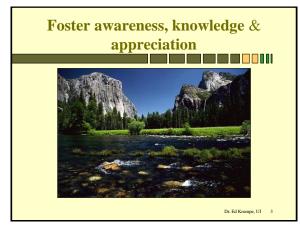


Theoretical Premises

- To be effective, Wilderness interpretation must be tailored to the needs and tendencies of a non-captive audience.
- Theories of behavior and motivation should guide the development of our persuasive communication strategies.
- Information should address specific target audiences.
- Wilderness education serves many roles in sustainable Wilderness stewardship.

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1. Foster awareness, knowledge & appreciation

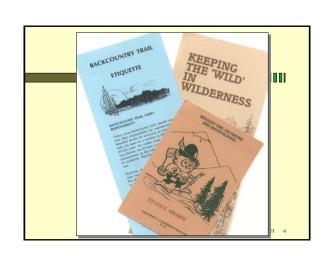
- · History & philosophy of Wilderness
- · On-site and vicarious benefits
- · Natural history of the area
- · Appreciation of wildness & naturalness
- Commitment to conservation & a land ethic
- · Better informed citizens

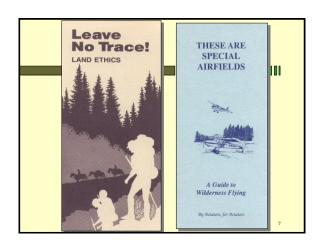


2. To develop skills & promote behaviors

- LNT & other "Light on the land" skills
- · Low impact camping, sanitation
- · Stock handling
- · Navigation & travel, first aid
- Following rules
- Pack it In, Pack it Out . . .







3. Enhance Users' Wilderness Experience

- Trip planning information
- · Maps, guidebooks, brochures
- · Explain regulations
- Travel to and from
- Alternative destinations & opportunities

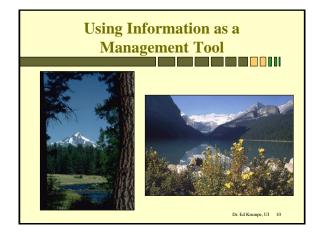


4. Enhance Agency/Public Relations

- · On-site information -- useful & relevant
- · Off-site information -- interesting & useful
- Public meetings & 2-way communication
- · An involved public



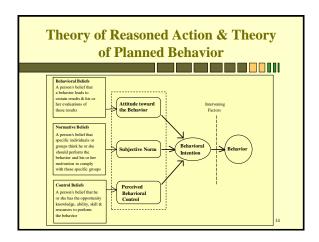




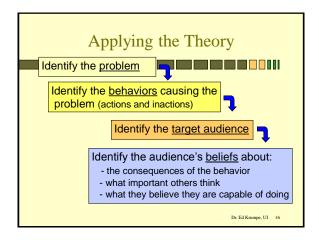
Two Approaches to Management Indirect Direct · Physical Alterations · Manipulate Site - Harden campsites - Bridges & trails - Sanitary facilities Regulations - Develop access - Assign routes - Limit visitation Fees - Permits Eligibility Reservations requirements Information & Education



Typical Problem-targeted Message • Prevent damage to trees! • Trees can be stressed or killed by tying stock to them. - Stock ropes tied to trees will wear away the bark. - Tethered stock paw & compact the soil. - Tree roots are exposed & damaged.



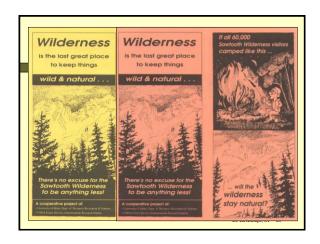
• Address their beliefs about the consequences of their actions: - "Cutting switchbacks causes erosion." • Address their beliefs about what other people think about them cutting switchbacks: - "My friends hate muddy, eroded trails." • Address their beliefs that they have control over cutting switchbacks: - "It is easy for me to stay on the trail if I want to!"

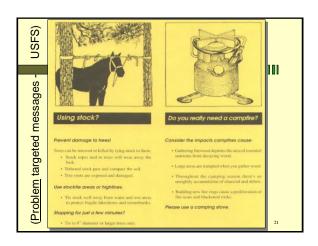


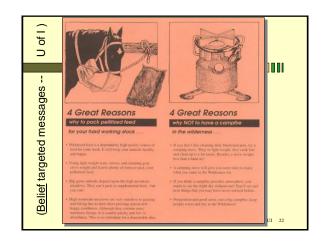
3 Approaches to Belief-Targeted Messages • Construct a belief that doesn't exist. - "Cutting switchbacks causes erosion." - "Steep downhill hiking causes injury to muscles & joints." • Change a wrong belief. - "It doesn't really matter if I cut switchbacks." • Downplay one belief and highlight more important ones. - "Staying on the trail is actually easier on my legs & prevents eroded trails."

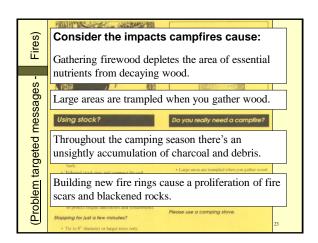




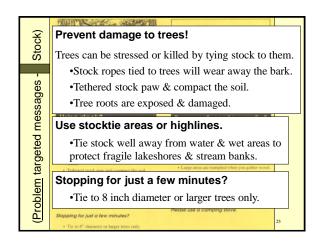


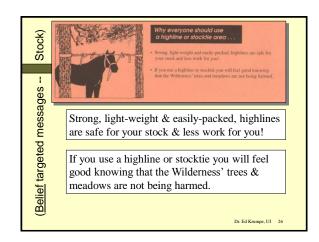


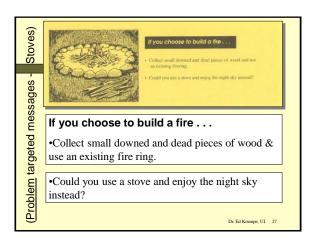


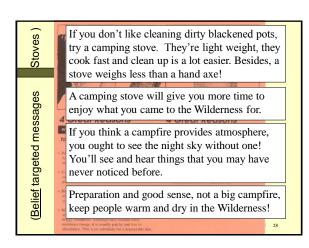










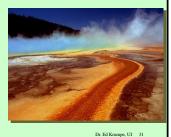




Pelletized feed is a dependable, high quality Feed) source of feed for your stock. It will keep your animals healthy and happy. Using light weight tents, stoves, & camping gear saves weight & leaves plenty of room to Belief targeted messages pack your pelletized feed. Big game animals depend upon the high mountain meadows. They can't pack in supplemental feed . . . but you can! High mountain meadows are very sensitive to grazing & hiking due to their short growing season & boggy conditions. Although they contain some nutritious forage, it is usually patchy & low in abundance. This is no substitute for a dependable diet.

Using Information to Disperse Backcountry Campers

 An experiment in Yellowstone to influence backpackers to take less-used trails.



BACKCOUNTRY TRAIL SELECTOR

- Information packet to redistribute users to the <u>less-used</u> backcountry trails in Yellowstone National Park.
- Information displayed as a dichotomous key to help people in their decision making process.
- A field experiment with treatment and control groups and post-test survey.

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BACKCOUNTRY TRAIL SELECTOR

- · Random sample of treatment days
- People randomly assigned to treatment or control
- Applied at all backcountry permit stations
- Trip route collected from permit data
- · Follow-up mail questionnaire

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BTS Results

Group Busy Trails Took BTS Trail

• Treatment 62.6% **37.4%**

• Control 86.3% 13.7%

- BTS influenced 23% to take less used trails.
- 83% would use BTS to plan next trip
- 39% showed it to someone else planning a Yellowstone backcountry trip

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When do Yellowstone backpackers select a trail?

- 38% decided on same day as their trip.
- 41% decided 1 day to 2 weeks before.
- Only 4% decided 2 weeks to 1 month before.
- 50%+ talked to a ranger first (1-3 days).
- BTS people had less experience in Yellowstone.
- 42% said BTS most influential source of info

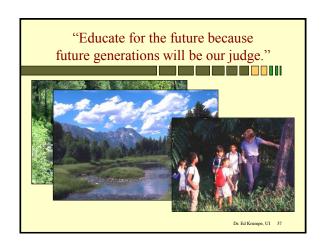
And...visitors brought BTS to Yellowstone for next 5 years!

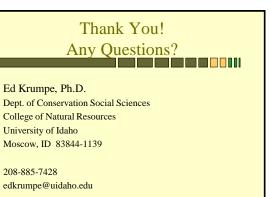
Conclusions about Using Information as a Management Tool

- Information is a useful management tool.
- Information is no "silver bullet!"
- Information should target beliefs pertinent or "salient" to the users.
- Information should be timely and useful.
- Don't make assumptions about effectiveness--

Evaluate behaviors, beliefs, and users!

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