Alliances for Science Cooperative Ecosystem Studies Unit (CESU) Host Institution Faint gray line represents CESU boundary Map Viewing Tips For best viewing results, the following strategies are suggested NPS Inventory & Monitoring Networks NPS units currently served by NPS Learning Centers (Funding from NPS Natural Resource Challenge) NPS units currently served by NPS Learning Centers (Funding from other sources) Research Learning Centers NPS units currently PROPOSED for an NPS Learning Center Cooperative Ecosystem Studies Units NPS units NOT currently served by NPS Learning Centers Focus on a geographic area. First orient your eye to a specific I&M network, state, NPS region, CESU boundary. Then explore the map features within that area. NPS Inventory & Monitoring Networks (shaded individually) The list of parks served by RLC's is a work in progress. Errors and ommissions are unintentional. Please suggest corrections to the National Coordinator for NPS Research Learning Centers. Leigh_Welling@nps_gov. Focus on the text type. Use your eye to pick out just one of the distinctive text labels. Then focus on the same type of text throughout the map. For example, to see NPS units not currently associated with a Research Learning Center, focus on the plain white text. The NPS Unit ID Database provided park names. Map projection: World Miller Cylindrical, GCS_WGS_84 Main Map Scale 1:7.000.000 Mount Rainier Rocky Mountain I&M Network and Cascades I&M Network Lewis and Clark RLC 8 Northern Great Plains I&M Network Great Lakes Pipestone RLC 27 Midwest Northeast Intermountain Pacific Boston Harbor Islands RLC 11 Cape Cod RLC 2 Region West Region Region Eastern Rivers and Region Mountains I&M Network Great Plains CESU Allegheny Portage Railroad Morristown RLC 11 RLC 22 RIC 4 Heartland I&M Network Plateau I&M Network National Capital Region (National Capital Region I&M Network) Florissant Fossil Bed RLC 4 Sierra Nevada I&M Network Great Sand Dune I&M Network Colonial RLC 23 Mid Atlantic Parkway RLCd I&M Network San Francisco Bay Pinnacle Area I&M Network Chaco Culture RLC 24 Southern Plains I&M Network I&M Network Sonoran Desert I&M Network 'Appalachian H I&M Network Region Southeast Coast Fort Federica RLC 9 [GM Network | Comberland Bland RLC 9 [Gmonth of RLC 9] Gulf Coast I&M Network Southeast Chihuahuan Desert Castillo de San Marcos RLC 9 Fort Matanzas RLC 9 South Florida It is hoped that the information and examples I here will foster further dialogue and innovat in new collaborations to address natural reso needs within the National Park Service. Planning and Implementing Science and Research Acquiring new knowledge about park resources and ecosystems is critical for making informed management decisions. To help accomplish this, parks must proactively plan and implement science and research strateges. Collaborative efforts to support parks in this process include research needs lists and catalogues, development of park research management operational guidelines, and small grant programs that encourage parkebased research, provide student opportunities, and help to meet high priority resource management pedra. Committed by Secretary Sec dentifying Research Needs in Acadia National Park: In 2006-2007 the Rocky Mountains CESU worked with the Schoodic Education and Research Center (SERC) to develop a Research Opportunities Catalog for Acadia National Park. The process included a series of workshops with park managers and Introduction Some innovative collaborations are emerging as programs established under the Natural Resource Challenge (NRC) seek the most efficient and effective mechanisms for increasing science-informed resource Other Active Research Learning Centers Benefits of these collaborations include increased data for The National Capital Region Network (NCRN), Urban Ecology Research Learning Alliance (UFRLA), and Integration and Application Network of the University of Maryland Center for Environmental Styling Advanced an integrated communicate data and information aboutvital signs monitoring and natural resource issues The framework will serve a broad community of scientists, managers and stakeholdersusing a dynamic, multimodal web interface for geographically and temporally referenced Acadia and coastal Maine. decision-making, reduced costs through leveraged funds; shared expertise and resources; enhanced communication with park managers; and better science information products for public audiences. This poster is a follow-up to the Collaboration across the Challenge Tehabi Interns Meet Park Needs and Gain Practical Experience: workshop held at the 2005 GWS meeting in Philadelphia. The map highlights existing relationships among three NRC programs (Research Learning Centers [RLCs], Inventory and Monitoring Networks [I&M], and Cooperative Ecosystem Studies Units [CESUs]) and to facilitate identification/discussion of future opportunities The following examples showcase existing collaborative projects between Natural Resource Challenge programs that serve to facilitate and communicate science and research in national parks.