

TABLE OF CONTENTS

ABSTRACT	ii
ACKNOWLEDGMENTS	iv
LIST OF TABLES	viii
LIST OF FIGURES	ix
I. INTRODUCTION	1
Introduction	2
Justification for Research	5
Research Hypothesis	6
Delimitations	6
Limitations	6
Summary	7
II. REVIEW OF LITERATURE	8
Introduction	9
Definition of Stress Fracture	10
Anatomical Sites of Stress Fractures	12
Dramatic Changes in Training Routines	13
Stress Fractures in Freshmen Athletes	15
Diagnosis of Stress Fractures	15
Treatment of Stress Fractures	17
Risk Factors	19
Summary	21
III. METHODOLOGY	23
Selection of Subjects	24
Data Collection	24
Variables	24
Statistical Analysis	26
IV. RESULTS	27
Overall Injury Rates	28
Injuries Between and Within Academic Class	28
Anatomic Site	29
Injuries Between Sports	29
Point in Season	30
Relationships Between Variables	30
Days to Treatment	30
V. DISCUSSION	48
General Discussion	49
Conclusion	51
Suggestions for Future Research	52

VI. BIBLIOGRAPHY	54
VII. APPENDIX	58
Raw Data	59
VIII. VITA	60

LIST OF TABLES

Table		Page
1.	Relationships among the variables sport, class, site, and season.	43

LIST OF FIGURES

Figure		Page
1.	Incidence of injuries between each academic class	32
2.	Incidence of injuries within each academic class.	33
3.	Incidence of injury and anatomical site.	34
4.	Relationship between academic class and site of injury.	35
5.	Incidence of injuries between the sports according to site.	36
6.	Total injuries between the sports.	37
7.	Total injuries within each sport.	38
8.	Incidence of total stress fracture injuries between the sports.	39
9.	Incidence of injuries in each season.	40
10.	Incidence of injuries that occurred in each season for each sport.	41
11.	Relationship between site of injury and time of season.	42
12.	Days to treatment for pre and mid-season.	44
13.	Median days to treatment for each sport.	45
14.	Median days to treatment for each academic class.	46
15.	Median days to treatment for each site of injury.	47