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Charter

- Evaluate park ranger staffing in LRH, LRL, LRN, & LRP
- Compare numbers of park rangers to other MSCs
- Make staffing recommendations to improve mission accomplishment, including public safety



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Team

- Avis Kennedy, Nashville District, Team Leader
- Kareem El-Naggar, Great Lakes and Ohio River Division
- Michael Loesch, Great Lakes and Ohio River Division
- David Liagre, Louisville District
- Harold “Chip” Miller, Huntington District
- Cheryl Sorek, Pittsburgh District
- Pat Kline, Pittsburgh District
- Mike Cummings, Pittsburgh District



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Information Sources

- OMBIL
- Corps Water Related Fatalities National Database
- LRD Safety Office ENGLINK data



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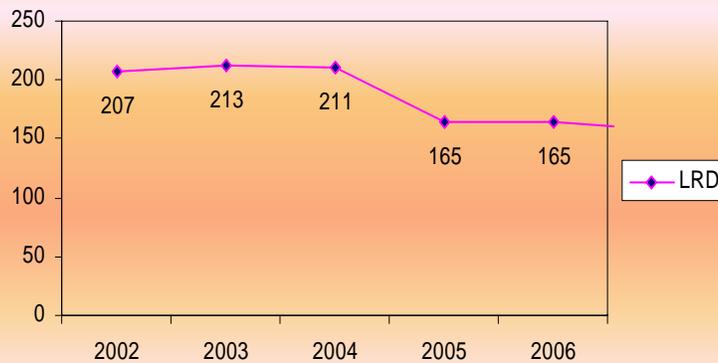


Team identified over 140 individual tasks in five major mission essential areas performed by rangers.



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LRD Ranger Staffing Decline

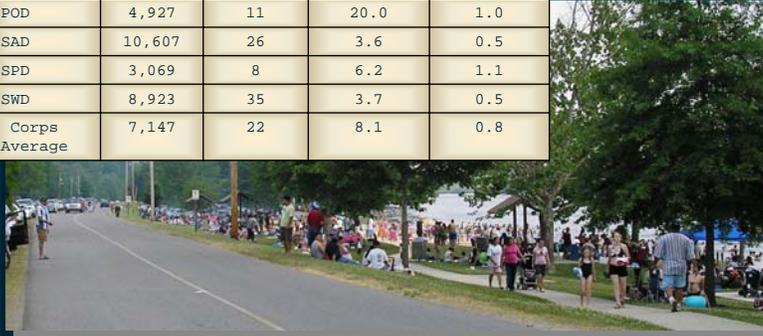




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Rangers vs. Workload

DIVISION	AREA PER RANGER	BOUNDARY LINE MILES PER RANGER	RANGERS PER MILLION VISITS	RANGERS PER CORPS MANAGED RECREATION AREAS
LRD	9,016	43	1.8	0.4
MVD	6,358	11	6.6	0.8
NAD	963	7	17.9	1.4
NWD	13,342	36	5.0	0.6
POD	4,927	11	20.0	1.0
SAD	10,607	26	3.6	0.5
SPD	3,069	8	6.2	1.1
SWD	8,923	35	3.7	0.5
Corps Average	7,147	22	8.1	0.8



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LRD Fatality Relevant Factors

- Male 90%
- Average Age 32
- Boating 48%
- Swimming 36%
- Of these, swimming in undesignated area 67%
- May – August 75%
- Fri – Sat – Sun 64%
- 1200 – 2000 hrs 52%
- Outgranted area 29%
- Not wearing PFD 93%



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How can rangers increase public safety?

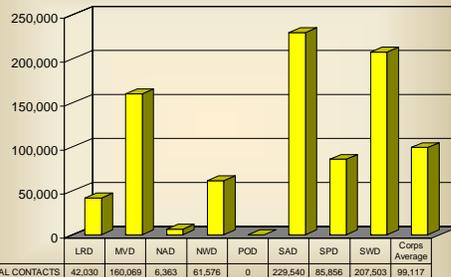
- Education
- Enforcement



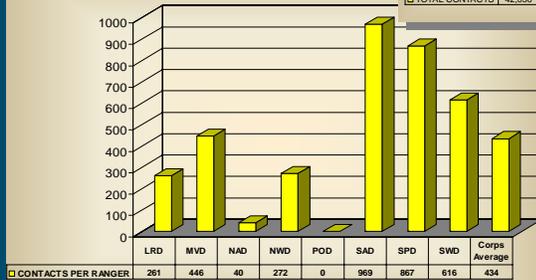
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Water Safety Contacts

TOTAL CONTACTS



CONTACTS PER RANGER





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Conclusions

- **Staffing is inadequate for mission-essential tasks**
- **Best “bang for the buck” staffing would enable increased enforcement and education**



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Alternatives

- **1. Basic – enables one 2-person boat patrol per large lake or group of small lakes.**
- **2. Recommended – provide additional leadership, planning, partnering, & educational contacts.**



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Rangers vs. Workload if Alternative 2 Implemented

DIVISION	AREA PER RANGER	BOUNDARY LINE MILES PER RANGER	RANGERS PER MILLION VISITS	RANGERS PER CORPS MANAGED RECREATION AREAS
LRD	5,376	26	3.0	0.7
MVD	6,358	11	6.6	0.8
NAD	963	7	17.9	1.4
NWD	13,342	36	5.0	0.6
POD	4,927	11	20.0	1.0
SAD	10,607	26	3.6	0.5
SPD	3,069	8	6.2	1.1
SWD	8,923	35	3.7	0.5
Corps Average	7,201	22	8.1	0.8



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Recommended Alternative

ADDITIONAL STAFFING EXPENDITURES			
	Rangers	Personnel Cost**	Equipment Cost
LRH	5F, 1P, 21T	\$837,368.00	\$100,000.00
LRL	11F, 18T	\$1,067,650.00	\$500,000.00
LRN	8F, 8P	\$939,714.24	
LRP	9F, 9P, 24T	\$1,067,650.50	\$145,000.00
Total	33F, 18P, 63T *	\$3,912,382.74	\$745,000.00

*In addition, it is recommended that 16 existing vacancies in two districts be filled.

**Includes basic pay, annual leave, other leave recovery, government contributions, general overhead, and indirect cost



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Visitor Safety Results

- Identification of safety enforcement and education goals
- Safety program planning
- Boat and shoreline patrol during peak visitation periods (summer weekends, holidays, afternoons, and evenings)
- Partnership efforts with state and other agencies
- Identification and improvement of unsafe conditions
- Enhanced, more accurate reporting
- Improved analysis of factors leading to accidents
- Better survey of safety hazards
- Outreach through media, and
- Personal contacts with visitors in recreation settings



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Additional Benefits

- A more positive image for the Corps
- Greater customer satisfaction
- Better succession planning
- Higher morale, and
- Improved protection of visitors, rangers, facilities and natural resources





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- **Corps' Recreation Recommended Program FY09**
 - \$5 million to hire 250 temporary rangers
- **Optimal Program FY09**
 - Additional \$3 million for 150 additional temporary rangers
- **400 total Corps-Wide**
- **Proposed distribution based on proportions of recreation budget would not help correct staffing inequities.**



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Comments from Chiefs of Operations

- **General concurrence with the team's results**
- **Current LRD staffing levels have resulted in decrease in time for discretionary tasks**
- **Support for public safety efforts**
- **Concern over lack of evidence on effectiveness of public safety efforts**
- **Concern that report blames district leadership for staffing reductions**



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Response

- Team recommends research on correlation between education/enforcement and fatality rates
- Staffing reductions go back 5 + years and result from variety of factors at national, MSC, district, and project levels
- Switch to Business Line Budget and shortcomings of RecBEST have contributed to staffing declines



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Thanks to Team Supporters

- Doug Archer, Louisville District
- Carolyn Bauer, Nashville District
- Ed Nicklow, Huntington District
- Paul Toman, Pittsburgh District
- Dena Williams, Nashville District



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