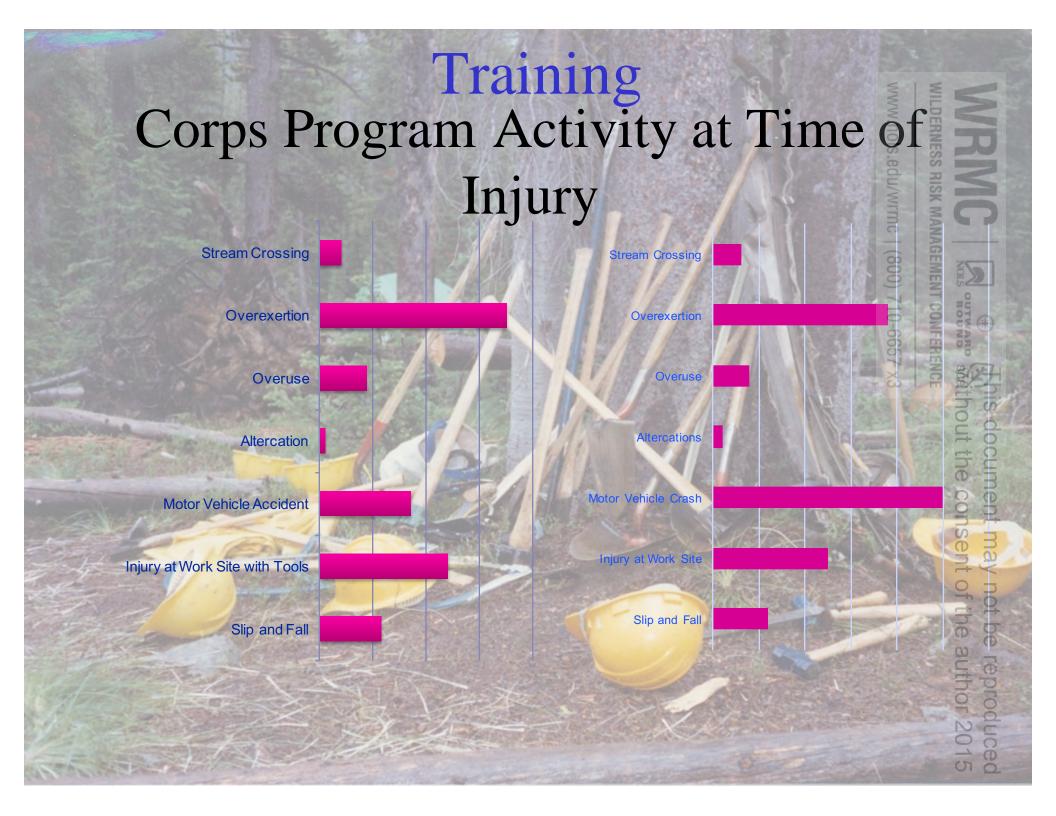


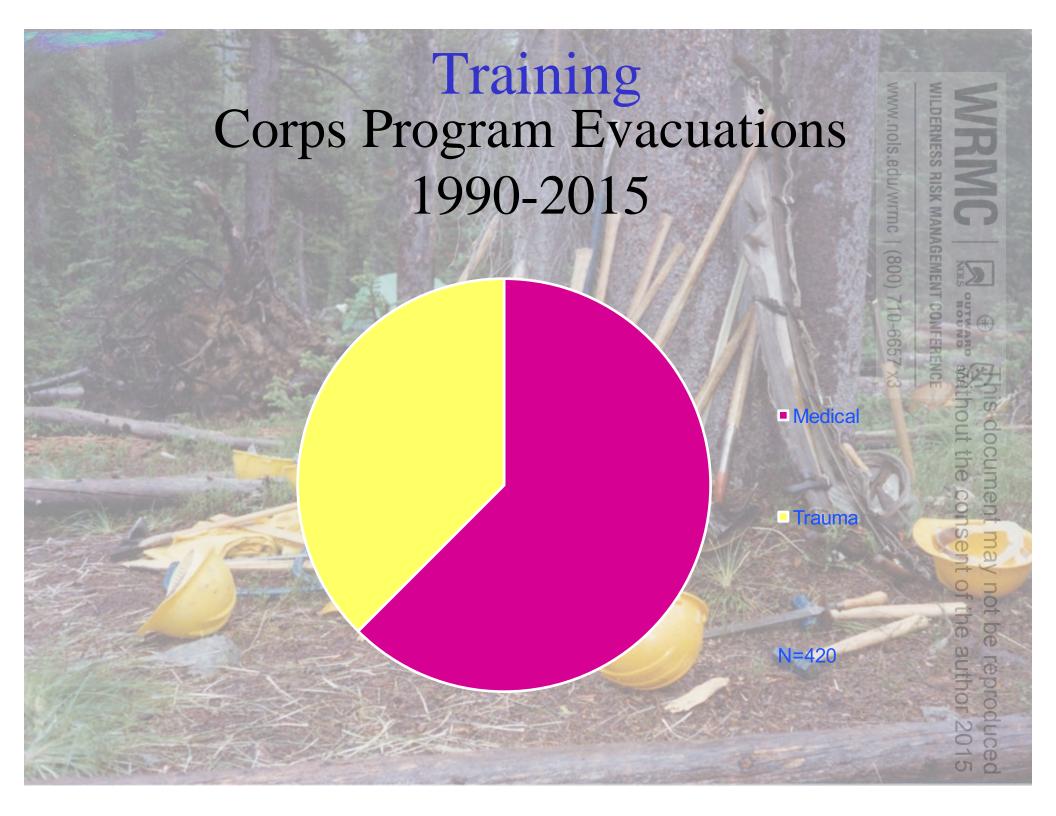


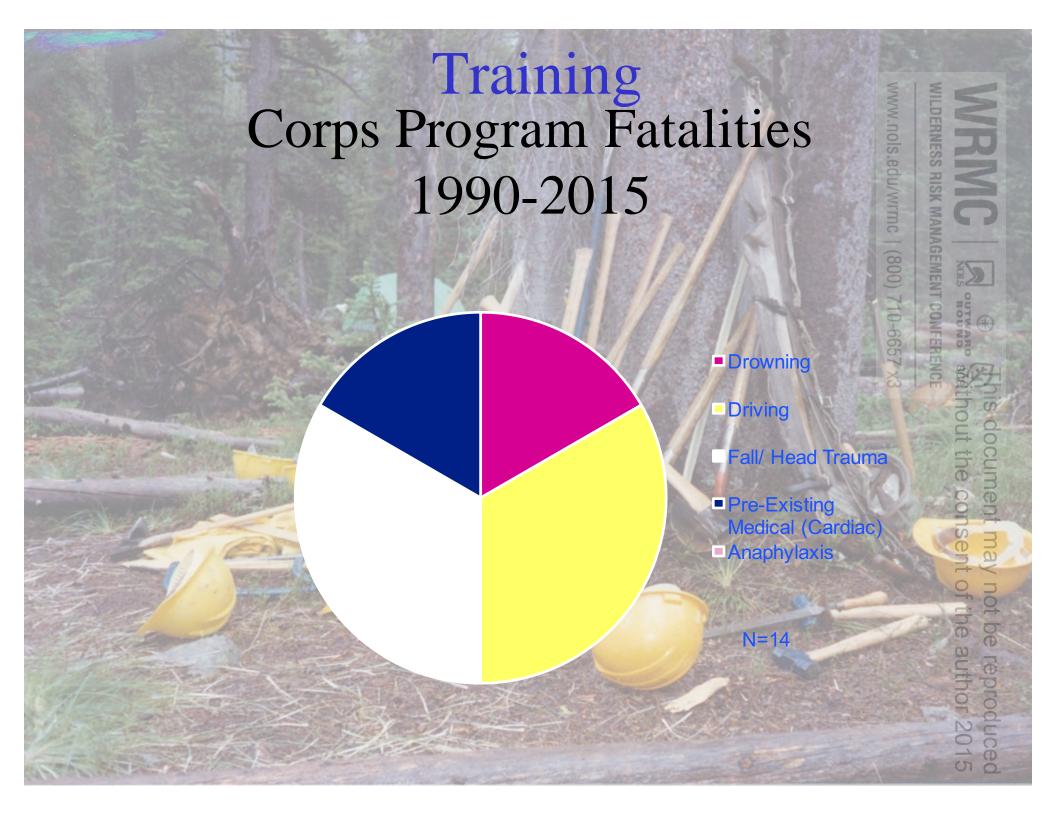


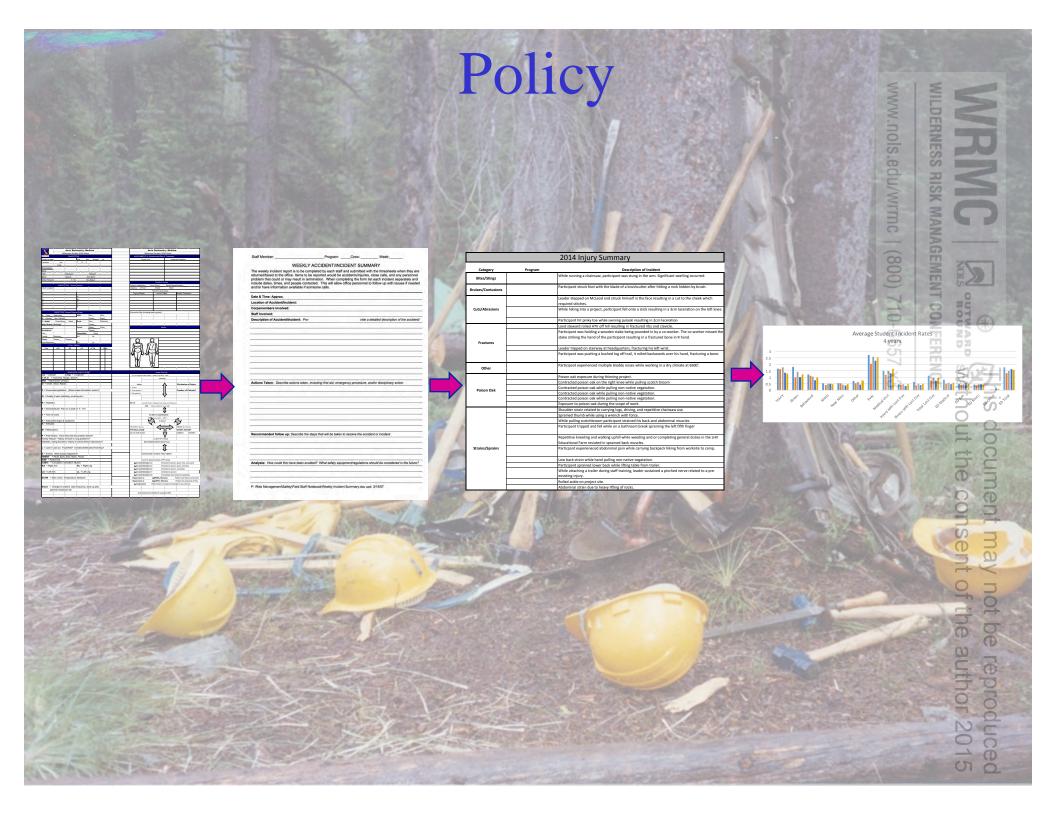


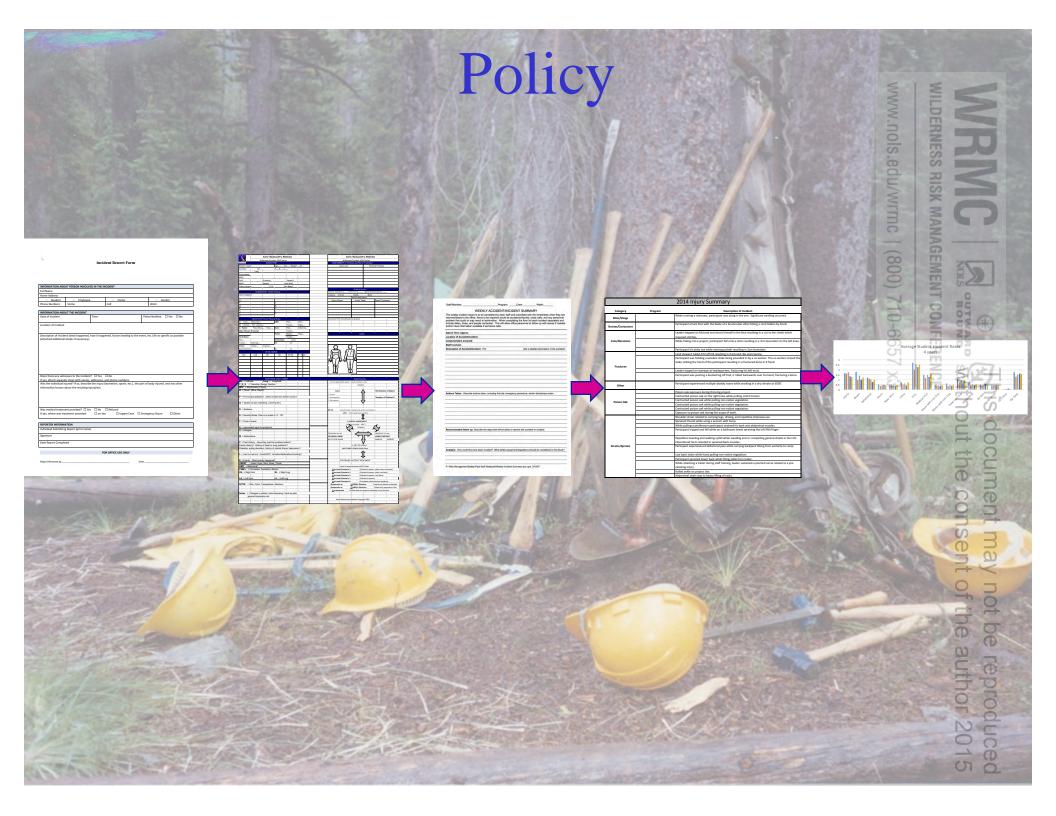














Incident Report Form

INFORMATION ABOUT PERSON INVOLVED IN THE INCIDENT							
Full Name	OT TERSOIT HEVOLVE	DIN THE III	CIDEIT				
Home Address							
□ Student	☐ Employee			Visitor		□ Vendo	_
Phone Numbers	☐ Employee Home		Cell	VISILUI		Work	"
Priorie Numbers	Home		Cell			WOIK	
INFORMATION ABOU	IT THE INCIDENT						
Date of Incident	or the interpert	Time			Р	Police Notified	Yes 🗆 No
Date of melacine					'	once Hotmes =	
Location of Incident							
Description of Incide		now it happ	ened, fa	tors leading to t	he even	ıt, etc.) Be as specifi	c as possible
(attached additional	sheets if necessary)						
Were there any witner If yes, attach separate				o numbers			
Was the individual in					he nart	of hody injured an	d any other
information known a			iaceiatic	iii, spraiii, etc.,, t	ne part	or body injured, and	u any other
		, , ().					
Was medical treatme			☐ Refus			_	· ·
If yes, where was trea	atment provided:	☐ on site	2	☐ Urgent Care	□ Em	ergency koom	☐ Other
REPORTER INFORMA	TION						
Individual Submitting		1					
marviduai Submitting	, report (print name,	'					
Signature							
Data Banast Camalat							
Date Report Complet	eu						
FOR OFFICE USE ONLY							
Report Received by					Date		

Near-Miss Report Purposes

- RecognizeTrends
- UpdateGuidelines
- / Legal
- Data/SummaryStatistics

NRMC

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FOR OFFICE USE ONLY

Document any follow-up action taken after receipt of the incident report.

Date	Action Taken	By Whom

Near-Miss Report Purposes

- RecognizeTrends
- UpdateGuidelines
- / Legal
- Data/SummaryStatistics

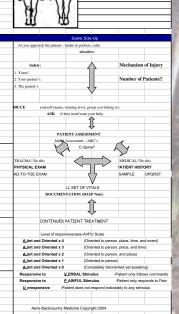
NRMC

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	rie Backcour	ntry Medicii	ne
	ness Incident So		
SSESSMENT of S	ituation and Plan		
Injury List		Potes	ntial Problems
		1	
		-	
	PLAN of		170 10
nt Ambulatory I ncy: Critical	Stable	Spinal Imm Minor	iodilization
icy. Critical	Plan for each		
njury/illness:	Action T		Planned Treatment:
g=),			
	_		
ation Plan (including	back-up plan):		
arron rian (including	back-up plant	1	
		_	
		ites	



Field Report Purposes

- Near Miss
- Manage Scene
- Guide Care
- Handoff Care
- MDS
 - SOAP
- Legal
- Raw Data/SummaryStatistics

Staff Member:		Program:	Crew:	Week:	
WE	EKLY AC	CIDENT/INCI	DENT SUN	MARY	
The weekly incident report is to returned/faxed to the office. Ite problem that could or may resinctude dates, times, and peop and/or have information availa	ms to be reput ult in terminat le contacted.	orted would be a ion. When comp This will allow o	cidents/injuri	es, close calls, and any person list each incident separately	nnel
Date & Time: Approx.					
Location of Accident/Incident:					
Corpsmembers Involved:					
Staff Involved:					-
Description of Accident/Incider	it: Pro-		vide	a detailed description of the acc	cident/
					_
					_
Actions Taken: Describe action:	s taken, includi	ng first aid, emerg	ency procedure	, and/or disciplinary action.	
					_
Recommended follow up: Desc	ribe the steps I	hat will be taken to	resolve the ac	cident or incident.	
* IT-75				7 7 7 7	
Analysis: How could this have b	een avoided?	What safety equip	ment/regulation	ns should be considered in the fo	iture?
					_

Weekly/ Quarterly Report Purposes

- Recognize Trends
- Update Guidelines
- Legal
 - Data/ Summary Statistics

WRMC

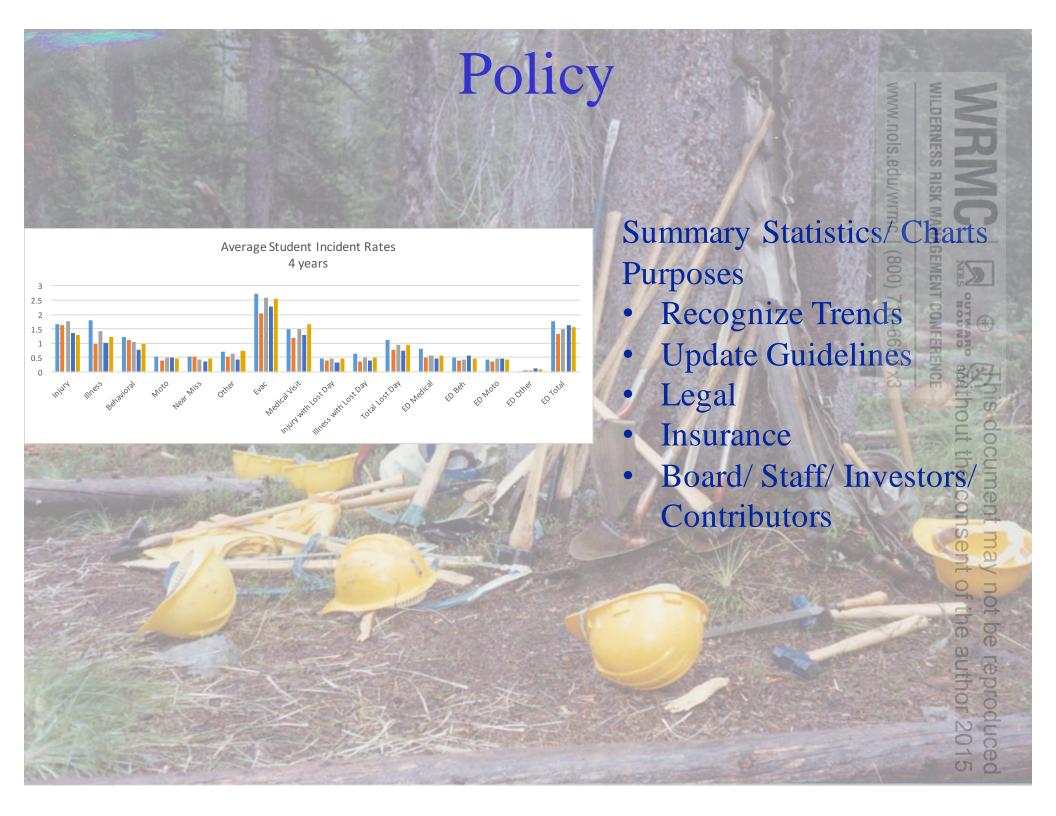


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2014 Injury Summary							
Category Program Description of Incident							
Bites/Stings		While running a chainsaw, participant was stung in the arm. Significant swelling occurred.					
Bruises/Contusions		Participant struck foot with the blade of a brushcutter after hitting a rock hidden by brush.					
		Leader stepped on McLeod and struck himself in the face resulting in a cut to the cheek which required stitches.					
Cuts/Abrasions		While hiking into a project, participant fell onto a stick resulting in a 3cm laceration on the left knee					
		Participant hit pinky toe while swining pulaski resulting in 2cm laceration					
		Land steward rolled ATV off hill resulting in fractured ribs and clavicle.					
Fractures		Participant was holding a wooden stake being pounded in by a co-worker. The co-worker missed the stake striking the hand of the participant resulting in a fractured bone in R hand.					
		Leader tripped on stairway at headquarters, fracturing his left wrist.					
		Participant was pushing a bucked log off trail, it rolled backwards over his hand, fracturing a bone.					
Other		Participant experienced multiple bloddy noses while working in a dry climate at 6500'.					
		Poison oak exposure during thinning project.					
		Contracted poison oak on the right knee while pulling scotch broom					
Poison Oak		Contracted poison oak while pulling non-native vegatation.					
roison oak		Contracted poison oak while pulling non-native vegatation.					
		Contracted poison oak while pulling non-native vegatation.					
		Exposure to poison oak during the scope of work.					
		Shoulder strain related to carrying logs, driving, and repetitive chainsaw use.					
		Sprained thumb while using a wrench with force.					
		While pulling scotchbroom participant strained his back and abdominal muscles					
		Participant tripped and fell while on a bathroom break spraining the left fifth finger					
		Repetitive kneeling and walking uphill while weeding and or completing general duties in the LHV Educational Farm resluted in sprained back muscles.					
Strains/Sprains		Particpant experienced abdominal pain while carrying backpack hiking from worksite to camp.					
		Low back strain while hand pulling non-native vegatation.					
		Participant sprained lower back while lifting table from trailer.					
		While attaching a trailer during staff training, leader sustained a pinched nerve related to a pre- exsisting injury.					
		Rolled ankle on project site.					
		Abdominal strain due to heavy lifting of rocks.					

End-Of Year Report Purposes

- Recognize Trends
- Update Guidelines
- Legal
- Data/ Summary Statistics



Incident Threshold Level: $\ \square\ 0$ $\ \square\ I$ $\ \square\ II$ $\ \square\ IV$ $\ \square\ V$ Incident Date: ______ Incident Time: ____ Person(s) involved in incident: _____ Position type: □ Crew □ Community □ Corps □ Intern □ Leader Team □ Admin/Office/Event Environment: Urban Frontcountry Backcountry Incident Occurred on Duty? ☐ Yes ☐ No Incident Narrative: _____ What action has been taken? What is the plan moving forward? _____ Will there be continued communication? ☐ Yes ☐ No Who? Type of Injury: ☐ Abrasion ☐ Sunburn Contusion ☐ Burn (non-sun) ☐ Laceration ☐ Blister

☐ Bug Bite(s) Kind:

☐ Head (conscious)

□ Dislocation

Other: ____

☐ Head (unconscious)

Incident Report Form

Puncture

☐ Fracture

☐ Sting(s) Kind:

☐ Sprain or Strain

Type of Illness:

☐ Rash from Plants

☐ Tick bite/embedded

			CO
			e
	Gastro/Intestinal		UTI
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_	- I I I I I I I I I I I I I I I I I I I		Heat Exhaustion
		_	
	Infection	_	, po
	Flu Symptoms		Other:
	Lyme Disease		8
Be	havioral:		Ö
	Motivation		Sexual Harassment/Assault
	Drugs/Alcohol/Tobacco		
	Psychological		Unprofessional conduct
	Verbal harassing behavior		Other:
	Physical harassing behavior		0
Ot	her:		5
	Travel Problems		Near miss
	Family Emergency		Theft
	Vehicle Accident		Issue with Agency/
	Property/Equipment		Supervisor
	Damage		Other:
	Early Departure		
Pro	gram Activity:		
	Carrying Equipment		Canoeing/ Aquatic
	Tool Sharpening		Driving/Vehicular
	Moving Rock/Timber		Training program:
	Using tool:		Cooking/Kitchen/Dishes
	Working on Tread/Drainage		Education Service:
	Working on Res. Facilities Hiking		Camping
_	niking		Swimming
	act Logistics		
Nam	e of Doctor/Hospital/Clinic: _	_	
Phor	ne of Doctor/Hospital/Clinic:		
	And the second s		
Will out s	this incident be filed as a worke eparate form.	ers co	ompensation claim? If so, fill
□ Ye	s 🗆 No 🗆 Pending Review	,	
Have	parents been notified: Yes	□ N	o If yes, by whom:

Incident Report Form Incident Date: _____ Incident Time: _____ Person(s) involved in incident: _____ Position type: □ Crew □ Community □ Corps □ Intern □ Leader Team □ Admin/Office/Event Environment: Urban Frontcountry Backcountry Incident Occurred on Duty? ☐ Yes ☐ No Incident Narrative: _____ What action has been taken? What is the plan moving forward? Will there be continued communication? ☐ Yes ☐ No Who? _____ When? Type of Injury: ☐ Abrasion ☐ Sunburn ☐ Contusion ☐ Burn (non-sun) Laceration ☐ Blister Puncture ☐ Bug Bite(s) Kind: ☐ Sting(s) Kind: ☐ Head (conscious) Rash from Plants ☐ Head (unconscious) ☐ Tick bite/embedded Dislocation ☐ Fracture Other: Sprain or Strain Type of Illness:

			§ §
0000000		00000	Fever Dehydration
Be	havioral:		3 3
O O O	/ 0	0000	Sexual Harassment/Assault Safety/Judgment Unprofessional conduct Other:
	Travel Problems		Near miss
000 0	Family Emergency Vehicle Accident Property/Equipment Damage Early Departure	0 0 0	Theft Issue with Agency/ Supervisor Other:
Pro	gram Activity:		
000000	Carrying Equipment Tool Sharpening Moving Rock/Timber Using tool: Working on Tread/Drainage Working on Res. Facilities Hiking	000000	Canoeing/ Aquatic Driving/Vehicular Training program: Cooking/Kitchen/Dishes Education Service: Camping Swimming
Cont Nam	act Logistics e of Doctor/Hospital/Clinic:		
	ne of Doctor/Hospital/Clinic: _		
	this incident be filed as a work eparate form.	ers co	ompensation claim? If so, fill
□ Ye	s No Pending Review	V	
	parents been notified: Yes		o If yes, by whom:
	the patient evacuated from the		

Incident Report Form Incident Date: _____ Incident Time: _____ Person(s) involved in incident: _____ Position type: □ Crew □ Community □ Corps □ Intern □ Leader Team □ Admin/Office/Event Environment: Urban Frontcountry Backcountry Incident Occurred on Duty? ☐ Yes ☐ No Incident Narrative: _____ What action has been taken? What is the plan moving forward? Will there be continued communication? ☐ Yes ☐ No Who? _____ When? Type of Injury: ☐ Abrasion ☐ Sunburn ☐ Contusion ☐ Burn (non-sun) Laceration ☐ Blister Puncture ☐ Bug Bite(s) Kind: ☐ Sting(s) Kind: ☐ Head (conscious) Rash from Plants ☐ Head (unconscious) ☐ Tick bite/embedded Dislocation ☐ Fracture Other: Sprain or Strain Type of Illness:

Name of Doctor/Hospital/Clinic:	00000000	Abdominal Pain Diarrhea Respiratory Symptoms Allergy		Fever Dehydration Heat Exhaustion Hypothermia
□ Drugs/Alcohol/Tobacco □ Psychological □ Verbal harassing behavior □ Physical harassing behavior □ Physical harassing behavior □ Physical harassing behavior □ Other: □ Travel Problems □ Family Emergency □ Vehicle Accident □ Droperty/Equipment □ Damage □ Early Departure □ Tool Sharpening □ Moving Rock/Timber □ Using tool: □ Using tool: □ Working on Tread/Drainage □ Working on Res. Facilities □ Hiking □ Swimming □ Contact Logistics Name of Doctor/Hospital/Clinic: □ Phone of Doctor/Hospital/Clinic: □ Will this incident be filed as a workers compensation claim? If so, fill out separate form.	Be	havioral:		3 ≥
□ Travel Problems □ Near miss □ Family Emergency □ Theft □ Vehicle Accident □ Issue with Agency/ □ Property/Equipment □ Supervisor □ Damage □ Other: □ Canoeing/ Aquatic □ Tool Sharpening □ Driving/Vehicular □ Tool Sharpening □ Driving/Vehicular □ Moving Rock/Timber □ Training program: □ Using tool: □ Cooking/Kitchen/Dishes □ Working on Tread/Drainage □ Education Service: □ Working on Res. Facilities □ Camping □ Hiking □ Swimming Contact Logistics Name of Doctor/Hospital/Clinic: □ Phone of Doctor/Hospital/Clinic: □ Will this incident be filed as a workers compensation claim? If so, fill out separate form. □ Yes □ No □ Pending Review Have parents been notified: □ Yes □ No If yes, by whom:	000	Drugs/Alcohol/Tobacco Psychological Verbal harassing behavior		Safety/Judgment Unprofessional conduct
Family Emergency	Otl	her:		
Program Activity: Carrying Equipment Canoeing/ Aquatic Tool Sharpening Driving/Vehicular Moving Rock/Timber Training program: Using tool: Cooking/Kitchen/Dishes Working on Tread/Drainage Education Service: Working on Res. Facilities Camping Hiking Swimming Contact Logistics Name of Doctor/Hospital/Clinic: Phone of Doctor/Hospital/Clinic: Will this incident be filed as a workers compensation claim? If so, fill out separate form. Yes No Pending Review Have parents been notified: Yes No If yes, by whom:		Family Emergency Vehicle Accident Property/Equipment Damage		Theft Issue with Agency/ Supervisor
Tool Sharpening	Pro			
Name of Doctor/Hospital/Clinic: Phone of Doctor/Hospital/Clinic: Will this incident be filed as a workers compensation claim? If so, fill out separate form. Yes Do Pending Review Have parents been notified: Pes Do If yes, by whom:	00000	Tool Sharpening Moving Rock/Timber Using tool: Working on Tread/Drainage Working on Res. Facilities	00000	Driving/Vehicular Training program: Cooking/Kitchen/Dishes Education Service: Camping
Will this incident be filed as a workers compensation claim? If so, fill out separate form. ☐ Yes ☐ No ☐ Pending Review Have parents been notified: ☐ Yes ☐ No ☐ If yes, by whom:				
out separate form. □ Yes □ No □ Pending Review Have parents been notified: □ Yes □ No If yes, by whom:	Phor	ne of Doctor/Hospital/Clinic: _		
Have parents been notified: □ Yes □ No If yes, by whom:	out s	eparate form.		empensation claim? If so, fill
	J 16			· · · · · · · · · · · · · · · · · · ·
	Have	narente haen notified V		

Culture, Training and Policy Summary: How to Improve

Collaborate

Count

Gather Data With Intent

Write

Standardize the process, language, methodology

Analyze

Summarize Data With Intent

Train

Inspire









Step 1: Identify the Unknown

What makes this program different from what you usually do?

- new type of projects
- new population
- new environment
- new partners

Step 2: Vet

What tools do you use to vet new programs?

- mission check
- Project descriptions
- Hazard Assessments
- site visits
- staff knowledge
- capacity
- other experts in the field
- Other tools?

Is there a committee in you<mark>r organi</mark>zation that does this?

If not should there be?

You've got one foot in the water, now it's time to embrace the unknown

Why?

- Connecting to organizational culture
- Good for staff morale
- You're more likely to invest the time and resources to do it right
- This is a chance to learn and grow as an organization
- Embracing and understanding it will make you more prepared to manage the program and mitigate risks

Step 4: Prepare

- How do you recognize the change in expertise needed in order to safely and successfully run a new program?
- How does your Risk Management change for the new environment?
- How does your training change?

Policy, Culture and Training in uncharted waters

The same of the sa		New type of project	New Population	New Environment	New Partners (800) 710-66
是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	Identify				RENCE 557 x3
	Vet				It the consen
	Prepare				or the author

Case Studies

- Urban Corps that typically works on trail maintenance and invasive plant removal in area parks gets a large grant to work on community gardens throughout city. Projects include building raised beds and compost bins, managing compost program, harvesting vegetables for farmers markets and assisting elderly residents with their plots.
- Due to increased flooding along east coast there is FEMA funding available for debris removal on NPS managed shoreline.
- A local workforce development agency is seeking a partner to provide hands on training and career development to 18-24 year olds who have been incarcerated or in the juvenile justice system.
- A long time partner who has hosted youth trail crews for decades would like your
 organization to run a crew focused on historic preservation with students from a
 charter high school with a Historic Preservation focus based at their site.

of the author 2015

A partner would like you to engage veterans in your programming at the site.

Training

- Does your current training cover what is needed?
- Do your trainers have the skills needed to train leaders/members?
- Is the location of your training appropriate?
- How does your training change?

- How does your RM change for the new environment?
 - are you reexamining your field standards
 - do ratio's change?
 - Do your tools change?
 - do certification levels change?
 - Does staffing change?

Building Confidence

Marshall Goldsmith

Feed Forward

Fedback

WHENDER PUSIONANT CONTERENT WINDS CONTINUED (800) 710-6657 x3

practice

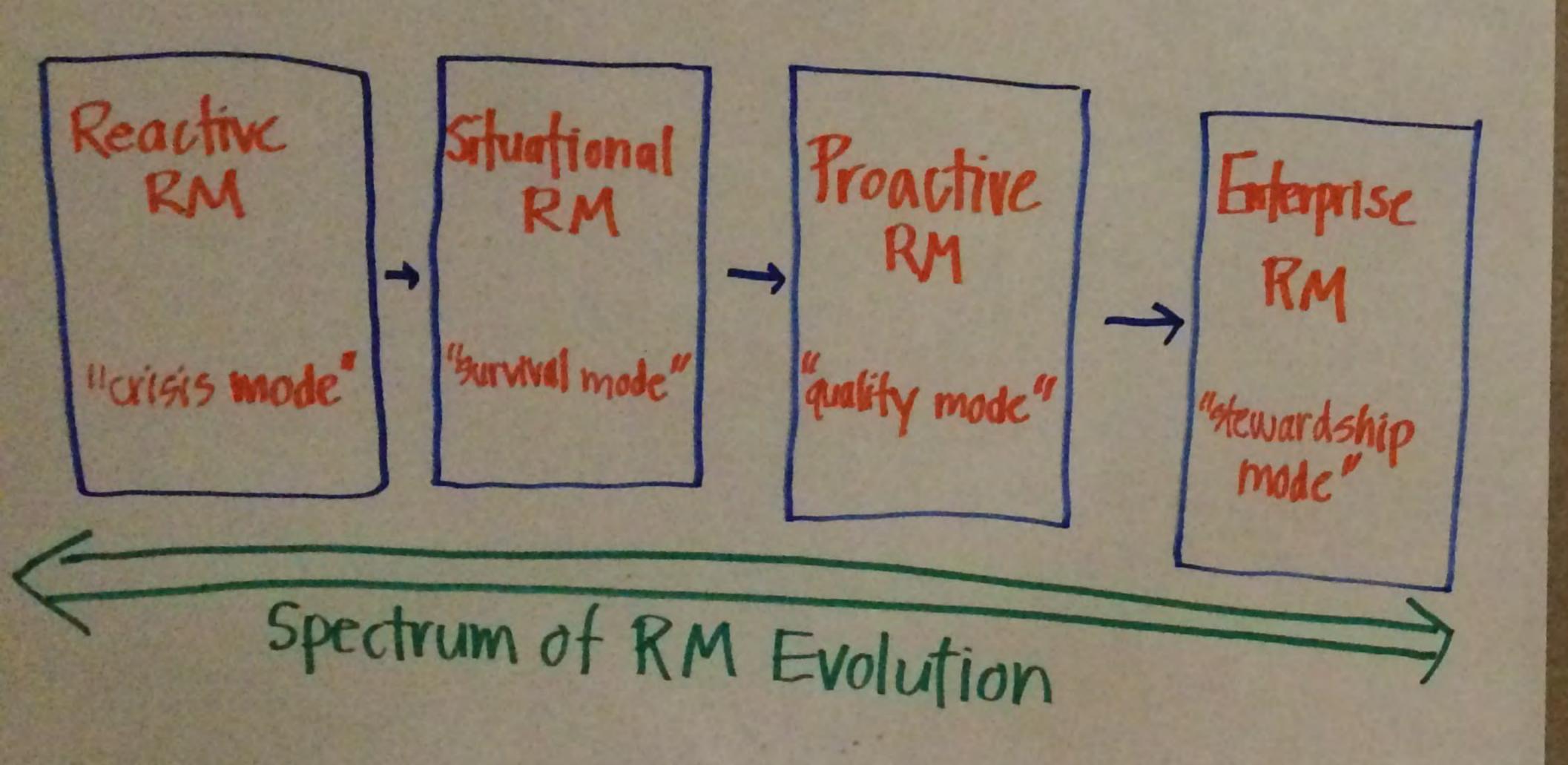
A STORY

Examples:

RM PATHWAYS

framework CI,P www.nols.edu/wrmc WIEW TO THE THE WASHINGTON THE SELLINOR PROBE DE (1) 0-6657 X

from Non Profit Risk Management Center



What makes Corps special! why do you work for a Corps?

a conservation ethic 5 Service / ethic Sense of Mission * Harning · Man development · challenge - better problem solvers · ability to develop program uniquely · Sense of community

o sweat = work