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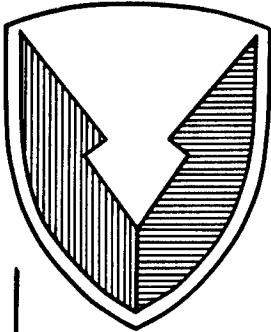
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# R D & E

## C E N T E R

### Technical Report



No. 13508

IMPROVED RIBBON BRIDGE TRANSPORTER

MOBILITY ASSESSMENT

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## TABLE OF CONTENTS

SECTION	PAGE
1.0. INTRODUCTION.....	7
1.1. <u>Background</u> .....	7
1.2. <u>Mobility Scenario</u> .....	7
2.0. OBJECTIVE.....	7
3.0. CONCLUSIONS.....	9
4.0. RECOMMENDATIONS.....	9
5.0. DISCUSSION.....	10
5.1. <u>NATO Reference Mobility Model (NRMM)</u> .....	10
5.2. <u>Results</u> .....	12
Appendix A WHEELS STUDY DEFINITIONS.....	A-1
Appendix B TERRAIN FEATURES DISTRIBUTION.....	B-1
Appendix C NRMM RESULTS.....	C-1
Appendix D VEHICLE CHARACTERISTICS.....	D-1
Appendix E RANK ORDER OF VEHICLES ANALYZED.....	E-1
DISTRIBUTION LIST.....	Dist-1



LIST OF TABLES

SECTION	PAGE
4-1.. TRUCK AND TRUCK/TRAILER CONFIGURATION CHARACTERISTICS .	11
4-2.. NRMM PERCENT NO-GO CROSS-COUNTRY .....	11
4-3.. NRMM MOBILITY RATING SPEEDS (MPH) RESULTS .....	11



## 1.0. Introduction

### 1.2. Background

The System Simulation & Technology Division, RDE Center, U.S. Army Tank-Automotive Command (TACOM) was tasked by the U.S. Army Belvoir, Research, Development and Engineering Center (BRDEC), Ft. Belvoir to perform a mobility study for the proposed Improved Ribbon Bridge (IRB) to be carried on the Heavy Expanded Mobility Tactical Truck (HEMTT) and subsequently the Palletized Loading System truck (PLS), Palletized Loading System trailer (PLST) and truck/trailer (PLS/PLST). At the time of the tasking, the Source Selection Evaluation Board (SSEB) of the PLS candidates was ongoing. It was agreed that the trailer of the generic PLS system (the system used to generate the PLS performance system specifications) would be used instead. However, during the course of the IRB mobility study, the PLS competition was decided, and thus, the winning PLS truck and trailer system were used for the study. In addition, a comparison with the fully loaded HEMTT/ Heavy Expanded Mobility Ammunition Trailer (HEMAT) truck/trailer combination was included for the study.

The prime movers and trailers which transport the current Ribbon Bridge (RB) system carry both ramp bay sections and interior sections. These sections vary in volume and weight. The weight differences among the current RB ramp bays, interior bays and the proposed IRB ramp bays and interior bays are a maximum of 14%. Resolution of the NATO Reference Mobility Model (NRMM) is such that a 15% weight difference results in a 10% difference in mobility where weight issues have an impact. For example, the influence of weight is certainly an issue between wet and dry seasons in West Germany but not in the Middle East. The combinations of ramp bays and interior bays to be carried by both prime movers and trailers for the RB and IRB are eight. In order to observe any perceptible differences in mobility among the IRB and RB carriers and the baseline HEMTT vehicle, only the heaviest variant combination was considered. This combination includes one IRB interior bay carried on a prime mover and one on a trailer.

The IRB interior bay happens to be the largest structure carried in terms of both weight and volume. In fact, the IRB interior bay, when positioned on the HEMTT, extends 60 inches beyond the pintle of the HEMTT. Trailer and turning interferences notwithstanding, this variant configuration will exhibit the greatest possibility for discrete obstacle (mounds and trenches) interferences. Thus, the IRB interior bay structure payload should provide the poorest configuration for mobility in terms of both weight and geometry.

### 1.2. Mobility Scenario

The scenario used for the IRB carrier system mobility analysis conforms to the Required Operational Capability (ROC) established for the PLS. Based on three levels of Tactical mobility established from the Office of the Secretary of Defense (OSD) Land Mobility Technology Coordinating Paper, 1974, and quantified in the WHEELS Study, also 1974, and the subsequent Training and Doctrine Command (TRADOC) Scenario-Oriented Recurring Evaluation System (SCORES) scenarios established for model studies, the Tactical Standard Level of Mobility was selected. The Tactical Standard Level of Mobility is quantified in terms of NRMM. This quantification identifies a mission profile in terms of distances to be travelled on a particular terrain type. For Western Europe, the distance distribution comprises 20% on primary roads, 50% on secondary roads, 15% trails and 15% cross-country. For the Middle East, these percentages are: 15% primary roads, 35%

secondary roads, 35% trails and 15% cross-country. The sparse road net in the Middle East dictates the utilization of trails more frequently than primary and secondary roads.

Tactical Standard Mobility requires that the the vehicle be capable of attacking 100% of all road surfaces (that is with no immobilizations on any road surface) and 80% of the cross-country terrain (permitting up to a maximum of 20% NO-GO, or area denied due to immobilizations). With these definitions of mission profile in terms of the distance distribution of terrain types to be traversed for the life of the vehicle (in a given geographic area) and the percent of those terrain types which must be attacked, an overall average speed for the geographic area and specific environmental conditions can be developed. This average mission speed is called the "Mobility Rating Speed" and is defined in Appendix A.

The environmental conditions, which have been established as being of interest by the TRADOC community, are the following:

- West Germany Dry Season - For an average rainfall year, the driest 30 day period.
- West Germany Wet Season - For an average rainfall year, the wettest 30 day period.
- West Germany Snow - Ten inches of snow uniformly distributed over frozen ground. Primary road surfaces are dry, secondary roads and trails are snow covered.
- Middle East Dry - same as West Germany Dry.
- Middle East Sand - The Middle East terrain transect slopes, soil strength are modified to reflect an all-sand surface. This is a "study" scenario terrain transect created from the existing Middle East terrain transect and does not represent a specific geographic area.

The terrain transects used for the IRB study were those used to generate the system performance specifications for the PLS. Both terrain transects were developed from standard Army quad map sheets. The West German terrain transect quad sheet is called LAUTERBACH, located northwest of the Fulda gap region. It has been the standard quad sheet used for NRMM mobility studies, since this area represents the weakest soil strength region during the wet season. An alternative quad sheet terrain transect, which has been extensively used, is the FULDA quad sheet. The PLS requirements were developed using LAUTERBACH, due to the concern for the soft soil performance of such a heavy wheeled prime mover as the PLS (GVW of 80,000 lbs.) The Middle East terrain transect was developed from a quad sheet near Amman, Jordan. It has been the standard NRMM terrain transect for mobility studies in the Middle East for the past 15 years. The West German quad LAUTERBACH, is approximately 214 square miles in area. The Middle East quad, MAFRAQ, is approximately 102 square miles in area. The general description of these two terrain transects are as follows:

- LAUTERBACH is relatively flat with weak soil strength in the wet season. It is forested (as are most regions studied in Western Europe), has a moderate surface roughness, obstacles are predominantly trenches as opposed to mounds. Since the terrain is essentially farmland, the micro-obstacles are mostly row crops.

- MAFRAQ on the other hand has very strong soil, is relatively flat, but is an extremely rough piece of real estate covered with rocks, boulders and trenches. The Middle East Sand terrain transect is a modification of MAFRAQ. It is characterized by all-sand terrain units, with reduced soil strength compared to the original MAFRAQ soil strength; no obstacles; and slopes double those of MAFRAQ.

Terrain feature distributions are shown in Appendix B.

## 2.0. Objective

The objective of this study was to compare the mobility of the IRB carrier system, employing the NRMM, with vehicles in the same weight class conforming to the Tactical Standard Level of Mobility as defined in the ROC for the PLS.

## 3.0. Conclusions

The IRB carrier system, whether it is the HEMTT or HEMTT w/PLST, carrying IRB components, or the PLS or PLS/PLST carrying IRB components surpassed the global mobility of the baseline HEMTT and HEMTT/HEMAT truck and truck-trailer combinations as defined by Tactical Standard Level of Mobility and quantified by the NRMM. The HEMTT w/IRB and PLS w/IRB surpassed the baseline HEMTT w/payload, and the IRB truck/trailer combinations (HEMTT w/PLST and PLS w/PLST) surpassed the baseline truck/trailer (HEMTT/HEMAT) w/payloads combinations in both Mobility Rating Speed (MRS) and allowable percent NO-GO in both the Western Europe and Middle East terrain transects. The PLS w/IRB and the PLS/PLST w/IRB were the superior truck and truck/trailer combinations. A ranking of all the vehicle systems analyzed is provided in Appendix E.

The inherent lighter payload of the IRB system (7 tons maximum) vs the heavier payload of the baseline vehicles (11 tons for HEMTT and 16.5 tons for PLS) negate the extreme geometry of the IRB payload (126 inch widths and 60 inches of overhang) in terms of overall cross-country mobility. Since the on-road module of the NRMM is insensitive to exaggerated geometry of the vehicle combination, issues regarding truck/trailer interferences with either themselves or highway appurtenances were not addressed.

## 4.0. Recommendations

The global performance of the PLS w/IRB components is superior to any truck or truck/trailer combination. Its global performance in the region of prime interest, West Germany, however, exceeds that of the HEMTT w/IRB by less than 10% (MRS and percent NO-GO). If no truck/trailer combination is to be considered as part of the IRB carrier system then the HEMTT w/IRB looms as a cost effective combination for transporting IRB components. The singular drawback to this IRB carrier system is its relatively low payload/weight ratio of 0.26 (Table 4-1.).

Of the truck/trailer combinations, the PLS/PLST w/IRB components is noticeably better than the HEMTT w/PLST and IRB components in all areas of global mobility. However, there are two significant aspects of the HEMTT w/PLST worth noting that suggest to the sponsor that the HEMTT w/PLST might be a more cost effective choice. The payload to weight ratio of the HEMTT w/PLST w/IRB components of .32 is comparable to that of the baseline HEMTT (.35) whereas the PLS/PLST w/IRB payload to weight ratio is .27 (Table

4-1.). Secondly, the percent NO-GO of the HEMTT w/PLST carrying IRB components in the West German wet season equals the requirement for the PLS truck with its standard 16.5 ton payload (34% NO-GO). The PLS/PLST w/IRB components does significantly surpass the HEMTT w/PLST w/IRB components NO-GO performance in the critical West German wet season scenario (31% less NO-GO, Table 4-2.). However, this is the only scenario of the five where the NO-GO differences are significant. In order to be cost-effective, the PLS/PLST carrier system would require greater differences in percent NO-GO than are shown for the other scenarios in Table 4-2.

Tactical Standard Level of Mobility was developed with prime movers as the principal target vehicle configuration for transporting payloads. Tactical Support Level of Mobility target vehicle configurations are truck/trailer and truck/semi-trailer combinations. The ability of a vehicle configuration to sustain less than 20% NO-GO in any given environmental scenario derives from this policy. Consequently, the fact that all of the truck/trailer configurations exceed 20% NO-GO, in all but the best environmental scenario (dry), leads to the recommendation that the truck/trailer combination operational scenario avoid regions where traction (wet soil, snow or sand) may become an issue. Soil strengths in the immediate vicinity of river banks fall into this category. It is recommended that the full truck/trailer combination avoid the immediate vicinity of river and stream banks for deployment of the IRB components.

## 5. Discussion

NRMM is a large-scale digital simulation model which predicts the global performance of a vehicle system operating in a specified geographic area for a given environmental scenario. It is predominantly an automotive performance model with a few upper bounds dictated by observed human performance. The measures of performance are two quantities. One is called the Mobility Rating Speed (MRS) and the other is the percent NO-GO. These two measures enable the user to compare vehicle systems' global performance, conforming to a mission profile specified in the ROC.

The MRS is developed for a particular mission profile (Appendix A). The mission profile designated for the PLS, Standard Tactical Level of Mobility, was chosen since the IRB carrier system is intended to transition from HEMTT's as the prime mover to the PLS prime mover and trailer. The other measure of performance, the percent NO-GO, identifies the area denied to the vehicle due to immobilizations. The output of NRMM is a plot of cumulative average speed vs percent of the geographic area with a tabular output of speeds and the percent NO-GO. In addition, there is a diagnostic table identifying the reasons for NO-GOs and also the reason that vehicle speed was limited in that particular terrain unit.

TABLE 4-1.  
TRUCK AND TRUCK/TRAILER CONFIGURATION CHARACTERISTICS

<u>VEHICLE</u>	<u>WHEELS</u>	<u>WEIGHT IN POUNDS</u>					<u>VCI</u>
		<u>GCW</u>	<u>TRUCK</u>	<u>TRAILER</u>	<u>HP/TON</u>	<u>PL/WT</u>	
HEMTT	8X8	62250	62250		14.3	0.35	33
HEMTT W/IRB	8X8	52540	52540		16.9	0.26	29
HEMTT-PLST W/IRB	14X8	83920	52540	31380	10.6	0.32	34
HEMTT-HEMAT	12X8	82420	52540	29880	10.8	0.53	42
PLS W/IRB	10X10	66654	66654		15.0	0.20	24
PLS-PLST W/IRB	16X10	98034	66654	31380	10.2	0.27	31
PLS-PLST STD	16X10	137235	86255	50980	7.3	0.48	39

TABLE 4-2.  
NRMM PERCENT NO-GO CROSS-COUNTRY

<u>VEHICLE</u>	<u>WEST GERMANY</u>			<u>MIDDLE-EAST</u>	
	<u>DRY</u>	<u>WET</u>	<u>SNOW</u>	<u>DRY</u>	<u>SAND</u>
HEMTT	3.9	21.6	14.2	12.2	20.0
HEMTT W/IRB	3.9	10.2	14.8	12.0	18.3
HEMTT-PLST W/IRB	17.5	34.3	26.2	18.2	33.9
HEMTT-HEMAT	16.0	58.9	25.6	16.0	33.8
PLS W/IRB	3.7	7.3	14.1	3.1	10.6
PLS-PLST W/IRB	15.9	23.6	24.8	18.2	29.0
PLS-PLST STD	28.8	64.8	37.0	23.8	39.2

TABLE 4-3.  
NRMM MOBILITY RATING SPEEDS (MPH) RESULTS

<u>VEHICLE</u>	<u>WEST GERMANY</u>			<u>MIDDLE-EAST</u>	
	<u>DRY</u>	<u>WET</u>	<u>SNOW</u>	<u>DRY</u>	<u>SAND</u>
HEMTT	14.3	8.0	12.6	13.9	12.8
HEMTT W/IRB	14.5	12.9	13.8	14.1	13.8
HEMTT-PLST W/IRB	12.9	2.9	5.1	13.2	3.0
HEMTT-HEMAT	12.8	1.3	5.0	13.0	3.0
PLS W/IRB	15.4	14.0	14.7	17.2	16.0
PLS-PLST W/IRB	14.3	6.4	6.5	16.0	4.6
PLS-PLST STD	4.2	1.1	2.5	6.4	2.2

## 5.1 NATO Reference Mobility Model (NRMM)

The following is a discussion of the output from the NATO Reference Mobility Model. Analysis of this output will provide an understanding of the mobility capabilities of the vehicle. In order to better understand this output, the following explanation is provided.

Refer to the output for the HEMTT (Appendix C) for the following description of the NRMM output. The first section contains two tables of numbers and a graphical representation of the two tables for a vehicle operating in a given geographical area. The tables are organized to show a speed for each 2% of accumulated area and arranged in decreasing order of speed from the least to the most difficult terrain unit. The first 2% of area is represented by the speed in the upper left corner of the table and increasing by 2% from left to right and then down. The first table, which is titled "SPEED IN UNIT" represents the maximum speed within a terrain unit whose area contributes to the given percentage of area. On page C-6 looking at the first number under the X=0, one finds 22.8. This means that the maximum speed within the least difficult 2% of the area is 22.8 mph. The next number under the 2 is 22.4 mph, which represents the maximum speed in the next best 2% of the area. The second table, which is titled "AVERAGE SPEED," represents the average speed for the given accumulated area. The speed under the X=0 represents the average speed in the first 2% of the area. The next speed represents the average of the speed for 4% of the area and so on. If one wants to know the average speed in the best 50% of the area, one looks at the number next to the 5X, which is 17.1 mph. This value represents the average of the speeds within the least difficult 50% of the area, which shows the highest speed, in the top chart is 22.8 mph.

An important number which is shown on this output, just below the graph, is the NO-GO percent of area. The output for the HEMTT shown on page C-6 this is 3.88. This value indicates that 3.88% of the terrain is denied to the vehicle because immobilizations would occur in those areas.

The next section of the output are diagnostics. The first set of diagnostics are factors which limit speed within terrain units that the vehicle was able to cross. There are nine different factors which can limit vehicle cross-country speed:

- **RIDE** represents an evaluation of the vehicle dynamic characteristics. It is represented by the absorbed power at the driver station over continuous surface roughness and the 2.5 g's vertical acceleration limit over obstacles.
- **TIRE CONST** This is a speed limit imposed for the purpose of assuring that the tires will not destruct while operating at a given inflation pressure and load.
- **POWER/RES** The speed is limited by the available power of the propulsion system and resistance due to soil and slope.
- **VISIBILITY** Speed limited by visibility is based on the driver's ability to detect obstructions (logs, ditches) in time to brake the vehicle such that when contacting the obstruction he experiences no more than 1 g horizontal acceleration. This is a limitation of how far the driver can see in front and changes with the seasons (foliage on trees).
- **MANEUVER (Around)** This represents the speed which will allow a vehicle to maneuver around obstacles, large trees and override small vegetation.

- **MANEUVER (Over)** This represents the speed which will allow a vehicle to override obstacles and small vegetation and maneuver around large trees.
- **OBS IMPACT** This speed represents the 1 g horizontal impact limit to the driver in contacting trees.
- **OBS FORCE** This represents a speed which is limited by the force that is required to overcome an obstacle.
- **DRVR.PRDNC** This represents a speed which the driver will use to limit the speed within a terrain unit due to vegetation. A driver will always drive as fast as he can walk, regardless of his visibility restriction. Also a driver will not choose to override large trees which he deems imprudent to do.

The second set of diagnostics represent the reasons that cause a NO-GO within a terrain unit. There are six factors which will cause a NO-GO within a terrain unit:

- **NO BRAKING** The model will not permit a vehicle to slide down a slope if there is insufficient traction.
- **SOIL/SLOPE** Either the vehicle cannot develop sufficient tractive force to overcome the soil characteristics or slope within a terrain unit or the soil/slope motion resistance exceeds the available drawbar pull.
- **OBS INTRF** The obstacle within the terrain unit cannot be overcome because of physical interferences.
- **BELLY HANG-UP** The suspension and/or axles interfere with the obstacle.
- **VEGETATION** Vegetation is too large or too dense for the vehicle to knock over or maneuver around respectively.
- **OBS FORCE** The amount of force required to overcome an obstacle is greater than the available tractive effort available.

## 5.2.. Results

The baseline vehicles comprise both prime movers and truck/trailer combinations. As was noted in the background discussion, the primary difference between the baseline HEMTT with payload and the HEMTT and PLS with an interior bay IRB section, is the payload weight and size (Table 4-1.). Scenarios in which the above vehicle characteristics impact the performance are the West Germany wet and snow seasons and the Mideast sand scenario. This is evidenced by the differences in MRS and percent NO-GO as seen in Table 4-2. and 4-3. for these two prime movers.

The remainder of the configurations are truck/trailer combinations. The baseline truck/trailer combination, HEMTT/HEMAT, demonstrated poorer performance than any of the IRB truck/trailer combinations. The MRS of the HEMTT/HEMAT are less than any of the IRB combinations except the PLS/PLST with standard payload in the West Germany

wet season. It must be noted that the PLS/PLST with standard payload is 54995 lbs. heavier than the baseline HEMTT/HEMAT (Table 4-1.).

Some particular features of the PLS and PLS/PLST must be noted in comparing both its MRS and percent NO-GOs with those for the baseline HEMTT/HEMAT truck/trailer, the HEMTT w/IRB and the HEMTT w/PLST and IRB. The PLS truck has a 500 gross horsepower engine compared to the 445 gross horsepower of the HEMTT truck. Table 4-1. shows the comparison of weights and gross horsepower per ton (hp/ton) for all the configurations. Note that all of the truck/trailer combinations (excepting the standard PLS/PLST) have nearly the same hp/ton. On the basis of hp/ton, one would expect comparable performance especially in terms of MRS. This is true when comparing the baseline HEMTT/HEMAT with the HEMTT w/PLST and IRB. In the case of the PLS/PLST w/IRB the MRS are higher since the ride quality of the PLS is superior to that of the HEMTT truck (see NRMM output diagnostics, Appendix C).

The percent NO-GO results are discussed next. A definition of how to accommodate the calculation of MRS for the Tactical Standard Level of Mobility when the percent NO-GO exceeds 20% is required. Recall that the Tactical Standard Level of Mobility requires that the vehicle be capable of attacking 80% of the terrain. When the percent NO-GO exceeds 20%, there no longer is a non-zero V80 speed available for the MRS calculation. In this case, those terrain units which contributed to NO-GOs up to the 80% cumulative percent area are assigned a speed of 0.1 mph. The decision to account for these NO-GO terrain units in this manner was made based on an assumed time required to retrieve an immobilized vehicle. The fact that the allowable percent NO-GO is exceeded for the Tactical Standard Level of Mobility demands that the vehicle be penalized. Note in Table 4-3. that the low MRS for both the PLS/PLST w/IRB and the HEMTT/HEMAT in the West German wet season scenario is attributed to the excessive percent NO-GO in Table 4-2. (64.8% and 58.9% respectively). Furthermore, the Army mobility modeling community (TACOM and Waterways Experiment Station (WES)) considers that any vehicle with 50% or greater NO-GO should not operate off-road.

Soft soil performance is directly a function of running gear characteristics, namely tire size, tire deflection ratios, axle loads, number of powered axles, number of tires per axle and several lesser parameters of engine and transmission. However, the most influential characteristic is vehicle weight with tire deflection ratio a close second. The superiority of the HEMTT w/IRB over the baseline HEMTT in the West German wet season, in terms of percent NO-GO, is exclusively due to the the differences in gross weight.

The measure of a vehicle's soft soil performance is a quantity called the Vehicle Cone Index (VCI). When the soil strength quantity called the Rating Cone Index (RCI) is equal to the vehicle quantity (VCI) then the vehicle can make a single pass in soil with that RCI value without becoming immobilized. Therefore the smaller the VCI for a vehicle, the weaker the soil the vehicle can negotiate without becoming immobilized. From Table 4-1., it is seen that the PLS w/IRB has the lowest VCI of any of the vehicle configurations analyzed. Note that this is true even though the GVW of the PLS w/IRB is 14114 lbs. heavier than the HEMTT w/IRB. It should be noted that the PLS has a Central Tire Inflation System (CTIS) which enables the operator to deflate the truck tires, permitting tire deflection ratios which lower the VCI and enhance the soft soil mobility in fine grained (clays) and coarse grained (sands) soils. With its CTIS, the PLS can operate at much higher deflection ratios (35%) than the HEMTT (18%) in the cross-country wet, snow and sand season scenarios.

Among the truck/trailer configurations, the PLS/PLST w/IRB has the best overall percent NO-GO for all the scenario conditions. The baseline HEMTT/HEMAT has the poorest. As is the case for the PLS w/IRB, the presence of the CTIS on the truck enables the operator to reduce the truck tire inflation pressures to enhance the soft soil mobility in both fine grained and coarse grained soils for the PLS/PLST w/IRB. Note, however, that this feature is present on the PLS truck only and not the trailer. In addition to the CTIS on the PLS truck, note that the PLS/PLST is a 16x10 (8 axles, 5 powered and 3 unpowered), whereas the HEMTT/HEMAT is an 12x8 (6 axles, 4 powered and 2 unpowered) and the HEMTT/PLST is an 14x8 (7 axles, 4 powered and 3 unpowered axles). It is significant to note the trailer weights are comparable (Table 4-1.) and that the PLST carries that weight on three axles, whereas the HEMAT load is carried on two axles. These characteristics of the PLS/PLST inherently contribute to better soft soil NO-GO performance in the wet, snow and sand scenarios as evidenced by the results shown in Table 4-2.



APPENDIX A  
WHEELS STUDY DEFINITIONS



Preliminary Quantification of WHEELS Study Definitions of Tactical Mobility

<u>Mobility Level</u>	<u>Operating Distance</u>		<u>Severity of Operation</u>	
	<u>Off-Road Percent</u>	<u>On-Road* Percent</u>	<u>Off-Road* Percent of Terrain Challenged</u>	<u>On-Road Percent of Trails Included</u>
<u>High-high mobility**</u> All off-Road operation	100	0	100	
<u>Tactical high mobility</u> The highest level of mobility designating the requirement for extensive cross-country maneuverability characteristic of operations in the ground-gaining and fire-support environment	50	50	90	100
<u>Tactical standard mobility</u> The second highest level of mobility designating the requirement for occasional cross-country movement	15	85	80	100
<u>Tactical support mobility</u> A level of mobility designating the requirement for infrequent off-road operations over selected terrain with the preponderance of movement on primary and secondary roads	5	95	50	50
<u>On-road mobility**</u> All on superhighways, primary and secondary roads, and the best tertiary roads and trails	0	100		10

\* In terms of percentage of best off-road terrain to be challenged (off-road speed profile).  
 \*\* NOT a WHEELS Study definition.

Mobility Rating Speed = 100

(MRS)  $\frac{\% \text{Primary} + \% \text{Secondary} + \% \text{Trails} + \% \text{Off-Road} + \% \text{Off-Road} * \text{TP}_{\text{scenario}}}{Vx \text{ Primary } Vx \text{ Secondary } Vx \text{ Trails } Vx \text{ Off-Road}}$  \*

WEST GERMANY

	HIGH HIGH	TACTICAL HIGH	TACTICAL STANDARD	TACTICAL SUPPORT	ON ROAD
% Primary	0	10	20	30	35
Vx	-	100	100	100	100
% Secondary	0	30	50	55	60
Vx	-	100	100	100	100
% Trails	0	10	15	10	5
Vx	-	100	100	50	10
% Off-Road	100	50	15	5	0
Vx	100	90	80	50	0

TIME PENALTY

TPdry	.101	.101	.101	.101	.101
TPwet	.109	.109	.109	.109	.109
TPsnow	.106	.106	.106	.106	.106

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\* Time Penalty associated crossing linear features (Rivers, Streams)

MIDDLE-EAST

	HIGH HIGH	TACTICAL HIGH	TACTICAL STANDARD	TACTICAL SUPPORT	ON ROAD
% Primary	0	5	15	20	30
Vx	-	100	100	100	100
% Secondary	0	20	35	40	40
Vx	-	100	100	100	100
% Trails	0	25	35	35	30
Vx	-	100	100	80	50
% Off-Road	100	50	15	5	0
Vx	100	90	80	50	0

TIME PENALTY

TPdry	.025	.025	.025	.025	.025
TPwet	.032	.032	.032	.032	.032
TPsand	.026	.026	.026	.026	.026



APPENDIX B

TERRAIN FEATURES DISTRIBUTION



The following tables show the distribution of terrain features of the different terrain transects that were used for the mobility evaluation. The table lists the terrain feature type such as SOIL TYPE, RMS ROUGHNESS, SLOPE, ETC. For each terrain feature there is a range for the feature, the number of terrain units which have that range, the total number of sq. miles for the terrain units and the percent of the total area for this particular range of the terrain feature. As an example looking at the list for RMS ROUGHNESS, line number 1 on page B-3 represents surface roughness of from 0.0 to .5 in RMS. There are 838 terrain units have this surface roughness range. These terrain units have a total area of 63.38 sq miles. These terrain units represent 31.3% of the total area. By reviewing these tables the overall character of the terrain can be determined. Comparing the RMS ROUGHNESS for Germany and Middle East we can see that Middle East has more terrain units with higher roughness values.

Table 1 Germany, Lauterbach

EFOSS QUAD L5322  
 NUMBER OF UNITS 2675 TOTAL AREA 202.54

TYPE TITLE NO. OF UNITS SURFACE AREA % OF TOTAL  
 AREA

SOIL TYPE

FINE-GRAINED	2582	197.00	97.3
COARSE-GRAINED	0	0.00	0.0
MUSKEG	0	0.00	0.0
CH	93	5.55	2.7

RMS ROUGHNESS (INCHES)

1	0.0 - 0.5	838	63.38	31.3
2	0.6 - 1.0	983	80.50	39.7
3	1.1 - 1.5	589	43.07	21.3
4	1.6 - 2.0	158	9.67	4.8
5	2.1 - 2.5	69	4.34	2.1
6	2.6 - 3.0	31	1.16	0.6
7	3.1 - 5.0	7	0.45	0.2

SLOPE (PERCENT)

1	1. - 2.	278	18.28	9.0
2	3. - 5.	372	36.62	18.1
3	6. - 10.	1032	97.17	48.0
4	11. - 25.	297	20.29	10.0
5	26. - 50.	357	18.20	9.0
6	51. - 60.	109	4.71	2.3
7	61. - 70.	125	3.91	1.9
8	71. - 90.	80	2.82	1.4
9	91. - 200.	25	0.57	0.3

SOIL STRENGTH (RCI) DRY SEASON

1	4. - 9.	0	0.00	0.0
2	10. - 15.	0	0.00	0.0
3	16. - 24.	0	0.00	0.0
4	25. - 31.	0	0.00	0.0
5	32. - 39.	0	0.00	0.0
6	40. - 59.	0	0.00	0.0
7	60. - 99.	12	0.94	0.5
8	100. - 159.	15	1.46	0.7
9	160. - 219.	0	0.00	0.0
10	220. - 279.	373	36.92	18.2
11	280. - 400.	2275	163.22	80.6

Table 1 Germany, Lauterbach (cont)

	SOIL STRENGTH	(RCI)	AVERAGE	SEASON
1	4. - 9.	0	0.00	0.0
2	10. - 15.	0	0.00	0.0
3	16. - 24.	0	0.00	0.0
4	25. - 31.	0	0.00	0.0
5	32. - 39.	0	0.00	0.0
6	40. - 59.	0	0.00	0.0
7	60. - 99.	27	2.41	1.2
8	100. - 159.	112	11.78	5.8
9	160. - 219.	1353	106.96	52.8
10	220. - 279.	806	59.25	29.3
11	280. - 400.	377	22.16	10.9

	SOIL STRENGTH	(RCI)	WET	SEASON
1	4. - 9.	0	0.00	0.0
2	10. - 15.	0	0.00	0.0
3	16. - 24.	1	0.01	0.0
4	25. - 31.	9	0.90	0.4
5	32. - 39.	692	56.53	27.9
6	40. - 59.	794	69.14	34.1
7	60. - 99.	398	28.46	14.1
8	100. - 159.	298	17.40	8.6
9	160. - 219.	3	0.27	0.1
10	220. - 279.	230	15.15	7.5
11	280. - 400.	250	14.71	7.3

	SOIL STRENGTH	(RCI)	WET, WET	SEASON
1	4. - 9.	0	0.00	0.0
2	10. - 15.	0	0.00	0.0
3	16. - 24.	3	0.09	0.0
4	25. - 31.	9	0.85	0.4
5	32. - 39.	785	66.71	32.9
6	40. - 59.	762	62.32	30.8
7	60. - 99.	426	30.90	15.3
8	100. - 159.	210	11.83	5.8
9	160. - 219.	0	0.00	0.0
10	220. - 279.	230	15.15	7.5
11	280. - 400.	250	14.71	7.3

Table 1 Germany, Lauterbach (cont)

		VISIBILITY	(FEET)	JAN, FEB, MAR	
1	0. - 1.	0		0.00	0.0
2	2. - 4.	0		0.00	0.0
3	5. - 8.	0		0.00	0.0
4	9. - 14.	0		0.00	0.0
5	15. - 18.	0		0.00	0.0
6	19. - 28.	86		10.39	5.1
7	29. - 77.	1353		107.57	53.1
8	78. - 163.	721		50.68	25.0
9	164. - 200.	158		9.29	4.6
10	201. - 330.	357		24.62	12.2

		VISIBILITY	(FEET)	APR, MAY, JUN	
1	0. - 1.	0		0.00	0.0
2	2. - 4.	0		0.00	0.0
3	5. - 8.	0		0.00	0.0
4	9. - 14.	0		0.00	0.0
5	15. - 18.	29		1.38	0.7
6	19. - 28.	309		24.21	12.0
7	29. - 77.	1720		135.07	66.7
8	78. - 163.	373		24.57	12.1
9	164. - 200.	73		4.44	2.2
10	201. - 330.	171		12.90	6.4

		VISIBILITY	(FEET)	JUL, AUG, SEP	
1	0. - 1.	0		0.00	0.0
2	2. - 4.	0		0.00	0.0
3	5. - 8.	0		0.00	0.0
4	9. - 14.	0		0.00	0.0
5	15. - 18.	29		1.38	0.7
6	19. - 28.	309		24.21	12.0
7	29. - 77.	1720		135.07	66.7
8	78. - 163.	373		24.57	12.1
9	164. - 200.	73		4.44	2.2
10	201. - 330.	171		12.90	6.4

		VISIBILITY	(FEET)	OCT, NOV, DEC	
1	0. - 1.	0		0.00	0.0
2	2. - 4.	0		0.00	0.0
3	5. - 8.	0		0.00	0.0
4	9. - 14.	0		0.00	0.0
5	15. - 18.	0		0.00	0.0
6	19. - 28.	86		10.39	5.1
7	29. - 77.	1353		107.57	53.1
8	78. - 163.	721		50.68	25.0
9	164. - 200.	158		9.29	4.6
10	201. - 330.	357		24.62	12.2

Table 1 Germany, Lauterbach (cont)

		OBSTACLE WIDTH (INCHES)		
1	0. - 0.	1225	92.78	45.8
2	1. - 20.	314	22.50	11.1
3	21. - 35.	490	35.53	17.5
4	36. - 50.	645	51.73	25.5
5	51. - 75.	1	0.02	0.0
6	76. - 150.	0	0.00	0.0
7	151. - 250.	0	0.00	0.0
8	251. - 400.	0	0.00	0.0
9	401. - 500.	0	0.00	0.0
10	501. - 600.	0	0.00	0.0
11	601. - 700.	0	0.00	0.0

		OBSTACLE HEIGHT (INCHES)		
1	0.0 - 0.0	1225	92.78	45.8
2	1.0 - 6.0	347	25.00	12.3
3	7.0 - 8.0	241	16.99	8.4
4	9.0 - 10.0	241	20.68	10.2
5	11.0 - 12.0	140	7.96	3.9
6	13.0 - 14.0	167	11.67	5.8
7	15.0 - 16.0	25	3.76	1.9
8	17.0 - 19.0	27	1.73	0.9
9	20.0 - 22.0	37	2.89	1.4
10	23.0 - 25.0	22	1.40	0.7
11	26.0 - 50.0	203	17.71	8.7

OBSTACLE SPACING TYPE			
AVOIDABLE	314	26.11	12.9
NONAVOIDABLE	1136	83.67	41.3
NO OBSTACLES	1225	92.78	45.8

		OBSTACLE LENGTH (FEET)		
1	0. - 0.	1225	92.78	45.8
2	1. - 1.	10	0.71	0.3
3	2. - 2.	0	0.00	0.0
4	3. - 3.	1	0.17	0.1
5	4. - 19.	227	21.98	10.9
6	20. - 39.	45	1.95	1.0
7	40. - 59.	374	28.84	14.2
8	60. - 69.	215	15.43	7.6
9	70. - 79.	181	11.74	5.8
10	80. - 89.	183	14.70	7.3
11	90. - 100.	214	14.27	7.0

Table 1 Germany, Lauterbach (cont)

		OBSTACLE SPACING (FEET)		
1	0. - 0.	1225	92.78	45.8
2	1. - 20.	95	5.24	2.6
3	21. - 40.	226	18.29	9.0
4	41. - 60.	98	9.08	4.5
5	61. - 100.	271	18.71	9.2
6	101. - 200.	760	58.45	28.9

APPROACH ANGLE				
MOUND		196	15.45	7.6
TRENCH		1243	93.44	46.1
NO OBSTACLES		1225	92.78	45.8
BOULDER		11	0.88	0.4
HOLE		0	0.00	0.0

MOUND - APPROACH ANGLES (DEG)				
1	90. - 112.	67	4.32	2.1
2	113. - 135.	50	6.78	3.3
3	136. - 149.	48	2.41	1.2
4	150. - 158.	31	1.95	1.0
5	159. - 163.	0	0.00	0.0

TRENCH - APPROACH ANGLES (DEG)				
1	197. - 202.	340	25.98	12.8
2	203. - 211.	580	38.71	19.1
3	212. - 225.	160	13.21	6.5
4	226. - 270.	163	15.54	7.7

Table 2. Middle East, Mafrag

TV3254IV  
 NUMBER OF UNITS 1667 TOTAL AREA 102.42

TYPE TITLE NO. OF UNITS SURFACE AREA % OF TOTAL  
 AREA

SOIL TYPE

FINE-GRAINED	1448	88.34	86.3
COARSE-GRAINED	219	14.08	13.8
MUSKEG	0	0.00	0.0
CH	0	0.00	0.0

RMS ROUGHNESS (INCHES)

1	0.0 - 0.5	91	5.85	5.7
2	0.6 - 1.0	524	29.87	29.2
3	1.1 - 1.5	513	28.87	28.2
4	1.6 - 2.0	216	18.22	17.8
5	2.1 - 2.5	133	11.11	10.8
6	2.6 - 3.0	96	4.72	4.6
7	3.1 - 5.0	94	3.80	3.7

SLOPE (PERCENT)

1	1. - 2.	389	43.50	42.5
2	3. - 5.	517	27.24	26.6
3	6. - 10.	461	16.25	15.9
4	11. - 25.	285	15.15	14.8
5	26. - 50.	15	0.29	0.3
6	51. - 60.	0	0.00	0.0
7	61. - 70.	0	0.00	0.0
8	71. - 90.	0	0.00	0.0
9	91. - 200.	0	0.00	0.0

SOIL STRENGTH (RCI) DRY SEASON

1	4. - 9.	0	0.00	0.0
2	10. - 15.	0	0.00	0.0
3	16. - 24.	0	0.00	0.0
4	25. - 31.	0	0.00	0.0
5	32. - 39.	0	0.00	0.0
6	40. - 59.	0	0.00	0.0
7	60. - 99.	0	0.00	0.0
8	100. - 159.	0	0.00	0.0
9	160. - 219.	0	0.00	0.0
10	220. - 279.	0	0.00	0.0
11	280. - 400.	1667	102.42	100.0

Table 2. Middle East, Mafrag(cont)

	SOIL STRENGTH			(RCI)	AVERAGE SEASON	
1	4.	-	9.	0	0.00	0.0
2	10.	-	15.	0	0.00	0.0
3	16.	-	24.	0	0.00	0.0
4	25.	-	31.	0	0.00	0.0
5	32.	-	39.	0	0.00	0.0
6	40.	-	59.	0	0.00	0.0
7	60.	-	99.	0	0.00	0.0
8	100.	-	159.	0	0.00	0.0
9	160.	-	219.	0	0.00	0.0
10	220.	-	279.	0	0.00	0.0
11	280.	-	400.	1667	102.42	100.0

	SOIL STRENGTH			(RCI)	WET SEASON	
1	4.	-	9.	0	0.00	0.0
2	10.	-	15.	0	0.00	0.0
3	16.	-	24.	0	0.00	0.0
4	25.	-	31.	0	0.00	0.0
5	32.	-	39.	0	0.00	0.0
6	40.	-	59.	0	0.00	0.0
7	60.	-	99.	1345	81.69	79.8
8	100.	-	159.	233	14.54	14.2
9	160.	-	219.	5	0.55	0.5
10	220.	-	279.	0	0.00	0.0
11	280.	-	400.	84	5.65	5.5

	SOIL STRENGTH			(RCI)	WET, WET SEASON	
1	4.	-	9.	0	0.00	0.0
2	10.	-	15.	0	0.00	0.0
3	16.	-	24.	0	0.00	0.0
4	25.	-	31.	0	0.00	0.0
5	32.	-	39.	0	0.00	0.0
6	40.	-	59.	0	0.00	0.0
7	60.	-	99.	1364	82.70	80.7
8	100.	-	159.	219	14.08	13.8
9	160.	-	219.	0	0.00	0.0
10	220.	-	279.	0	0.00	0.0
11	280.	-	400.	84	5.65	5.5

Table 2. Middle East, Mafrq(cont)

	VISIBILITY	(FEET)	JAN, FEB, MAR	
1	0. - 1.	0	0.00	0.0
2	2. - 4.	0	0.00	0.0
3	5. - 8.	0	0.00	0.0
4	9. - 14.	0	0.00	0.0
5	15. - 18.	11	0.43	0.4
6	19. - 28.	240	11.04	10.8
7	29. - 77.	789	45.21	44.1
8	78. - 163.	416	31.31	30.6
9	164. - 200.	45	5.04	4.9
10	201. - 330.	166	9.40	9.2

	VISIBILITY	(FEET)	APR, MAY, JUN	
1	0. - 1.	0	0.00	0.0
2	2. - 4.	0	0.00	0.0
3	5. - 8.	0	0.00	0.0
4	9. - 14.	0	0.00	0.0
5	15. - 18.	11	0.37	0.4
6	19. - 28.	135	7.63	7.5
7	29. - 77.	537	22.30	21.8
8	78. - 163.	168	10.13	9.9
9	164. - 200.	209	15.12	14.8
10	201. - 330.	607	46.87	45.8

	VISIBILITY	(FEET)	JUL, AUG, SEP	
1	0. - 1.	0	0.00	0.0
2	2. - 4.	0	0.00	0.0
3	5. - 8.	0	0.00	0.0
4	9. - 14.	0	0.00	0.0
5	15. - 18.	11	0.29	0.3
6	19. - 28.	133	7.49	7.3
7	29. - 77.	539	22.62	22.1
8	78. - 163.	169	10.06	9.8
9	164. - 200.	219	12.99	12.7
10	201. - 330.	596	48.99	47.8

	VISIBILITY	(FEET)	OCT, NOV, DEC	
1	0. - 1.	0	0.00	0.0
2	2. - 4.	0	0.00	0.0
3	5. - 8.	0	0.00	0.0
4	9. - 14.	0	0.00	0.0
5	15. - 18.	10	0.33	0.3
6	19. - 28.	140	7.83	7.6
7	29. - 77.	539	22.78	22.2
8	78. - 163.	764	57.05	55.7
9	164. - 200.	61	3.36	3.3
10	201. - 330.	153	11.08	10.8

Table 2. Middle East, Mafrag(cont)

		OBSTACLE WIDTH (INCHES)		
1	0. - 0.	505	36.61	35.7
2	1. - 20.	35	1.16	1.1
3	21. - 35.	391	20.69	20.2
4	36. - 50.	574	31.71	31.0
5	51. - 75.	106	9.13	8.9
6	76. - 150.	56	3.13	3.1
7	151. - 250.	0	0.00	0.0
8	251. - 400.	0	0.00	0.0
9	401. - 500.	0	0.00	0.0
10	501. - 600.	0	0.00	0.0
11	601. - 700.	0	0.00	0.0

		OBSTACLE HEIGHT (INCHES)		
1	0.0 - 0.0	505	36.61	35.7
2	1.0 - 6.0	76	5.14	5.0
3	7.0 - 8.0	43	2.76	2.7
4	9.0 - 10.0	23	2.00	2.0
5	11.0 - 12.0	87	8.85	8.6
6	13.0 - 14.0	96	4.32	4.2
7	15.0 - 16.0	131	5.05	4.9
8	17.0 - 19.0	171	7.58	7.4
9	20.0 - 22.0	212	10.07	9.8
10	23.0 - 25.0	97	7.23	7.1
11	26.0 - 50.0	226	12.81	12.5

OBSTACLE SPACING TYPE			
AVOIDABLE	397	29.02	28.3
NONAVOIDABLE	765	36.80	35.9
NO OBSTACLES	505	36.61	35.7

		OBSTACLE LENGTH (FEET)		
1	0. - 0.	505	36.61	35.7
2	1. - 1.	0	0.00	0.0
3	2. - 2.	191	12.88	12.6
4	3. - 3.	203	14.32	14.0
5	4. - 19.	0	0.00	0.0
6	20. - 39.	0	0.00	0.0
7	40. - 59.	266	13.75	13.4
8	60. - 69.	125	5.16	5.0
9	70. - 79.	135	5.71	5.6
10	80. - 89.	113	5.79	5.6
11	90. - 100.	129	8.21	8.0

Table 2. Middle East, Mafrq(cont)

		OBSTACLE SPACING (FEET)		
1	0. - 0.	505	36.61	35.7
2	1. - 20.	4	0.42	0.4
3	21. - 40.	231	13.04	12.7
4	41. - 60.	46	2.62	2.6
5	61. - 100.	246	15.90	15.5
6	101. - 200.	635	33.83	33.0

APPROACH ANGLE				
MOUND		382	14.29	14.0
TRENCH		386	24.32	23.7
NO OBSTACLES		505	36.61	35.7
BOULDER		394	27.20	26.6
HOLE		0	0.00	0.0

MOUND - APPROACH ANGLES (DEG)				
1	90. - 112.	155	4.79	4.7
2	113. - 135.	138	6.41	6.3
3	136. - 149.	89	3.09	3.0
4	150. - 158.	0	0.00	0.0
5	159. - 163.	0	0.00	0.0

TRENCH - APPROACH ANGLES (DEG)				
1	197. - 202.	138	7.97	7.8
2	203. - 211.	248	16.35	16.0
3	212. - 225.	0	0.00	0.0
4	226. - 270.	0	0.00	0.0



APPENDIX C

NATO REFERENCE MOBILITY MODEL RESULTS



**MOBILITY RATING SPEED (MPH) - TACTICAL STANDARD SUMMARY**

<b>WEST GERMANY DRY</b>			<b>HEMTT</b>	<b>HEMTT-PLST</b>	
<b>Time Penalty</b>	<b>0.101</b>		<u><b>HEMTT</b></u>	<u><b>W/IRB</b></u>	<u><b>HEMTT-HEMAT</b></u>
<b>Primary Road %</b>	<b>20 V100</b>	<b>38.1</b>	<b>39.7</b>	<b>35.7</b>	<b>30.3</b>
<b>Secondary Road %</b>	<b>50 V100</b>	<b>24.7</b>	<b>25.8</b>	<b>21.9</b>	<b>21.2</b>
<b>Trails %</b>	<b>15 V100</b>	<b>8.6</b>	<b>8.7</b>	<b>8.3</b>	<b>8.2</b>
<b>Cross Country %</b>	<b>15 V80</b>	<b>12.6</b>	<b>12.2</b>	<b>9.6</b>	<b>10.4</b>
<b>TOTAL Vehicle Mobility Speed</b>		<b>14.3</b>	<b>14.5</b>	<b>12.9</b>	<b>12.8</b>
<b>Road Vehicle Mobility Speed</b>		<b>19.3</b>	<b>19.9</b>	<b>17.9</b>	<b>17.2</b>
<b>WEST GERMANY WET</b>					
<b>Time Penalty</b>	<b>0.109</b>				
<b>Primary Road %</b>	<b>20 V100</b>	<b>33.8</b>	<b>35.0</b>	<b>32.1</b>	<b>28.3</b>
<b>Secondary Road %</b>	<b>50 V100</b>	<b>22.3</b>	<b>23.1</b>	<b>20.1</b>	<b>19.6</b>
<b>Trails %</b>	<b>15 V100</b>	<b>8.3</b>	<b>8.6</b>	<b>7.9</b>	<b>7.0</b>
<b>Cross Country %</b>	<b>15 V80</b>	<b>2.7</b>	<b>9.3</b>	<b>0.5</b>	<b>0.2</b>
<b>TOTAL Vehicle Mobility Speed</b>		<b>8.0</b>	<b>12.9</b>	<b>2.9</b>	<b>1.3</b>
<b>Road Vehicle Mobility Speed</b>		<b>17.9</b>	<b>18.5</b>	<b>16.6</b>	<b>15.4</b>
<b>WEST GERMANY SNOW</b>					
<b>Time Penalty</b>	<b>0.106</b>				
<b>Primary Road %</b>	<b>20 V100</b>	<b>20.8</b>	<b>24.7</b>	<b>21.2</b>	<b>17.9</b>
<b>Secondary Road %</b>	<b>50 V100</b>	<b>15.9</b>	<b>18.9</b>	<b>15.7</b>	<b>13.8</b>
<b>Trails %</b>	<b>15 V100</b>	<b>14.1</b>	<b>16.0</b>	<b>13.2</b>	<b>11.9</b>
<b>Cross Country %</b>	<b>15 V80</b>	<b>12.5</b>	<b>12.0</b>	<b>1.2</b>	<b>1.3</b>
<b>TOTAL Vehicle Mobility Speed</b>		<b>12.6</b>	<b>13.8</b>	<b>5.1</b>	<b>5.0</b>
<b>Road Vehicle Mobility Speed</b>		<b>16.1</b>	<b>18.9</b>	<b>15.8</b>	<b>13.9</b>
<b>MID EAST DRY</b>					
<b>Time Penalty</b>	<b>0.025</b>				
<b>Primary Road %</b>	<b>15 V100</b>	<b>44.0</b>	<b>44.0</b>	<b>43.8</b>	<b>34.4</b>
<b>Secondary Road %</b>	<b>35 V100</b>	<b>30.1</b>	<b>31.2</b>	<b>28.2</b>	<b>26.2</b>
<b>Trails %</b>	<b>35 V100</b>	<b>9.3</b>	<b>9.4</b>	<b>8.9</b>	<b>8.9</b>
<b>Cross Country %</b>	<b>15 V80</b>	<b>9.7</b>	<b>9.8</b>	<b>8.9</b>	<b>9.2</b>
<b>TOTAL Vehicle Mobility Speed</b>		<b>13.9</b>	<b>14.1</b>	<b>13.2</b>	<b>13.0</b>
<b>Road Vehicle Mobility Speed</b>		<b>16.1</b>	<b>16.3</b>	<b>15.3</b>	<b>14.8</b>
<b>MID EAST SAND</b>					
<b>Time Penalty</b>	<b>0.026</b>				
<b>Primary Road %</b>	<b>15 V100</b>	<b>25.1</b>	<b>38.2</b>	<b>38.0</b>	<b>38.0</b>
<b>Secondary Road %</b>	<b>35 V100</b>	<b>23.5</b>	<b>29.9</b>	<b>27.2</b>	<b>27.3</b>
<b>Trails %</b>	<b>35 V100</b>	<b>9.3</b>	<b>9.4</b>	<b>8.9</b>	<b>8.9</b>
<b>Cross Country %</b>	<b>15 V80</b>	<b>9.4</b>	<b>9.7</b>	<b>0.6</b>	<b>0.6</b>
<b>TOTAL Vehicle Mobility Speed</b>		<b>12.8</b>	<b>13.8</b>	<b>3.0</b>	<b>3.0</b>
<b>Road Vehicle Mobility Speed</b>		<b>14.5</b>	<b>16.0</b>	<b>15.1</b>	<b>15.1</b>

**MOBILITY RATING SPEED (MPH) - TACTICAL STANDARD SUMMARY**

<b>WEST GERMANY DRY</b>		<b>PLS</b>	<b>PLS-PLST</b>	<b>PLS-PLST</b>
<b>Time Penalty</b>	<b>0.101</b>	<b><u>W/IRB</u></b>	<b><u>W/IRB</u></b>	<b><u>W/FULL LOAD</u></b>
Primary Road %	20 V100	42.0	40.3	17.7
Secondary Road %	50 V100	23.8	21.6	15.3
Trails %	15 V100	11.9	11.3	9.4
Cross Country %	15 V80	13.2	11.0	0.8
<b>TOTAL Vehicle Mobility Speed</b>		<b>15.4</b>	<b>14.3</b>	<b>4.2</b>
<b>Road Vehicle Mobility Speed</b>		<b>21.6</b>	<b>20.0</b>	<b>13.9</b>
<b>WEST GERMANY WET</b>				
<b>Time Penalty</b>	<b>0.109</b>			
Primary Road %	20 V100	35.9	34.8	17.4
Secondary Road %	50 V100	21.2	19.7	15.3
Trails %	15 V100	11.8	10.3	7.0
Cross Country %	15 V80	11.2	1.7	0.2
<b>TOTAL Vehicle Mobility Speed</b>		<b>14.0</b>	<b>6.4</b>	<b>1.1</b>
<b>Road Vehicle Mobility Speed</b>		<b>19.8</b>	<b>18.2</b>	<b>12.7</b>
<b>WEST GERMANY SNOW</b>				
<b>Time Penalty</b>	<b>0.106</b>			
Primary Road %	20 V100	25.9	23.2	15.7
Secondary Road %	50 V100	20.4	17.2	12.2
Trails %	15 V100	16.2	14.0	10.4
Cross Country %	15 V80	13.9	1.4	0.5
<b>TOTAL Vehicle Mobility Speed</b>		<b>14.7</b>	<b>6.5</b>	<b>2.5</b>
<b>Road Vehicle Mobility Speed</b>		<b>20.0</b>	<b>17.2</b>	<b>12.3</b>
<b>MID EAST DRY</b>				
<b>Time Penalty</b>	<b>0.025</b>			
Primary Road %	15 V100	48.1	47.6	18.2
Secondary Road %	35 V100	28.6	26.3	17.7
Trails %	35 V100	12.8	11.8	10.1
Cross Country %	15 V80	12.7	11.7	1.74
<b>TOTAL Vehicle Mobility Speed</b>		<b>17.2</b>	<b>16.0</b>	<b>6.4</b>
<b>Road Vehicle Mobility Speed</b>		<b>19.8</b>	<b>18.3</b>	<b>13.5</b>
<b>MID EAST SAND</b>				
<b>Time Penalty</b>	<b>0.026</b>			
Primary Road %	15 V100	29.8	29.8	18.2
Secondary Road %	35 V100	23.8	22.6	17.7
Trails %	35 V100	12.8	11.8	10.1
Cross Country %	15 V80	12.9	0.8	0.4
<b>TOTAL Vehicle Mobility Speed</b>		<b>16.0</b>	<b>4.6</b>	<b>2.2</b>
<b>Road Vehicle Mobility Speed</b>		<b>18.0</b>	<b>16.9</b>	<b>13.5</b>

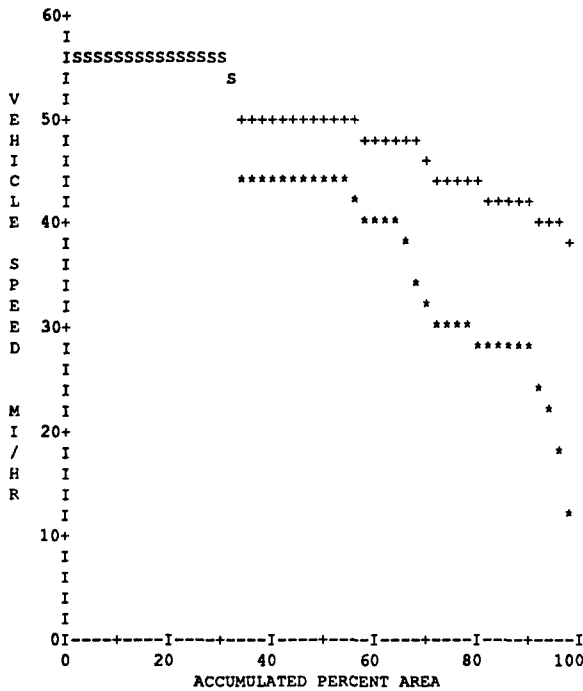
PERCENT NO-GO SUMMARY

<u>%NOGO</u>	<u>HEMTT</u>	<u>HEMTT W/IRB</u>	<u>HEMTT-PLST W/IRB</u>	<u>HEMTT-HEMAT</u>
<b>WEST GERMANY DRY</b>				
Primary Road % NOGO	0.00	0.00	0.00	0.00
Secondary Road % NOGO	0.00	0.00	0.00	0.00
Trails % NOGO	0.00	0.00	0.00	0.00
Cross Country % NOGO	3.88	3.92	17.46	15.96
<b>WEST GERMANY WET</b>				
Primary Road % NOGO	0.00	0.00	0.00	0.00
Secondary Road % NOGO	0.00	0.00	0.00	0.00
Trails % NOGO	0.00	0.00	0.00	0.00
Cross Country % NOGO	21.63	10.16	34.33	58.85
<b>WEST GERMANY SNOW</b>				
Primary Road % NOGO	0.00	0.00	0.00	0.00
Secondary Road % NOGO	0.00	0.00	0.36	1.33
Trails % NOGO	0.00	0.00	0.00	1.55
Cross Country % NOGO	14.21	14.79	26.15	25.59
<b>MID EAST DRY</b>				
Primary Road % NOGO	0.00	0.00	0.00	0.00
Secondary Road % NOGO	0.00	0.00	0.00	0.00
Trails % NOGO	0.00	0.00	0.00	0.00
Cross Country % NOGO	12.20	12.00	18.20	15.95
<b>MID EAST SAND</b>				
Primary Road % NOGO	0.00	0.00	0.00	0.00
Secondary Road % NOGO	0.00	0.00	0.00	0.00
Trails % NOGO	0.00	0.00	0.00	0.00
Cross Country % NOGO	20.03	18.29	33.87	33.80

PERCENT NO-GO SUMMARY

% NOGO	PLS W/IRB	PLS-PLST W/IRB	PLS-PLST W/FULL LOAD
<b>WEST GERMANY DRY</b>			
Primary Road % NOGO	0.00	0.00	0.00
Secondary Road % NOGO	0.00	0.00	0.00
Trails % NOGO	0.00	0.00	0.00
Cross Country % NOGO	3.67	15.94	28.82
<b>WEST GERMANY WET</b>			
Primary Road % NOGO	0.00	0.00	0.00
Secondary Road % NOGO	0.00	0.00	0.15
Trails % NOGO	0.00	0.00	0.00
Cross Country % NOGO	7.25	23.57	64.81
<b>WEST GERMANY SNOW</b>			
Primary Road % NOGO	0.00	0.00	0.00
Secondary Road % NOGO	0.00	0.00	0.36
Trails % NOGO	0.00	0.00	1.32
Cross Country % NOGO	14.07	24.82	36.96
<b>MID EAST DRY</b>			
Primary Road % NOGO	0.00	0.00	0.00
Secondary Road % NOGO	0.00	0.00	0.00
Trails % NOGO	0.00	0.00	0.00
Cross Country % NOGO	3.12	18.18	23.79
<b>MID EAST SAND</b>			
Primary Road % NOGO	0.00	0.00	0.00
Secondary Road % NOGO	0.00	0.00	0.00
Trails % NOGO	0.00	0.00	0.00
Cross Country % NOGO	10.55	28.99	39.17

THE VEHICLE IS M977 10 TON HEMTT THE GEOGRAPHIC AREA IS PRIMARY ROADS RT5520  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	55.0	55.0	55.0	55.0	55.0
1X	55.0	55.0	55.0	55.0	55.0
2X	55.0	55.0	55.0	55.0	55.0
3X	55.0	55.0	43.9	43.9	43.9
4X	43.9	43.9	43.9	43.9	43.9
5X	43.9	43.9	43.9	42.3	40.8
6X	40.8	40.0	40.0	37.3	34.0
7X	31.5	31.0	31.0	31.0	31.0
8X	29.0	28.9	28.9	28.9	28.9
9X	27.0	24.0	22.3	18.0	13.0
10X	0.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

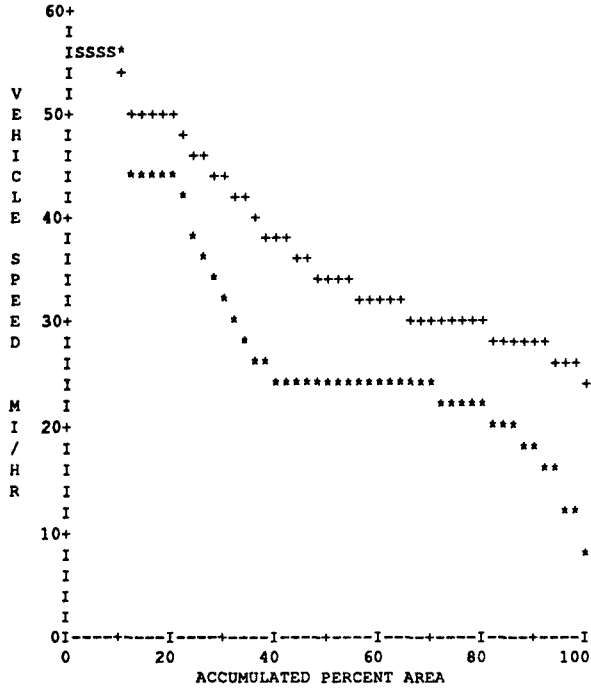
	X=0	2	4	6	8
	55.0	55.0	55.0	55.0	55.0
1X	55.0	55.0	55.0	55.0	55.0
2X	55.0	55.0	55.0	55.0	55.0
3X	55.0	55.0	50.7	50.7	50.7
4X	50.7	50.7	50.7	50.7	50.7
5X	50.5	50.0	50.0	49.6	48.7
6X	48.7	48.7	48.5	48.0	47.4
7X	46.8	44.6	44.6	44.6	44.6
8X	44.0	41.9	41.9	41.9	41.8
9X	41.6	40.8	40.3	39.2	38.1
10X	0.0				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	48	19.77	26.28	0	0.00	0.00
4 CURVATURE	64	9.18	24.15	98	12.15	27.17
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	10	33.26	50.53	24	50.05	50.24
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>122</b>	<b>62.20</b>	<b>38.93</b>	<b>122</b>	<b>62.20</b>	<b>45.74</b>

THE VEHICLE IS M977 10 TON HEMTT THE GEOGRAPHIC AREA IS SECONDARY RDS RT5520  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

X=	0	2	4	6	8
	55.0	55.0	55.0	55.0	55.0
1X	55.0	43.9	43.9	43.9	43.9
2X	43.9	41.5	38.1	36.0	34.8
3X	32.6	29.0	28.0	26.0	26.0
4X	24.8	24.8	24.8	24.8	24.8
5X	24.8	24.8	24.8	24.8	24.8
6X	24.8	24.5	24.5	23.1	23.1
7X	23.0	23.0	22.5	22.5	21.2
8X	21.1	20.2	19.2	19.1	18.0
9X	18.0	16.6	15.4	13.0	12.8
10X	8.9				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

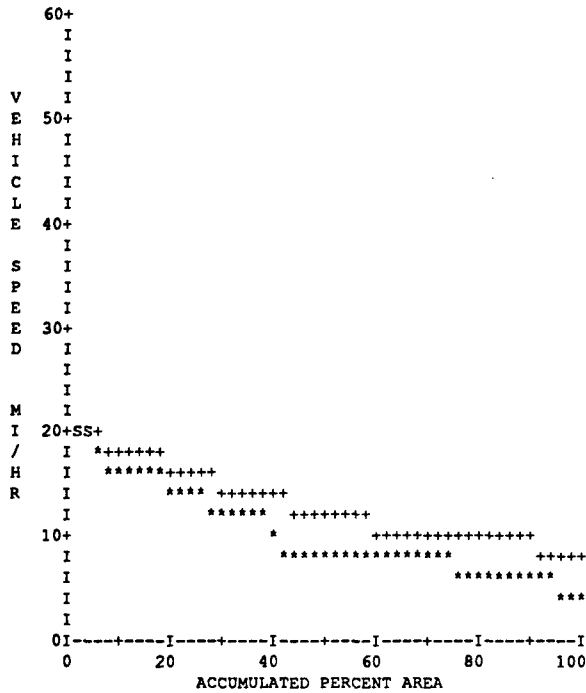
X=	0	2	4	6	8
	55.0	55.0	55.0	55.0	55.0
1X	55.0	49.6	49.6	49.6	49.2
2X	49.1	48.3	46.8	46.5	44.9
3X	44.3	42.8	41.8	39.0	38.9
4X	37.3	37.2	35.5	35.4	33.3
5X	33.3	33.3	33.2	32.8	32.7
6X	32.2	31.7	31.6	31.0	30.9
7X	30.6	30.4	29.9	29.8	29.2
8X	29.2	28.9	28.4	28.4	28.0
9X	27.6	27.3	26.8	26.4	25.8
10X	24.7				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED
GO TERRAIN UNITS						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	197	90.30	20.74	0	0.00	0.00
4 CURVATURE	89	21.79	18.55	187	33.59	21.00
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	33	77.41	36.57	132	155.92	35.99
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	319	189.50	26.96	319	189.50	33.33

THE VEHICLE IS M977 10 TON HEMTT THE GEOGRAPHIC AREA IS TRAILS RT5520R  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	20.5	20.5	19.8	17.8	16.7
1X	16.7	16.7	16.2	15.5	15.5
2X	14.0	13.9	13.7	13.7	12.1
3X	12.1	12.1	12.1	12.1	12.1
4X	9.3	8.7	7.5	7.5	7.5
5X	7.5	7.5	7.5	7.5	7.5
6X	7.5	7.5	7.5	7.5	7.5
7X	7.5	7.5	7.3	6.3	6.3
8X	6.3	6.3	6.3	6.3	6.3
9X	6.3	6.3	6.3	5.0	5.0
10X	5.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

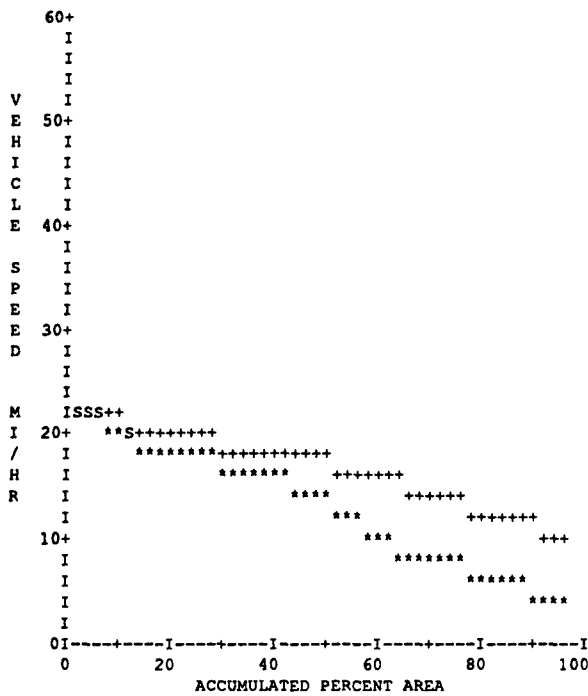
	X=0	2	4	6	8
	20.5	20.5	20.2	19.4	18.4
1X	18.2	17.9	17.7	17.1	17.1
2X	16.9	16.4	16.1	16.1	15.5
3X	15.0	15.0	14.9	14.8	14.6
4X	14.2	13.8	12.9	12.5	12.5
5X	11.8	11.8	11.3	11.3	11.2
6X	10.8	10.8	10.6	10.6	10.4
7X	10.3	10.2	10.1	10.0	9.7
8X	9.7	9.6	9.3	9.3	9.2
9X	9.1	9.0	9.0	8.9	8.7
10X	8.6				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	113	9.99	12.31	0	0.00	0.00
4 CURVATURE	110	3.26	6.81	135	3.75	7.91
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	253	31.86	9.05	341	41.37	10.77
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	476	45.12	9.61	476	45.12	10.53

THE VEHICLE IS M977 10 TON HEMTT THE GEOGRAPHIC AREA IS EFOSS QUAD L5322  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	22.8	22.4	21.7	21.2	20.5
1X	19.8	19.1	19.0	18.7	18.4
2X	18.2	17.9	17.4	17.3	17.2
3X	16.7	16.6	16.2	15.7	15.4
4X	15.3	15.0	14.2	14.0	13.7
5X	13.1	12.1	11.0	11.0	10.0
6X	10.0	9.6	8.8	8.6	8.3
7X	8.0	7.7	7.5	7.1	6.9
8X	6.6	6.2	5.9	5.6	5.3
9X	4.8	4.2	3.6	3.0	0.0
10X	0.0				

SPEED IN UNIT

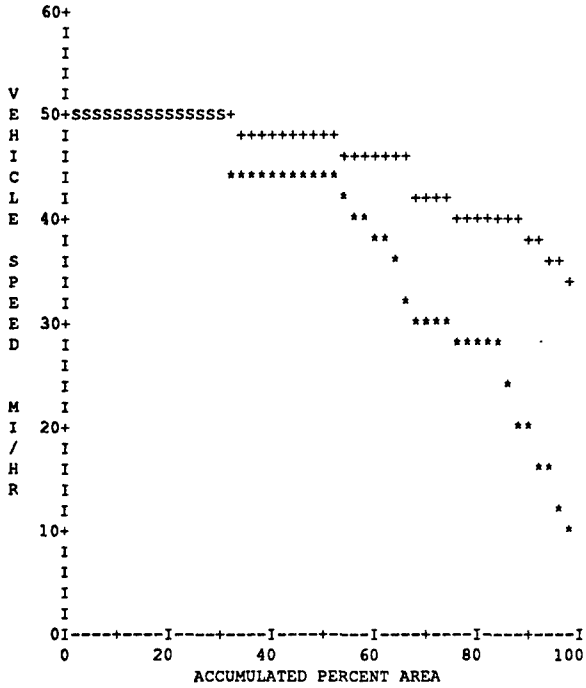
ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	22.8	22.5	22.1	21.9	21.5
1X	21.2	20.8	20.5	20.3	20.1
2X	19.9	19.7	19.5	19.3	19.1
3X	19.0	18.8	18.6	18.5	18.3
4X	18.1	17.9	17.7	17.6	17.3
5X	17.1	16.9	16.6	16.3	16.0
6X	15.7	15.4	15.1	14.7	14.3
7X	14.1	13.8	13.5	13.1	12.9
8X	12.6	12.3	12.0	11.7	11.4
9X	11.1	10.7	10.3	9.9	0.0
10X	0.0				

THE NOGO PERCENT OF AREA IS- 3.88.

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	209	18.25	12.77	954	68.48	15.35	843	65.45	15.50
2 TIRE CONST	11	0.42	22.79	477	37.10	22.79	454	36.96	22.79
3 POWER/RES	1102	92.00	11.42	43	2.92	15.61	7	0.43	13.13
4 VISIBILITY	5	0.30	17.81	70	8.69	19.54	193	13.42	17.04
5 MANEUVER	44	4.71	11.64	160	18.15	16.63	143	17.19	16.50
6 MANEUVER	73	3.98	7.61	31	2.34	15.41	26	2.22	15.48
7 OBS IMPACT	71	5.11	10.00	138	7.77	10.00	127	7.44	10.00
8 OBS FORCE	797	61.57	7.91	636	47.34	7.59	594	45.75	7.85
9 DRVR.PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>2312</b>	<b>186.33</b>	<b>10.31</b>	<b>2509</b>	<b>192.78</b>	<b>14.98</b>	<b>2387</b>	<b>188.84</b>	<b>15.05</b>
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		123	3.96	
-2 SOIL/SLOPE	176	5.55		0	0.00		0	0.00	
-3 OBS INTRF	4	0.13		6	0.17		5	0.15	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	21	1.44		10	0.90		10	0.90	
-6 OBS FORCE	12	0.39		0	0.00		0	0.00	
<b>TOTAL</b>	<b>213</b>	<b>7.52</b>		<b>16</b>	<b>1.07</b>		<b>138</b>	<b>5.01</b>	

THE VEHICLE IS M977 10 TON HEMTT THE GEOGRAPHIC AREA IS PRIMARY ROADS RT5520  
 THE SEASON IS WET



ACCUMULATED PERCENT AREA

X=0	2	4	6	8
49.5	49.5	49.5	49.5	49.5
1X	49.5	49.5	49.5	49.5
2X	49.5	49.5	49.5	49.5
3X	49.5	44.8	43.9	43.9
4X	43.9	43.9	43.9	43.9
5X	43.9	43.9	42.3	39.2
6X	38.9	38.9	36.2	32.9
7X	30.0	30.0	29.9	28.9
8X	28.9	28.3	28.3	24.0
9X	20.5	17.0	17.0	12.7
10X	0.0			

SPEED IN UNIT

ACCUMULATED PERCENT AREA

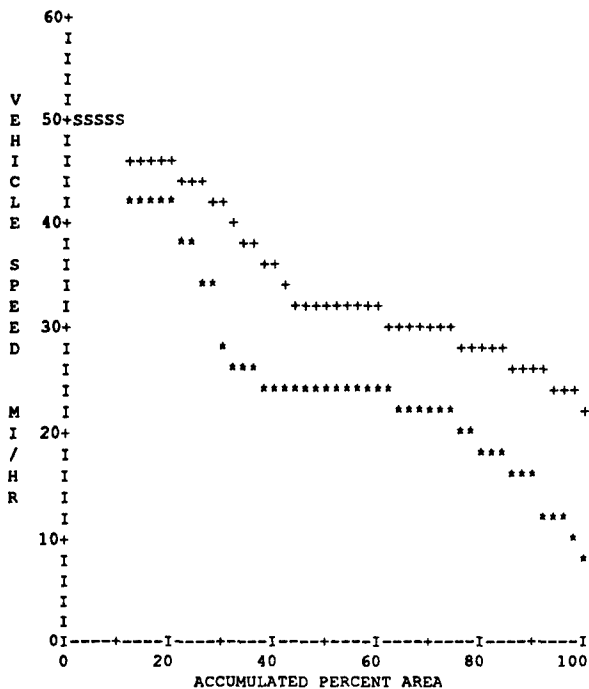
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49.5	49.5	49.5	49.5	49.5
1X	49.5	49.5	49.5	49.5
2X	49.5	49.5	49.5	49.5
3X	49.5	49.5	47.4	47.4
4X	47.4	47.4	47.4	47.4
5X	47.2	47.2	46.9	46.2
6X	46.0	46.0	45.6	45.1
7X	42.8	42.8	42.8	40.9
8X	40.9	40.9	40.5	39.9
9X	38.5	37.5	36.7	35.2
10X	0.0			

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	26	17.86	26.11	0	0.00	0.00
4 CURVATURE	93	31.55	38.30	114	41.80	40.43
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	3	12.79	43.89	8	20.40	43.89
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>122</b>	<b>62.20</b>	<b>35.95</b>	<b>122</b>	<b>62.20</b>	<b>41.57</b>

THE VEHICLE IS M977 10 TON HEMTT THE GEOGRAPHIC AREA IS SECONDARY RDS RT5520  
 THE SEASON IS WET



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	49.5	49.5	49.5	49.5	49.5
1X	49.5	42.4	42.4	42.4	42.4
2X	41.9	37.6	37.6	34.3	33.9
3X	28.7	26.4	25.7	25.5	24.8
4X	24.8	24.8	24.8	24.8	24.8
5X	24.8	24.8	24.8	24.8	24.3
6X	23.4	23.1	22.8	22.6	22.5
7X	22.5	21.2	21.1	19.4	19.1
8X	18.4	18.4	17.2	16.3	16.0
9X	15.1	12.7	12.7	12.1	9.2
10X	7.1				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

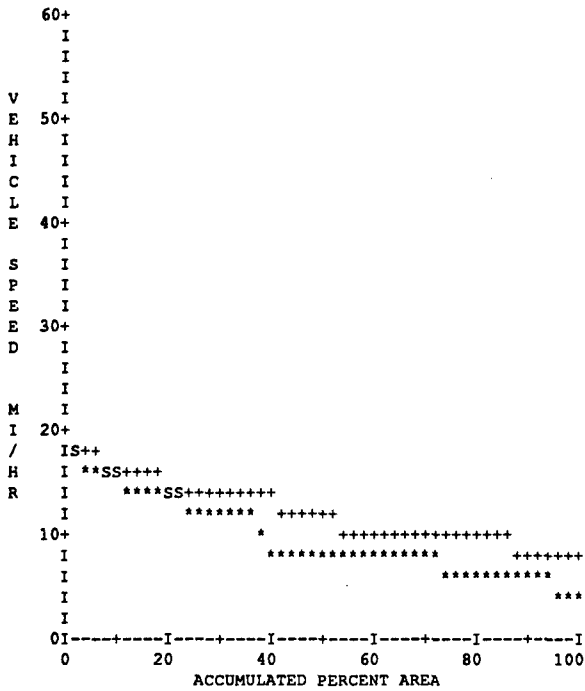
	X=0	2	4	6	8
	49.5	49.5	49.5	49.5	49.5
1X	49.5	46.2	46.2	46.2	45.9
2X	45.5	44.3	44.3	43.0	43.0
3X	41.2	40.4	38.5	38.3	36.5
4X	35.9	34.9	32.8	32.8	32.8
5X	32.8	32.5	31.9	31.9	31.3
6X	31.3	30.7	30.4	30.3	29.7
7X	29.7	29.0	29.0	28.8	28.3
8X	28.0	27.7	27.3	26.9	26.4
9X	26.0	25.6	25.0	24.5	23.7
10X	22.3				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	153	81.78	20.58	0	0.00	0.00
4 CURVATURE	149	70.17	31.29	258	118.47	34.19
5 VISIBILITY	0	0.00	0.00	5	2.46	40.31
6 RIDE	17	37.56	24.79	56	68.58	24.79
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	319	189.50	25.38	319	189.50	30.87

THE VEHICLE IS M977 10 TON HEMTT THE GEOGRAPHIC AREA IS TRAILS RT5520R  
 THE SEASON IS WET



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	20.2	18.2	16.7	16.4	15.8
1X	15.8	14.4	14.2	13.7	13.1
2X	13.0	13.0	12.5	12.5	12.1
3X	12.1	12.1	12.1	11.1	10.4
4X	8.9	7.6	7.5	7.5	7.5
5X	7.5	7.5	7.5	7.5	7.5
6X	7.5	7.5	7.5	7.5	7.5
7X	7.5	7.5	6.5	6.3	6.3
8X	6.3	6.3	6.3	6.3	6.3
9X	6.3	6.3	6.3	5.0	4.9
10X	4.9				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

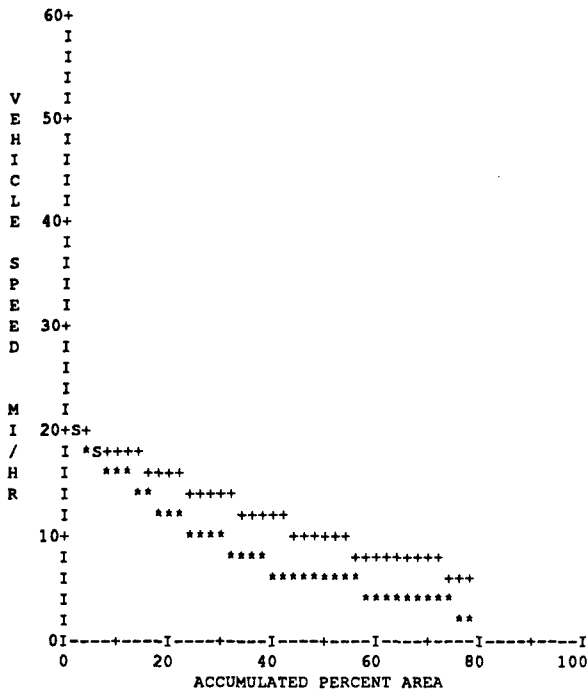
	X=0	2	4	6	8
	20.2	18.5	17.7	17.2	16.7
1X	16.7	16.3	16.0	15.6	15.2
2X	14.8	14.8	14.5	14.4	13.9
3X	13.9	13.9	13.8	13.6	13.5
4X	13.1	12.8	12.1	11.8	11.7
5X	11.2	11.2	10.8	10.8	10.7
6X	10.4	10.4	10.2	10.2	10.1
7X	9.9	9.9	9.7	9.6	9.4
8X	9.4	9.3	9.0	9.0	9.0
9X	8.9	8.8	8.7	8.6	8.5
10X	8.3				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP_SLOPE			DOWN_SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	168	14.27	10.91	6	0.19	16.16
4 CURVATURE	98	3.05	6.23	133	3.73	7.78
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	210	27.80	8.07	337	41.20	10.73
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>476</b>	<b>45.12</b>	<b>8.84</b>	<b>476</b>	<b>45.12</b>	<b>10.51</b>

THE VEHICLE IS M977 10 TON HEMTT THE GEOGRAPHIC AREA IS EFOSS QUAD L5322  
 THE SEASON IS WET



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	22.4	19.3	18.9	17.9	16.8
1X	16.2	15.5	15.0	13.8	13.0
2X	12.1	11.6	10.7	10.1	10.0
3X	9.4	8.7	8.1	7.6	7.3
4X	7.0	6.4	6.1	5.8	5.7
5X	5.5	5.2	5.1	5.1	4.9
6X	4.7	4.6	4.4	4.2	4.0
7X	3.8	3.5	3.1	2.5	1.2
8X	0.0	0.0	0.0	0.0	0.0
9X	0.0	0.0	0.0	0.0	0.0
10X	0.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

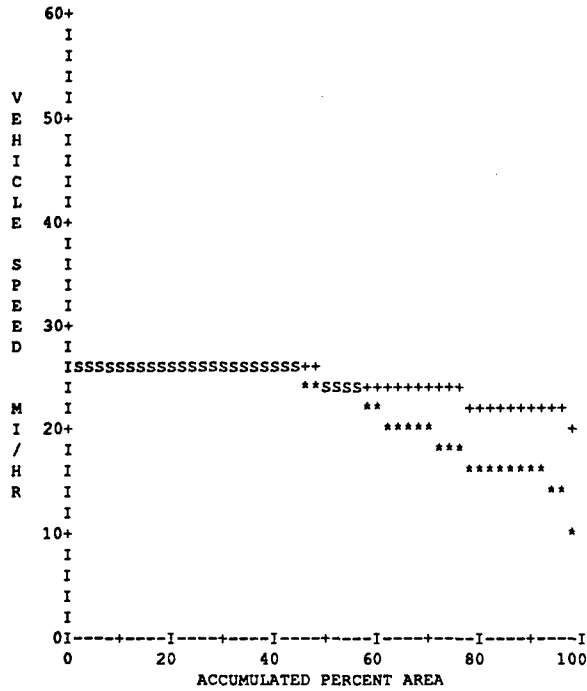
	X=0	2	4	6	8
	22.4	19.9	19.4	18.9	18.5
1X	18.0	17.6	17.2	16.7	16.2
2X	15.7	15.3	14.8	14.3	13.9
3X	13.4	13.1	12.6	12.2	11.8
4X	11.4	11.1	10.6	10.3	9.9
5X	9.7	9.4	9.1	8.8	8.6
6X	8.4	8.2	8.0	7.7	7.5
7X	7.3	7.1	6.9	6.7	5.9
8X	0.0	0.0	0.0	0.0	0.0
9X	0.0	0.0	0.0	0.0	0.0
10X	0.0				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS-21.63.

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	57	3.80	9.98	374	23.63	13.43	528	35.10	13.99
2 TIRE CONST	0	0.00	0.00	76	5.96	22.79	150	11.35	22.79
3 POWER/RES	992	91.65	6.87	979	88.62	7.71	499	53.78	8.31
4 VISIBILITY	1	0.05	18.36	45	2.73	18.76	283	15.34	15.97
5 MANUEVER	18	1.42	6.96	70	4.26	12.85	100	9.69	15.84
6 MANUEVER	75	3.97	4.47	90	4.71	6.90	48	3.43	9.25
7 OBS IMPACT	29	2.59	10.00	65	4.06	10.00	94	5.13	10.00
8 OBS FORCE	607	48.45	5.99	755	55.06	6.64	694	54.78	6.95
9 DRVR PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>1779</b>	<b>151.92</b>	<b>6.66</b>	<b>2454</b>	<b>189.02</b>	<b>8.89</b>	<b>2396</b>	<b>188.59</b>	<b>10.92</b>
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		97	2.89	
-2 SOIL/SLOPE	662	35.75		13	0.95		10	0.91	
-3 OBS INTRF	3	0.05		6	0.17		6	0.17	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	36	3.58		26	2.43		13	1.10	
-6 OBS FORCE	45	2.55		26	1.27		3	0.19	
<b>TOTAL</b>	<b>746</b>	<b>41.93</b>		<b>71</b>	<b>4.82</b>		<b>129</b>	<b>5.25</b>	

THE VEHICLE IS M977 10 TON HEMTT THE GEOGRAPHIC AREA IS PRIMARY ROADS RT5520  
 THE SEASON IS SNOW



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	25.3	25.3	25.3	25.3	25.3
1X	25.3	25.3	25.3	25.3	25.3
2X	25.3	25.3	25.3	25.3	25.3
3X	25.3	25.3	25.3	25.3	25.3
4X	25.3	25.3	25.3	23.0	23.0
5X	23.0	23.0	23.0	23.0	22.3
6X	21.2	20.7	19.7	19.7	19.7
7X	19.3	17.8	17.4	17.4	16.3
8X	16.3	16.3	16.3	16.3	16.3
9X	16.3	16.3	14.3	13.4	9.7
10X	0.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

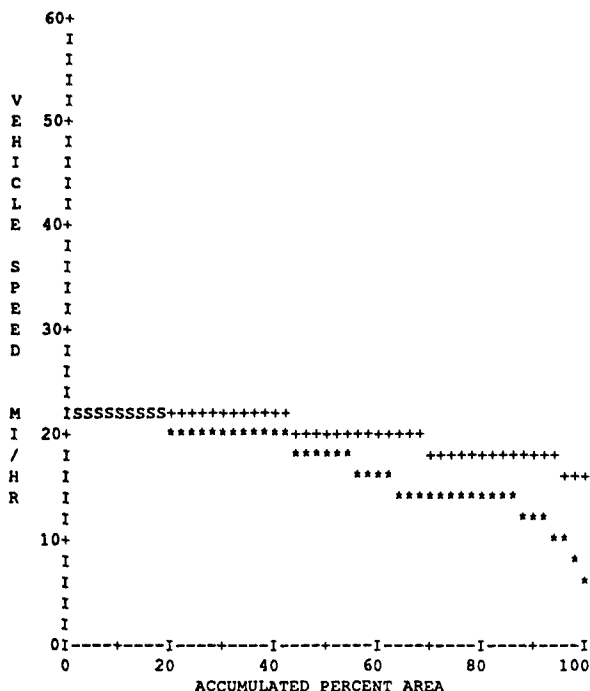
	X=0	2	4	6	8
	25.3	25.3	25.3	25.3	25.3
1X	25.3	25.3	25.3	25.3	25.3
2X	25.3	25.3	25.3	25.3	25.3
3X	25.3	25.3	25.3	25.3	25.3
4X	25.3	25.3	25.3	25.1	25.1
5X	24.7	24.7	24.7	24.7	24.7
6X	24.6	24.4	23.9	23.9	23.9
7X	23.8	23.5	23.3	23.2	22.3
8X	22.3	22.3	21.6	21.6	21.6
9X	21.6	21.6	21.4	21.2	20.8
10X	0.0				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	33	26.10	25.64
3 POWER/RES	79	56.42	20.34	11	27.04	25.26
4 CURVATURE	43	5.78	13.85	78	9.06	16.24
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	0	0.00	0.00	0	0.00	0.00
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>122</b>	<b>62.20</b>	<b>19.74</b>	<b>122</b>	<b>62.20</b>	<b>24.11</b>

THE VEHICLE IS M977 10 TON HEMTT THE GEOGRAPHIC AREA IS SECONDARY RDS RT5520  
 THE SEASON IS SNOW



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	22.2	22.2	22.2	22.2	22.2
1X	22.2	22.2	22.2	22.2	21.6
2X	20.9	20.9	20.9	20.9	20.9
3X	20.9	20.7	20.7	20.7	19.7
4X	19.7	19.3	18.6	18.6	18.6
5X	17.5	17.4	17.1	16.3	16.3
6X	16.3	15.7	14.8	14.8	14.5
7X	14.5	14.5	14.5	14.2	14.2
8X	13.8	13.8	13.8	13.4	13.0
9X	12.2	11.1	9.7	9.3	8.4
10X	6.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

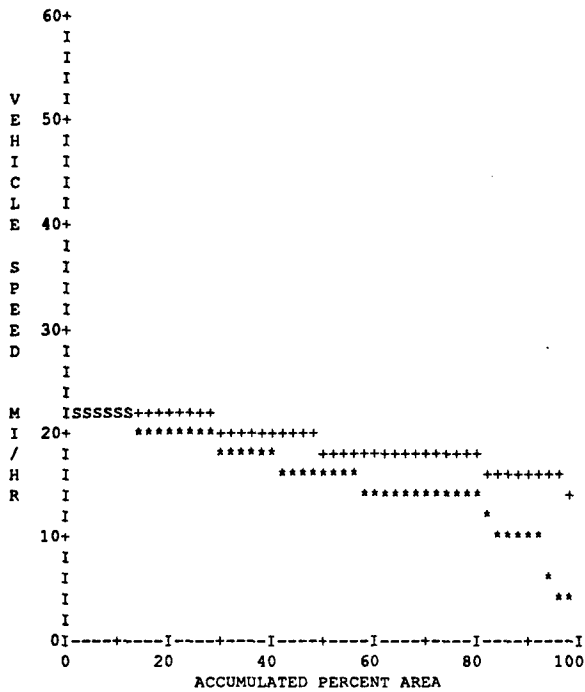
	X=0	2	4	6	8
	22.2	22.2	22.2	22.2	22.2
1X	22.2	22.2	22.2	22.2	22.2
2X	21.7	21.7	21.7	21.7	21.6
3X	21.6	21.5	21.5	21.5	21.3
4X	21.3	21.2	21.0	20.8	20.8
5X	20.7	20.5	20.4	20.2	19.9
6X	19.9	19.8	19.4	19.3	19.0
7X	19.0	18.8	18.7	18.4	18.4
8X	18.2	18.0	18.0	17.8	17.7
9X	17.5	17.3	17.1	16.8	16.5
10X	15.9				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	96	95.68	25.64
3 POWER/RES	254	172.75	14.67	17	56.45	23.33
4 CURVATURE	65	16.76	12.52	206	37.38	15.68
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	0	0.00	0.00	0	0.00	0.00
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	319	189.50	14.48	319	189.50	22.99

THE VEHICLE IS M977 10 TON HEMTT THE GEOGRAPHIC AREA IS TRAILS RT5520R  
 THE SEASON IS SNOW



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	22.9	22.9	22.8	22.1	22.1
1X	22.1	21.7	20.7	20.7	20.5
2X	20.5	20.5	20.5	19.4	19.4
3X	18.4	18.3	18.3	18.3	17.2
4X	17.1	16.4	16.4	16.4	15.9
5X	15.9	15.9	15.9	15.9	14.8
6X	14.7	14.4	14.4	14.4	14.4
7X	14.4	14.2	13.8	13.5	13.4
8X	13.1	12.1	10.6	10.4	10.2
9X	10.0	9.1	6.7	3.7	3.7
10X	0.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

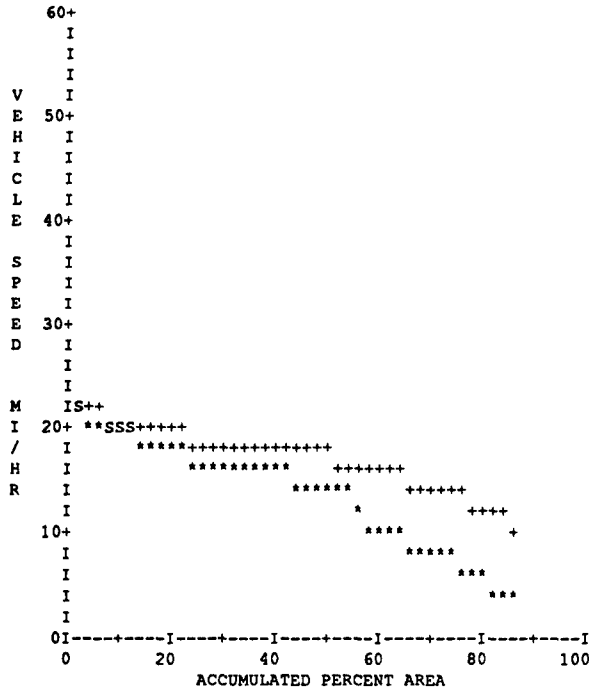
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	22.9	22.9	22.9	22.4	22.4
1X	22.4	22.3	21.9	21.9	21.6
2X	21.4	21.4	21.4	21.2	21.1
3X	20.9	20.6	20.5	20.4	20.2
4X	20.1	19.7	19.5	19.5	19.1
5X	18.9	18.9	18.9	18.7	18.6
6X	18.4	17.9	17.9	17.8	17.7
7X	17.7	17.5	17.5	17.3	17.2
8X	17.1	16.9	16.7	16.5	16.3
9X	16.1	15.8	15.5	15.0	14.1
10X	0.0				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP_SLOPE			DOWN_SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	77	25.32	25.64
3 POWER/RES	282	38.85	13.48	3	0.30	21.92
4 CURVATURE	194	6.27	8.36	371	12.47	13.12
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	0	0.00	0.00	25	7.03	22.33
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	476	45.12	12.77	476	45.12	21.64

THE VEHICLE IS M977 10 TON HEMTT THE GEOGRAPHIC AREA IS EFOSS QUAD L5322  
 THE SEASON IS SNOW



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	22.4	21.9	20.8	20.8	20.1
1X	19.3	19.1	18.4	18.2	17.4
2X	17.4	17.2	16.9	16.5	16.4
3X	16.2	16.2	16.1	15.9	15.7
4X	15.4	15.2	14.9	14.8	14.5
5X	14.0	13.7	13.1	11.8	10.9
6X	10.0	10.0	9.2	8.4	8.2
7X	7.9	7.5	7.2	6.6	6.1
8X	5.5	5.0	3.6	3.0	0.0
9X	0.0	0.0	0.0	0.0	0.0
10X	0.0				

SPEED IN UNIT

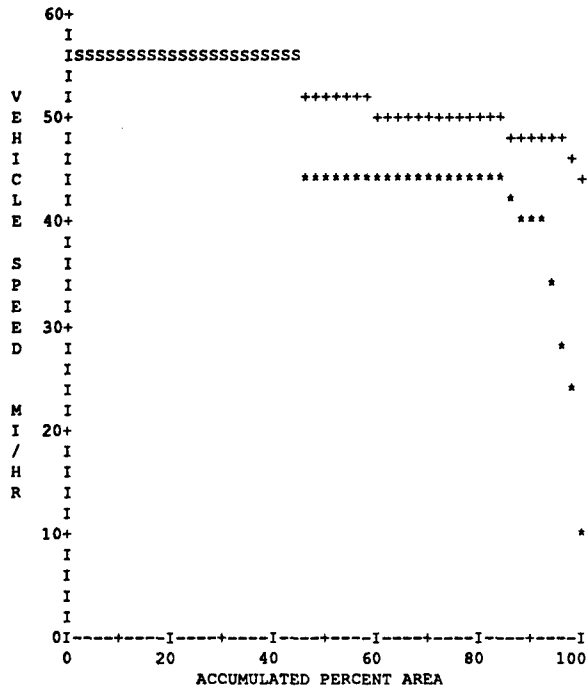
ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	22.4	22.2	21.5	21.3	21.0
1X	20.7	20.4	20.1	19.9	19.6
2X	19.3	19.1	18.9	18.7	18.5
3X	18.3	18.2	18.0	17.9	17.8
4X	17.6	17.5	17.4	17.3	17.1
5X	17.0	16.8	16.7	16.5	16.2
6X	15.9	15.6	15.3	15.0	14.6
7X	14.2	13.9	13.6	13.2	12.9
8X	12.5	12.1	11.5	10.9	0.0
9X	0.0	0.0	0.0	0.0	0.0
10X	0.0				

THE NOGO PERCENT OF AREA IS-14.12.

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	0	0.00	0.00	4	0.08	21.33	4	0.31	23.25
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00	654	53.36	25.64
3 POWER/RES	1035	97.93	11.00	1056	77.63	21.12	9	0.54	16.79
4 VISIBILITY	2	0.06	17.49	98	11.41	18.19	496	41.61	18.07
5 MANEUVER	27	2.47	8.85	234	22.15	16.78	204	21.72	18.81
6 MANEUVER	66	5.08	9.97	70	7.83	17.83	73	8.11	19.03
7 OBS IMPACT	44	3.15	10.00	149	8.36	10.00	114	7.04	10.00
8 OBS FORCE	701	57.79	7.97	895	65.03	11.18	535	44.18	8.10
9 DRVR.PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>1875</b>	<b>166.49</b>	<b>9.87</b>	<b>2506</b>	<b>192.48</b>	<b>16.47</b>	<b>2089</b>	<b>176.85</b>	<b>17.68</b>
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		421	15.86	
-2 SOIL/SLOPE	632	26.11		0	0.00		0	0.00	
-3 OBS INTRF	2	0.03		6	0.17		4	0.13	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	16	1.23		13	1.19		11	1.00	
-6 OBS FORCE	0	0.00		0	0.00		0	0.00	
<b>TOTAL</b>	<b>650</b>	<b>27.36</b>		<b>19</b>	<b>1.36</b>		<b>436</b>	<b>17.00</b>	

THE VEHICLE IS M977 10 TON HEMTT THE GEOGRAPHIC AREA IS MIDEAST PRIMARY ROAD  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

X=0	2	4	6	8
55.0	55.0	55.0	55.0	55.0
1X	55.0	55.0	55.0	55.0
2X	55.0	55.0	55.0	55.0
3X	55.0	55.0	55.0	55.0
4X	55.0	55.0	55.0	43.9
5X	43.9	43.9	43.9	43.9
6X	43.9	43.9	43.9	43.9
7X	43.9	43.9	43.9	43.9
8X	43.9	43.9	42.3	40.8
9X	40.0	40.0	34.0	29.0
10X	10.0			

SPEED IN UNIT

ACCUMULATED PERCENT AREA

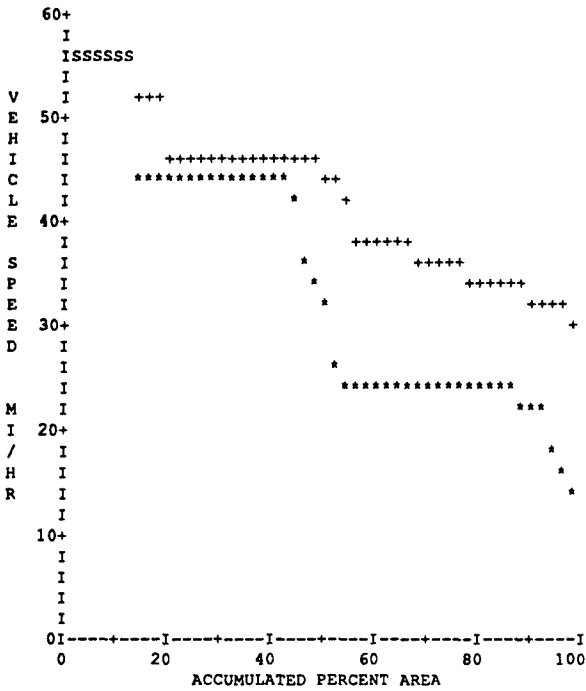
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55.0	55.0	55.0	55.0	55.0
1X	55.0	55.0	55.0	55.0
2X	55.0	55.0	55.0	55.0
3X	55.0	55.0	55.0	55.0
4X	55.0	55.0	55.0	51.9
5X	51.9	51.9	51.9	51.9
6X	49.3	49.3	49.3	49.3
7X	49.3	49.3	49.3	49.3
8X	49.3	49.3	48.8	48.8
9X	48.6	48.4	47.9	47.2
10X	44.0			

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	5	0.46	38.93	0	0.00	0.00
4 CURVATURE	33	2.09	30.02	36	2.13	30.14
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	11	14.89	49.61	13	15.31	49.51
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>49</b>	<b>17.43</b>	<b>46.99</b>	<b>49</b>	<b>17.43</b>	<b>47.15</b>

THE VEHICLE IS M977 10 TON HEMTT THE GEOGRAPHIC AREA IS MIDEAST SECOND ROADS  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	55.0	55.0	55.0	55.0	55.0
1X	55.0	55.0	43.9	43.9	43.9
2X	43.9	43.9	43.9	43.9	43.9
3X	43.9	43.9	43.9	43.9	43.9
4X	43.9	43.6	42.6	36.0	34.6
5X	32.0	26.0	24.8	24.8	24.8
6X	24.8	24.8	24.8	24.8	24.8
7X	24.8	24.8	24.8	24.8	24.8
8X	24.8	24.8	24.5	23.0	23.0
9X	21.2	21.1	18.0	16.8	13.5
10X	0.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

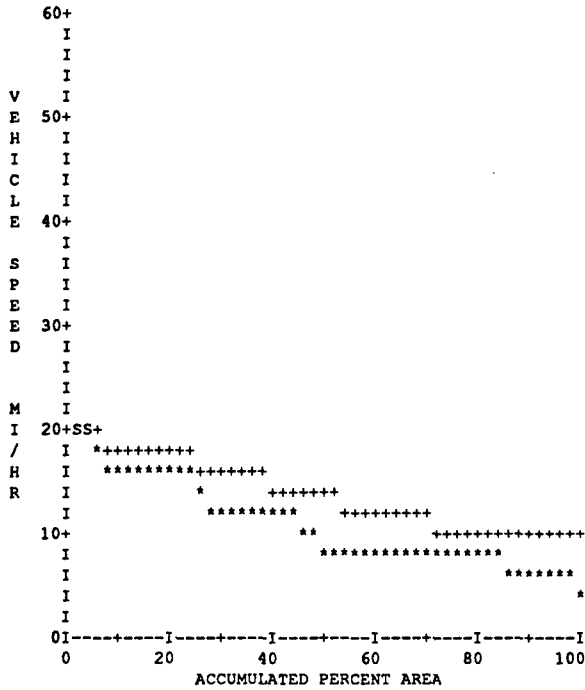
	X=0	2	4	6	8
	55.0	55.0	55.0	55.0	55.0
1X	55.0	55.0	51.5	51.5	51.3
2X	46.8	46.8	46.8	46.8	46.8
3X	46.8	46.8	46.8	46.8	46.8
4X	46.8	46.7	46.6	46.0	45.6
5X	44.8	43.4	42.0	38.6	38.6
6X	38.6	38.6	37.0	37.0	36.9
7X	36.6	35.4	35.4	35.3	34.9
8X	34.4	34.2	33.7	33.6	33.3
9X	32.5	32.4	32.0	31.4	30.1
10X	0.0				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	81	15.97	20.29	0	0.00	0.00
4 CURVATURE	44	7.42	26.52	77	8.62	26.46
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	33	56.48	37.97	81	71.25	37.78
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	158	79.87	33.37	158	79.87	36.56

THE VEHICLE IS M977 10 TON HEMTT THE GEOGRAPHIC AREA IS MIDEAST TRAILS  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	20.5	20.5	20.1	18.0	16.7
1X	16.7	16.7	16.7	16.7	16.7
2X	16.7	16.2	15.6	13.7	12.1
3X	12.1	12.1	12.1	12.1	12.1
4X	12.1	12.1	12.1	10.4	9.4
5X	8.9	8.8	7.5	7.5	7.5
6X	7.5	7.5	7.5	7.5	7.5
7X	7.5	7.5	7.5	7.5	7.5
8X	7.5	7.5	7.5	6.3	6.3
9X	6.3	6.3	6.3	6.3	6.3
10X	3.5				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

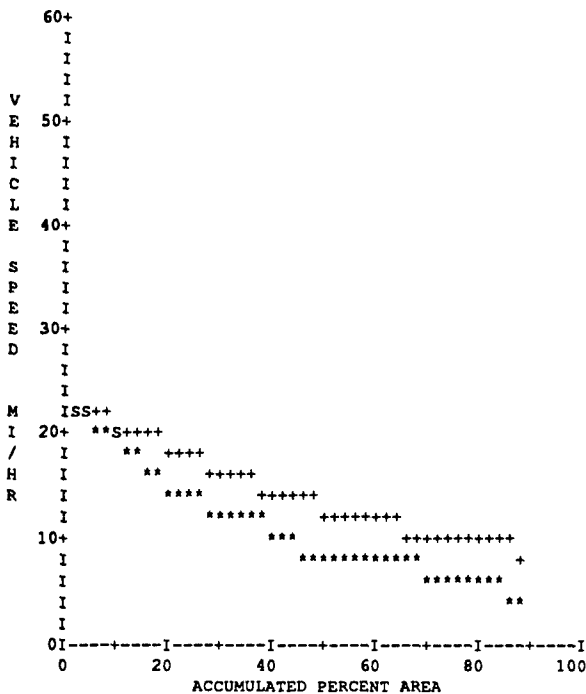
	X=0	2	4	6	8
	20.5	20.5	20.3	19.8	18.4
1X	18.4	17.8	17.8	17.7	17.6
2X	17.5	17.3	17.3	16.9	15.8
3X	15.8	15.8	15.1	15.1	15.1
4X	14.8	14.7	14.6	14.4	14.1
5X	13.8	13.5	12.4	12.4	12.4
6X	12.2	11.8	11.7	11.5	11.0
7X	11.0	11.0	10.9	10.8	10.5
8X	10.5	10.4	10.3	10.1	10.1
9X	9.8	9.8	9.7	9.5	9.5
10X	9.3				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	108	7.39	11.31	0	0.00	0.00
4 CURVATURE	54	1.09	8.29	67	1.37	9.36
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	233	32.51	10.20	328	39.63	11.54
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>395</b>	<b>41.00</b>	<b>10.35</b>	<b>395</b>	<b>41.00</b>	<b>11.47</b>

THE VEHICLE IS M977 10 TON HEMTT THE GEOGRAPHIC AREA IS TV3254IV  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA	
X=0	2 4 6 8
22.5	22.3 21.3 20.5 20.5
1X	20.1 18.7 18.0 16.7 15.3
2X	14.6 14.2 13.9 13.1 12.1
3X	12.1 11.9 11.0 11.0 11.0
4X	10.0 9.4 9.2 8.7 8.1
5X	7.9 7.5 7.5 7.5 7.5
6X	7.5 7.3 7.3 7.3 7.0
7X	6.8 6.4 6.3 6.0 6.0
8X	6.0 5.7 5.4 4.5 3.3
9X	0.0 0.0 0.0 0.0 0.0
10X	0.0

SPEED IN UNIT	
ACCUMULATED PERCENT AREA	
X=0	2 4 6 8
22.5	22.3 22.0 21.1 21.1
1X	21.0 20.7 20.2 19.7 19.3
2X	18.5 18.0 17.8 17.4 16.7
3X	16.4 16.0 15.7 15.3 15.0
4X	14.6 14.3 13.9 13.6 13.2
5X	12.9 12.6 12.2 11.5 11.5
6X	11.5 11.3 11.0 10.9 10.8
7X	10.6 10.4 10.2 10.0 9.9
8X	9.7 9.6 9.4 9.2 8.8
9X	0.0 0.0 0.0 0.0 0.0
10X	0.0

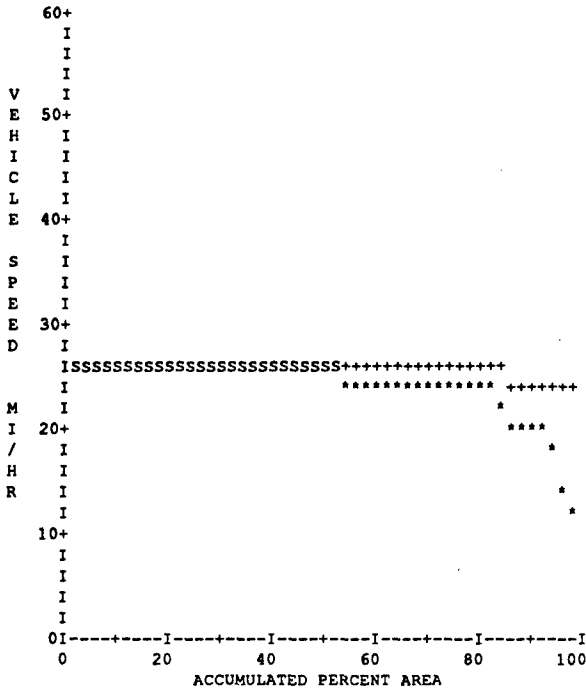
AVERAGE SPEED	
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THE NOGO PERCENT OF AREA IS-12.20.

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	644	50.14	10.80	896	64.32	12.08	893	64.18	12.06
2 TIRE CONST	0	0.00	0.00	12	0.31	22.79	12	0.31	22.79
3 POWER/RES	256	14.51	13.11	0	0.00	0.00	0	0.00	0.00
4 VISIBILITY	14	0.39	17.61	31	1.67	17.48	34	1.81	15.88
5 MANEUVER	19	0.91	17.55	19	0.96	17.61	19	0.96	17.61
6 MANEUVER	7	0.78	7.01	1	0.03	7.05	1	0.03	7.05
7 OBS IMPACT	18	2.05	10.00	22	2.28	10.00	22	2.28	10.00
8 OBS FORCE	348	16.19	6.21	325	15.40	6.39	325	15.40	6.51
9 DRVR PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>1306</b>	<b>84.97</b>	<b>10.37</b>	<b>1306</b>	<b>84.97</b>	<b>11.20</b>	<b>1306</b>	<b>84.97</b>	<b>11.18</b>
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		0	0.00	
-2 SOIL/SLOPE	1	0.02		0	0.00		0	0.00	
-3 OBS INTRF	276	11.79		277	11.81		277	11.81	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	0	0.00		0	0.00		0	0.00	
-6 OBS FORCE	0	0.00		0	0.00		0	0.00	
<b>TOTAL</b>	<b>277</b>	<b>11.81</b>		<b>277</b>	<b>11.81</b>		<b>277</b>	<b>11.81</b>	



THE VEHICLE IS M977 10 TON HEMTT THE GEOGRAPHIC AREA IS MIDEAST SECOND ROADS  
 THE SEASON IS DRY SAND



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	25.6	25.6	25.6	25.6	25.6
1X	25.6	25.6	25.6	25.6	25.6
2X	25.6	25.6	25.6	25.6	25.6
3X	25.6	25.6	25.6	25.6	25.6
4X	25.6	25.6	25.6	25.6	25.6
5X	25.6	25.6	24.8	24.8	24.8
6X	24.8	24.8	24.8	24.8	24.8
7X	24.8	24.8	24.8	24.8	24.8
8X	24.8	24.1	23.0	20.9	20.9
9X	20.8	20.2	18.0	14.7	12.1
10X	0.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

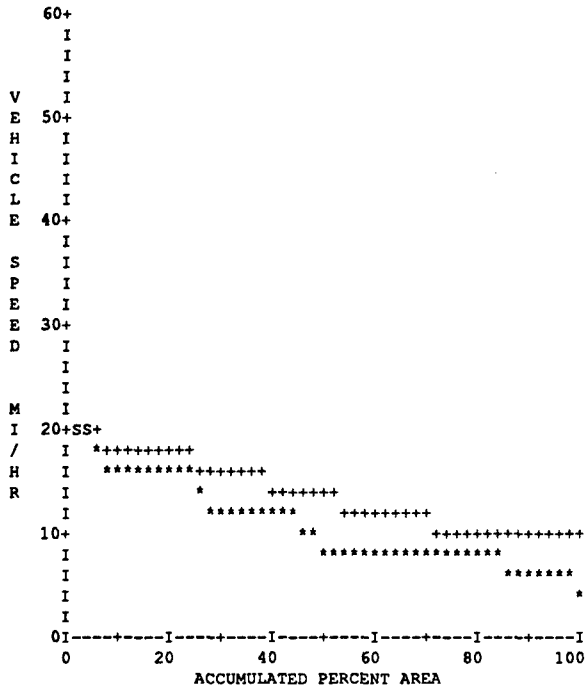
	X=0	2	4	6	8
	25.6	25.6	25.6	25.6	25.6
1X	25.6	25.6	25.6	25.6	25.6
2X	25.6	25.6	25.6	25.6	25.6
3X	25.6	25.6	25.6	25.6	25.6
4X	25.6	25.6	25.6	25.6	25.6
5X	25.6	25.6	25.5	25.5	25.5
6X	25.5	25.4	25.4	25.4	25.4
7X	25.4	25.4	25.4	25.3	25.3
8X	25.3	25.3	25.3	25.0	25.0
9X	24.9	24.8	24.7	24.4	23.5
10X	0.0				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	22	41.03	25.64	53	47.70	25.64
3 POWER/RES	75	13.58	15.63	0	0.00	0.00
4 CURVATURE	36	2.89	19.32	51	3.43	19.42
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	25	22.37	24.79	54	28.74	24.79
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	158	79.87	23.47	158	79.87	25.06

THE VEHICLE IS M977 10 TON HEMTT THE GEOGRAPHIC AREA IS MIDEAST TRAILS  
 THE SEASON IS DRY SAND



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	20.5	20.5	20.1	18.0	16.7
1X	16.7	16.7	16.7	16.7	16.7
2X	16.7	16.2	15.6	13.7	12.1
3X	12.1	12.1	12.1	12.1	12.1
4X	12.1	12.1	12.1	10.4	9.4
5X	8.9	8.8	7.5	7.5	7.5
6X	7.5	7.5	7.5	7.5	7.5
7X	7.5	7.5	7.5	7.5	7.5
8X	7.5	7.5	7.5	6.3	6.3
9X	6.3	6.3	6.3	6.3	6.3
10X	3.6				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

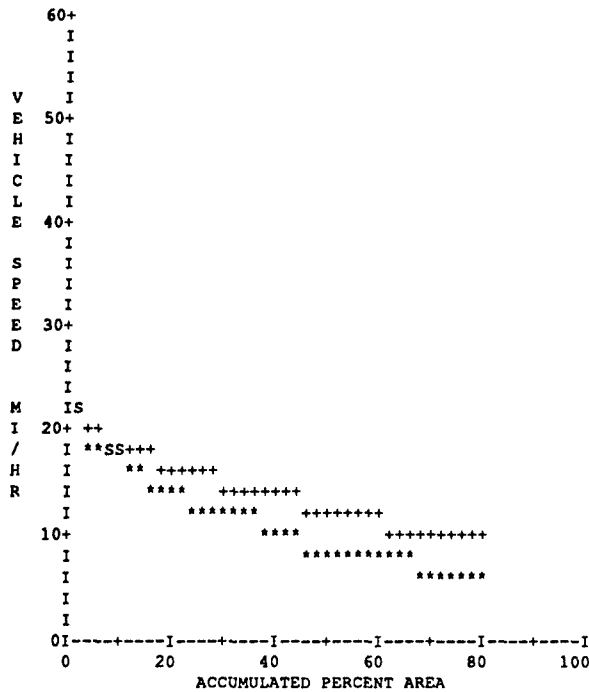
	X=0	2	4	6	8
	20.5	20.5	20.3	19.9	18.4
1X	18.4	17.8	17.8	17.7	17.6
2X	17.5	17.3	17.3	16.9	15.8
3X	15.8	15.8	15.1	15.1	15.1
4X	14.8	14.7	14.6	14.4	14.1
5X	13.8	13.5	12.4	12.4	12.4
6X	12.2	11.8	11.8	11.5	11.0
7X	11.0	11.0	10.9	10.8	10.5
8X	10.5	10.4	10.3	10.1	10.1
9X	9.8	9.8	9.7	9.5	9.5
10X	9.3				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	108	7.39	11.32	0	0.00	0.00
4 CURVATURE	54	1.09	8.29	67	1.37	9.37
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	233	32.51	10.20	328	39.63	11.54
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TTP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>395</b>	<b>41.00</b>	<b>10.35</b>	<b>395</b>	<b>41.00</b>	<b>11.47</b>

THE VEHICLE IS M977 10 TON HEMTT THE GEOGRAPHIC AREA IS MID-EAST SAND OCT 83  
 THE SEASON IS DRY SAND



ACCUMULATED PERCENT AREA		X=0	2	4	6	8
		22.3	21.5	18.6	17.2	17.0
1X		17.0	16.2	15.5	14.7	14.2
2X		14.0	13.2	12.6	12.1	12.1
3X		11.9	11.6	11.0	11.0	10.6
4X		10.0	10.0	9.3	8.7	8.1
5X		7.6	7.5	7.5	7.5	7.5
6X		7.3	7.3	7.3	7.2	6.8
7X		6.3	6.1	6.0	5.9	5.7
8X		5.0	0.0	0.0	0.0	0.0
9X		0.0	0.0	0.0	0.0	0.0
10X		0.0				

SPEED IN UNIT

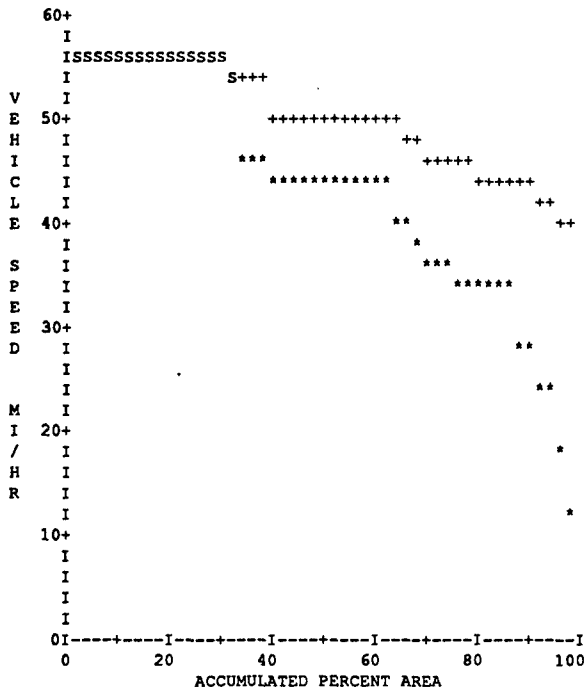
ACCUMULATED PERCENT AREA		X=0	2	4	6	8
		22.3	22.1	20.4	19.2	18.2
1X		18.2	17.9	17.5	17.2	16.6
2X		16.4	16.1	15.8	15.3	15.1
3X		14.8	14.6	14.3	14.1	13.9
4X		13.5	13.4	13.2	12.9	12.6
5X		12.3	11.9	11.2	11.2	11.2
6X		11.1	10.8	10.7	10.6	10.4
7X		10.2	10.1	9.9	9.7	9.5
8X		9.4	0.0	0.0	0.0	0.0
9X		0.0	0.0	0.0	0.0	0.0
10X		0.0				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS 20.03

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	469	38.13	9.41	1147	68.69	11.23	817	53.38	10.71
2 TIRE CONST	0	0.00	0.00	2	0.06	25.64	1	0.01	25.64
3 POWER/RES	561	23.80	10.26	0	0.00	0.00	0	0.00	0.00
4 VISIBILITY	27	5.20	17.36	204	13.55	16.61	368	19.26	13.14
5 MANEUVER	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
6 MANEUVER	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
7 OBS IMPACT	11	1.96	10.00	11	1.96	10.00	11	1.96	10.00
8 OBS FORCE	147	8.31	6.69	138	7.92	6.49	138	7.92	6.56
9 DRVR. PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>1215</b>	<b>77.40</b>	<b>9.93</b>	<b>1502</b>	<b>92.18</b>	<b>11.59</b>	<b>1335</b>	<b>82.52</b>	<b>10.86</b>
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		167	9.67	
-2 SOIL/SLOPE	287	14.78		0	0.00		0	0.00	
-3 OBS INTRF	81	4.60		81	4.60		81	4.60	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	0	0.00		0	0.00		0	0.00	
-6 OBS FORCE	0	0.00		0	0.00		0	0.00	
<b>TOTAL</b>	<b>368</b>	<b>19.38</b>		<b>81</b>	<b>4.60</b>		<b>248</b>	<b>14.26</b>	

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE THE GEOGRAPHIC AREA IS PRIMARY ROADS RT5520  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	55.0	55.0	55.0	55.0	55.0
1X	55.0	55.0	55.0	55.0	55.0
2X	55.0	55.0	55.0	55.0	55.0
3X	55.0	55.0	45.9	45.9	45.1
4X	43.9	43.9	43.9	43.9	43.9
5X	43.9	43.9	43.9	43.9	43.9
6X	43.9	43.1	40.2	40.0	37.3
7X	35.8	35.8	35.8	34.7	34.0
8X	33.1	33.1	33.1	33.0	29.0
9X	29.0	24.0	23.0	18.0	13.0
10X	0.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

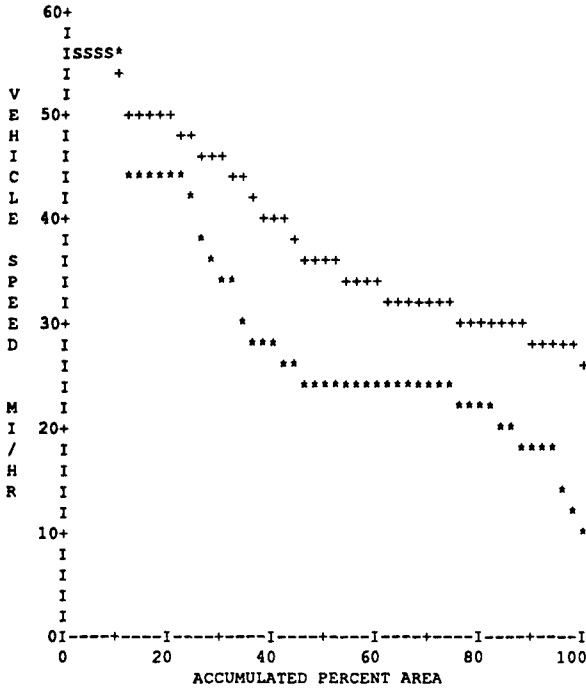
	X=0	2	4	6	8
	55.0	55.0	55.0	55.0	55.0
1X	55.0	55.0	55.0	55.0	55.0
2X	55.0	55.0	55.0	55.0	55.0
3X	55.0	55.0	53.6	53.6	53.5
4X	50.2	50.2	50.2	50.2	50.2
5X	50.2	50.2	50.2	49.6	49.6
6X	49.6	49.3	49.1	48.8	48.4
7X	46.8	46.8	46.8	46.6	46.2
8X	44.6	44.6	44.6	44.5	44.1
9X	43.6	42.8	42.2	41.0	39.7
10X	0.0				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	41	19.48	31.08	0	0.00	0.00
4 CURVATURE	71	9.47	24.27	98	12.15	27.17
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	10	33.26	50.53	24	50.05	50.24
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TTP	0	0.00	0.00	0	0.00	0.00
TOTAL	122	62.20	40.44	122	62.20	45.74

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE THE GEOGRAPHIC AREA IS SECONDARY RDS RT5520  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	55.0	55.0	55.0	55.0	55.0
1X	55.0	43.9	43.9	43.9	43.9
2X	43.9	43.1	42.0	37.5	36.8
3X	34.9	33.2	29.4	28.6	27.8
4X	27.8	26.0	25.7	24.8	24.8
5X	24.8	24.8	24.8	24.8	24.8
6X	24.8	24.8	24.8	24.8	24.8
7X	24.8	23.4	23.3	23.0	22.9
8X	22.8	22.3	21.0	21.0	18.6
9X	18.0	18.0	17.5	14.7	13.0
10X	10.0				

SPEED IN UNIT

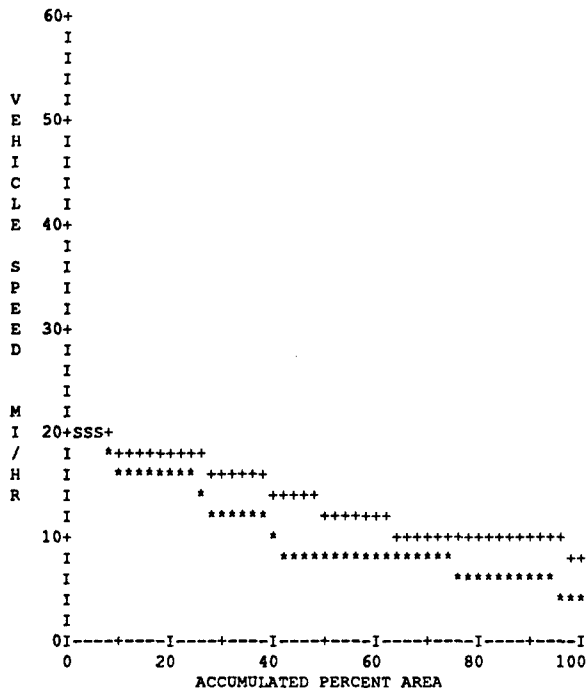
ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	55.0	55.0	55.0	55.0	55.0
1X	55.0	49.6	49.6	49.6	49.2
2X	49.1	48.5	47.6	46.2	46.2
3X	45.5	44.6	43.2	41.5	39.6
4X	39.6	39.1	38.0	36.6	36.5
5X	35.1	35.1	33.3	33.3	33.3
6X	33.2	32.5	32.5	32.2	31.8
7X	31.7	31.2	31.1	30.9	30.3
8X	30.3	30.1	29.5	29.5	29.3
9X	28.8	28.5	28.1	27.7	27.0
10X	25.8				

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	174	79.26	23.52	0	0.00	0.00
4 CURVATURE	104	24.14	18.61	187	33.59	21.00
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	41	86.11	35.53	132	155.92	35.99
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	319	189.50	28.35	319	189.50	33.33

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE THE GEOGRAPHIC AREA IS TRAILS RT5520R  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	20.5	20.5	20.5	19.5	17.9
1X	16.7	16.7	16.7	16.7	16.7
2X	15.8	15.8	15.7	14.4	12.2
3X	12.1	12.1	12.1	12.1	12.1
4X	11.0	9.0	7.5	7.5	7.5
5X	7.5	7.5	7.5	7.5	7.5
6X	7.5	7.5	7.5	7.5	7.5
7X	7.5	7.5	7.5	6.3	6.3
8X	6.3	6.3	6.3	6.3	6.3
9X	6.3	6.3	6.3	5.0	5.0
10X	5.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

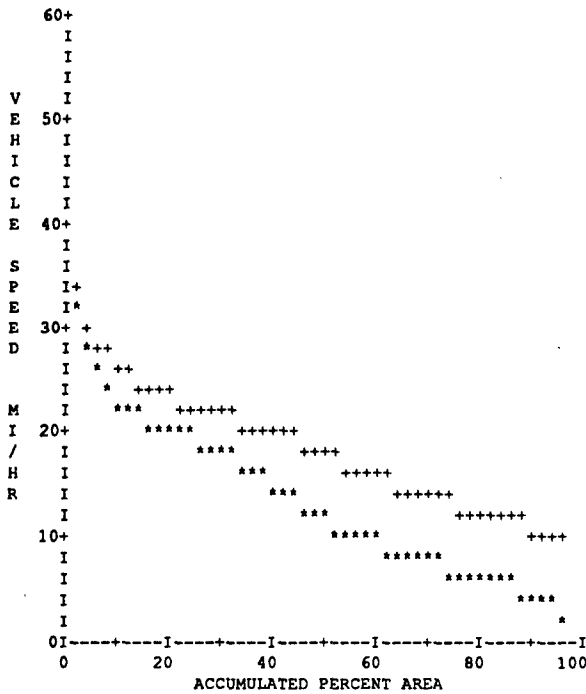
	X=0	2	4	6	8
	20.5	20.5	20.5	20.2	19.5
1X	18.6	18.5	18.1	18.0	17.8
2X	17.5	17.5	17.3	17.2	16.9
3X	15.7	15.7	15.7	15.4	15.2
4X	14.9	14.6	13.5	13.1	13.0
5X	12.3	12.3	11.7	11.7	11.6
6X	11.1	11.1	11.0	10.8	10.7
7X	10.6	10.4	10.3	10.2	9.9
8X	9.9	9.7	9.5	9.5	9.4
9X	9.3	9.1	9.1	9.0	8.9
10X	8.7				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	67	6.35	14.08	0	0.00	0.00
4 CURVATURE	122	3.53	7.38	135	3.75	7.91
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	287	35.24	9.69	341	41.37	10.77
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>476</b>	<b>45.12</b>	<b>10.13</b>	<b>476</b>	<b>45.12</b>	<b>10.53</b>

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE THE GEOGRAPHIC AREA IS EFQSS QUAD L5322  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

X=0	2	4	6	8
37.7	31.6	27.3	25.8	24.4
1X	22.9	22.3	21.6	20.9
2X	20.1	19.2	19.1	18.4
3X	17.4	17.0	16.6	15.6
4X	14.5	14.2	13.1	12.1
5X	11.0	10.5	10.0	9.8
6X	9.0	8.7	8.4	8.0
7X	7.8	7.3	7.0	6.6
8X	6.0	5.8	5.6	5.3
9X	3.6	3.3	3.2	2.5
10X	0.0			

SPEED IN UNIT

ACCUMULATED PERCENT AREA

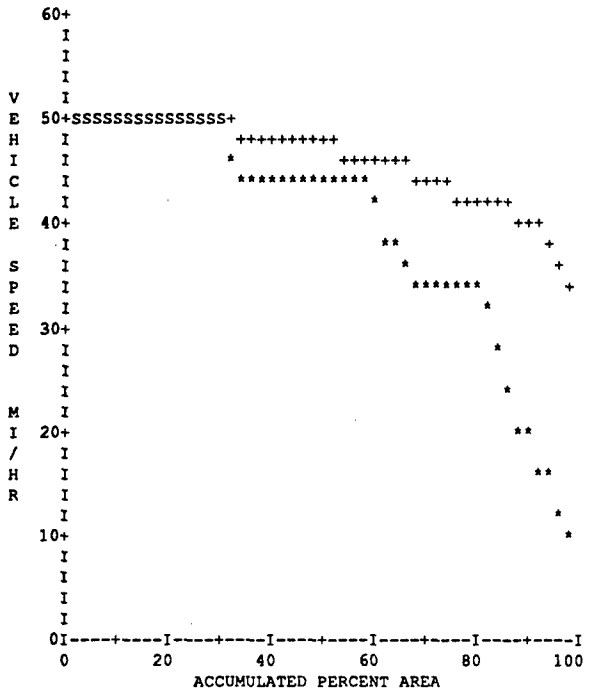
X=0	2	4	6	8
37.7	33.1	30.3	28.7	27.5
1X	26.3	25.7	25.0	24.4
2X	23.4	23.0	22.6	22.2
3X	21.5	21.2	20.9	20.5
4X	19.8	19.4	19.0	18.6
5X	17.5	17.3	16.8	16.1
6X	15.7	15.3	14.8	14.2
7X	13.9	13.6	13.3	12.9
8X	12.2	12.0	11.6	11.0
9X	10.5	10.0	9.7	9.3
10X	0.0			

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 3.92.

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED
<b>GO TERRAIN UNITS</b>									
1 RIDE	279	22.32	14.34	1110	77.50	18.13	1039	79.59	20.18
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	923	74.34	13.19	99	8.18	31.81	12	0.66	17.23
4 VISIBILITY	6	0.19	21.57	92	9.27	23.64	234	15.98	23.28
5 MANEUVER	146	17.75	9.03	290	31.36	13.11	267	30.53	12.98
6 MANEUVER	123	8.73	6.36	115	9.25	9.85	108	8.90	9.64
7 OBS IMPACT	76	5.19	10.00	132	7.25	10.00	121	6.96	10.00
8 OBS FORCE	764	57.73	8.05	667	49.51	8.54	605	46.06	7.42
9 DRVR. PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>2317</b>	<b>186.24</b>	<b>10.93</b>	<b>2505</b>	<b>192.31</b>	<b>14.99</b>	<b>2386</b>	<b>188.67</b>	<b>15.28</b>
<b>NOGO TERRAIN UNITS</b>									
-1 NO BRAKING	0	0.00		0	0.00		123	3.96	
-2 SOIL/SLOPE	176	5.55		0	0.00		0	0.00	
-3 OBS INTRF	1	0.01		2	0.03		1	0.01	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	26	1.75		18	1.50		15	1.20	
-6 OBS FORCE	5	0.29		0	0.00		0	0.00	
<b>TOTAL</b>	<b>208</b>	<b>7.60</b>		<b>20</b>	<b>1.53</b>		<b>139</b>	<b>5.18</b>	

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE THE GEOGRAPHIC AREA IS PRIMARY ROADS RT5520  
 THE SEASON IS WET



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	49.5	49.5	49.5	49.5	49.5
1X	49.5	49.5	49.5	49.5	49.5
2X	49.5	49.5	49.5	49.5	49.5
3X	49.5	46.2	43.9	43.9	43.9
4X	43.9	43.9	43.9	43.9	43.9
5X	43.9	43.9	43.9	43.9	43.6
6X	41.5	38.9	38.7	36.3	34.6
7X	34.6	34.6	34.5	33.1	33.1
8X	33.1	32.9	28.3	24.0	20.5
9X	20.5	17.0	17.0	12.7	9.2
10X	0.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

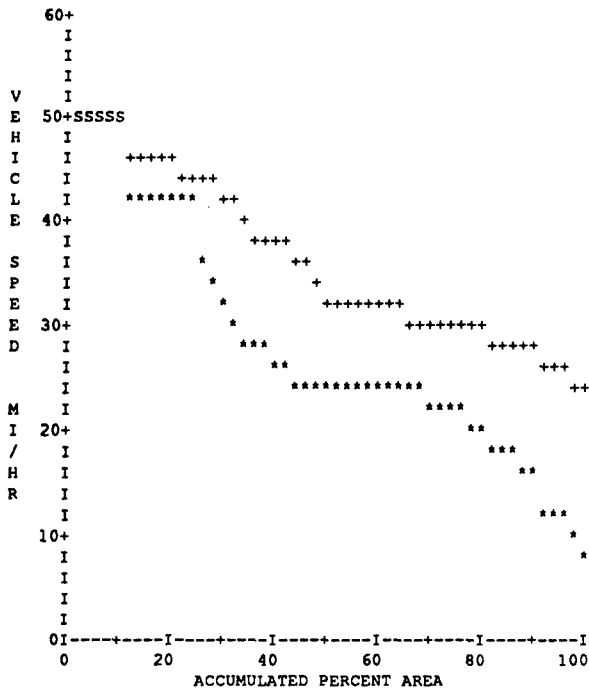
	X=0	2	4	6	8
	49.5	49.5	49.5	49.5	49.5
1X	49.5	49.5	49.5	49.5	49.5
2X	49.5	49.5	49.5	49.5	49.5
3X	49.5	49.5	47.4	47.4	47.4
4X	47.4	47.4	47.4	47.4	47.4
5X	47.2	47.2	46.8	46.8	46.7
6X	46.6	46.5	46.3	45.9	44.3
7X	44.3	44.3	44.3	42.9	42.9
8X	42.9	42.9	42.4	41.7	40.8
9X	40.2	39.0	38.1	36.5	35.0
10X	0.0				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	21	17.47	31.22	0	0.00	0.00
4 CURVATURE	98	31.94	38.13	114	41.80	40.43
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	3	12.79	43.89	8	20.40	43.89
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>122</b>	<b>62.20</b>	<b>37.37</b>	<b>122</b>	<b>62.20</b>	<b>41.57</b>

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE THE GEOGRAPHIC AREA IS SECONDARY RDS RT5520  
 THE SEASON IS WET



ACCUMULATED PERCENT AREA

X=0	2	4	6	8
49.5	49.5	49.5	49.5	49.5
1X	49.5	42.4	42.4	42.4
2X	42.4	41.3	41.3	37.0
3X	32.9	29.1	28.3	27.5
4X	25.5	25.4	24.8	24.8
5X	24.8	24.8	24.8	24.8
6X	24.8	24.8	24.8	23.4
7X	22.9	22.8	22.6	21.8
8X	19.3	18.4	18.4	17.3
9X	16.3	12.7	12.7	9.2
10X	7.1			

SPEED IN UNIT

ACCUMULATED PERCENT AREA

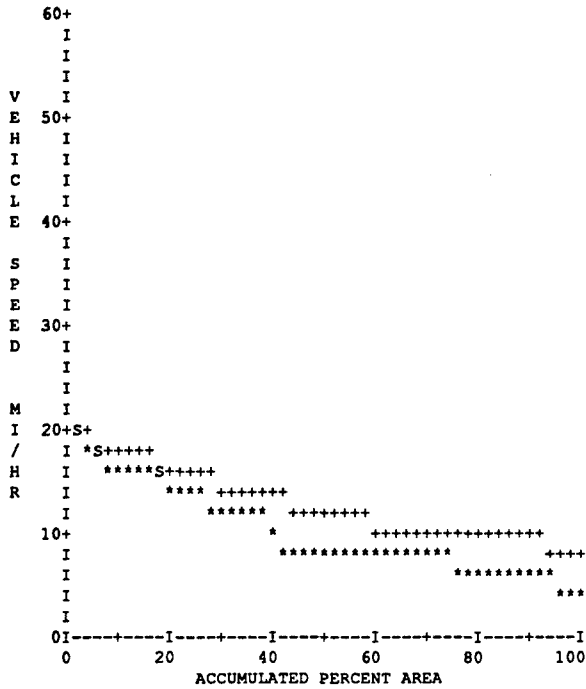
X=0	2	4	6	8
49.5	49.5	49.5	49.5	49.5
1X	49.5	46.2	46.2	46.2
2X	45.6	45.0	45.0	44.0
3X	42.6	41.7	40.1	38.5
4X	37.9	37.1	35.9	35.4
5X	32.8	32.8	32.8	32.7
6X	32.1	31.9	31.4	30.9
7X	30.4	30.4	30.1	29.8
8X	29.2	28.8	28.4	27.6
9X	27.2	26.7	26.1	25.5
10X	23.1			

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	131	67.94	22.45	0	0.00	0.00
4 CURVATURE	167	76.96	31.38	258	118.47	34.19
5 VISIBILITY	0	0.00	0.00	5	2.46	40.31
6 RIDE	21	44.60	24.79	56	68.58	24.79
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	319	189.50	26.63	319	189.50	30.87

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE THE GEOGRAPHIC AREA IS TRAILS RT5520R  
 THE SEASON IS WET



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	20.5	20.4	18.6	17.1	16.7
1X	16.7	16.7	16.3	15.6	15.0
2X	15.0	15.0	13.4	13.4	12.1
3X	12.1	12.1	12.1	12.1	12.1
4X	10.6	8.9	7.5	7.5	7.5
5X	7.5	7.5	7.5	7.5	7.5
6X	7.5	7.5	7.5	7.5	7.5
7X	7.5	7.5	7.5	6.3	6.3
8X	6.3	6.3	6.3	6.3	6.3
9X	6.3	6.3	6.3	5.0	5.0
10X	5.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

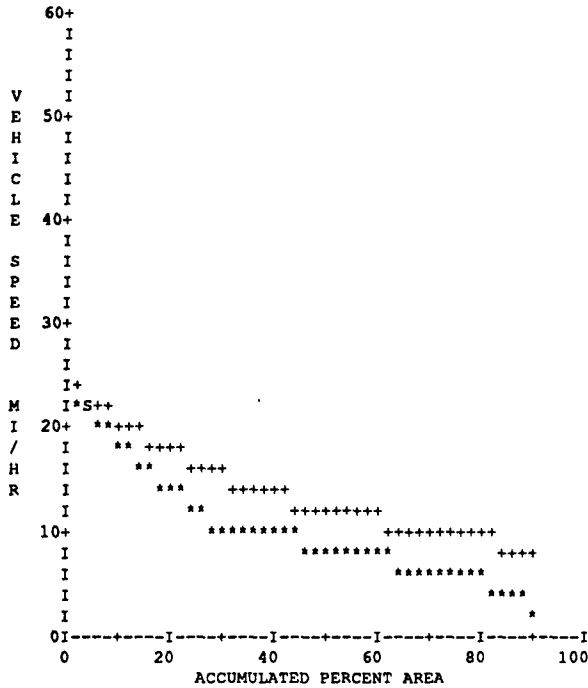
	X=0	2	4	6	8
	20.5	20.4	19.6	18.8	17.9
1X	17.9	17.6	17.5	17.2	16.8
2X	16.6	16.5	16.0	16.0	15.5
3X	14.9	14.9	14.9	14.7	14.5
4X	14.3	13.9	13.0	12.6	12.6
5X	11.9	11.9	11.3	11.3	11.3
6X	10.9	10.9	10.6	10.6	10.5
7X	10.4	10.2	10.1	10.0	9.8
8X	9.7	9.6	9.3	9.3	9.2
9X	9.1	9.0	9.0	8.9	8.8
10X	8.6				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	122	11.09	13.00	2	0.07	19.63
4 CURVATURE	112	3.29	6.80	135	3.75	7.85
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	242	30.73	8.67	339	41.30	10.75
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>476</b>	<b>45.12</b>	<b>9.60</b>	<b>476</b>	<b>45.12</b>	<b>10.52</b>

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE THE GEOGRAPHIC AREA IS EPOSS QUAD L5322  
 THE SEASON IS WET



ACCUMULATED PERCENT AREA		SPEED IN UNIT				
X=0	2	4	6	8		
29.2	22.8	21.3	20.2	19.1		
1X	18.0	17.0	16.2	15.5	14.6	
2X	13.9	13.5	12.2	11.4	10.8	
3X	10.3	10.2	10.0	9.9	9.7	
4X	9.5	9.3	9.0	8.9	8.7	
5X	8.5	8.3	8.1	8.0	7.6	
6X	7.4	7.2	7.0	6.7	6.4	
7X	6.2	6.0	5.9	5.6	5.4	
8X	5.1	4.6	3.7	3.3	3.2	
9X	2.5	0.0	0.0	0.0	0.0	
10X	0.0					

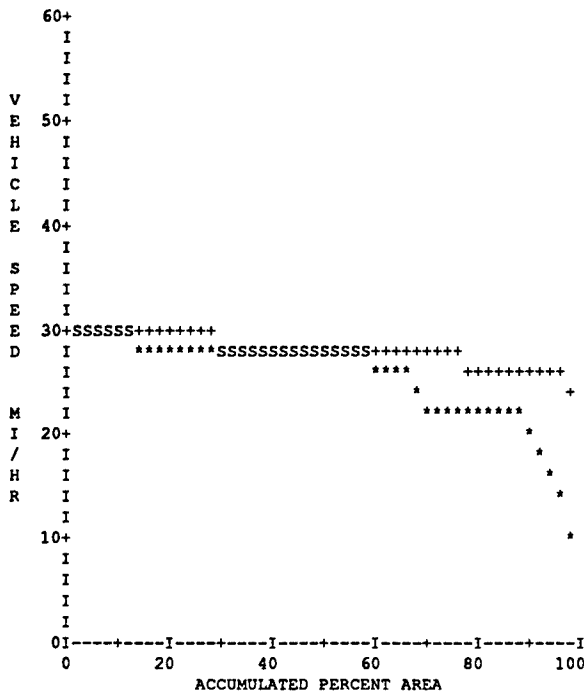
  

ACCUMULATED PERCENT AREA		AVERAGE SPEED				
X=0	2	4	6	8		
29.2	24.7	22.7	22.1	21.3		
1X	20.6	19.9	19.4	18.8	18.2	
2X	17.7	17.2	16.7	16.2	15.7	
3X	15.1	14.6	14.3	14.0	13.6	
4X	13.4	13.1	12.8	12.5	12.4	
5X	12.1	11.9	11.7	11.5	11.3	
6X	11.2	11.0	10.8	10.6	10.4	
7X	10.2	10.0	9.8	9.6	9.5	
8X	9.3	9.1	8.8	8.5	8.2	
9X	7.9	0.0	0.0	0.0	0.0	
10X	0.0					

THE NOGO PERCENT OF AREA IS-10.16.

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	91	6.61	11.15	496	31.50	15.08	694	51.46	16.72
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	997	89.64	8.75	730	65.14	11.64	289	31.05	15.97
4 VISIBILITY	8	0.62	18.55	79	4.52	21.30	300	15.13	17.76
5 MANEUVER	89	9.65	6.84	186	18.37	10.34	220	25.98	11.70
6 MANEUVER	116	9.38	5.76	116	9.40	7.36	94	8.37	7.89
7 OBS IMPACT	42	2.41	10.00	100	5.04	10.00	113	6.07	10.00
8 OBS FORCE	711	55.85	6.59	790	58.02	7.77	661	50.18	7.96
9 DRVR.PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>2054</b>	<b>174.15</b>	<b>7.94</b>	<b>2497</b>	<b>191.97</b>	<b>10.89</b>	<b>2371</b>	<b>188.22</b>	<b>13.04</b>
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		136	4.29	
-2 SOIL/SLOPE	427	16.83		3	0.18		1	0.01	
-3 OBS INTRF	1	0.01		2	0.03		1	0.01	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	35	2.38		23	1.66		16	1.31	
-6 OBS FORCE	8	0.47		0	0.00		0	0.00	
<b>TOTAL</b>	<b>471</b>	<b>19.70</b>		<b>28</b>	<b>1.87</b>		<b>154</b>	<b>5.62</b>	

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE THE GEOGRAPHIC AREA IS PRIMARY ROADS RT5520  
 THE SEASON IS SNOW



ACCUMULATED PERCENT AREA	
X=0	2 4 6 8
29.9	29.9 29.9 29.9 29.9
1X	29.9 29.9 28.4 28.4 28.4
2X	28.4 28.4 28.4 28.4 28.4
3X	28.4 28.4 28.4 28.4 28.4
4X	28.4 28.4 28.4 28.4 28.4
5X	28.4 28.4 28.4 28.0 27.1
6X	26.1 26.1 26.1 25.3 24.1
7X	22.9 21.6 21.6 21.6 21.6
8X	21.6 21.6 21.6 21.6 21.6
9X	19.5 17.9 16.1 13.4 9.7
10X	0.0

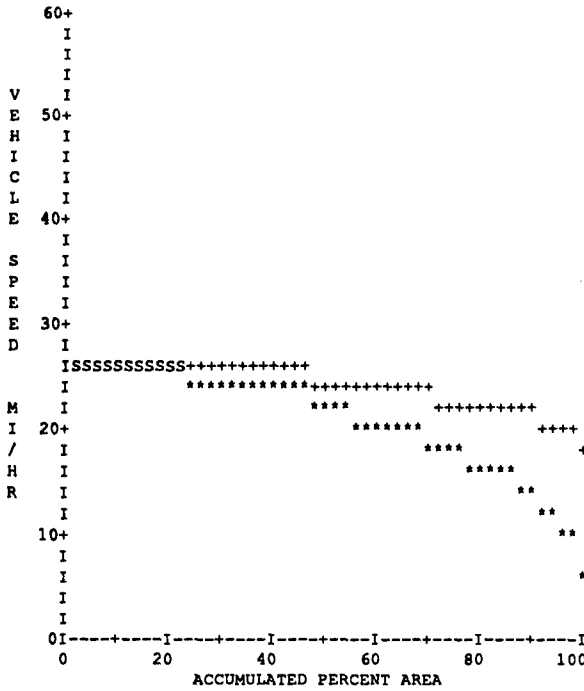
  

SPEED IN UNIT	
ACCUMULATED PERCENT AREA	
X=0	2 4 6 8
29.9	29.9 29.9 29.9 29.9
1X	29.9 29.9 29.0 29.0 29.0
2X	29.0 29.0 29.0 29.0 29.0
3X	29.0 28.9 28.9 28.9 28.9
4X	28.8 28.8 28.8 28.8 28.8
5X	28.8 28.7 28.7 28.7 28.7
6X	28.4 28.4 28.4 28.3 28.2
7X	28.0 27.2 27.2 27.2 26.6
8X	26.6 26.6 26.6 26.5 26.4
9X	26.3 26.0 25.7 25.2 24.7
10X	0.0

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	11	16.64	40.95
3 POWER/RES	66	54.44	23.70	13	34.22	29.89
4 CURVATURE	56	7.76	15.56	98	11.34	19.49
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	0	0.00	0.00	0	0.00	0.00
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>122</b>	<b>62.20</b>	<b>22.68</b>	<b>122</b>	<b>62.20</b>	<b>30.95</b>

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE THE GEOGRAPHIC AREA IS SECONDARY RDS RT5520  
 THE SEASON IS SNOW



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	26.1	26.1	26.1	26.1	26.1
1X	26.1	26.1	26.1	26.1	25.6
2X	25.6	25.6	24.3	24.3	24.3
3X	24.3	24.3	24.3	24.3	24.3
4X	24.1	24.1	24.1	23.7	22.9
5X	22.4	21.6	21.6	20.9	20.3
6X	19.9	19.3	19.2	19.2	19.2
7X	18.2	17.7	17.7	17.1	16.7
8X	16.4	16.0	15.8	15.2	14.1
9X	13.4	13.0	11.8	10.3	9.7
10X	6.9				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

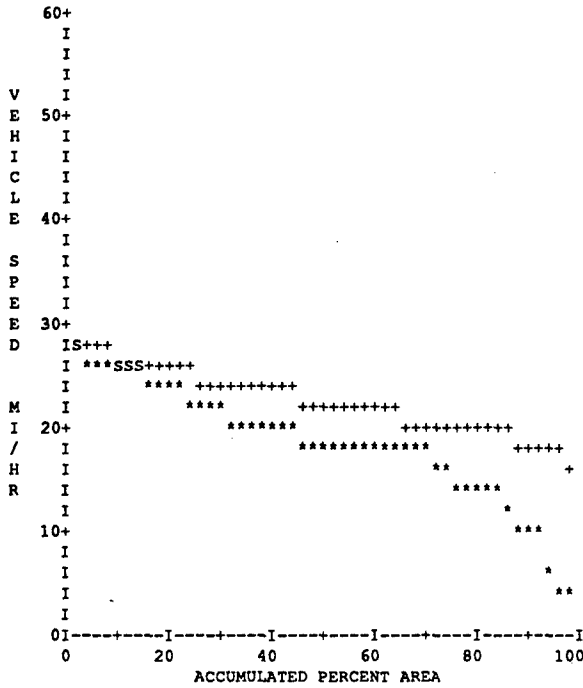
	X=0	2	4	6	8
	26.1	26.1	26.1	26.1	26.1
1X	26.1	26.1	26.1	26.1	26.1
2X	26.0	26.0	25.5	25.5	25.5
3X	25.5	25.3	25.3	25.3	25.3
4X	25.2	25.1	25.1	25.1	24.9
5X	24.9	24.7	24.5	24.5	24.1
6X	24.1	23.9	23.6	23.4	23.4
7X	23.3	22.9	22.8	22.7	22.5
8X	22.1	22.0	21.9	21.7	21.5
9X	21.1	20.9	20.6	20.3	19.8
10X	18.9				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	33	77.13	40.95
3 POWER/RES	235	169.34	17.27	17	64.58	28.51
4 CURVATURE	84	20.16	12.90	269	47.79	18.86
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	0	0.00	0.00	0	0.00	0.00
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>319</b>	<b>189.50</b>	<b>16.81</b>	<b>319</b>	<b>189.50</b>	<b>31.14</b>

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE THE GEOGRAPHIC AREA IS TRAILS RT5520R  
 THE SEASON IS SNOW



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	28.3	27.8	26.8	26.8	26.8
1X	26.0	26.0	25.7	24.7	24.1
2X	23.1	23.1	22.3	21.9	21.6
3X	21.6	20.8	20.8	20.8	20.8
4X	20.3	19.5	19.5	18.9	18.9
5X	18.9	18.5	18.5	18.4	18.4
6X	18.3	17.1	17.1	17.0	17.0
7X	17.0	16.6	16.0	14.9	14.7
8X	13.7	13.4	13.2	11.6	10.4
9X	10.4	10.4	6.7	3.7	3.7
10X	0.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

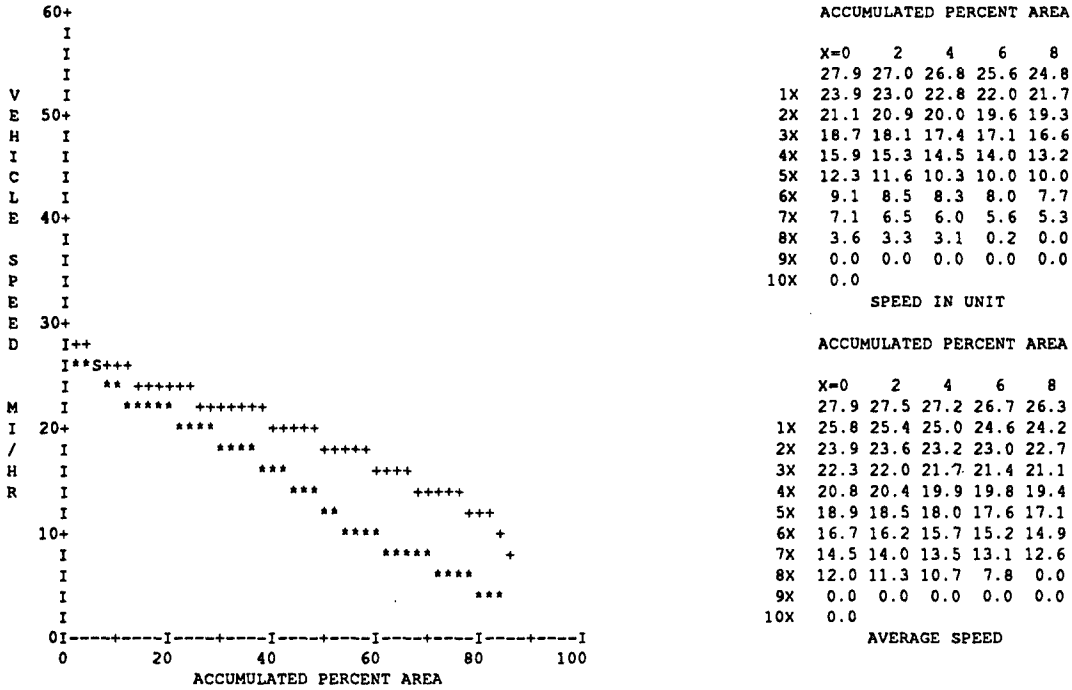
	X=0	2	4	6	8
	28.3	28.2	27.0	27.0	27.0
1X	26.7	26.7	26.7	26.2	26.2
2X	25.4	25.4	25.3	24.9	24.5
3X	24.5	23.9	23.8	23.8	23.5
4X	23.4	23.2	23.0	22.6	22.6
5X	22.4	22.1	22.0	21.8	21.7
6X	21.7	21.5	21.3	21.0	20.9
7X	20.9	20.7	20.6	20.4	20.2
8X	19.9	19.7	19.5	19.2	19.0
9X	18.6	18.3	17.8	17.2	16.0
10X	0.0				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	236	37.15	15.94	3	0.62	31.19
4 CURVATURE	238	7.75	9.33	409	21.48	23.00
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	2	0.22	22.33	64	23.02	27.73
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TTP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>476</b>	<b>45.12</b>	<b>14.84</b>	<b>476</b>	<b>45.12</b>	<b>25.53</b>

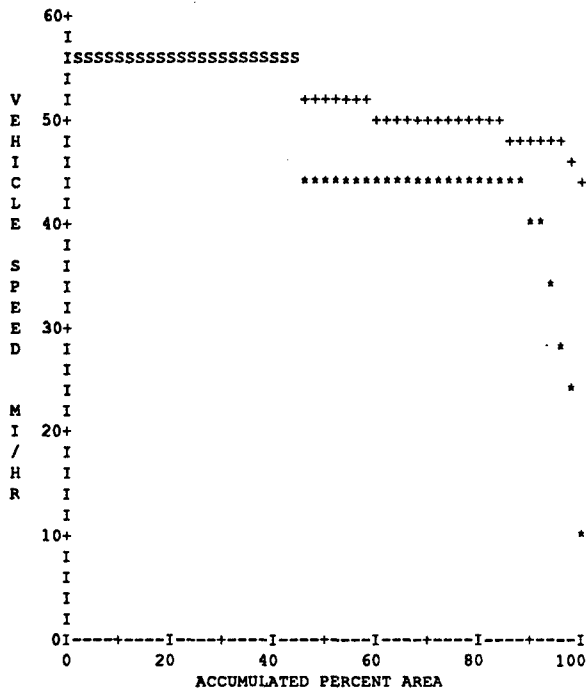
THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE THE GEOGRAPHIC AREA IS EFOSS QUAD L5322  
 THE SEASON IS SNOW



THE NOGO PERCENT OF AREA IS-14.79.

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	0	0.00	0.00	56	2.45	25.59	73	5.98	30.02
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00	243	21.88	40.95
3 POWER/RES	923	87.62	12.97	779	57.78	25.41	37	2.18	26.77
4 VISIBILITY	6	0.27	20.21	189	17.35	21.80	682	52.55	24.75
5 MANEUVER	108	11.42	7.67	320	30.08	13.25	271	29.82	14.42
6 MANEUVER	89	8.10	6.82	148	13.52	11.24	126	12.88	12.00
7 OBS IMPACT	65	3.98	10.00	141	7.81	10.00	108	6.59	10.00
8 OBS FORCE	666	53.80	8.45	870	63.29	11.86	546	44.76	8.02
9 DRVR PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>1857</b>	<b>165.18</b>	<b>10.77</b>	<b>2503</b>	<b>192.27</b>	<b>17.10</b>	<b>2086</b>	<b>176.62</b>	<b>19.50</b>
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		421	15.86	
-2 SOIL/SLOPE	632	26.11		0	0.00		0	0.00	
-3 OBS INTRF	1	0.01		2	0.03		1	0.01	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	34	2.47		20	1.54		17	1.35	
-6 OBS FORCE	1	0.08		0	0.00		0	0.00	
<b>TOTAL</b>	<b>668</b>	<b>28.67</b>		<b>22</b>	<b>1.57</b>		<b>439</b>	<b>17.23</b>	

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE THE GEOGRAPHIC AREA IS MIDEAST PRIMARY ROAD  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA	
X=0	2 4 6 8
55.0	55.0 55.0 55.0 55.0 55.0
1X	55.0 55.0 55.0 55.0 55.0
2X	55.0 55.0 55.0 55.0 55.0
3X	55.0 55.0 55.0 55.0 55.0
4X	55.0 55.0 55.0 43.9 43.9
5X	43.9 43.9 43.9 43.9 43.9
6X	43.9 43.9 43.9 43.9 43.9
7X	43.9 43.9 43.9 43.9 43.9
8X	43.9 43.9 43.9 43.9 43.6
9X	40.0 40.0 34.0 29.0 24.0
10X	10.0

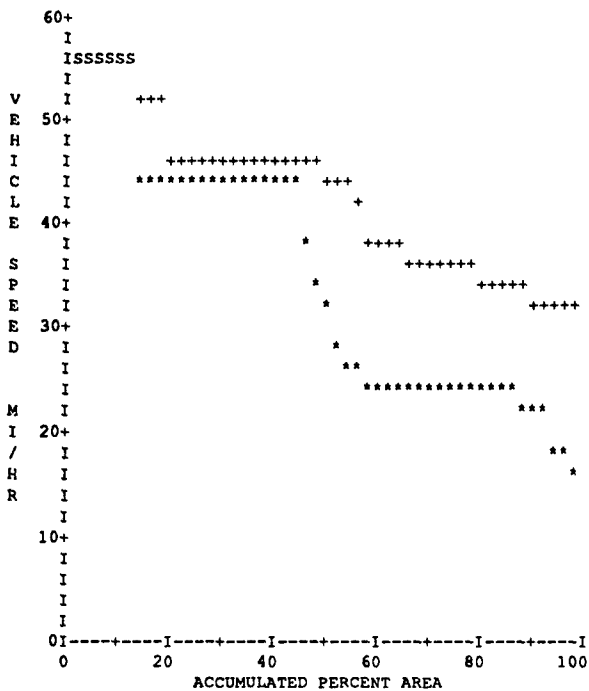
ACCUMULATED PERCENT AREA	
X=0	2 4 6 8
55.0	55.0 55.0 55.0 55.0 55.0
1X	55.0 55.0 55.0 55.0 55.0
2X	55.0 55.0 55.0 55.0 55.0
3X	55.0 55.0 55.0 55.0 55.0
4X	55.0 55.0 55.0 51.8 51.8
5X	51.8 51.8 51.8 51.8 51.8
6X	49.2 49.2 49.2 49.2 49.2
7X	49.2 49.2 49.2 49.2 49.2
8X	49.2 49.2 49.1 49.0 48.9
9X	48.7 48.5 48.0 47.2 46.7
10X	44.0

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	3	0.44	42.46	0	0.00	0.00
4 CURVATURE	35	2.11	30.06	36	2.13	30.14
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	11	14.89	49.61	13	15.31	49.51
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>49</b>	<b>17.43</b>	<b>47.07</b>	<b>49</b>	<b>17.43</b>	<b>47.15</b>

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE THE GEOGRAPHIC AREA IS MIDEAST SECOND ROADS  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	55.0	55.0	55.0	55.0	55.0
1X	55.0	55.0	43.9	43.9	43.9
2X	43.9	43.9	43.9	43.9	43.9
3X	43.9	43.9	43.9	43.9	43.9
4X	43.9	43.9	43.8	37.5	34.9
5X	32.0	27.8	26.6	26.0	24.8
6X	24.8	24.8	24.8	24.8	24.8
7X	24.8	24.8	24.8	24.8	24.8
8X	24.8	24.8	24.8	24.8	23.0
9X	22.9	22.8	18.0	17.8	16.9
10X	0.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

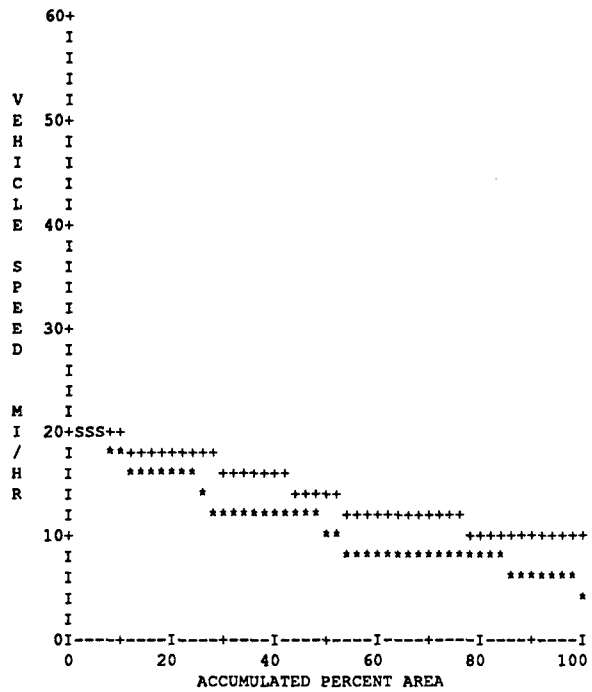
	X=0	2	4	6	8
	55.0	55.0	55.0	55.0	55.0
1X	55.0	55.0	51.5	51.5	51.3
2X	46.8	46.8	46.8	46.8	46.8
3X	46.8	46.8	46.8	46.8	46.8
4X	46.8	46.7	46.6	46.4	45.6
5X	45.0	43.5	43.3	42.3	38.1
6X	38.1	38.1	38.1	36.6	36.6
7X	36.6	36.5	35.1	35.1	35.1
8X	34.7	34.2	34.1	33.9	33.5
9X	32.9	32.8	32.5	31.9	31.2
10X	0.0				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	71	14.06	20.49	0	0.00	0.00
4 CURVATURE	50	7.62	26.33	77	8.62	26.46
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	37	58.19	38.08	81	71.25	37.78
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>158</b>	<b>79.87</b>	<b>33.86</b>	<b>158</b>	<b>79.87</b>	<b>36.56</b>

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE THE GEOGRAPHIC AREA IS MIDFAST TRAILS  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

X=0	2	4	6	8
20.5	20.5	20.5	19.7	18.1
1X	18.0	16.7	16.7	16.7
2X	16.7	16.7	16.7	14.7
3X	12.1	12.1	12.1	12.1
4X	12.1	12.1	12.1	11.0
5X	10.4	10.4	7.5	7.5
6X	7.5	7.5	7.5	7.5
7X	7.5	7.5	7.5	7.5
8X	7.5	7.5	6.3	6.3
9X	6.3	6.3	6.3	6.3
10X	3.6			

SPEED IN UNIT

ACCUMULATED PERCENT AREA

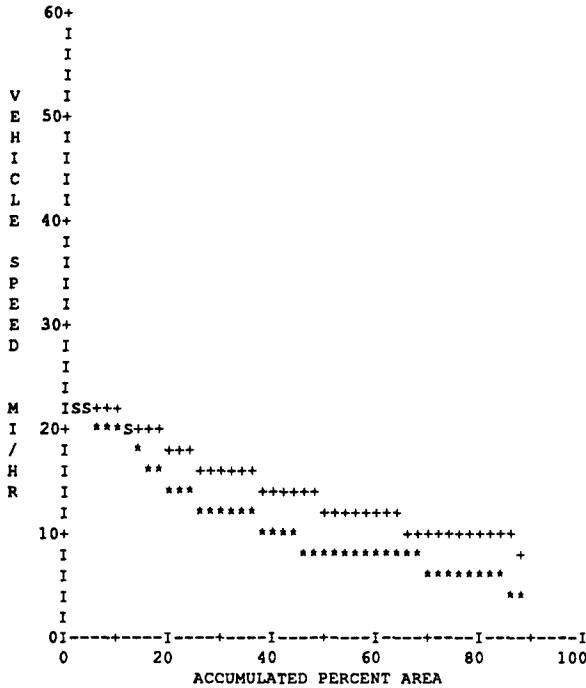
X=0	2	4	6	8
20.5	20.5	20.5	20.4	19.5
1X	19.3	18.5	18.5	18.0
2X	17.9	17.8	17.7	17.5
3X	16.0	16.0	15.9	15.3
4X	15.2	15.0	14.8	14.7
5X	14.2	14.1	12.8	12.8
6X	12.6	12.2	12.1	11.9
7X	11.3	11.3	11.2	11.0
8X	10.7	10.7	10.6	10.3
9X	10.0	10.0	9.8	9.7
10X	9.4			

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	81	5.88	12.12	0	0.00	0.00
4 CURVATURE	60	1.20	8.49	67	1.37	9.37
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	254	33.92	10.54	328	39.63	11.54
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>395</b>	<b>41.00</b>	<b>10.71</b>	<b>395</b>	<b>41.00</b>	<b>11.47</b>

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE THE GEOGRAPHIC AREA IS TV3254IV  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	27.4	22.3	21.9	20.5	20.5
1X	20.5	19.2	17.6	15.3	15.3
2X	14.2	14.2	13.6	12.1	12.1
3X	12.1	11.0	11.0	11.0	10.3
4X	10.2	10.0	9.4	8.7	8.1
5X	8.1	7.7	7.5	7.5	7.5
6X	7.5	7.5	7.3	7.3	7.2
7X	6.9	6.4	6.3	6.1	6.0
8X	6.0	5.8	5.5	4.8	3.4
9X	0.0	0.0	0.0	0.0	0.0
10X	0.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

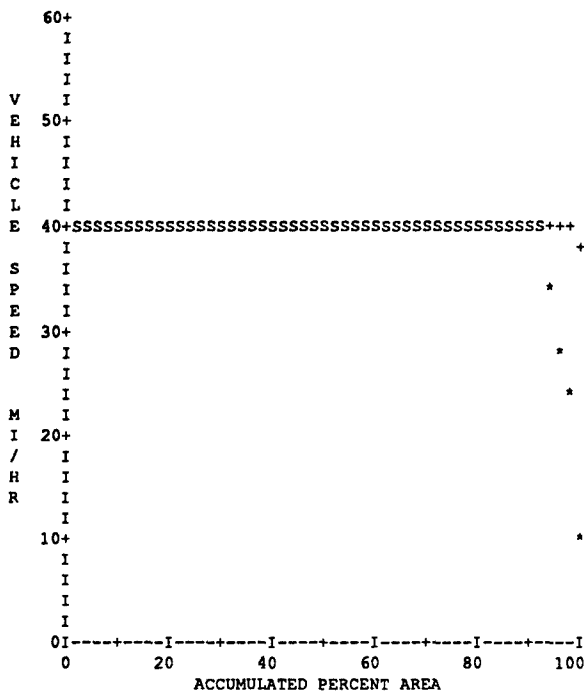
	X=0	2	4	6	8
	27.4	22.7	22.3	21.3	21.3
1X	21.2	21.0	20.6	19.6	19.2
2X	18.7	18.1	17.7	16.7	16.7
3X	16.2	15.8	15.4	15.1	14.7
4X	14.4	14.1	13.8	13.5	13.2
5X	12.8	12.6	12.2	11.5	11.5
6X	11.5	11.3	11.0	10.9	10.8
7X	10.6	10.4	10.3	10.0	9.9
8X	9.8	9.6	9.4	9.3	9.0
9X	0.0	0.0	0.0	0.0	0.0
10X	0.0				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS-12.00.

LIMITING FACTOR	UP_SLOPE			LEVEL			DOWN_SLOPE		
	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	705	54.14	11.12	875	62.86	12.00	873	62.75	11.98
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	168	8.43	13.17	1	0.03	21.04	0	0.00	0.00
4 VISIBILITY	14	0.74	16.65	28	1.57	17.45	31	1.71	15.87
5 MANEUVER	48	2.16	11.54	48	2.20	11.61	48	2.20	11.61
6 MANEUVER	11	1.57	14.60	6	0.65	10.32	6	0.65	10.32
7 OBS IMPACT	20	2.09	10.00	23	2.31	10.00	23	2.31	10.00
8 OBS FORCE	342	16.03	6.36	327	15.54	6.47	327	15.54	6.56
9 DRVR PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
TOTAL	1308	85.16	10.53	1308	85.16	11.02	1308	85.16	11.00
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		0	0.00	
-2 SOIL/SLOPE	1	0.02		0	0.00		0	0.00	
-3 OBS INTRF	269	11.51		270	11.54		270	11.54	
-4 BELLY HANG	1	0.03		1	0.03		1	0.03	
-5 VEGETATION	4	0.05		4	0.05		4	0.05	
-6 OBS FORCE	0	0.00		0	0.00		0	0.00	
TOTAL	275	11.62		275	11.62		275	11.62	

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE THE GEOGRAPHIC AREA IS MIDEAST PRIMARY ROAD  
 THE SEASON IS DRY SAND



ACCUMULATED PERCENT AREA					
	X=0	2	4	6	8
	41.0	41.0	41.0	41.0	41.0
1X	41.0	41.0	41.0	41.0	41.0
2X	41.0	41.0	41.0	41.0	41.0
3X	41.0	41.0	41.0	41.0	41.0
4X	41.0	41.0	41.0	41.0	41.0
5X	41.0	41.0	41.0	41.0	41.0
6X	41.0	41.0	41.0	41.0	41.0
7X	41.0	41.0	41.0	41.0	41.0
8X	41.0	41.0	41.0	41.0	40.0
9X	40.0	39.8	34.0	29.0	24.0
10X	10.0				

SPEED IN UNIT

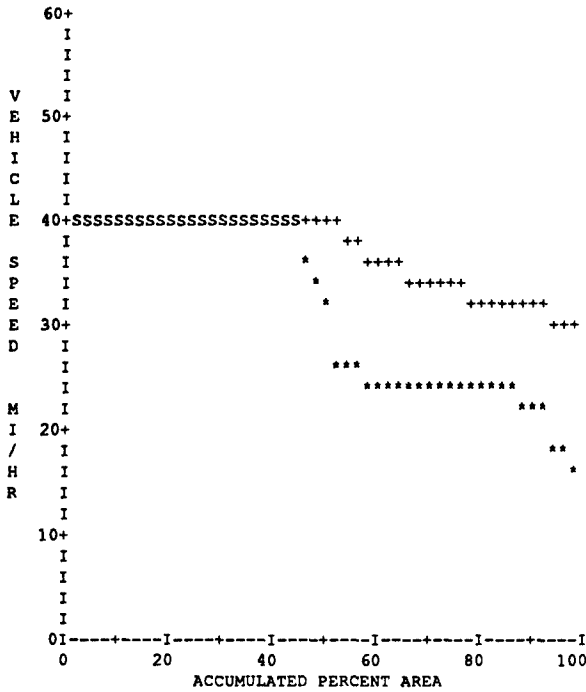
ACCUMULATED PERCENT AREA					
	X=0	2	4	6	8
	41.0	41.0	41.0	41.0	41.0
1X	41.0	41.0	41.0	41.0	41.0
2X	41.0	41.0	41.0	41.0	41.0
3X	41.0	41.0	41.0	41.0	41.0
4X	41.0	41.0	41.0	41.0	41.0
5X	41.0	41.0	41.0	41.0	41.0
6X	41.0	41.0	41.0	41.0	41.0
7X	41.0	41.0	41.0	41.0	41.0
8X	41.0	41.0	41.0	41.0	40.9
9X	40.9	40.9	40.7	40.3	40.0
10X	38.2				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	14	15.29	40.95	15	15.36	40.95
3 POWER/RES	2	0.09	38.79	0	0.00	0.00
4 CURVATURE	33	2.06	29.45	34	2.08	29.55
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	0	0.00	0.00	0	0.00	0.00
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	49	17.43	39.59	49	17.43	39.60

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE THE GEOGRAPHIC AREA IS MIDEAST SECOND ROADS  
 THE SEASON IS DRY SAND



ACCUMULATED PERCENT AREA	
X=0	2 4 6 8
41.0	41.0 41.0 41.0 41.0
1X	41.0 41.0 41.0 41.0 41.0
2X	41.0 41.0 41.0 41.0 41.0
3X	41.0 41.0 41.0 41.0 41.0
4X	41.0 41.0 41.0 36.0 34.9
5X	32.0 26.7 26.5 26.0 24.8
6X	24.8 24.8 24.8 24.8 24.8
7X	24.8 24.8 24.8 24.8 24.8
8X	24.8 24.8 24.8 24.8 23.0
9X	22.7 22.7 18.0 17.5 16.6
10X	0.0

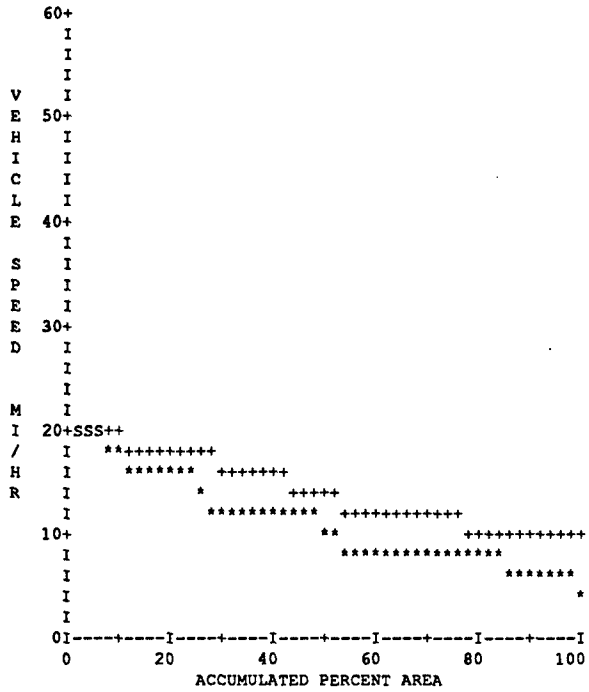
  

ACCUMULATED PERCENT AREA	
X=0	2 4 6 8
41.0	41.0 41.0 41.0 41.0
1X	41.0 41.0 41.0 41.0 41.0
2X	41.0 41.0 41.0 41.0 41.0
3X	41.0 41.0 41.0 41.0 41.0
4X	41.0 41.0 41.0 40.7 40.6
5X	40.1 39.0 38.9 38.2 35.3
6X	35.3 35.3 35.3 34.2 34.2
7X	34.2 34.1 33.1 33.1 33.0
8X	32.8 32.3 32.3 32.1 31.8
9X	31.3 31.2 31.0 30.5 29.9
10X	0.0

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	9	35.44	40.95	27	42.51	40.95
3 POWER/RES	69	13.16	18.62	0	0.00	0.00
4 CURVATURE	50	7.62	26.33	77	8.62	26.46
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	30	23.65	24.79	54	28.74	24.79
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	158	79.87	31.09	158	79.87	33.57

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE THE GEOGRAPHIC AREA IS MIDEAST TRAILS  
 THE SEASON IS DRY SAND



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	20.5	20.5	20.5	19.7	18.1
1X	18.0	16.7	16.7	16.7	16.7
2X	16.7	16.7	16.7	14.7	12.8
3X	12.1	12.1	12.1	12.1	12.1
4X	12.1	12.1	12.1	12.1	11.0
5X	10.4	10.4	7.5	7.5	7.5
6X	7.5	7.5	7.5	7.5	7.5
7X	7.5	7.5	7.5	7.5	7.5
8X	7.5	7.5	7.5	6.3	6.3
9X	6.3	6.3	6.3	6.3	6.3
10X	3.7				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

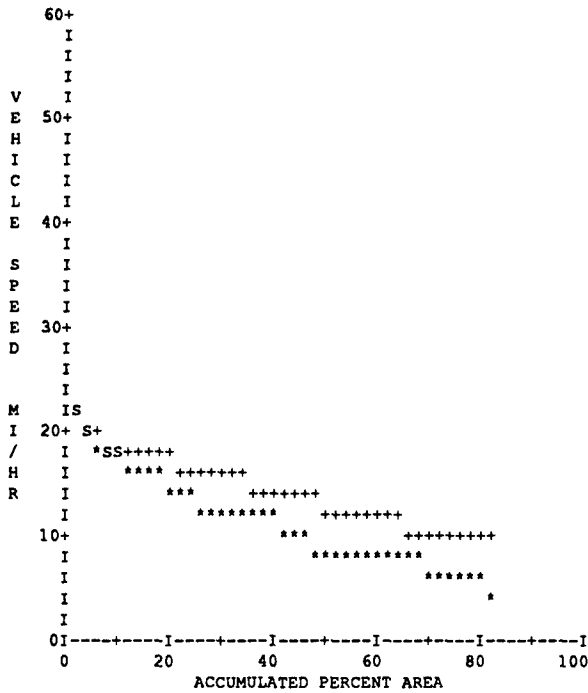
	X=0	2	4	6	8
	20.5	20.5	20.5	20.4	19.5
1X	19.3	18.5	18.5	18.0	18.0
2X	17.9	17.8	17.7	17.5	17.2
3X	16.0	16.0	15.9	15.3	15.3
4X	15.2	15.0	14.8	14.7	14.5
5X	14.2	14.1	12.8	12.8	12.8
6X	12.6	12.2	12.1	11.9	11.3
7X	11.3	11.3	11.2	11.0	10.7
8X	10.7	10.7	10.6	10.3	10.2
9X	10.0	10.0	9.8	9.7	9.6
10X	9.4				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	82	5.89	12.12	0	0.00	0.00
4 CURVATURE	59	1.19	8.48	67	1.37	9.37
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	254	33.92	10.54	328	39.63	11.54
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>395</b>	<b>41.00</b>	<b>10.71</b>	<b>395</b>	<b>41.00</b>	<b>11.47</b>

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE THE GEOGRAPHIC AREA IS MID-EAST SAND OCT 83  
 THE SEASON IS DRY SAND

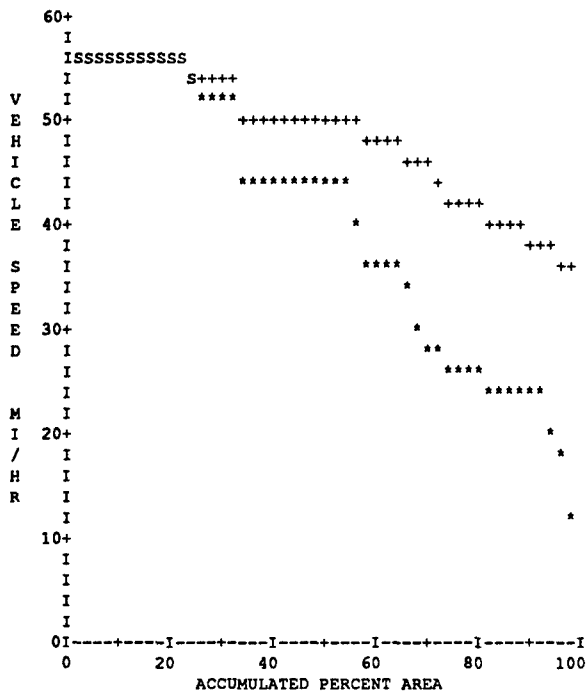


		ACCUMULATED PERCENT AREA				
		X=0	2	4	6	8
		22.7	22.3	19.2	18.5	17.5
1X		17.5	17.0	16.7	15.7	15.1
2X		14.2	14.2	13.4	12.9	12.4
3X		12.1	12.1	12.0	11.0	11.0
4X		11.0	10.0	10.0	9.1	8.7
5X		8.1	7.5	7.5	7.5	7.5
6X		7.5	7.3	7.3	7.3	7.0
7X		6.6	6.3	6.1	6.0	6.0
8X		5.8	4.5	0.0	0.0	0.0
9X		0.0	0.0	0.0	0.0	0.0
10X		0.0				
SPEED IN UNIT						
		ACCUMULATED PERCENT AREA				
		X=0	2	4	6	8
		22.7	22.3	20.9	20.1	18.8
1X		18.8	18.6	18.3	18.0	17.6
2X		17.3	16.9	16.6	16.1	15.9
3X		15.4	15.3	15.1	14.8	14.5
4X		14.3	13.9	13.8	13.5	13.2
5X		12.9	12.5	12.2	11.5	11.5
6X		11.5	11.3	11.0	10.9	10.8
7X		10.6	10.4	10.2	10.0	9.9
8X		9.7	9.5	0.0	0.0	0.0
9X		0.0	0.0	0.0	0.0	0.0
10X		0.0				
AVERAGE SPEED						

THE NOGO PERCENT OF AREA IS-18.29

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	603	45.56	9.91	1165	69.55	11.33	850	54.99	10.78
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	460	17.89	11.66	0	0.00	0.00	0	0.00	0.00
4 VISIBILITY	33	5.31	17.78	184	12.54	16.89	371	20.04	12.91
5 MANEUVER	4	0.05	9.42	4	0.05	9.42	3	0.05	9.29
6 MANEUVER	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
7 OBS IMPACT	12	1.99	10.00	12	1.99	10.00	12	1.99	10.00
8 OBS FORCE	146	8.29	6.70	141	8.28	6.89	140	8.08	6.66
9 DRVR.PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>1258</b>	<b>79.08</b>	<b>10.50</b>	<b>1506</b>	<b>92.40</b>	<b>11.65</b>	<b>1376</b>	<b>85.14</b>	<b>10.87</b>
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		130	7.26	
-2 SOIL/SLOPE	248	13.32		0	0.00		0	0.00	
-3 OBS INTRF	77	4.38		77	4.38		77	4.38	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	0	0.00		0	0.00		0	0.00	
-6 OBS FORCE	0	0.00		0	0.00		0	0.00	
<b>TOTAL</b>	<b>325</b>	<b>17.70</b>		<b>77</b>	<b>4.38</b>		<b>207</b>	<b>11.64</b>	

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE AND PLS TRAILER GEOGRAPHIC AREA IS PRIMARY ROADS RT5520  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

X=0	2	4	6	8
55.0	55.0	55.0	55.0	55.0
1X	55.0	55.0	55.0	55.0
2X	55.0	55.0	53.8	52.3
3X	52.3	52.3	43.9	43.9
4X	43.9	43.9	43.9	43.9
5X	43.9	43.9	40.0	36.0
6X	36.0	35.8	35.6	33.7
7X	29.0	28.9	26.2	26.2
8X	26.1	24.7	24.7	24.7
9X	24.0	24.0	19.7	13.0
10X	0.0			

SPEED IN UNIT

ACCUMULATED PERCENT AREA

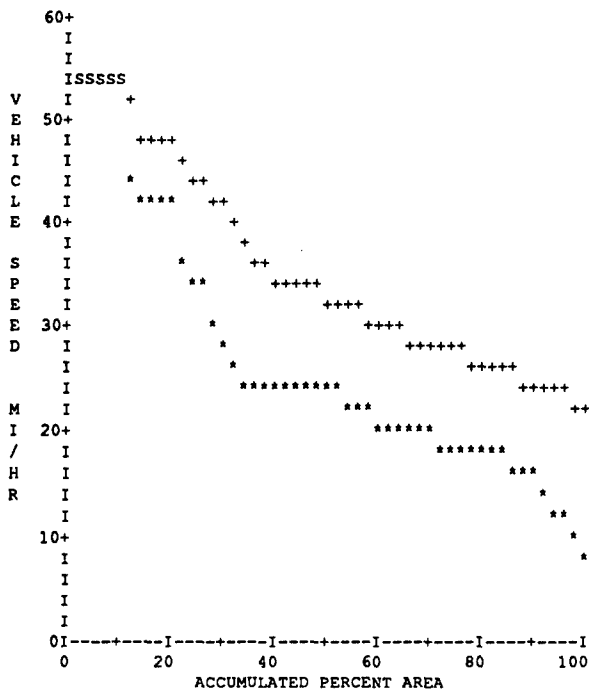
X=0	2	4	6	8
55.0	55.0	55.0	55.0	55.0
1X	55.0	55.0	55.0	55.0
2X	55.0	55.0	55.0	54.3
3X	54.3	54.3	50.3	50.3
4X	50.3	50.3	50.3	50.3
5X	50.1	49.7	49.6	49.4
6X	47.7	47.7	47.1	46.7
7X	45.2	44.6	41.5	41.5
8X	41.4	39.0	39.0	39.0
9X	38.6	36.2	37.6	35.7
10X	0.0			

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	59	26.20	27.12	1	0.26	53.81
4 CURVATURE	55	8.15	23.51	97	11.89	26.56
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	8	27.85	49.76	24	50.05	50.24
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>122</b>	<b>62.20</b>	<b>36.79</b>	<b>122</b>	<b>62.20</b>	<b>45.73</b>

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE AND PLS TRAILER GEOGRAPHIC AREA IS SECONDARY RDS RT5520  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

X=0	2	4	6	8
53.5	53.5	53.5	53.5	53.5
1X	53.5	43.9	42.7	42.7
2X	41.6	36.0	33.5	33.4
3X	28.6	25.7	24.8	24.8
4X	24.8	24.8	24.8	24.8
5X	23.1	23.1	23.0	22.6
6X	21.0	21.0	20.4	20.4
7X	19.1	18.6	18.6	18.0
8X	17.7	17.5	17.2	16.0
9X	15.0	13.3	13.0	11.0
10X	7.3			

SPEED IN UNIT

ACCUMULATED PERCENT AREA

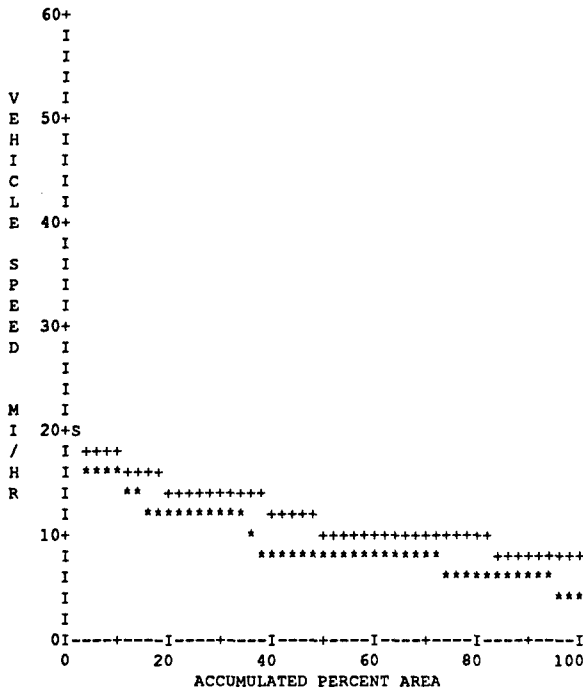
X=0	2	4	6	8
53.5	53.5	53.5	53.5	53.5
1X	53.5	52.1	47.9	47.9
2X	47.8	46.3	44.1	44.0
3X	41.3	40.0	38.1	36.5
4X	33.7	33.7	33.7	33.5
5X	32.0	31.9	31.6	31.2
6X	29.8	29.7	29.0	29.0
7X	28.1	27.4	27.4	27.2
8X	26.3	25.9	25.9	25.5
9X	24.7	24.2	23.9	23.3
10X	21.9			

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP_SLOPE			DOWN_SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	234	140.52	24.11	3	19.29	53.54
4 CURVATURE	64	17.15	18.00	187	33.59	21.00
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	21	31.83	26.45	129	136.62	33.30
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>319</b>	<b>189.50</b>	<b>23.95</b>	<b>319</b>	<b>189.50</b>	<b>33.18</b>

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE AND PLS TRAILER GEOGRAPHIC AREA IS TRAILS RT5520R  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	20.5	19.0	16.7	16.6	16.3
1X	16.3	14.1	13.5	12.9	12.8
2X	12.8	12.1	12.1	12.1	12.1
3X	12.0	11.8	11.8	10.9	9.0
4X	8.6	7.6	7.5	7.5	7.5
5X	7.5	7.5	7.5	7.5	7.5
6X	7.5	7.5	7.5	7.5	7.5
7X	7.5	7.5	6.4	6.3	6.3
8X	6.3	6.3	6.3	6.3	6.3
9X	6.3	6.3	6.3	5.0	5.0
10X	5.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

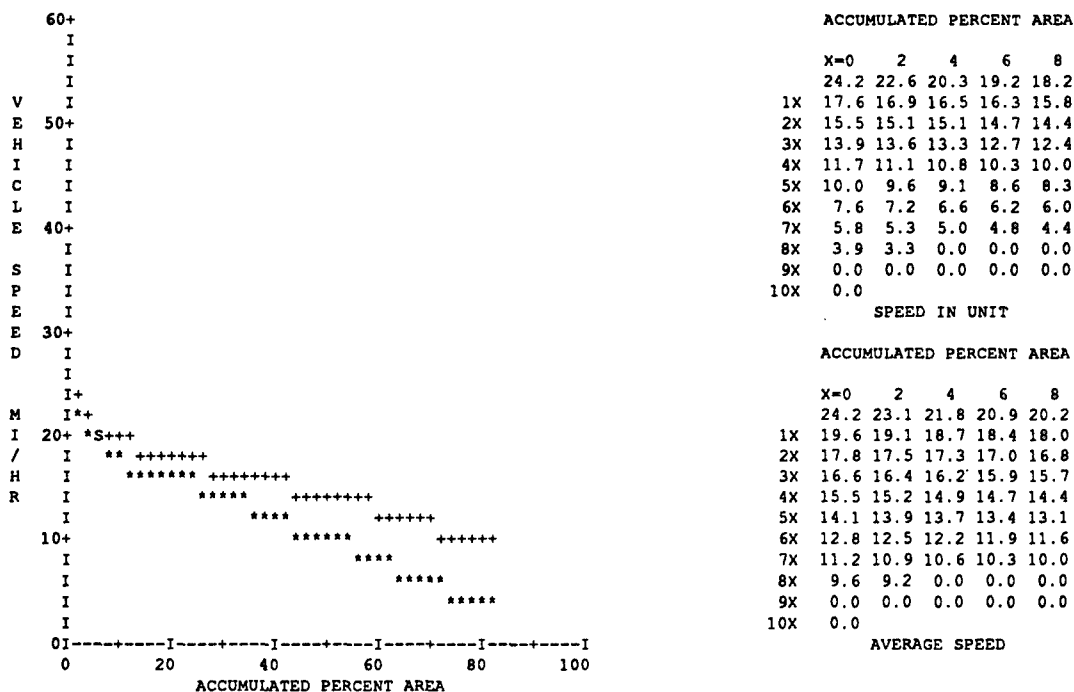
	X=0	2	4	6	8
	20.5	19.2	18.2	17.6	17.1
1X	17.0	16.4	16.0	15.7	15.1
2X	15.0	14.1	14.1	14.1	14.0
3X	13.8	13.6	13.6	13.4	13.2
4X	12.9	12.4	11.8	11.5	11.5
5X	11.0	11.0	10.6	10.6	10.5
6X	10.3	10.2	10.1	10.0	9.9
7X	9.8	9.7	9.6	9.3	9.3
8X	9.2	9.1	9.0	8.9	8.9
9X	8.8	8.7	8.6	8.6	8.4
10X	8.3				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	181	14.86	10.62	0	0.00	0.00
4 CURVATURE	96	3.04	6.26	135	3.75	7.91
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	199	27.22	7.95	341	41.37	10.77
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>476</b>	<b>45.12</b>	<b>8.71</b>	<b>476</b>	<b>45.12</b>	<b>10.53</b>

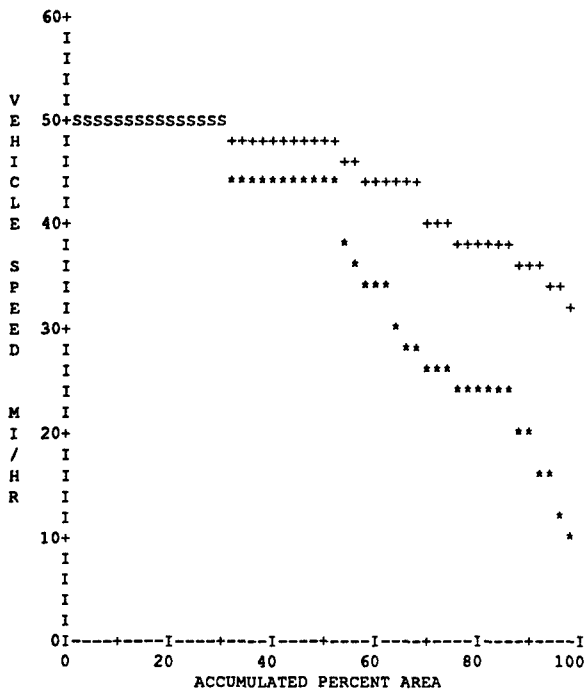
THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE AND PLS TRAILER GEOGRAPHIC AREA IS EFOSS QUAD L5322  
 THE SEASON IS DRY



THE NOGO PERCENT OF AREA IS-17.46.

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	78	5.77	10.35	759	50.16	14.65	981	75.33	20.06
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	965	90.11	9.36	458	37.03	21.51	22	1.82	24.11
4 VISIBILITY	0	0.00	0.00	24	4.39	18.95	220	14.87	22.63
5 MANEUVER	91	9.06	6.25	247	27.83	11.53	274	30.94	12.82
6 MANEUVER	119	10.03	6.23	82	7.39	8.65	89	7.69	9.46
7 OBS IMPACT	39	2.70	10.00	151	9.42	10.00	137	8.89	10.00
8 OBS FORCE	551	42.33	6.93	639	43.74	9.25	525	37.26	7.53
9 DRVR PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>1843</b>	<b>160.00</b>	<b>8.39</b>	<b>2360</b>	<b>179.94</b>	<b>13.88</b>	<b>2248</b>	<b>176.80</b>	<b>15.44</b>
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		123	3.96	
-2 SOIL/SLOPE	541	21.30		0	0.00		0	0.00	
-3 OBS INTRF	120	11.05		148	12.56		140	12.03	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	19	1.47		17	1.35		14	1.05	
-6 OBS FORCE	2	0.03		0	0.00		0	0.00	
<b>TOTAL</b>	<b>682</b>	<b>33.85</b>		<b>165</b>	<b>13.91</b>		<b>277</b>	<b>17.05</b>	

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE AND PLS TRAILER GEOGRAPHIC AREA IS PRIMARY ROADS RT5520  
 THE SEASON IS WET

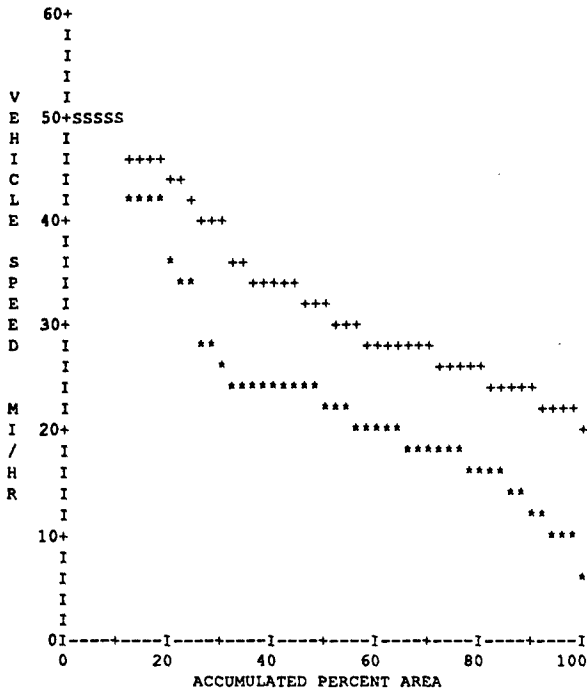


ACCUMULATED PERCENT AREA	
X=	0 2 4 6 8
49.5	49.5 49.5 49.5 49.5 49.5
1X	49.5 49.5 49.5 49.5 49.5
2X	49.5 49.5 49.5 49.5 49.5
3X	49.5 43.9 43.9 43.9 43.9
4X	43.9 43.9 43.9 43.9 43.9
5X	43.9 43.9 38.9 35.7 34.7
6X	34.7 33.8 30.0 28.3 27.7
7X	25.5 25.5 25.5 24.7 24.7
8X	24.7 24.7 24.4 23.8 20.5
9X	20.5 17.0 16.8 12.7 9.2
10X	0.0
SPEED IN UNIT	
ACCUMULATED PERCENT AREA	
X=	0 2 4 6 8
49.5	49.5 49.5 49.5 49.5 49.5
1X	49.5 49.5 49.5 49.5 49.5
2X	49.5 49.5 49.5 49.5 49.5
3X	49.5 47.4 47.4 47.4 47.4
4X	47.4 47.4 47.4 47.4 47.4
5X	47.2 47.2 47.0 46.2 45.0
6X	45.0 45.0 44.4 43.8 43.1
7X	40.1 40.1 40.1 37.9 37.9
8X	37.9 37.9 37.9 37.4 36.8
9X	36.2 35.3 34.6 33.3 32.1
10X	0.0
AVERAGE SPEED	

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	36	19.21	20.91	0	0.00	0.00
4 CURVATURE	84	30.48	38.91	114	41.80	40.43
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	2	12.52	43.89	8	20.40	43.89
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>122</b>	<b>62.20</b>	<b>34.35</b>	<b>122</b>	<b>62.20</b>	<b>41.57</b>

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE AND PLS TRAILER GEOGRAPHIC AREA IS SECONDARY RDS RT5520  
 THE SEASON IS WET



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	49.5	49.5	49.5	49.5	49.5
1X	49.5	42.0	42.0	42.0	42.0
2X	35.6	33.9	33.1	28.7	27.4
3X	25.5	24.8	24.8	24.8	24.8
4X	24.8	24.8	24.8	23.4	23.1
5X	22.7	22.2	22.2	20.8	20.4
6X	20.4	19.6	19.1	18.5	18.5
7X	18.4	17.7	17.7	17.4	16.5
8X	16.3	15.7	15.2	14.8	13.3
9X	12.7	12.5	10.9	9.4	9.2
10X	6.4				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

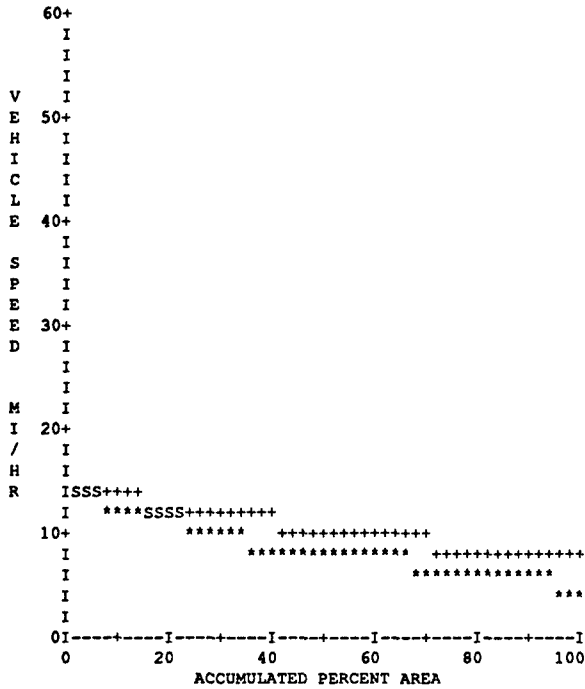
	X=0	2	4	6	8
	49.5	49.5	49.5	49.5	49.5
1X	49.5	45.7	45.7	45.7	45.7
2X	44.6	44.5	42.5	40.3	39.8
3X	39.5	36.6	36.5	33.6	33.6
4X	33.6	33.5	33.1	32.6	31.8
5X	31.4	30.5	30.5	29.7	29.0
6X	29.0	28.8	28.1	27.3	27.3
7X	27.1	26.7	26.2	25.8	25.7
8X	25.3	24.9	24.4	24.2	23.8
9X	23.4	22.9	22.4	21.9	21.3
10X	20.1				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	193	112.54	19.38	0	0.00	0.00
4 CURVATURE	114	50.42	29.51	258	118.47	34.19
5 VISIBILITY	0	0.00	0.00	5	2.46	40.31
6 RIDE	12	26.54	24.79	56	68.58	24.79
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	319	189.50	22.83	319	189.50	30.87

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE AND PLS TRAILER GEOGRAPHIC AREA IS TRAILS RT5520R  
 THE SEASON IS WET



ACCUMULATED PERCENT AREA	
X=0	2 4 6 8
15.1	15.0 14.3 13.6 13.0
1X	13.0 12.2 12.0 11.6 11.6
2X	11.4 11.0 10.4 10.3 10.3
3X	10.3 9.6 9.3 8.9 8.7
4X	7.6 7.5 7.5 7.5 7.5
5X	7.5 7.5 7.5 7.5 7.5
6X	7.5 7.4 7.4 7.2 6.9
7X	6.9 6.8 6.3 6.3 6.3
8X	6.3 6.3 6.3 6.3 6.3
9X	6.3 6.1 6.1 5.0 5.0
10X	4.7

SPEED IN UNIT

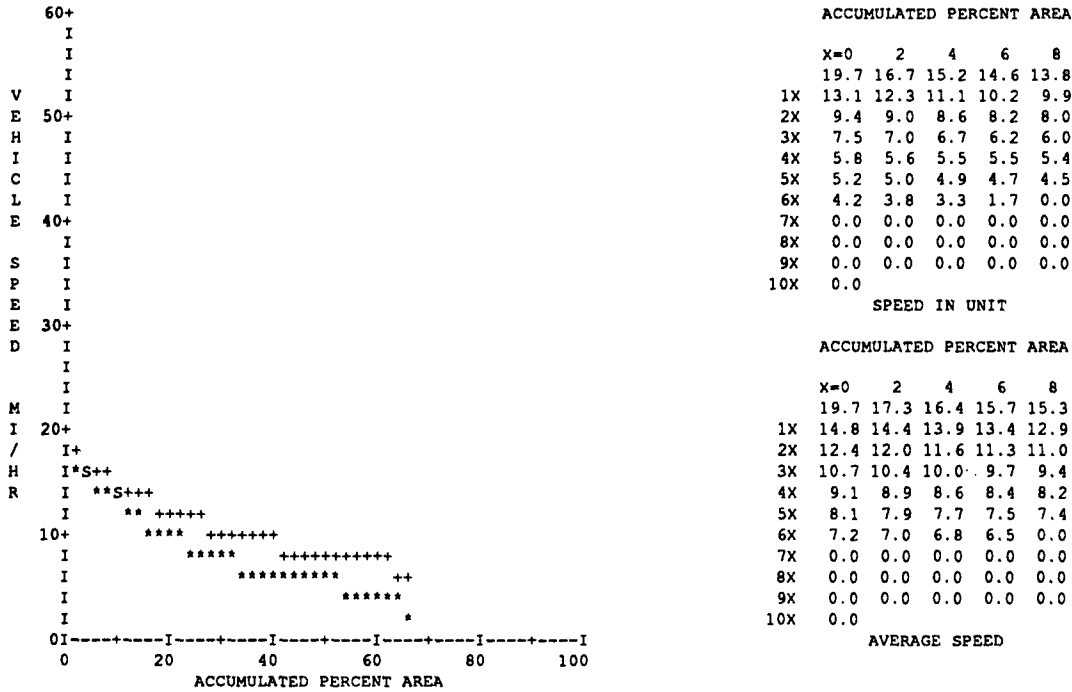
ACCUMULATED PERCENT AREA	
X=0	2 4 6 8
15.1	15.0 14.7 14.4 13.9
1X	13.9 13.6 13.3 12.9 12.8
2X	12.7 12.5 12.4 12.1 11.9
3X	11.9 11.7 11.5 11.4 11.2
4X	11.0 10.6 10.6 10.2 10.2
5X	9.9 9.9 9.8 9.7 9.6
6X	9.5 9.3 9.3 9.3 9.1
7X	9.1 9.0 8.9 8.8 8.7
8X	8.6 8.5 8.5 8.4 8.3
9X	8.3 8.2 8.2 8.1 8.0
10X	7.9

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	274	26.58	8.15	15	1.01	18.12
4 CURVATURE	75	2.39	5.40	132	3.72	7.77
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	127	16.14	6.96	329	40.39	10.54
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	476	45.12	7.58	476	45.12	10.48

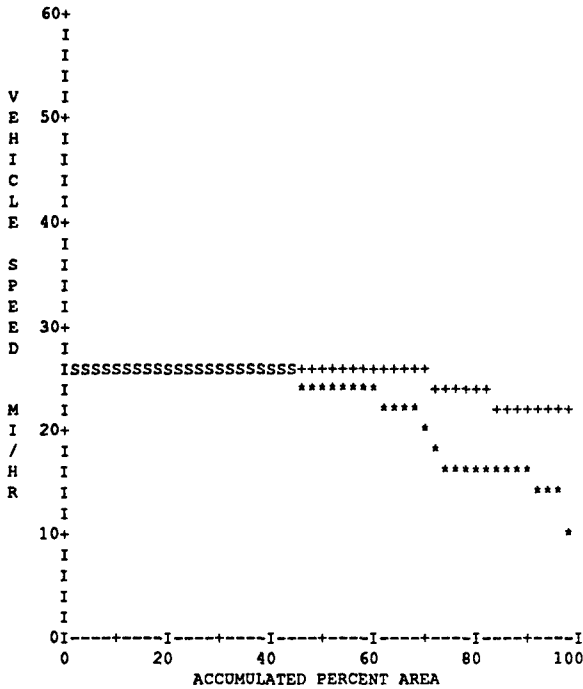
THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE AND PLS TRAILER GEOGRAPHIC AREA IS EFOSS QUAD L5322  
 THE SEASON IS WET



THE NOGO PERCENT OF AREA IS-34.33.

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	30	2.12	8.62	238	13.64	11.73	521	33.30	15.71
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	848	80.41	5.87	1109	95.22	8.23	472	48.87	10.74
4 VISIBILITY	0	0.00	0.00	17	1.04	18.41	255	12.01	16.68
5 MANEUVER	50	5.00	5.84	131	11.40	8.00	195	23.62	11.37
6 MANEUVER	103	8.12	4.55	148	11.25	6.12	94	8.69	7.35
7 OBS IMPACT	9	0.66	10.00	68	3.70	10.00	110	6.42	10.00
8 OBS FORCE	407	31.00	5.50	619	41.64	6.74	580	42.62	7.68
9 DRVR.PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>1447</b>	<b>127.31</b>	<b>5.76</b>	<b>2330</b>	<b>177.86</b>	<b>8.10</b>	<b>2227</b>	<b>175.51</b>	<b>11.24</b>
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		133	4.17	
-2 SOIL/SLOPE	911	52.56		13	0.98		10	0.91	
-3 OBS INTRF	95	9.05		147	12.54		138	12.00	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	33	2.85		27	2.08		17	1.25	
-6 OBS FORCE	39	2.08		8	0.38		0	0.00	
<b>TOTAL</b>	<b>1078</b>	<b>66.54</b>		<b>195</b>	<b>15.98</b>		<b>298</b>	<b>18.34</b>	

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE AND PLS TRAILER GEOGRAPHIC AREA IS PRIMARY ROADS RT5520  
 THE SEASON IS SNOW



ACCUMULATED PERCENT AREA

X=0	2	4	6	8
26.3	26.3	26.3	26.3	26.3
1X	26.3	26.3	26.3	26.3
2X	26.3	26.3	26.3	26.3
3X	26.3	26.3	26.3	26.3
4X	26.3	26.3	25.8	24.9
5X	24.9	24.9	24.9	23.2
6X	23.2	21.6	21.2	21.2
7X	19.3	17.9	16.6	16.0
8X	16.0	16.0	16.0	16.0
9X	15.9	14.9	13.4	9.7
10X	0.0			

SPEED IN UNIT

ACCUMULATED PERCENT AREA

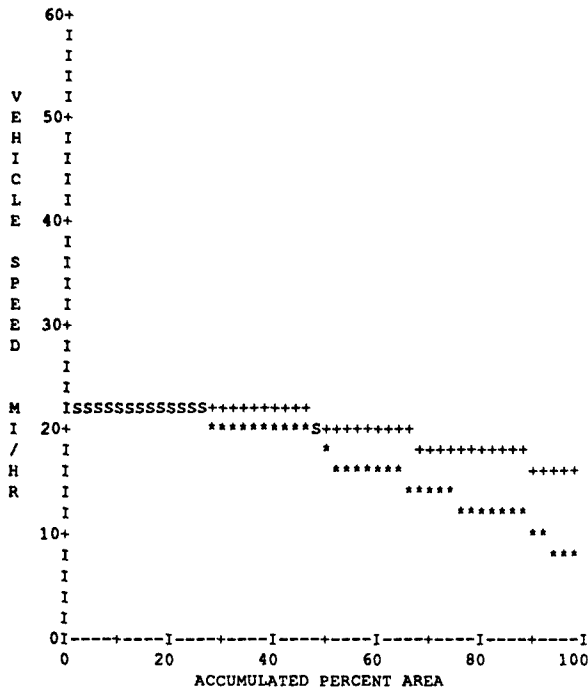
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26.3	26.3	26.3	26.3	26.3
1X	26.3	26.3	26.3	26.3
2X	26.3	26.3	26.3	26.3
3X	26.3	26.3	26.3	26.3
4X	26.3	26.3	26.3	26.2
5X	26.0	26.0	26.0	25.8
6X	25.8	25.7	25.3	25.2
7X	25.0	24.8	24.4	23.2
8X	23.2	23.2	22.3	22.3
9X	22.3	22.2	21.8	21.2
10X	0.0			

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	11	16.64	40.95
3 POWER/RES	79	55.91	20.03	13	34.22	27.40
4 CURVATURE	43	6.29	14.85	98	11.34	19.49
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	0	0.00	0.00	0	0.00	0.00
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>122</b>	<b>62.20</b>	<b>19.50</b>	<b>122</b>	<b>62.20</b>	<b>29.58</b>

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE AND PLS TRAILER GEOGRAPHIC AREA IS SECONDARY RDS RT5520  
 THE SEASON IS SNOW



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	22.0	22.0	22.0	22.0	22.0
1X	22.0	22.0	22.0	22.0	21.3
2X	21.3	21.3	21.2	21.1	20.7
3X	20.7	20.7	20.7	20.7	20.7
4X	20.7	19.3	19.3	19.3	19.1
5X	17.1	16.6	16.5	15.9	15.9
6X	15.4	15.4	15.3	14.5	14.5
7X	14.5	14.2	13.4	13.0	12.2
8X	12.2	11.9	11.5	11.4	11.0
9X	10.0	9.6	8.9	8.1	7.4
10X	0.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

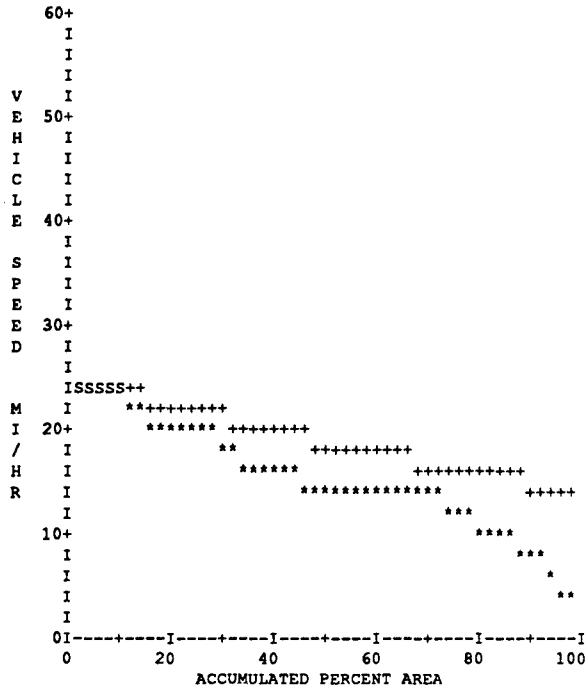
	X=0	2	4	6	8
	22.0	22.0	22.0	22.0	22.0
1X	22.0	22.0	22.0	22.0	21.9
2X	21.8	21.8	21.7	21.7	21.6
3X	21.5	21.5	21.5	21.4	21.4
4X	21.4	21.2	21.0	21.0	21.0
5X	20.9	20.5	20.5	20.0	20.0
6X	19.8	19.5	19.5	19.2	18.9
7X	18.9	18.8	18.6	18.4	17.9
8X	17.9	17.8	17.3	17.2	17.1
9X	16.9	16.6	16.3	16.0	15.7
10X	0.0				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.36.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	33	77.13	40.95
3 POWER/RES	261	176.68	13.29	21	66.15	24.90
4 CURVATURE	46	12.13	11.68	265	46.22	18.61
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	0	0.00	0.00	0	0.00	0.00
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	307	188.81	13.19	319	189.50	29.90
<u>NOGO TERRAIN UNITS</u>						
-3 POWER/RES	12	0.69		0	0.00	
TOTAL	12	0.69		0	0.00	
<u>MAX RESISTANCE IN A POWER/RES NOGO - VELOCITY INDEPENDENT</u>						
4 GRADE	12	0.69		0	0.00	
TOTAL	12	0.69		0	0.00	

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE AND PLS TRAILER GEOGRAPHIC AREA IS TRAILS RT5520R  
 THE SEASON IS SNOW



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	24.7	24.2	24.1	24.1	23.9
1X	23.3	22.1	22.1	20.1	20.1
2X	20.0	20.0	19.9	19.9	19.8
3X	17.8	17.1	16.9	16.9	16.4
4X	16.0	15.5	15.3	14.9	14.4
5X	14.4	14.4	14.0	14.0	14.0
6X	14.0	14.0	13.4	13.3	13.1
7X	13.1	13.1	12.9	12.2	11.4
8X	10.7	10.5	10.4	10.0	8.4
9X	8.0	7.6	6.7	3.7	3.7
10X	0.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

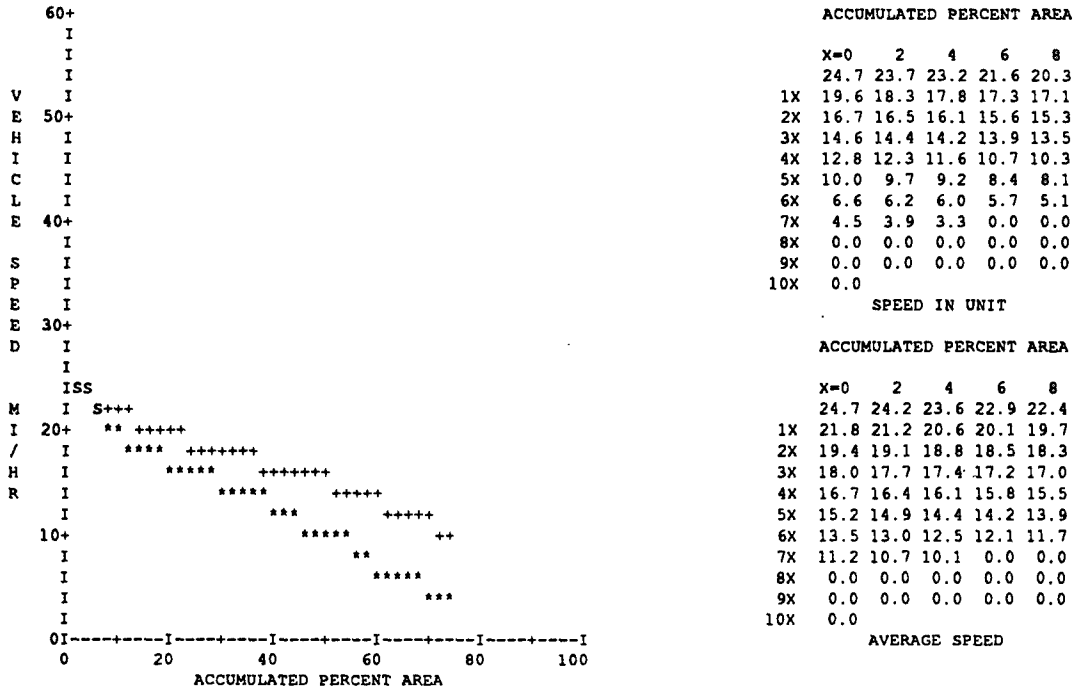
	X=0	2	4	6	8
	24.7	24.2	24.2	24.2	24.1
1X	23.9	23.4	23.4	22.9	22.6
2X	22.1	22.1	21.7	21.7	21.7
3X	21.4	20.9	20.5	20.3	20.3
4X	19.9	19.6	19.5	19.2	18.7
5X	18.6	18.4	18.1	17.9	17.9
6X	17.7	17.5	17.5	17.3	16.9
7X	16.9	16.8	16.7	16.6	16.4
8X	16.1	16.0	15.8	15.6	15.3
9X	15.0	14.8	14.4	14.0	13.2
10X	0.0				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	300	39.32	11.78	4	0.64	28.27
4 CURVATURE	175	5.59	8.05	409	21.48	23.00
5 VISIBILITY	0	0.00	0.00	1	0.28	36.88
6 RIDE	1	0.20	22.33	62	22.71	27.62
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>476</b>	<b>45.12</b>	<b>11.37</b>	<b>476</b>	<b>45.12</b>	<b>25.49</b>

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE AND PLS TRAILER GEOGRAPHIC AREA IS EFOSS QUAD L5322  
 THE SEASON IS SNOW

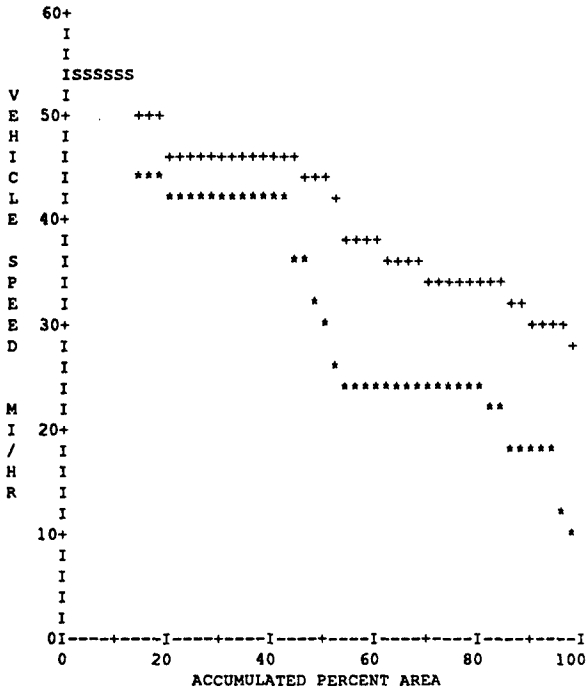


THE NOGO PERCENT OF AREA IS-26.15.

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	0	0.00	0.00	19	0.57	22.80	68	5.63	30.03
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00	221	20.52	40.95
3 POWER/RES	858	83.12	9.84	894	66.08	22.93	34	1.71	29.16
4 VISIBILITY	0	0.00	0.00	111	11.80	19.93	650	51.35	24.08
5 MANEUVER	74	8.81	6.86	316	31.04	12.28	275	32.50	13.95
6 MANEUVER	107	9.31	6.76	107	8.74	9.36	95	8.28	10.11
7 OBS IMPACT	28	2.02	10.00	164	10.17	10.00	117	8.02	10.00
8 OBS FORCE	508	39.90	7.23	747	51.51	11.29	477	36.43	8.06
9 DRVR PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>1575</b>	<b>143.16</b>	<b>8.73</b>	<b>2358</b>	<b>179.90</b>	<b>16.17</b>	<b>1937</b>	<b>164.43</b>	<b>19.50</b>
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		451	17.05	
-2 SOIL/SLOPE	820	38.52		0	0.00		0	0.00	
-3 OBS INTRF	102	10.25		148	12.56		122	11.21	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	25	1.73		19	1.39		15	1.16	
-6 OBS FORCE	3	0.19		0	0.00		0	0.00	
<b>TOTAL</b>	<b>950</b>	<b>50.69</b>		<b>167</b>	<b>13.95</b>		<b>588</b>	<b>29.42</b>	



THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE AND PLS TRAILER GEOGRAPHIC AREA IS MIDEAST SECOND ROADS  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

X=0	2	4	6	8
53.5	53.5	53.5	53.5	53.5
1X	53.5	53.5	43.9	43.9
2X	42.7	42.7	42.7	42.7
3X	42.7	42.7	42.7	42.7
4X	42.7	41.6	36.1	36.0
5X	29.0	26.0	24.8	24.8
6X	24.8	24.8	24.8	24.8
7X	24.8	24.8	24.8	23.1
8X	23.1	23.0	22.2	18.6
9X	17.7	17.7	17.1	11.8
10X	0.0			

SPEED IN UNIT

ACCUMULATED PERCENT AREA

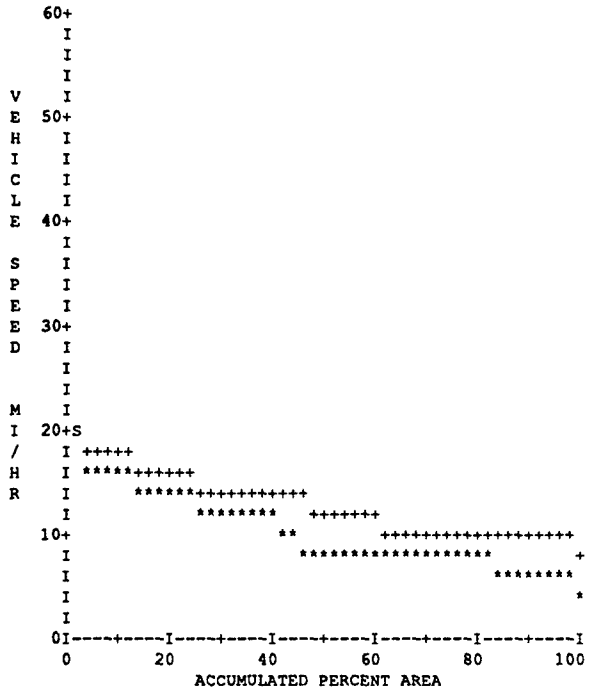
X=0	2	4	6	8
53.5	53.5	53.5	53.5	53.5
1X	53.5	53.5	50.6	50.4
2X	45.7	45.7	45.7	45.7
3X	45.7	45.7	45.7	45.7
4X	45.7	45.5	45.2	44.8
5X	43.6	42.2	38.0	38.0
6X	38.0	36.4	36.4	36.3
7X	34.9	34.9	34.8	33.8
8X	33.8	33.4	33.1	32.0
9X	30.8	30.7	30.4	28.2
10X	0.0			

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	101	49.25	33.90	3	10.24	53.54
4 CURVATURE	36	7.18	26.65	77	8.62	26.46
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	21	23.44	28.05	78	61.01	34.89
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	158	79.87	31.53	158	79.87	36.37

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE AND PLS TRAILER GEOGRAPHIC AREA IS MIDEAST TRAILS  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	19.4	19.3	16.9	16.7	16.7
1X	16.7	16.5	14.5	14.5	14.4
2X	14.2	13.5	13.5	12.1	12.1
3X	12.1	12.1	12.1	12.1	12.1
4X	11.4	11.0	10.2	8.3	8.1
5X	7.6	7.6	7.5	7.5	7.5
6X	7.5	7.5	7.5	7.5	7.5
7X	7.5	7.5	7.5	7.5	7.5
8X	7.5	7.5	6.4	6.3	6.3
9X	6.3	6.3	6.3	6.3	5.9
10X	3.6				

ACCUMULATED PERCENT AREA

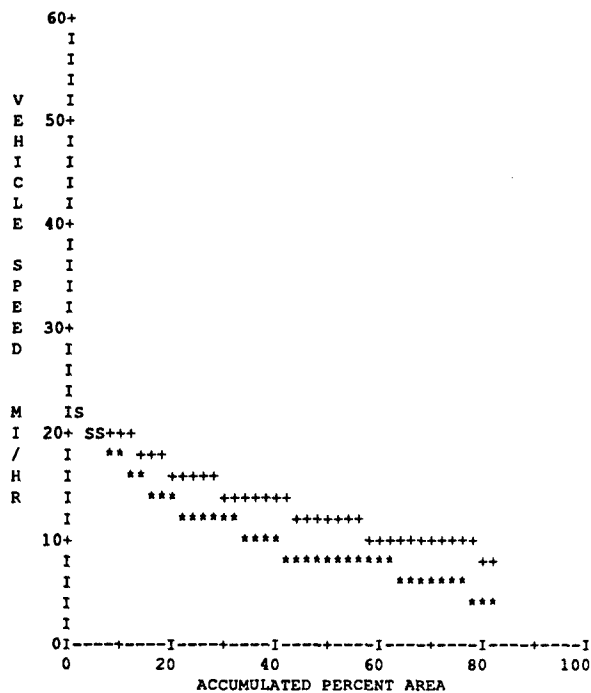
	X=0	2	4	6	8
	19.4	19.4	18.1	17.4	17.4
1X	17.3	17.2	16.4	16.3	16.2
2X	16.0	15.6	15.5	14.7	14.7
3X	14.7	14.2	14.2	14.1	14.0
4X	13.9	13.7	13.5	13.3	12.9
5X	12.3	12.2	11.4	11.4	11.4
6X	11.3	11.0	10.9	10.8	10.4
7X	10.4	10.4	10.3	10.1	10.0
8X	10.0	9.9	9.8	9.6	9.6
9X	9.4	9.4	9.3	9.2	9.0
10X	8.9				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	186	15.15	9.87	0	0.00	0.00
4 CURVATURE	44	0.89	6.99	67	1.37	9.37
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	165	24.95	9.15	328	39.63	11.54
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>395</b>	<b>41.00</b>	<b>9.37</b>	<b>395</b>	<b>41.00</b>	<b>11.47</b>

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE AND PLS TRAILER GEOGRAPHIC AREA IS TV3254IV  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA					
	x=0	2	4	6	8
	22.4	21.3	19.6	19.5	18.8
1X	17.8	16.8	15.4	14.7	14.2
2X	13.1	12.4	12.1	12.1	11.0
3X	11.0	11.0	10.3	10.3	10.0
4X	9.8	9.0	8.4	8.1	7.7
5X	7.5	7.5	7.5	7.5	7.3
6X	7.3	7.3	6.9	6.6	6.3
7X	6.1	6.0	5.8	5.3	4.6
8X	4.5	3.9	0.0	0.0	0.0
9X	0.0	0.0	0.0	0.0	0.0
10X	0.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA					
	x=0	2	4	6	8
	22.4	21.4	20.5	20.0	19.9
1X	19.5	19.1	18.5	18.0	17.5
2X	17.0	16.4	15.8	15.6	15.2
3X	14.8	14.5	14.2	13.9	13.6
4X	13.3	13.1	12.8	12.5	12.2
5X	11.9	11.2	11.2	11.2	11.0
6X	10.7	10.7	10.5	10.3	10.1
7X	9.9	9.8	9.6	9.4	9.1
8X	8.9	8.7	0.0	0.0	0.0
9X	0.0	0.0	0.0	0.0	0.0
10X	0.0				

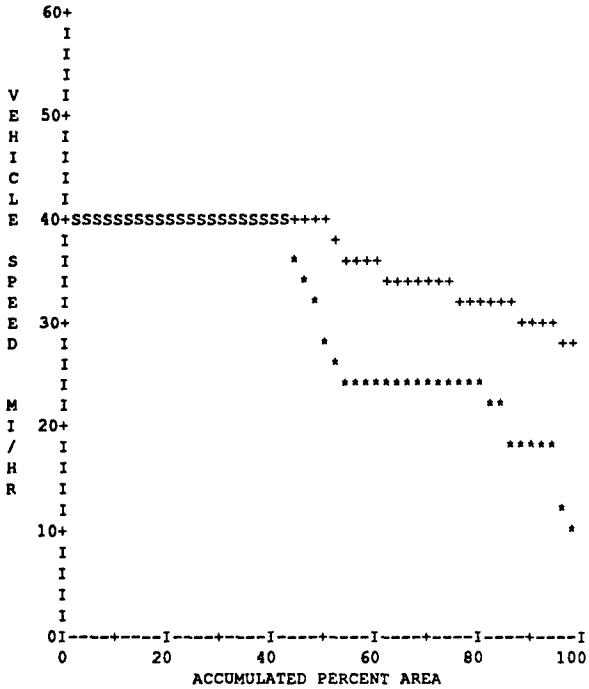
AVERAGE SPEED

THE NOGO PERCENT OF AREA IS-18.20.

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	459	37.39	9.03	838	59.99	11.62	859	61.90	11.99
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	404	24.02	11.68	22	2.56	21.55	0	0.00	0.00
4 VISIBILITY	5	0.29	17.40	25	0.93	16.10	30	1.60	16.15
5 MANEUVER	40	2.27	10.71	48	2.20	11.61	48	2.20	11.61
6 MANEUVER	20	1.48	7.51	6	0.65	10.32	6	0.65	10.32
7 OBS IMPACT	15	2.19	10.00	24	2.47	10.00	24	2.47	10.00
8 OBS FORCE	226	11.53	5.74	208	10.43	5.91	204	10.41	5.99
9 DRVR_PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>1169</b>	<b>79.17</b>	<b>9.43</b>	<b>1171</b>	<b>79.22</b>	<b>11.18</b>	<b>1171</b>	<b>79.22</b>	<b>11.20</b>
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		0	0.00	
-2 SOIL/SLOPE	3	0.06		0	0.00		0	0.00	
-3 OBS INTRF	405	17.45		407	17.48		407	17.48	
-4 BELLY HANG	2	0.05		1	0.03		1	0.03	
-5 VEGETATION	4	0.05		4	0.05		4	0.05	
-6 OBS FORCE	0	0.00		0	0.00		0	0.00	
<b>TOTAL</b>	<b>414</b>	<b>17.61</b>		<b>412</b>	<b>17.56</b>		<b>412</b>	<b>17.56</b>	



THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE AND PLS TRAILER GEOGRAPHIC AREA IS MIDEAST SECOND ROADS  
 THE SEASON IS DRY SAND



ACCUMULATED PERCENT AREA

X=0	2	4	6	8
41.0	41.0	41.0	41.0	41.0
1X	41.0	41.0	41.0	40.9
2X	40.9	40.9	40.9	40.9
3X	40.9	40.9	40.9	40.9
4X	40.9	39.7	36.0	34.7
5X	28.2	26.0	24.8	24.8
6X	24.8	24.8	24.8	24.8
7X	24.8	24.8	24.8	23.0
8X	23.0	23.0	21.9	18.0
9X	17.6	17.6	17.0	11.6
10X	0.0			

SPEED IN UNIT

ACCUMULATED PERCENT AREA

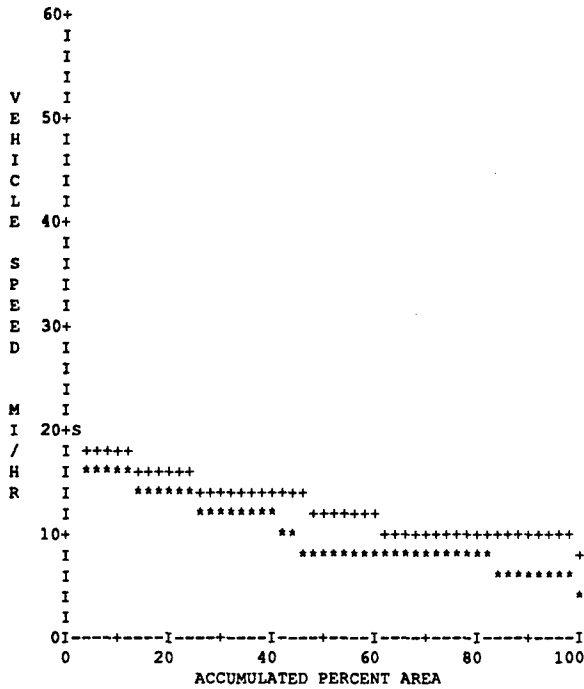
X=0	2	4	6	8
41.0	41.0	41.0	41.0	41.0
1X	41.0	41.0	41.0	40.9
2X	40.9	40.9	40.9	40.9
3X	40.9	40.9	40.9	40.9
4X	40.9	40.9	40.8	40.5
5X	39.7	38.7	35.6	35.6
6X	35.6	34.4	34.4	34.2
7X	33.2	33.2	33.1	32.3
8X	32.2	32.0	31.7	30.5
9X	29.6	29.5	29.3	28.4
10X	0.0			

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	5	14.25	40.95	27	42.51	40.95
3 POWER/RES	100	40.30	28.52	0	0.00	0.00
4 CURVATURE	35	5.93	24.69	77	8.62	26.46
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	18	19.39	24.79	54	28.74	24.79
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	158	79.87	29.54	158	79.87	33.57

THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE AND PLS TRAILER GEOGRAPHIC AREA IS MIDEAST TRAILS  
 THE SEASON IS DRY SAND



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	19.4	19.3	16.9	16.7	16.7
1X	16.7	16.5	14.5	14.5	14.4
2X	14.2	13.5	13.5	12.1	12.1
3X	12.1	12.1	12.1	12.1	12.1
4X	11.4	11.0	10.2	8.3	8.1
5X	7.6	7.6	7.5	7.5	7.5
6X	7.5	7.5	7.5	7.5	7.5
7X	7.5	7.5	7.5	7.5	7.5
8X	7.5	7.5	6.4	6.3	6.3
9X	6.3	6.3	6.3	6.3	5.9
10X	3.7				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

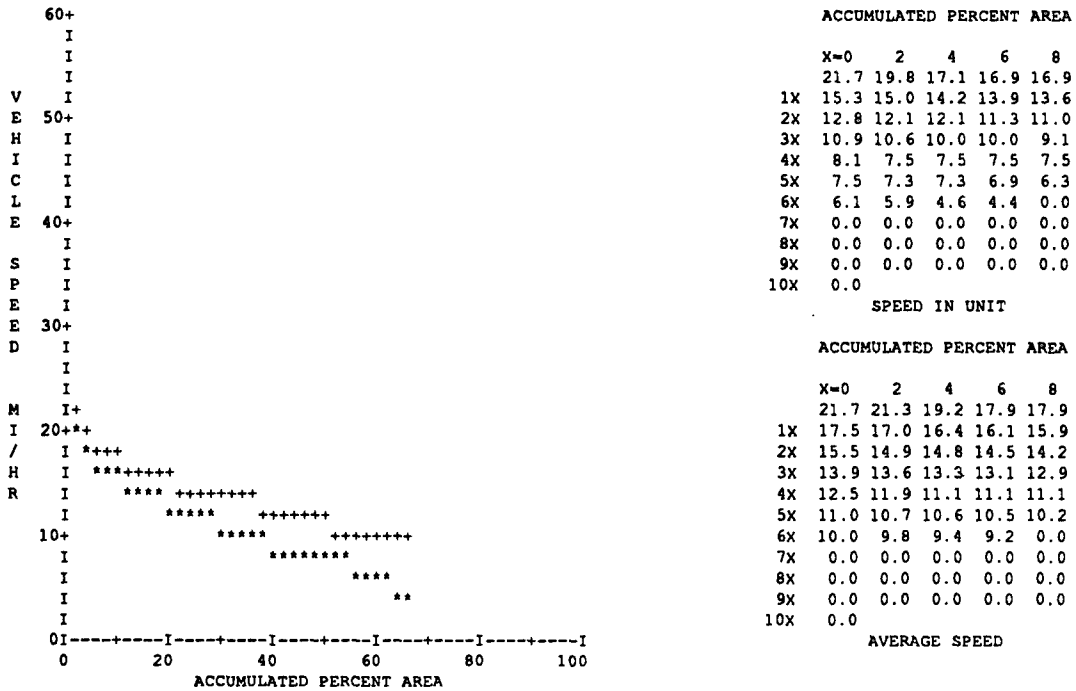
	X=0	2	4	6	8
	19.4	19.4	18.1	17.4	17.4
1X	17.3	17.2	16.4	16.3	16.2
2X	16.0	15.6	15.5	14.7	14.7
3X	14.7	14.2	14.2	14.1	14.0
4X	13.9	13.7	13.5	13.3	12.9
5X	12.3	12.2	11.4	11.4	11.4
6X	11.3	11.0	10.9	10.8	10.4
7X	10.4	10.4	10.3	10.1	10.0
8X	10.0	9.9	9.8	9.6	9.6
9X	9.4	9.4	9.3	9.2	9.0
10X	8.9				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP_SLOPE			DOWN_SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	186	15.15	9.87	0	0.00	0.00
4 CURVATURE	44	0.89	7.00	67	1.37	9.37
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	165	24.95	9.15	328	39.63	11.54
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	395	41.00	9.37	395	41.00	11.47

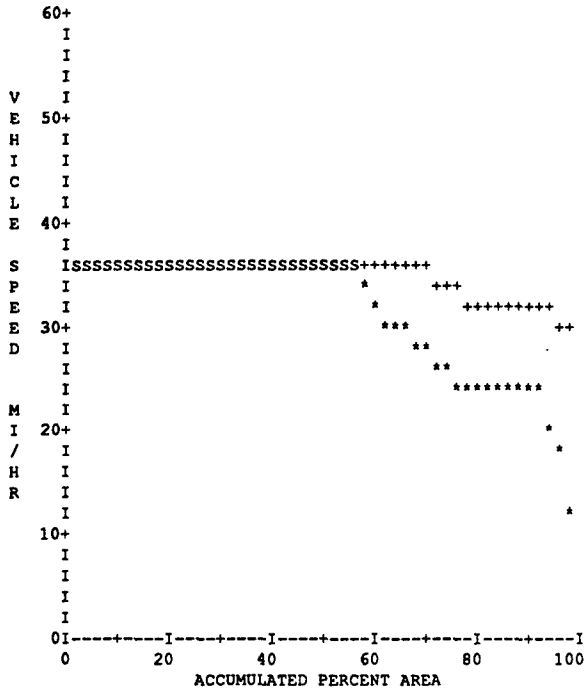
THE VEHICLE IS M977 HEMTT W/IMPROVED RIBBON BRIDGE AND PLS TRAILER THE GEOGRAPHIC AREA IS MID-EAST SAND OCT 83  
 THE SEASON IS DRY SAND



THE NOGO PERCENT OF AREA IS-33.87.

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	276	29.71	8.89	1168	69.20	11.34	872	55.37	10.81
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	448	24.54	10.92	0	0.00	0.00	0	0.00	0.00
4 VISIBILITY	13	0.96	15.22	176	12.45	17.12	363	20.39	12.93
5 MANEUVER	3	0.05	9.29	4	0.05	9.42	4	0.05	9.42
6 MANEUVER	4	0.22	9.77	0	0.00	0.00	0	0.00	0.00
7 OBS IMPACT	7	1.92	10.00	11	2.14	10.00	11	2.14	10.00
8 OBS FORCE	109	6.61	6.00	90	6.14	6.06	88	5.94	5.74
9 DRVR.PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>860</b>	<b>64.00</b>	<b>9.50</b>	<b>1449</b>	<b>89.98</b>	<b>11.75</b>	<b>1338</b>	<b>83.89</b>	<b>10.94</b>
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		111	6.09	
-2 SOIL/SLOPE	589	25.98		0	0.00		0	0.00	
-3 OBS INTRF	134	6.80		134	6.80		134	6.80	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	0	0.00		0	0.00		0	0.00	
-6 OBS FORCE	0	0.00		0	0.00		0	0.00	
<b>TOTAL</b>	<b>723</b>	<b>32.78</b>		<b>134</b>	<b>6.80</b>		<b>245</b>	<b>12.89</b>	

THE VEHICLE IS M977 HEMTT W/HEMAT TRAILER. THE GEOGRAPHIC AREA IS PRIMARY ROADS RT5520  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

X=0	2	4	6	8
36.4	36.4	36.4	36.4	36.4
1X	36.4	36.4	36.4	36.4
2X	36.4	36.4	36.4	36.4
3X	36.4	36.4	36.4	36.4
4X	36.4	36.4	36.4	36.4
5X	36.4	36.4	36.4	34.0
6X	33.0	30.9	30.9	29.0
7X	28.0	25.8	25.3	24.0
8X	23.5	23.5	23.5	23.5
9X	23.5	23.4	19.8	13.0
10X	0.0			

SPEED IN UNIT

ACCUMULATED PERCENT AREA

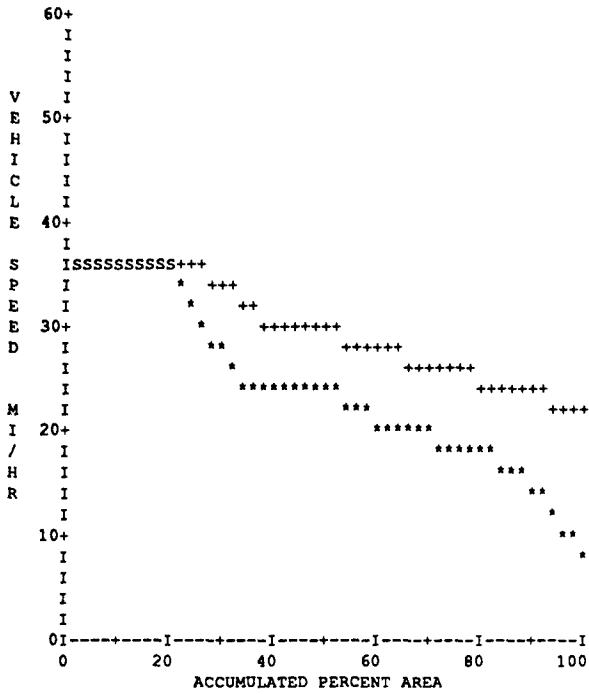
X=0	2	4	6	8
36.4	36.4	36.4	36.4	36.4
1X	36.4	36.4	36.4	36.4
2X	36.4	36.4	36.4	36.4
3X	36.4	36.4	36.4	36.4
4X	36.4	36.4	36.4	36.4
5X	36.4	36.4	36.4	36.3
6X	36.2	35.7	35.7	35.6
7X	35.3	34.9	34.6	34.2
8X	32.9	32.9	31.8	31.8
9X	31.8	31.7	31.4	30.9
10X	0.0			

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	16	34.76	36.41	42	52.60	36.41
3 POWER/RES	55	20.33	20.82	0	0.00	0.00
4 CURVATURE	51	7.11	21.10	80	9.60	22.52
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	0	0.00	0.00	0	0.00	0.00
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	122	62.20	29.56	122	62.20	34.27

THE VEHICLE IS M977 HEMTT W/HEMAT TRAILER. THE GEOGRAPHIC AREA IS SECONDARY RDS RT5520  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

X=0	2	4	6	8	
36.4	36.4	36.4	36.4	36.4	
1X	36.4	36.4	36.4	36.4	
2X	36.0	33.2	31.1	30.9	27.2
3X	27.2	25.8	24.8	24.8	24.8
4X	24.8	24.8	24.8	24.8	23.6
5X	23.1	23.1	23.0	22.3	21.9
6X	20.7	20.5	20.3	20.1	19.4
7X	19.2	18.1	18.1	18.0	18.0
8X	17.8	17.2	16.8	16.1	15.2
9X	14.8	13.5	13.0	10.9	10.0
10X	7.3				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

X=0	2	4	6	8	
36.4	36.4	36.4	36.4	36.4	
1X	36.4	36.4	36.4	36.4	
2X	36.4	36.1	35.3	35.3	34.2
3X	34.2	33.5	32.2	32.1	30.5
4X	30.5	30.5	30.4	30.1	29.7
5X	29.2	29.2	29.0	28.5	28.3
6X	28.1	27.6	27.4	27.0	26.9
7X	26.4	25.8	25.8	25.6	25.3
8X	25.0	24.8	24.5	24.3	23.8
9X	23.6	23.2	22.9	22.4	21.9
10X	21.2				

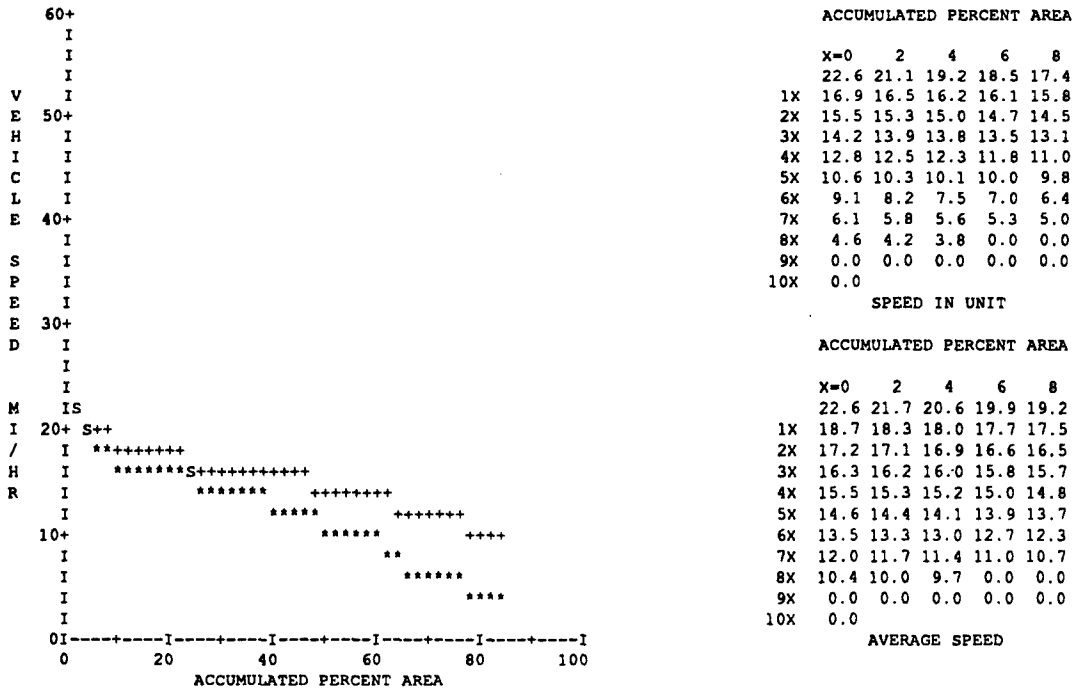
AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	7	37.20	36.41	39	80.20	36.41
3 POWER/RES	228	106.65	16.46	0	0.00	0.00
4 CURVATURE	65	16.59	17.31	187	33.59	21.00
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	19	29.06	24.79	93	75.72	24.79
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	319	189.50	21.73	319	189.50	29.03



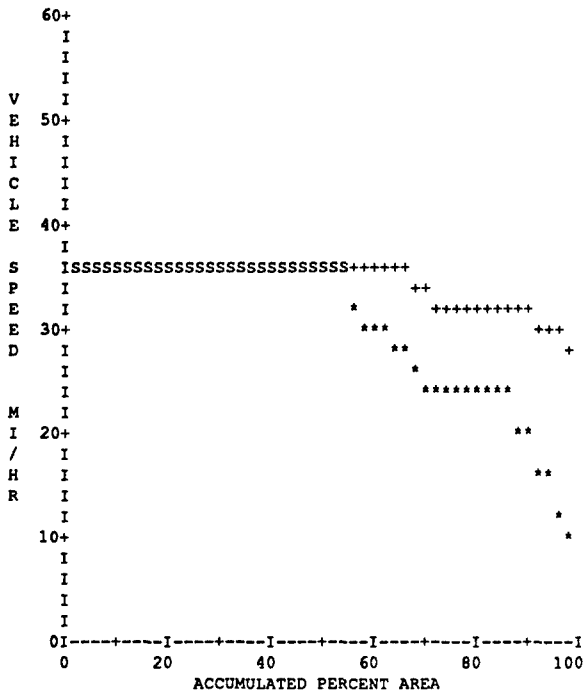
THE VEHICLE IS M977 HEMTT W/HEMAT TRAILER. THE GEOGRAPHIC AREA IS EFOSS QUAD L5322  
 THE SEASON IS DRY



THE NOGO PERCENT OF AREA IS-15.96.

LIMITING FACTOR	UP_SLOPE			LEVEL			DOWN_SLOPE		
	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	76	5.87	9.91	761	52.12	13.71	994	78.32	17.86
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00	79	6.45	36.41
3 POWER/RES	1034	96.72	9.25	568	46.52	20.33	28	1.81	20.61
4 VISIBILITY	0	0.00	0.00	37	5.94	18.72	252	18.15	19.93
5 MANEUVER	31	3.58	6.38	171	19.29	16.03	185	21.86	17.50
6 MANEUVER	90	5.70	7.13	22	2.29	16.02	24	2.39	17.50
7 OBS IMPACT	43	3.40	10.00	169	10.60	10.00	155	9.87	10.00
8 OBS FORCE	590	47.66	7.07	664	47.33	8.94	558	41.49	7.85
9 DRVR_PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>1864</b>	<b>162.92</b>	<b>8.52</b>	<b>2392</b>	<b>184.07</b>	<b>14.37</b>	<b>2275</b>	<b>180.33</b>	<b>15.98</b>
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		123	3.96	
-2 SOIL/SLOPE	541	21.30		0	0.00		0	0.00	
-3 OBS INTRF	101	8.65		124	9.48		118	9.26	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	14	0.71		9	0.29		9	0.29	
-6 OBS FORCE	5	0.27		0	0.00		0	0.00	
<b>TOTAL</b>	<b>661</b>	<b>30.93</b>		<b>133</b>	<b>9.77</b>		<b>250</b>	<b>13.51</b>	

THE VEHICLE IS M977 HEMTT W/HEMAT TRAILER. THE GEOGRAPHIC AREA IS PRIMARY ROADS RT5520  
 THE SEASON IS WET



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	36.4	36.4	36.4	36.4	36.4
1X	36.4	36.4	36.4	36.4	36.4
2X	36.4	36.4	36.4	36.4	36.4
3X	36.4	36.4	36.4	36.4	36.4
4X	36.4	36.4	36.4	36.4	36.4
5X	36.4	36.4	36.4	33.0	30.9
6X	30.9	30.9	28.3	27.1	25.8
7X	24.0	23.5	23.5	23.5	23.5
8X	23.5	23.5	23.5	23.5	20.5
9X	20.5	17.0	16.9	12.7	9.2
10X	0.0				

SPEED IN UNIT

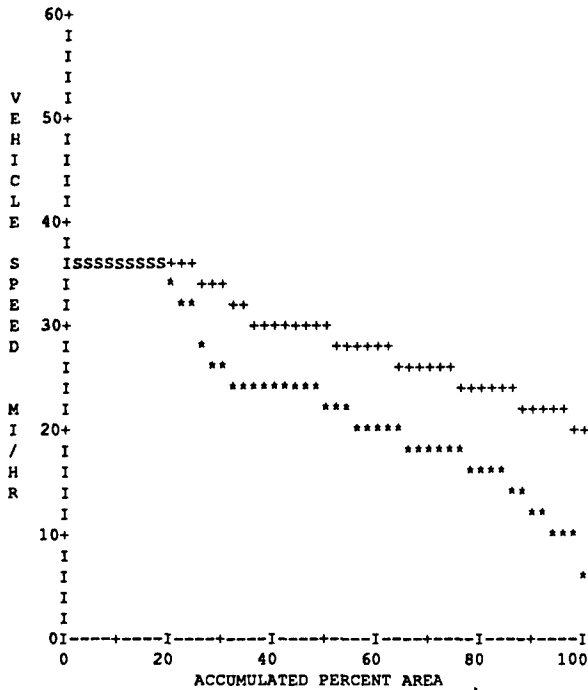
ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	36.4	36.4	36.4	36.4	36.4
1X	36.4	36.4	36.4	36.4	36.4
2X	36.4	36.4	36.4	36.4	36.4
3X	36.4	36.4	36.4	36.4	36.4
4X	36.4	36.4	36.4	36.4	36.4
5X	36.4	36.4	36.4	36.3	35.7
6X	35.7	35.7	35.5	35.3	35.0
7X	34.5	33.0	33.0	33.0	31.8
8X	31.8	31.8	31.8	31.7	31.4
9X	31.1	30.5	30.1	29.2	28.3
10X	0.0				

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	12	33.72	36.41	30	50.84	36.41
3 POWER/RES	35	18.94	20.78	0	0.00	0.00
4 CURVATURE	75	9.55	16.87	92	11.36	17.84
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	0	0.00	0.00	0	0.00	0.00
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>122</b>	<b>62.20</b>	<b>28.65</b>	<b>122</b>	<b>62.20</b>	<b>33.02</b>

THE VEHICLE IS M977 HEMTT W/HEMAT TRAILER THE GEOGRAPHIC AREA IS SECONDARY RDS RT5520  
 THE SEASON IS WET



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	36.4	36.4	36.4	36.4	36.4
1X	36.4	36.4	36.4	36.4	36.4
2X	33.9	31.9	31.1	27.2	26.5
3X	25.5	24.8	24.8	24.8	24.8
4X	24.8	24.8	24.8	23.4	23.1
5X	22.6	22.3	21.9	20.5	20.5
6X	20.1	19.6	19.2	18.4	18.4
7X	18.1	17.8	17.8	17.2	16.6
8X	16.3	15.8	15.2	14.8	13.5
9X	12.7	12.5	10.9	9.4	9.2
10X	6.4				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

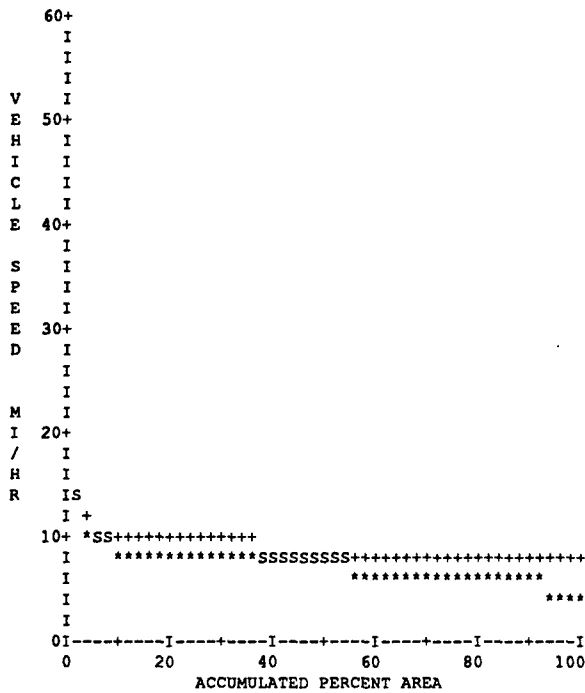
	X=0	2	4	6	8
	36.4	36.4	36.4	36.4	36.4
1X	36.4	36.4	36.4	36.4	36.4
2X	36.4	36.0	35.3	34.2	34.2
3X	33.8	32.2	32.2	30.5	30.5
4X	30.5	30.5	30.2	29.9	29.3
5X	29.2	28.7	28.4	27.7	27.7
6X	27.2	27.1	26.6	26.4	26.1
7X	25.5	25.0	25.0	24.9	24.6
8X	24.2	24.0	23.5	23.3	23.0
9X	22.6	22.2	21.7	21.3	20.7
10X	19.6				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	5	36.40	36.41	22	77.19	36.41
3 POWER/RES	190	98.02	16.19	0	0.00	0.00
4 CURVATURE	112	28.55	14.78	241	43.74	17.01
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	12	26.54	24.79	56	68.58	24.79
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>319</b>	<b>189.50</b>	<b>21.06</b>	<b>319</b>	<b>189.50</b>	<b>27.73</b>

THE VEHICLE IS M977 HEMTT W/HEMAT TRAILER. THE GEOGRAPHIC AREA IS TRAILS RT5520R  
 THE SEASON IS WET

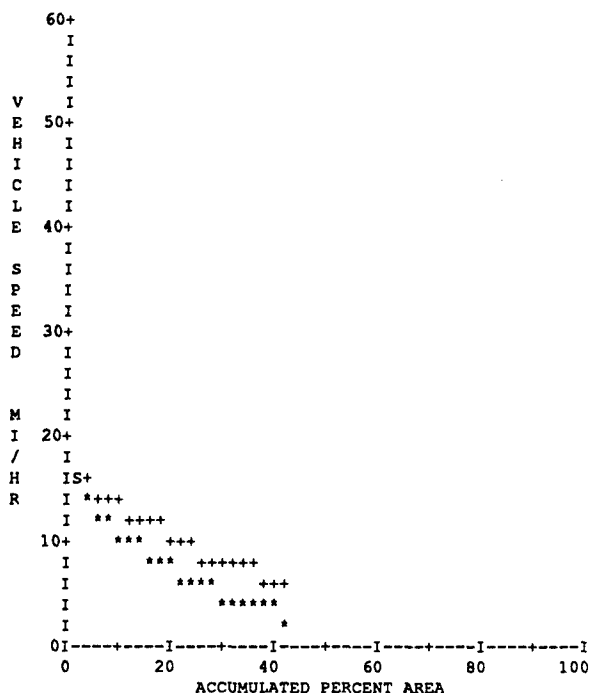


ACCUMULATED PERCENT AREA					
	X=0	2	4	6	8
	13.8	13.1	10.7	9.7	9.7
1X	9.0	8.9	8.9	8.9	8.9
2X	8.9	8.9	8.7	8.6	8.4
3X	8.3	8.3	8.3	7.6	7.6
4X	7.5	7.5	7.5	7.4	7.3
5X	7.3	7.3	7.1	6.8	6.7
6X	6.7	6.4	6.4	6.3	6.3
7X	6.3	6.3	6.3	6.3	6.3
8X	6.3	5.9	5.9	5.9	5.9
9X	5.9	5.6	5.0	5.0	5.0
10X	4.1				
SPEED IN UNIT					
ACCUMULATED PERCENT AREA					
	X=0	2	4	6	8
	13.8	13.2	11.9	10.8	10.7
1X	10.2	9.9	9.9	9.6	9.6
2X	9.5	9.5	9.4	9.3	9.3
3X	9.2	9.1	9.1	9.0	8.9
4X	8.8	8.8	8.7	8.6	8.5
5X	8.5	8.5	8.4	8.3	8.2
6X	8.2	8.1	8.1	7.9	7.9
7X	7.9	7.8	7.8	7.7	7.7
8X	7.6	7.5	7.5	7.5	7.5
9X	7.4	7.4	7.3	7.2	7.2
10X	7.0				
AVERAGE SPEED					

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	336	34.71	6.21	67	8.00	11.48
4 CURVATURE	64	2.25	5.15	119	3.44	7.18
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	76	8.17	6.95	290	33.69	9.66
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	476	45.12	6.29	476	45.12	9.79

THE VEHICLE IS M977 HEMT1 W/HEMAT TRAILER THE GEOGRAPHIC AREA IS EFOSS QUAD L5322  
 THE SEASON IS WET



ACCUMULATED PERCENT AREA					
	X=0	2	4	6	8
	17.4	16.1	14.3	12.7	11.9
1X	10.9	10.1	9.5	8.8	7.9
2X	7.2	6.3	5.8	5.4	5.3
3X	5.0	4.8	4.6	4.4	4.0
4X	3.3	1.8	0.0	0.0	0.0
5X	0.0	0.0	0.0	0.0	0.0
6X	0.0	0.0	0.0	0.0	0.0
7X	0.0	0.0	0.0	0.0	0.0
8X	0.0	0.0	0.0	0.0	0.0
9X	0.0	0.0	0.0	0.0	0.0
10X	0.0				

ACCUMULATED PERCENT AREA					
	X=0	2	4	6	8
	17.4	16.5	15.6	14.6	13.9
1X	13.2	12.6	12.1	11.6	11.1
2X	10.5	10.0	9.5	9.0	8.5
3X	8.2	7.8	7.5	7.2	7.0
4X	6.7	6.2	0.0	0.0	0.0
5X	0.0	0.0	0.0	0.0	0.0
6X	0.0	0.0	0.0	0.0	0.0
7X	0.0	0.0	0.0	0.0	0.0
8X	0.0	0.0	0.0	0.0	0.0
9X	0.0	0.0	0.0	0.0	0.0
10X	0.0				

AVERAGE SPEED					
	X=0	2	4	6	8
	17.4	16.5	15.6	14.6	13.9
1X	13.2	12.6	12.1	11.6	11.1
2X	10.5	10.0	9.5	9.0	8.5
3X	8.2	7.8	7.5	7.2	7.0
4X	6.7	6.2	0.0	0.0	0.0
5X	0.0	0.0	0.0	0.0	0.0
6X	0.0	0.0	0.0	0.0	0.0
7X	0.0	0.0	0.0	0.0	0.0
8X	0.0	0.0	0.0	0.0	0.0
9X	0.0	0.0	0.0	0.0	0.0
10X	0.0				

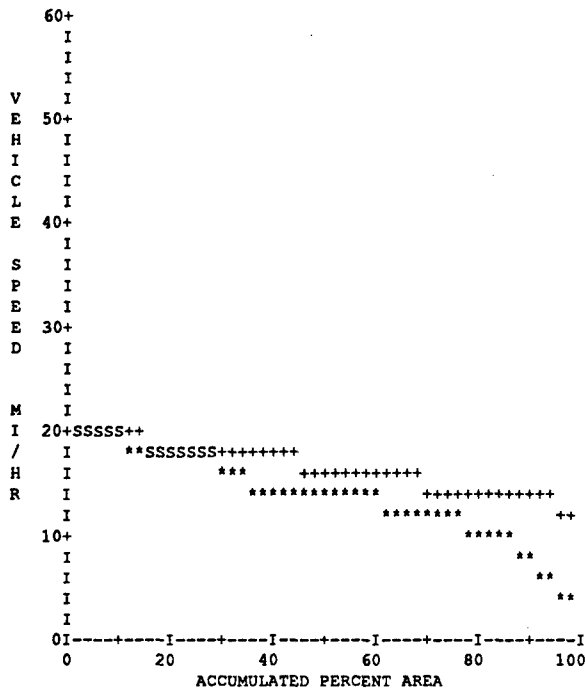
THE NOGO PERCENT OF AREA IS-58.85.

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	19	1.44	8.71	182	10.41	11.53	419	28.34	14.99
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00	7	0.41	36.41
3 POWER/RES	591	50.29	5.85	926	76.65	6.44	671	66.49	6.54
4 VISIBILITY	0	0.00	0.00	13	1.07	18.40	256	12.56	15.58
5 MANEUVER	13	1.15	4.71	47	2.91	10.82	91	6.88	14.73
6 MANEUVER	69	4.44	5.16	77	5.19	4.93	66	5.71	6.17
7 OBS IMPACT	3	0.25	10.00	52	2.69	10.00	99	4.85	10.00
8 OBS FORCE	305	22.22	5.12	413	28.29	6.41	576	45.62	5.93
9 DRVR_PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>1000</b>	<b>79.79</b>	<b>5.65</b>	<b>1710</b>	<b>127.20</b>	<b>7.07</b>	<b>2185</b>	<b>170.85</b>	<b>8.93</b>
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		97	2.89	
-2 SOIL/SLOPE	1434	104.63		556	44.03		80	9.09	
-3 OBS INTRF	50	5.10		98	8.61		121	9.18	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	11	1.95		52	5.12		14	0.55	
-6 OBS FORCE	30	2.39		109	8.89		28	1.28	
<b>TOTAL</b>	<b>1525</b>	<b>114.07</b>		<b>815</b>	<b>66.65</b>		<b>340</b>	<b>23.00</b>	





THE VEHICLE IS M977 HEMTT W/HEMAT TRAILER. THE GEOGRAPHIC AREA IS TRAILS RT5520R  
 THE SEASON IS SNOW



ACCUMULATED PERCENT AREA					
	X=0	2	4	6	8
	19.7	19.4	19.4	19.4	19.2
1X	19.2	18.8	18.8	17.9	17.9
2X	17.9	17.8	17.8	17.4	17.4
3X	15.9	15.3	15.1	14.8	14.8
4X	14.7	14.7	14.1	13.8	13.8
5X	13.6	13.6	13.5	13.5	13.5
6X	13.1	12.2	11.7	11.7	11.5
7X	11.1	11.1	11.1	11.1	10.4
8X	10.3	10.0	9.9	9.1	8.1
9X	7.7	6.7	6.6	3.7	3.7
10X	0.0				

SPEED IN UNIT					
	X=0	2	4	6	8
	19.7	19.4	19.4	19.4	19.3
1X	19.3	19.2	19.2	18.9	18.9
2X	18.9	18.7	18.7	18.6	18.5
3X	18.3	18.1	17.8	17.5	17.5
4X	17.2	17.2	17.1	16.8	16.6
5X	16.5	16.4	16.2	16.1	16.1
6X	16.0	15.8	15.5	15.4	15.4
7X	14.9	14.9	14.8	14.8	14.6
8X	14.5	14.3	14.2	14.0	13.7
9X	13.5	13.3	13.0	12.5	11.9
10X	0.0				

ACCUMULATED PERCENT AREA					
	X=0	2	4	6	8
	19.7	19.4	19.4	19.4	19.3
1X	19.3	19.2	19.2	18.9	18.9
2X	18.9	18.7	18.7	18.6	18.5
3X	18.3	18.1	17.8	17.5	17.5
4X	17.2	17.2	17.1	16.8	16.6
5X	16.5	16.4	16.2	16.1	16.1
6X	16.0	15.8	15.5	15.4	15.4
7X	14.9	14.9	14.8	14.8	14.6
8X	14.5	14.3	14.2	14.0	13.7
9X	13.5	13.3	13.0	12.5	11.9
10X	0.0				

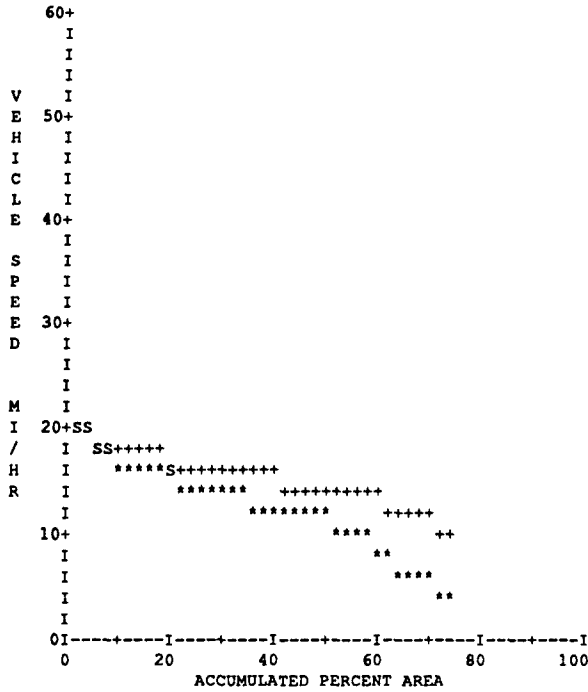
  

AVERAGE SPEED					
	X=0	2	4	6	8
	19.7	19.4	19.4	19.4	19.3
1X	19.3	19.2	19.2	18.9	18.9
2X	18.9	18.7	18.7	18.6	18.5
3X	18.3	18.1	17.8	17.5	17.5
4X	17.2	17.2	17.1	16.8	16.6
5X	16.5	16.4	16.2	16.1	16.1
6X	16.0	15.8	15.5	15.4	15.4
7X	14.9	14.9	14.8	14.8	14.6
8X	14.5	14.3	14.2	14.0	13.7
9X	13.5	13.3	13.0	12.5	11.9
10X	0.0				

THE NOGO PERCENT OF AREA IS- 1.55.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	320	40.04	10.37	22	6.55	27.20
4 CURVATURE	142	4.38	6.29	397	18.91	21.29
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	0	0.00	0.00	57	19.66	26.81
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	462	44.42	9.97	476	45.12	24.55
<u>NOGO TERRAIN UNITS</u>						
-3 POWER/RES	14	0.70		0	0.00	
TOTAL	14	0.70		0	0.00	
<u>MAX RESISTANCE IN A POWER/RES NOGO - VELOCITY INDEPENDENT</u>						
4 GRADE	14	0.70		0	0.00	
TOTAL	14	0.70		0	0.00	

THE VEHICLE IS M977 HEMTT W/HEMAT TRAILER. THE GEOGRAPHIC AREA IS EFOSS QUAD L5322  
 THE SEASON IS SNOW



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	19.3	19.3	19.1	18.2	17.4
1X	16.8	16.5	16.2	15.8	15.2
2X	15.1	14.8	14.6	14.3	14.0
3X	13.5	13.4	13.1	12.9	12.8
4X	12.4	12.2	11.8	11.6	11.4
5X	11.2	10.3	10.0	9.6	9.2
6X	8.8	7.2	6.1	5.9	5.5
7X	5.0	4.5	3.9	0.0	0.0
8X	0.0	0.0	0.0	0.0	0.0
9X	0.0	0.0	0.0	0.0	0.0
10X	0.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

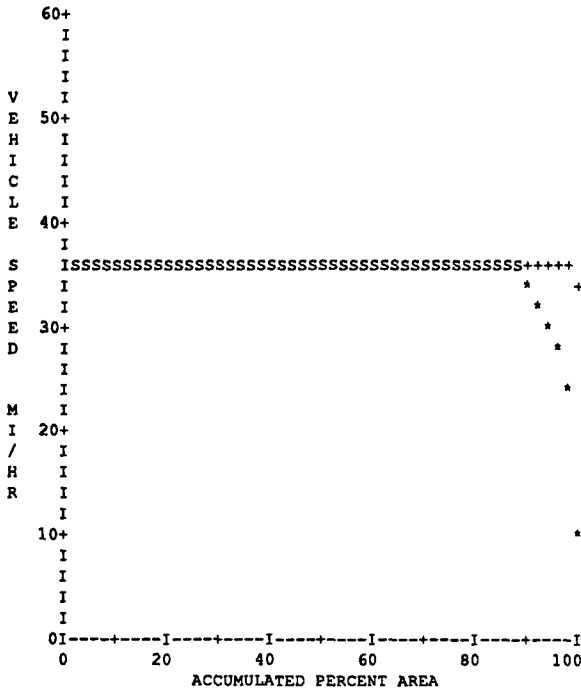
	X=0	2	4	6	8
	19.3	19.3	19.2	19.0	18.7
1X	18.3	17.9	17.7	17.4	17.2
2X	16.9	16.7	16.5	16.3	16.2
3X	16.0	15.8	15.6	15.4	15.3
4X	15.1	14.9	14.7	14.6	14.4
5X	14.3	14.1	13.9	13.7	13.5
6X	13.2	13.0	12.6	12.1	11.7
7X	11.4	10.9	10.5	0.0	0.0
8X	0.0	0.0	0.0	0.0	0.0
9X	0.0	0.0	0.0	0.0	0.0
10X	0.0				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS-25.59.

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	0	0.00	0.00	0	0.00	0.00	61	5.28	29.97
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00	202	17.20	40.95
3 POWER/RES	882	87.05	8.71	1107	82.56	18.87	83	7.39	29.48
4 VISIBILITY	0	0.00	0.00	46	6.58	17.10	731	59.82	22.66
5 MANEUVER	23	2.47	6.56	239	25.24	15.42	216	25.06	18.25
6 MANEUVER	90	7.35	7.58	35	3.40	15.20	44	4.41	18.29
7 OBS IMPACT	21	1.45	10.00	182	11.31	10.00	135	9.10	10.00
8 OBS FORCE	535	45.95	6.92	780	54.71	10.00	516	40.51	8.27
9 DRVR PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>1551</b>	<b>144.25</b>	<b>8.06</b>	<b>2389</b>	<b>183.78</b>	<b>15.08</b>	<b>1988</b>	<b>168.74</b>	<b>20.15</b>
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		421	15.86	
-2 SOIL/SLOPE	873	41.35		0	0.00		0	0.00	
-3 OBS INTRF	81	7.62		124	9.48		106	8.85	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	11	0.39		12	0.59		10	0.40	
-6 OBS FORCE	9	0.25		0	0.00		0	0.00	
<b>TOTAL</b>	<b>974</b>	<b>49.60</b>		<b>136</b>	<b>10.07</b>		<b>537</b>	<b>25.11</b>	

THE VEHICLE IS M977 HEMTT W/HEMAT TRAILER. THE GEOGRAPHIC AREA IS MIDEAST PRIMARY ROAD  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

X=0	2	4	6	8
36.4	36.4	36.4	36.4	36.4
1X	36.4	36.4	36.4	36.4
2X	36.4	36.4	36.4	36.4
3X	36.4	36.4	36.4	36.4
4X	36.4	36.4	36.4	36.4
5X	36.4	36.4	36.4	36.4
6X	36.4	36.4	36.4	36.4
7X	36.4	36.4	36.4	36.4
8X	36.4	36.4	36.4	36.4
9X	34.0	33.0	31.0	29.0
10X	10.0			

SPEED IN UNIT

ACCUMULATED PERCENT AREA

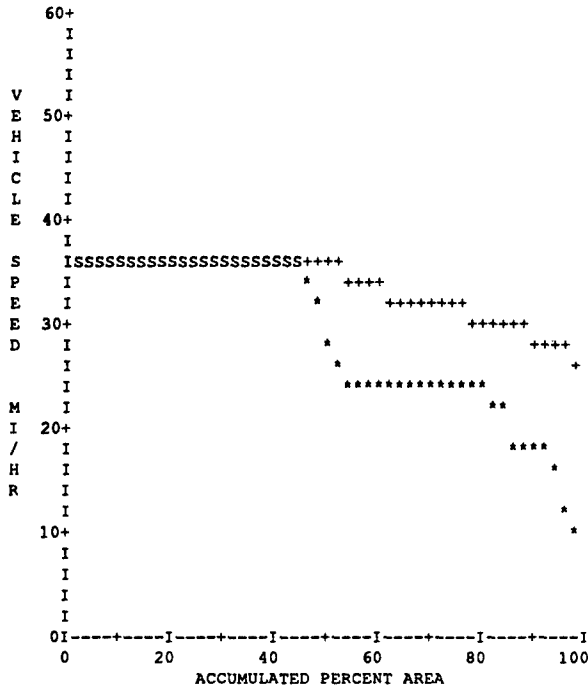
X=0	2	4	6	8
36.4	36.4	36.4	36.4	36.4
1X	36.4	36.4	36.4	36.4
2X	36.4	36.4	36.4	36.4
3X	36.4	36.4	36.4	36.4
4X	36.4	36.4	36.4	36.4
5X	36.4	36.4	36.4	36.4
6X	36.4	36.4	36.4	36.4
7X	36.4	36.4	36.4	36.4
8X	36.4	36.4	36.4	36.4
9X	36.4	36.3	36.3	36.0
10X	34.4			

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP_SLOPE			DOWN_SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	17	15.46	36.41	20	15.90	36.41
3 POWER/RES	6	0.48	29.42	0	0.00	0.00
4 CURVATURE	26	1.50	25.70	29	1.53	25.85
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	0	0.00	0.00	0	0.00	0.00
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	49	17.43	35.30	49	17.43	35.48

THE VEHICLE IS M977 HEMTT W/HEMAT TRAILER. THE GEOGRAPHIC AREA IS MIDEAST SECOND ROADS  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

X=0	2	4	6	8
36.4	36.4	36.4	36.4	36.4
1X	36.4	36.4	36.4	36.4
2X	36.4	36.4	36.4	36.4
3X	36.4	36.4	36.4	36.4
4X	36.4	36.4	36.0	33.2
5X	27.2	26.0	24.8	24.8
6X	24.8	24.8	24.8	24.8
7X	24.8	24.8	24.8	24.8
8X	23.1	23.0	22.2	18.1
9X	17.8	17.8	16.8	11.7
10X	0.0			

SPEED IN UNIT

ACCUMULATED PERCENT AREA

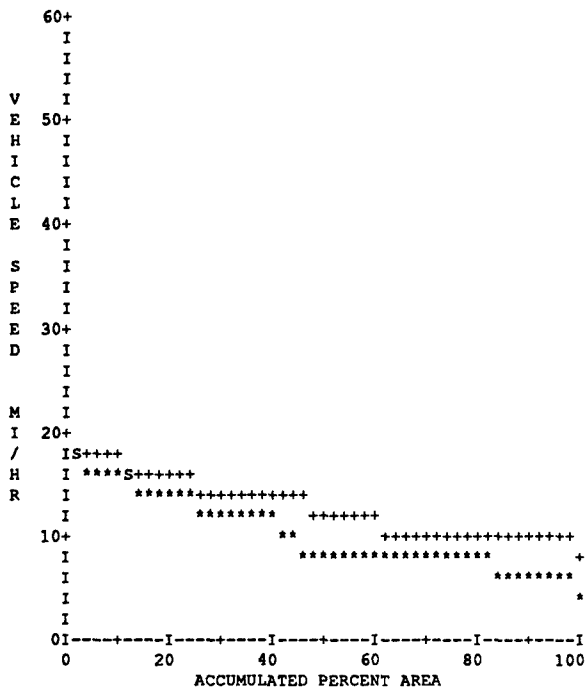
X=0	2	4	6	8
36.4	36.4	36.4	36.4	36.4
1X	36.4	36.4	36.4	36.4
2X	36.4	36.4	36.4	36.4
3X	36.4	36.4	36.4	36.4
4X	36.4	36.4	36.4	36.3
5X	35.9	35.2	33.0	33.0
6X	33.0	32.1	32.1	32.1
7X	31.3	31.3	31.2	31.1
8X	30.6	30.4	30.1	29.4
9X	28.4	28.4	28.2	27.3
10X	0.0			

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	7	34.54	36.41	27	42.51	36.41
3 POWER/RES	97	19.96	16.34	0	0.00	0.00
4 CURVATURE	35	5.93	24.69	77	8.62	26.46
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	19	19.43	24.79	54	28.74	24.79
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	158	79.87	27.70	158	79.87	31.15

THE VEHICLE IS M977 HEMTT W/HEMAT TRAILER. THE GEOGRAPHIC AREA IS MIDEAST TRAILS  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	18.8	18.8	16.7	16.7	16.7
1X	16.4	16.1	13.9	13.9	13.9
2X	13.9	13.4	13.4	12.1	12.1
3X	12.1	12.1	12.1	12.1	12.1
4X	11.4	10.9	10.1	8.3	8.1
5X	7.6	7.6	7.5	7.5	7.5
6X	7.5	7.5	7.5	7.5	7.5
7X	7.5	7.5	7.5	7.5	7.5
8X	7.5	7.5	6.4	6.3	6.3
9X	6.3	6.3	6.3	6.3	5.9
10X	3.6				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

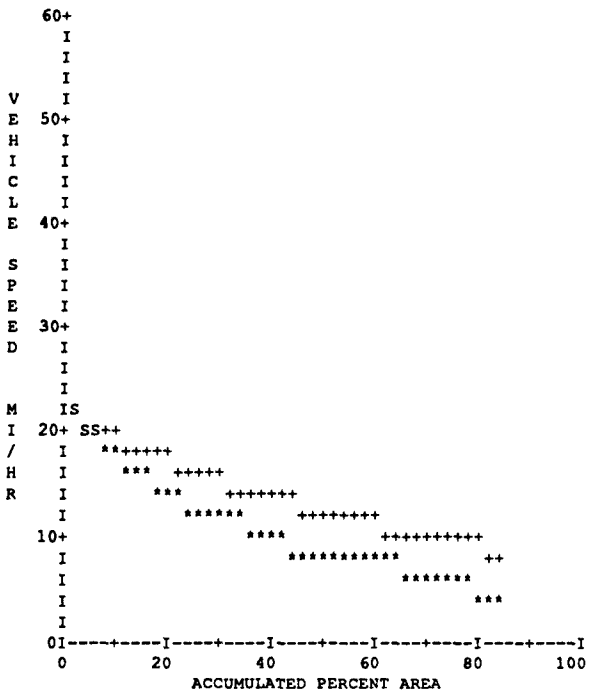
	X=0	2	4	6	8
	18.8	18.8	17.5	17.4	17.3
1X	17.1	17.0	15.9	15.9	15.8
2X	15.6	15.3	15.2	14.5	14.5
3X	14.4	14.1	14.0	14.0	13.9
4X	13.7	13.5	13.3	13.1	12.8
5X	12.2	12.1	11.3	11.3	11.3
6X	11.2	10.9	10.9	10.7	10.3
7X	10.3	10.3	10.2	10.1	9.9
8X	9.9	9.9	9.8	9.5	9.5
9X	9.3	9.3	9.2	9.1	9.0
10X	8.9				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	186	15.15	9.56	0	0.00	0.00
4 CURVATURE	44	0.89	6.99	67	1.37	9.37
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	165	24.95	9.15	328	39.63	11.54
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	395	41.00	9.25	395	41.00	11.47

THE VEHICLE IS M977 HEMTT W/HEMAT TRAILER. THE GEOGRAPHIC AREA IS TV3254IV  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	21.3	21.1	19.2	19.2	18.5
1X	17.5	16.7	16.3	15.3	15.0
2X	14.2	13.2	12.8	12.1	12.1
3X	11.5	11.0	11.0	10.2	10.0
4X	9.9	9.3	8.7	8.2	8.1
5X	7.5	7.5	7.5	7.5	7.5
6X	7.3	7.3	7.3	6.9	6.4
7X	6.3	6.0	6.0	5.8	5.1
8X	4.4	4.3	4.0	0.0	0.0
9X	0.0	0.0	0.0	0.0	0.0
10X	0.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

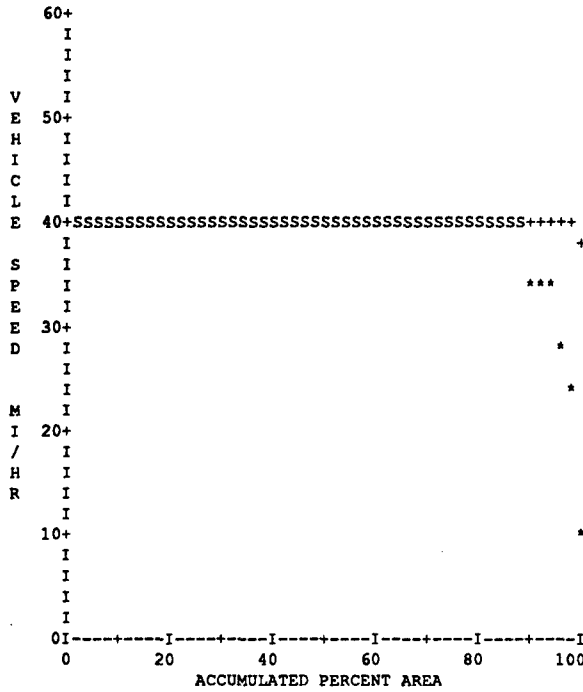
	X=0	2	4	6	8
	21.3	21.2	20.2	19.6	19.6
1X	19.2	18.8	18.4	18.0	17.6
2X	17.1	16.8	16.4	15.8	15.6
3X	15.3	14.9	14.6	14.3	14.0
4X	13.7	13.4	13.1	12.8	12.4
5X	11.9	11.2	11.2	11.2	11.1
6X	11.0	10.8	10.7	10.5	10.3
7X	10.1	9.9	9.8	9.6	9.4
8X	9.2	8.9	8.7	0.0	0.0
9X	0.0	0.0	0.0	0.0	0.0
10X	0.0				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS-15.95.

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	470	38.43	9.12	836	60.01	11.31	899	64.22	12.05
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	439	26.24	11.42	64	4.40	21.47	0	0.00	0.00
4 VISIBILITY	6	0.30	17.43	29	1.48	17.22	33	1.70	15.67
5 MANEUVER	7	0.15	14.15	19	0.96	17.61	19	0.96	17.61
6 MANEUVER	28	1.77	5.72	1	0.03	7.05	1	0.03	7.05
7 OBS IMPACT	33	2.65	10.00	53	3.72	10.00	53	3.72	10.00
8 OBS FORCE	226	11.81	5.69	208	10.77	5.86	205	10.75	5.93
9 DRVR PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>1209</b>	<b>81.34</b>	<b>9.36</b>	<b>1210</b>	<b>81.37</b>	<b>11.26</b>	<b>1210</b>	<b>81.37</b>	<b>11.29</b>
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		0	0.00	
-2 SOIL/SLOPE	3	0.06		0	0.00		0	0.00	
-3 OBS INTRF	371	15.38		373	15.41		373	15.41	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	0	0.00		0	0.00		0	0.00	
-6 OBS FORCE	0	0.00		0	0.00		0	0.00	
<b>TOTAL</b>	<b>374</b>	<b>15.44</b>		<b>373</b>	<b>15.41</b>		<b>373</b>	<b>15.41</b>	

THE VEHICLE IS M977 HEMTT W/HEMAT TRAILER. THE GEOGRAPHIC AREA IS MIDEAST PRIMARY ROAD  
 THE SEASON IS DRY SAND



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	41.0	41.0	41.0	41.0	41.0
1X	41.0	41.0	41.0	41.0	41.0
2X	41.0	41.0	41.0	41.0	41.0
3X	41.0	41.0	41.0	41.0	41.0
4X	41.0	41.0	41.0	41.0	41.0
5X	41.0	41.0	41.0	41.0	41.0
6X	41.0	41.0	41.0	41.0	41.0
7X	41.0	41.0	41.0	41.0	41.0
8X	41.0	41.0	41.0	41.0	40.0
9X	34.8	34.0	33.7	29.0	24.0
10X	10.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	41.0	41.0	41.0	41.0	41.0
1X	41.0	41.0	41.0	41.0	41.0
2X	41.0	41.0	41.0	41.0	41.0
3X	41.0	41.0	41.0	41.0	41.0
4X	41.0	41.0	41.0	41.0	41.0
5X	41.0	41.0	41.0	41.0	41.0
6X	41.0	41.0	41.0	41.0	41.0
7X	41.0	41.0	41.0	41.0	41.0
8X	41.0	41.0	41.0	41.0	40.9
9X	40.8	40.7	40.6	40.1	39.8
10X	38.0				

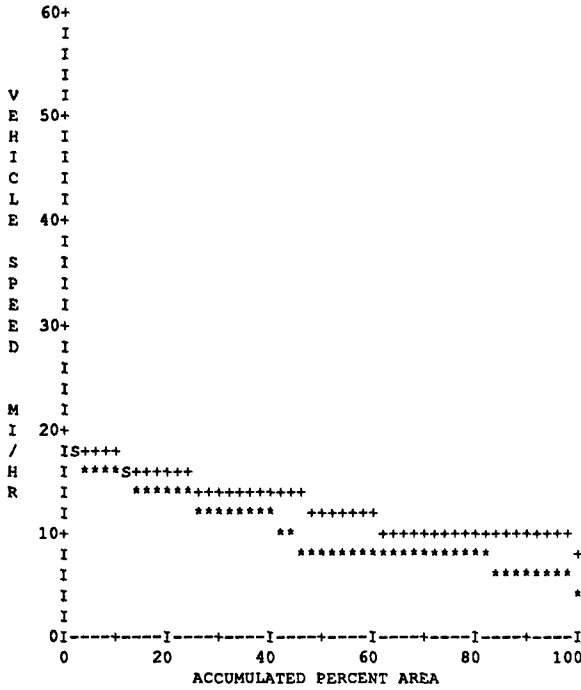
AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	13	14.94	40.95	15	15.36	40.95
3 POWER/RES	6	0.48	29.46	0	0.00	0.00
4 CURVATURE	30	2.02	29.41	34	2.08	29.55
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	0	0.00	0.00	0	0.00	0.00
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>49</b>	<b>17.43</b>	<b>39.30</b>	<b>49</b>	<b>17.43</b>	<b>39.60</b>



THE VEHICLE IS M977 HEMTT W/HEMAT TRAILER. THE GEOGRAPHIC AREA IS MIDEAST TRAILS  
 THE SEASON IS DRY SAND



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	18.8	18.8	16.7	16.7	16.7
1X	16.5	16.1	13.9	13.9	13.9
2X	13.9	13.4	13.4	12.1	12.1
3X	12.1	12.1	12.1	12.1	12.1
4X	11.4	10.9	10.1	8.3	8.1
5X	7.6	7.6	7.5	7.5	7.5
6X	7.5	7.5	7.5	7.5	7.5
7X	7.5	7.5	7.5	7.5	7.5
8X	7.5	7.5	6.4	6.3	6.3
9X	6.3	6.3	6.3	6.3	5.9
10X	3.7				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

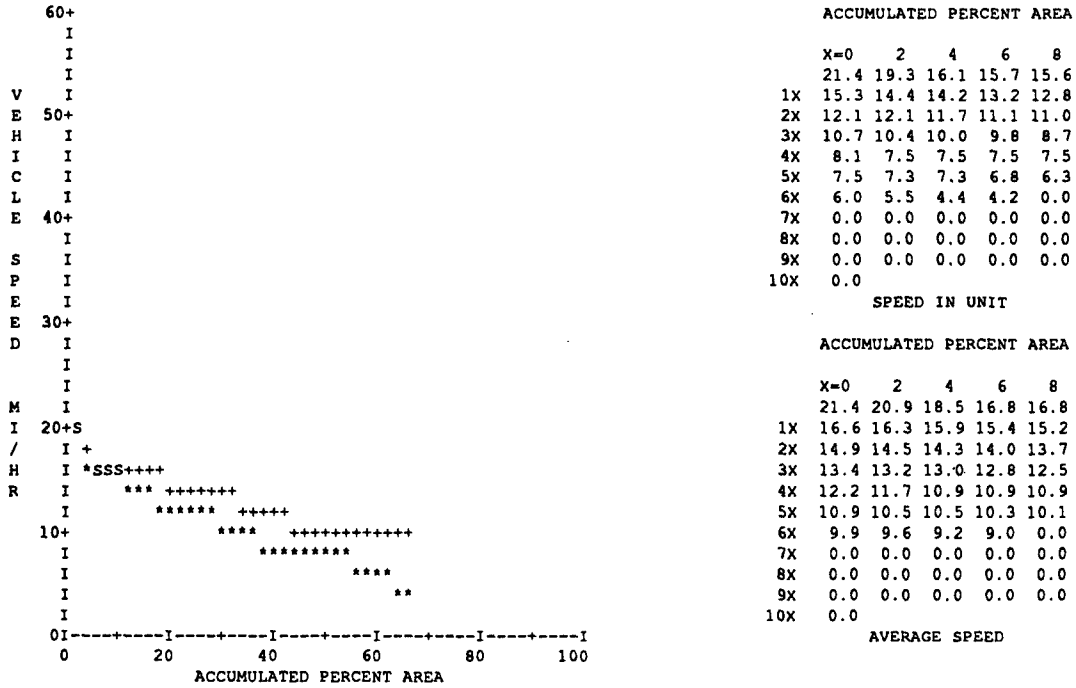
	X=0	2	4	6	8
	18.8	18.8	17.5	17.4	17.3
1X	17.1	17.0	15.9	15.9	15.8
2X	15.6	15.3	15.2	14.5	14.5
3X	14.4	14.1	14.0	14.0	13.9
4X	13.7	13.6	13.4	13.1	12.8
5X	12.2	12.1	11.3	11.3	11.3
6X	11.2	10.9	10.9	10.7	10.3
7X	10.3	10.3	10.2	10.1	9.9
8X	9.9	9.9	9.8	9.5	9.5
9X	9.3	9.3	9.2	9.1	9.0
10X	8.9				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP_SLOPE			DOWN_SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	186	15.15	9.56	0	0.00	0.00
4 CURVATURE	44	0.89	7.00	67	1.37	9.37
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	165	24.95	9.15	328	39.63	11.54
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TTP	0	0.00	0.00	0	0.00	0.00
TOTAL	395	41.00	9.25	395	41.00	11.47

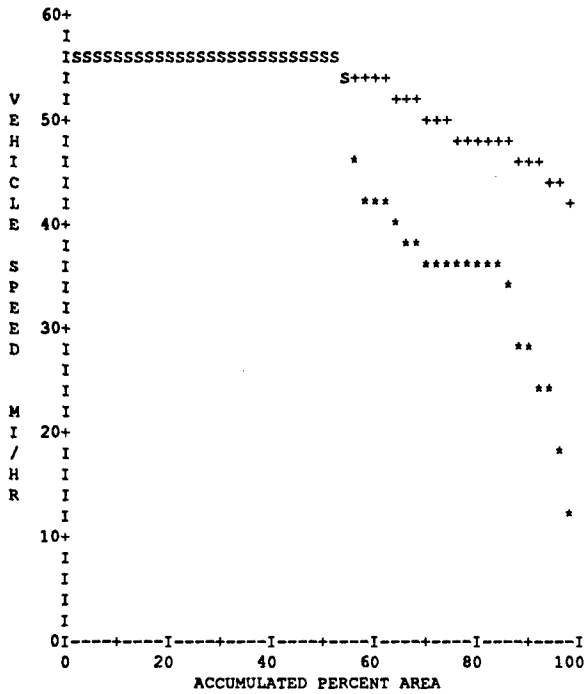
THE VEHICLE IS M977 HEMTT W/HEMAT TRAILER. THE GEOGRAPHIC AREA IS MID-EAST SAND OCT 83  
 THE SEASON IS DRY SAND



THE NOGO PERCENT OF AREA IS-33.86.

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	259	29.14	8.76	1135	67.92	11.15	782	51.71	10.58
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	438	24.45	10.64	0	0.00	0.00	0	0.00	0.00
4 VISIBILITY	14	0.98	14.36	215	14.19	16.36	373	19.66	13.06
5 MANEUVER	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
6 MANEUVER	10	0.53	9.46	0	0.00	0.00	0	0.00	0.00
7 OBS IMPACT	13	1.99	10.00	23	2.52	10.00	23	2.52	10.00
8 OBS FORCE	113	6.92	5.52	96	6.48	5.57	96	6.48	5.64
9 DRVR. PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
TOTAL	847	64.01	9.26	1469	91.11	11.53	1274	80.38	10.77
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		195	10.73	
-2 SOIL/SLOPE	620	26.87		0	0.00		0	0.00	
-3 OBS INTRF	114	5.67		114	5.67		114	5.67	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	0	0.00		0	0.00		0	0.00	
-6 OBS FORCE	2	0.23		0	0.00		0	0.00	
TOTAL	736	32.77		114	5.67		309	16.40	

THE VEHICLE IS OSHKOSH PLS 30 MAR THE GEOGRAPHIC AREA IS PRIMARY ROADS RT5520  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	55.0	55.0	55.0	55.0	55.0
1X	55.0	55.0	55.0	55.0	55.0
2X	55.0	55.0	55.0	55.0	55.0
3X	55.0	55.0	55.0	55.0	55.0
4X	55.0	55.0	55.0	55.0	55.0
5X	55.0	55.0	55.0	46.4	42.9
6X	42.9	42.9	40.0	38.6	37.8
7X	37.0	37.0	37.0	37.0	37.0
8X	37.0	37.0	36.9	34.0	29.0
9X	29.0	24.0	24.0	18.0	13.0
10X	0.0				

SPEED IN UNIT

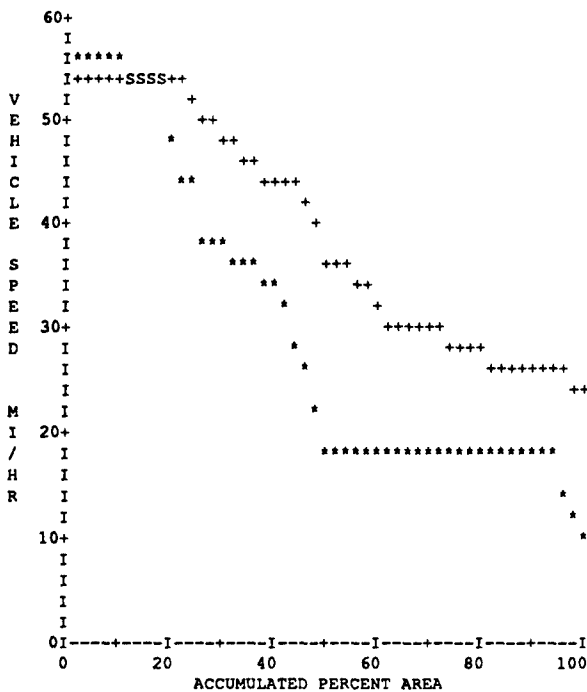
ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	55.0	55.0	55.0	55.0	55.0
1X	55.0	55.0	55.0	55.0	55.0
2X	55.0	55.0	55.0	55.0	55.0
3X	55.0	55.0	55.0	55.0	55.0
4X	55.0	55.0	55.0	55.0	55.0
5X	55.0	55.0	55.0	54.6	53.4
6X	53.4	53.2	52.9	52.4	51.6
7X	49.8	49.8	49.8	48.2	48.2
8X	48.2	48.2	48.1	47.8	47.0
9X	46.6	45.7	44.9	43.5	42.0
10X	0.0				

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP_SLOPE			DOWN_SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	39	19.48	31.26	0	0.00	0.00
4 CURVATURE	76	10.34	25.83	104	13.18	29.34
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	7	32.38	55.00	18	49.03	55.00
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>122</b>	<b>62.20</b>	<b>42.72</b>	<b>122</b>	<b>62.20</b>	<b>49.56</b>

THE VEHICLE IS OSHKOSH PLS 30 MAR THE GEOGRAPHIC AREA IS SECONDARY RDS RT5520  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

X=0	2	4	6	8	
55.0	55.0	55.0	55.0	55.0	
1X	55.0	53.0	53.0	53.0	53.0
2X	48.0	43.6	43.4	38.7	37.9
3X	37.1	36.2	35.3	35.2	34.4
4X	33.5	32.1	28.0	25.4	23.0
5X	18.5	18.5	18.5	18.5	18.5
6X	18.5	18.5	18.5	18.5	18.5
7X	18.5	18.5	18.5	18.5	18.5
8X	18.5	18.5	18.5	18.5	18.5
9X	18.0	18.0	17.3	14.5	13.0
10X	10.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

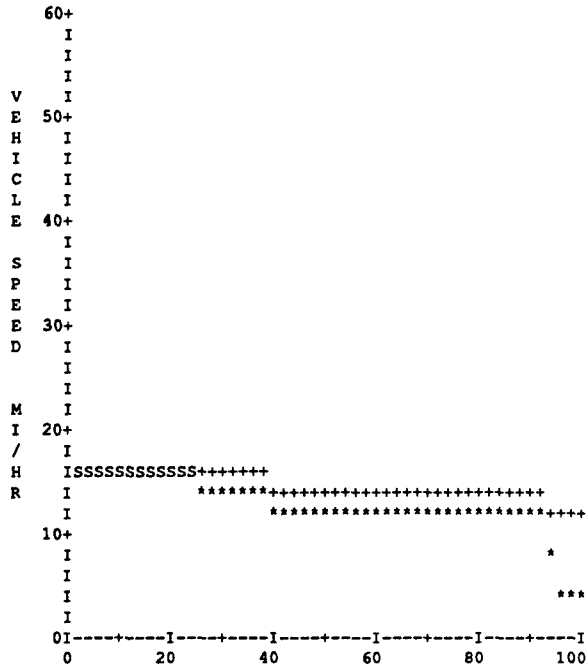
X=0	2	4	6	8	
55.0	55.0	55.0	55.0	55.0	
1X	55.0	54.2	54.2	54.2	54.2
2X	54.2	53.3	51.8	50.0	49.5
3X	48.7	48.0	46.4	46.3	44.8
4X	44.2	44.0	43.1	41.9	40.5
5X	36.7	36.6	35.5	33.9	33.8
6X	32.3	29.8	29.8	29.8	29.7
7X	29.5	29.0	28.3	28.2	27.8
8X	27.3	26.9	26.8	26.4	26.3
9X	26.0	25.8	25.5	25.2	24.7
10X	23.8				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	123	67.69	31.77	0	0.00	0.00
4 CURVATURE	114	24.98	19.48	185	33.14	23.25
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	82	96.84	26.76	134	156.36	36.52
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	319	189.50	27.59	319	189.50	34.20

THE VEHICLE IS OSHKOSH PLS 30 MAR THE GEOGRAPHIC AREA IS TRAILS RT5520R  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP_SLOPE			DOWN_SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	54	3.04	10.82	0	0.00	0.00
4 CURVATURE	137	4.07	7.42	141	4.13	7.50
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	285	38.02	13.36	335	40.99	13.39
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>476</b>	<b>45.12</b>	<b>12.65</b>	<b>476</b>	<b>45.12</b>	<b>12.85</b>

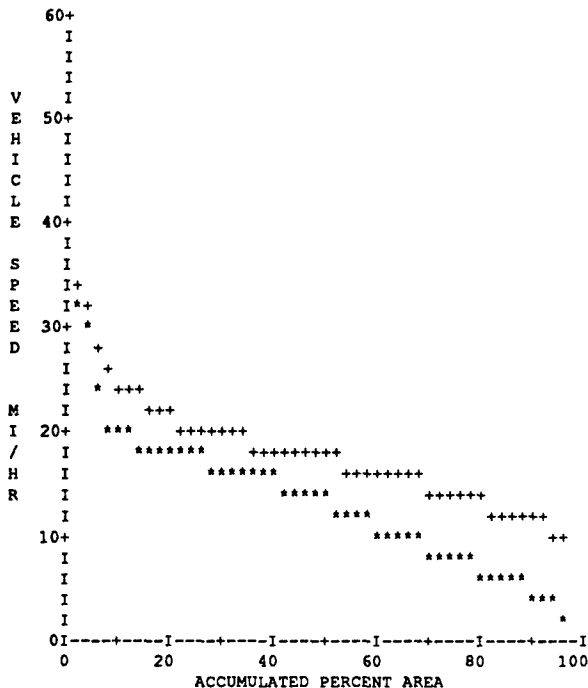
ACCUMULATED PERCENT AREA					
	X=0	2	4	6	8
	16.6	16.6	16.6	16.6	16.6
1X	15.5	15.5	15.5	15.5	15.5
2X	15.5	15.5	15.5	14.4	13.9
3X	13.9	13.9	13.9	13.9	13.8
4X	12.5	12.5	12.5	12.5	12.5
5X	12.5	12.5	12.5	12.5	12.5
6X	12.5	12.5	12.5	12.5	12.5
7X	11.6	11.3	11.3	11.3	11.3
8X	11.3	11.3	11.3	11.3	11.3
9X	11.3	11.1	9.0	5.0	5.0
10X	5.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA					
	X=0	2	4	6	8
	16.6	16.6	16.6	16.6	16.6
1X	16.3	16.2	16.1	16.0	16.0
2X	15.9	15.9	15.8	15.8	15.6
3X	15.3	15.3	15.3	15.2	15.1
4X	14.8	14.7	14.7	14.5	14.5
5X	14.3	14.3	14.3	14.1	14.1
6X	14.0	14.0	13.9	13.9	13.8
7X	13.8	13.7	13.6	13.5	13.5
8X	13.3	13.3	13.3	13.2	13.2
9X	13.1	13.1	13.0	12.9	12.4
10X	11.9				

AVERAGE SPEED

THE VEHICLE IS OSHKOSH PLS 30 MAR THE GEOGRAPHIC AREA IS EFOSS QUAD L5322  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	34.2	32.1	29.0	23.9	21.0
1X	20.5	19.8	18.9	18.5	18.5
2X	17.9	17.5	17.2	17.2	16.6
3X	16.6	16.3	15.9	15.5	15.3
4X	15.1	14.7	14.5	14.0	13.6
5X	13.5	12.9	12.3	12.1	11.3
6X	10.3	10.0	10.0	10.0	9.1
7X	8.5	8.3	7.9	7.4	7.1
8X	6.8	6.5	6.1	5.9	5.5
9X	4.5	3.3	3.3	2.7	0.0
10X	0.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

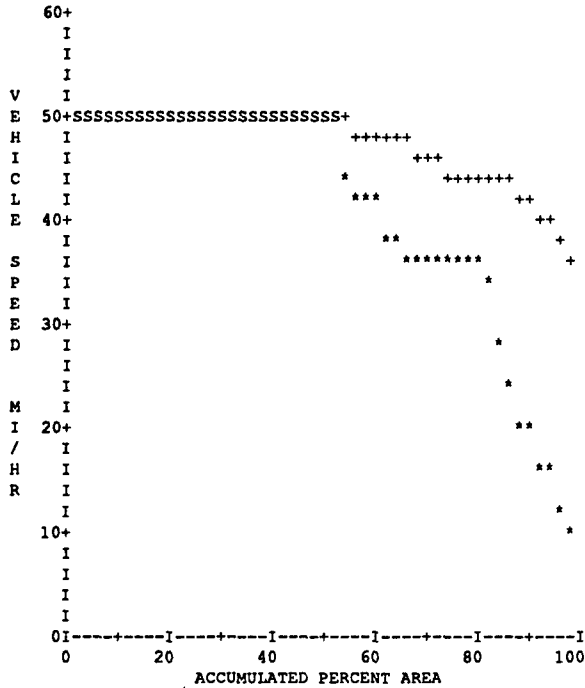
	X=0	2	4	6	8
	34.2	33.0	31.3	28.2	26.6
1X	24.9	23.9	23.1	22.4	21.8
2X	21.4	21.0	20.6	20.2	20.0
3X	19.7	19.5	19.2	19.0	18.7
4X	18.5	18.3	18.1	17.9	17.6
5X	17.4	17.2	17.0	16.7	16.5
6X	16.2	15.9	15.6	15.4	15.1
7X	14.8	14.5	14.2	13.9	13.5
8X	13.2	12.9	12.6	12.2	11.9
9X	11.6	11.0	10.6	10.0	0.0
10X	0.0				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 3.67.

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	571	50.19	16.57	1426	107.91	16.47	1321	107.44	16.49
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00	56	4.46	44.42
3 POWER/RES	838	65.34	11.78	232	19.24	21.58	26	2.17	21.54
4 VISIBILITY	6	0.32	18.72	66	9.36	21.72	267	20.78	22.26
5 MANEUVER	114	10.98	10.60	36	2.56	14.77	36	2.68	13.19
6 MANEUVER	120	6.64	7.27	5	0.18	13.55	1	0.03	3.34
7 OBS IMPACT	101	7.76	10.00	186	11.79	10.00	169	11.24	10.00
8 OBS FORCE	576	45.52	9.25	565	41.94	10.52	524	40.48	10.81
9 DRVR PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
TOTAL	2326	186.73	12.16	2516	192.96	15.52	2400	189.25	16.19
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		123	3.96	
-2 SOIL/SLOPE	176	5.55		0	0.00		0	0.00	
-3 OBS INTRF	0	0.00		1	0.02		0	0.00	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	23	1.56		8	0.86		2	0.63	
-6 OBS FORCE	0	0.00		0	0.00		0	0.00	
TOTAL	199	7.12		9	0.89		125	4.59	

THE VEHICLE IS OSHKOSH PLS 30 MAR THE GEOGRAPHIC AREA IS PRIMARY ROADS RT5520  
 THE SEASON IS WET



ACCUMULATED PERCENT AREA	
X=0	2 4 6 8
49.5	49.5 49.5 49.5 49.5
1X	49.5 49.5 49.5 49.5 49.5
2X	49.5 49.5 49.5 49.5 49.5
3X	49.5 49.5 49.5 49.5 49.5
4X	49.5 49.5 49.5 49.5 49.5
5X	49.5 49.5 44.3 41.1 41.1
6X	41.1 38.9 37.2 36.4 35.6
7X	35.6 35.6 35.6 35.6 35.6
8X	35.6 33.1 28.3 24.0 20.5
9X	20.5 17.0 17.0 12.7 9.2
10X	0.0

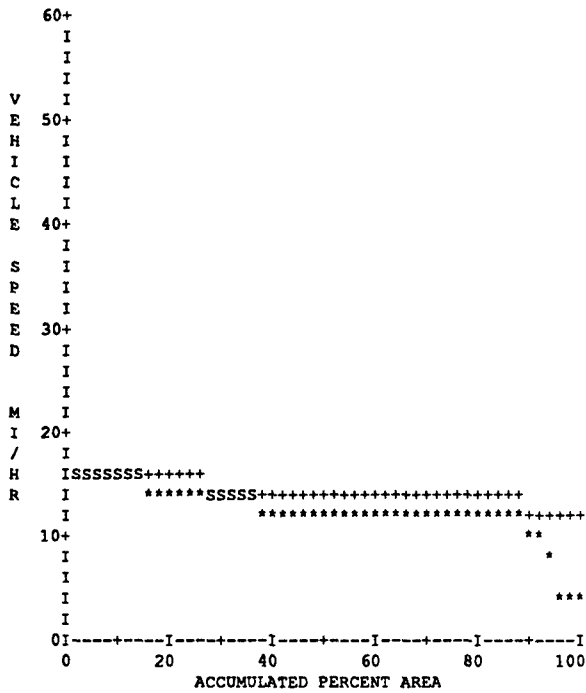
ACCUMULATED PERCENT AREA	
X=0	2 4 6 8
49.5	49.5 49.5 49.5 49.5
1X	49.5 49.5 49.5 49.5 49.5
2X	49.5 49.5 49.5 49.5 49.5
3X	49.5 49.5 49.5 49.5 49.5
4X	49.5 49.5 49.5 49.5 49.5
5X	49.5 49.5 49.3 48.4 48.4
6X	48.3 48.1 47.9 47.2 45.8
7X	45.8 45.8 44.6 44.6 44.6
8X	44.6 44.5 44.0 43.2 42.2
9X	41.5 40.2 39.3 37.5 35.9
10X	0.0

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	19	17.38	30.70	0	0.00	0.00
4 CURVATURE	103	44.82	41.35	122	62.20	43.41
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	0	0.00	0.00	0	0.00	0.00
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	122	62.20	38.38	122	62.20	43.41



THE VEHICLE IS OSHKOSH PLS 30 MAR THE GEOGRAPHIC AREA IS TRAILS RT5520R  
 THE SEASON IS WET



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	16.6	16.6	16.6	16.6	15.5
1X	15.5	15.5	15.5	14.9	14.6
2X	14.5	14.5	14.2	13.9	13.9
3X	13.9	13.9	13.9	13.7	12.6
4X	12.5	12.5	12.5	12.5	12.5
5X	12.5	12.5	12.5	12.5	12.5
6X	12.5	12.5	12.5	12.5	12.3
7X	11.3	11.3	11.3	11.3	11.3
8X	11.3	11.3	11.3	11.3	11.3
9X	10.9	9.4	8.9	5.0	5.0
10X	5.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

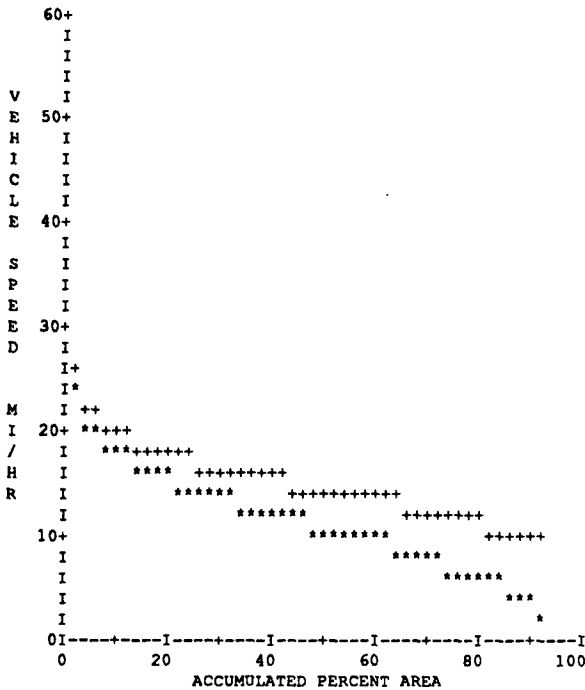
	X=0	2	4	6	8
	16.6	16.6	16.6	16.6	16.3
1X	16.3	16.1	16.0	15.9	15.7
2X	15.5	15.5	15.3	15.3	15.0
3X	15.0	15.0	14.9	14.8	14.8
4X	14.5	14.4	14.4	14.2	14.2
5X	14.0	14.0	13.9	13.9	13.9
6X	13.8	13.8	13.7	13.7	13.7
7X	13.5	13.4	13.4	13.3	13.2
8X	13.2	13.2	13.1	13.1	13.0
9X	13.0	12.9	12.8	12.6	12.3
10X	11.8				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	108	8.74	12.10	0	0.00	0.00
4 CURVATURE	129	3.86	7.04	141	4.13	7.46
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	239	32.52	13.00	335	40.99	13.39
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	476	45.12	12.32	476	45.12	12.85

THE VEHICLE IS OSHKOSH PLS 30 MAR THE GEOGRAPHIC AREA IS EFOSS QUAD L5322  
 THE SEASON IS WET



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	30.8	23.5	20.5	19.1	18.3
1X	17.2	17.1	16.4	15.9	15.5
2X	15.1	14.9	14.5	14.0	13.7
3X	13.3	13.1	12.8	12.6	12.5
4X	12.2	12.0	11.7	11.3	11.0
5X	10.8	10.6	10.4	10.3	10.0
6X	9.9	9.2	8.9	8.3	8.1
7X	7.5	7.1	6.8	6.6	6.3
8X	6.0	5.8	5.4	4.9	3.6
9X	3.3	2.9	0.0	0.0	0.0
10X	0.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

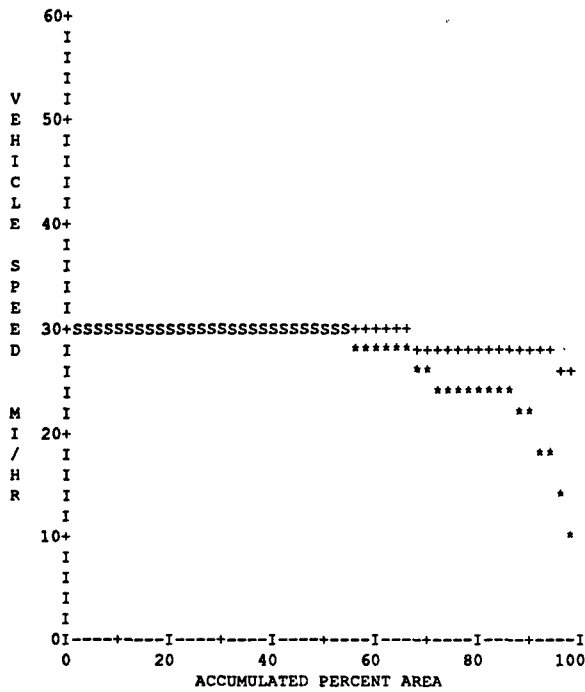
	X=0	2	4	6	8
	30.8	26.5	22.9	21.5	20.6
1X	19.9	19.4	18.9	18.5	18.0
2X	17.7	17.4	17.2	16.9	16.6
3X	16.4	16.1	15.9	15.7	15.4
4X	15.2	15.0	14.9	14.7	14.4
5X	14.3	14.1	13.9	13.8	13.6
6X	13.4	13.2	13.0	12.8	12.6
7X	12.4	12.2	11.9	11.7	11.4
8X	11.2	11.0	10.7	10.4	10.0
9X	9.6	9.2	0.0	0.0	0.0
10X	0.0				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 7.25.

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	225	17.06	16.37	846	57.00	16.12	1145	94.16	16.45
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00	6	0.26	44.42
3 POWER/RES	1000	88.41	9.05	613	53.03	13.78	142	14.32	17.08
4 VISIBILITY	17	1.51	20.33	65	5.29	19.95	362	23.99	17.20
5 MANEUVER	93	9.22	7.23	113	12.27	10.67	46	4.49	14.28
6 MANEUVER	139	10.63	5.92	63	5.66	6.58	10	0.60	16.20
7 OBS IMPACT	58	4.06	10.00	175	10.47	10.00	161	10.94	10.00
8 OBS FORCE	621	48.91	8.07	635	48.93	9.90	517	40.11	10.27
9 DRVR PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>2153</b>	<b>179.80</b>	<b>9.31</b>	<b>2510</b>	<b>192.63</b>	<b>13.04</b>	<b>2389</b>	<b>188.87</b>	<b>14.89</b>
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		129	4.15	
-2 SOIL/SLOPE	344	12.06		1	0.01		1	0.01	
-3 OBS INTRF	0	0.00		1	0.02		0	0.00	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	27	1.96		13	1.19		6	0.81	
-6 OBS FORCE	1	0.03		0	0.00		0	0.00	
<b>TOTAL</b>	<b>372</b>	<b>14.05</b>		<b>15</b>	<b>1.22</b>		<b>136</b>	<b>4.98</b>	

THE VEHICLE IS OSHKOSH PLS 30 MAR THE GEOGRAPHIC AREA IS PRIMARY ROADS RT5520  
 THE SEASON IS SNOW



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	29.5	29.5	29.5	29.5	29.5
1X	29.5	29.5	29.3	29.3	29.3
2X	29.3	29.3	29.3	29.3	29.3
3X	29.3	29.3	29.3	29.3	29.3
4X	29.3	29.3	29.3	29.3	29.3
5X	29.3	29.3	29.3	29.0	28.2
6X	27.6	27.6	27.6	27.2	26.2
7X	25.3	24.6	24.6	24.6	24.6
8X	24.6	24.6	24.6	24.6	21.6
9X	21.6	17.9	17.9	13.4	9.7
10X	0.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

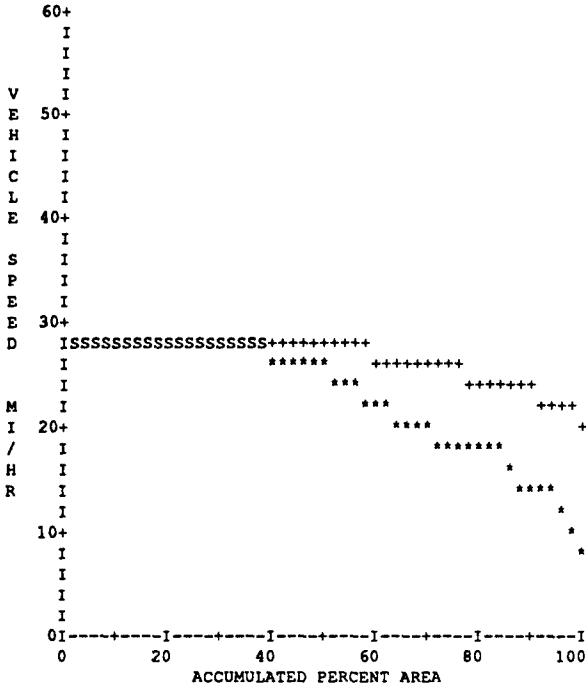
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	29.5	29.5	29.5	29.5	29.5
1X	29.5	29.5	29.3	29.3	29.3
2X	29.3	29.3	29.3	29.3	29.3
3X	29.3	29.3	29.3	29.3	29.3
4X	29.3	29.3	29.3	29.3	29.3
5X	29.3	29.3	29.3	29.3	29.3
6X	29.1	29.1	29.1	29.1	29.0
7X	28.9	28.4	28.4	28.4	28.0
8X	28.0	28.0	28.0	28.0	27.8
9X	27.7	27.4	27.1	26.5	25.9
10X	0.0				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	23	25.12	30.85
3 POWER/RES	50	53.61	26.65	9	26.50	29.26
4 CURVATURE	72	8.60	15.98	90	10.58	17.97
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	0	0.00	0.00	0	0.00	0.00
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>122</b>	<b>62.20</b>	<b>25.18</b>	<b>122</b>	<b>62.20</b>	<b>27.98</b>

THE VEHICLE IS OSHKOSH PLS 30 MAR THE GEOGRAPHIC AREA IS SECONDARY RDS RT5520  
 THE SEASON IS SNOW



ACCUMULATED PERCENT AREA

X=0	2	4	6	8
28.2	28.2	28.2	28.2	28.2
1X	28.2	28.2	28.2	28.2
2X	28.1	28.1	28.1	28.1
3X	28.1	28.1	28.1	27.6
4X	26.9	26.9	26.9	26.8
5X	25.8	24.6	24.6	23.8
6X	22.6	22.0	19.9	19.9
7X	19.3	19.0	18.1	18.1
8X	17.8	17.1	17.1	15.8
9X	13.4	13.4	13.1	11.0
10X	7.1			

SPEED IN UNIT

ACCUMULATED PERCENT AREA

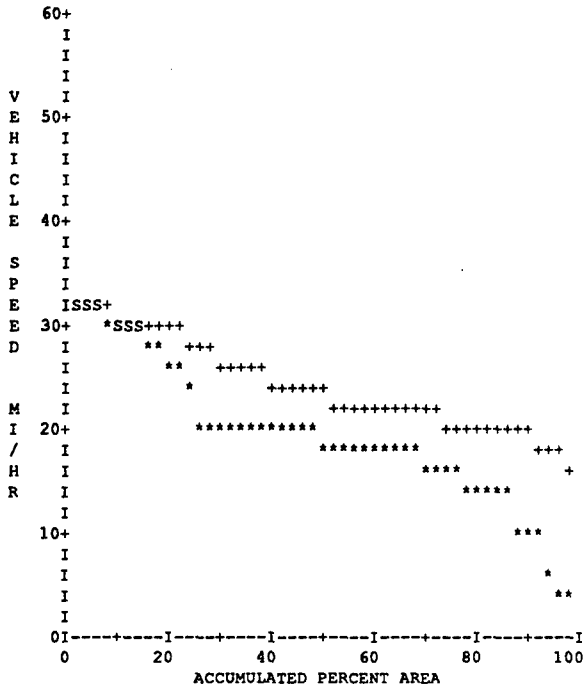
X=0	2	4	6	8
28.2	28.2	28.2	28.2	28.2
1X	28.2	28.2	28.2	28.2
2X	28.2	28.2	28.2	28.2
3X	28.2	28.2	28.2	28.1
4X	28.0	27.9	27.9	27.9
5X	27.8	27.6	27.4	27.2
6X	26.9	26.9	26.4	26.0
7X	25.8	25.6	25.0	24.4
8X	24.4	24.3	24.0	23.8
9X	23.2	22.8	22.4	21.5
10X	20.4			

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	67	90.98	30.85
3 POWER/RES	201	159.82	21.36	11	54.58	28.78
4 CURVATURE	118	29.68	15.37	241	43.95	17.33
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	0	0.00	0.00	0	0.00	0.00
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	319	189.50	20.42	319	189.50	27.12

THE VEHICLE IS OSHKOSH PLS 30 MAR THE GEOGRAPHIC AREA IS TRAILS RT5520R  
 THE SEASON IS SNOW



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	31.2	31.2	31.2	31.2	31.0
1X	30.4	29.7	29.7	28.9	27.9
2X	25.9	25.3	23.4	20.5	20.5
3X	20.5	20.5	20.5	20.5	20.5
4X	20.2	20.2	20.2	20.0	20.0
5X	18.6	17.2	17.2	17.2	17.2
6X	17.2	17.2	17.1	17.1	17.1
7X	16.4	16.4	16.4	16.1	14.8
8X	14.6	13.4	13.4	13.2	10.4
9X	10.4	10.4	6.7	3.7	3.7
10X	0.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

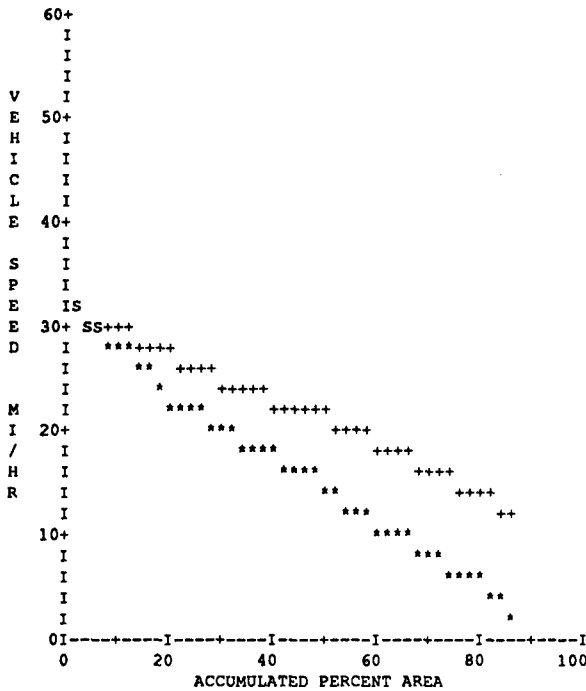
	X=0	2	4	6	8
	31.2	31.2	31.2	31.2	31.1
1X	30.9	30.8	30.6	30.5	30.1
2X	29.5	29.3	28.6	27.4	27.3
3X	26.2	26.1	25.5	25.4	25.1
4X	24.5	24.4	24.2	23.9	23.7
5X	23.6	23.0	23.0	22.5	22.3
6X	22.2	21.9	21.7	21.6	21.5
7X	21.0	21.0	20.9	20.8	20.6
8X	20.3	20.1	19.9	19.7	19.4
9X	19.0	18.7	18.2	17.5	16.2
10X	0.0				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	158	25.10	18.34	2	0.60	34.06
4 CURVATURE	272	8.60	10.18	386	24.52	25.75
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	46	11.42	18.84	88	20.00	19.23
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>476</b>	<b>45.12</b>	<b>16.91</b>	<b>476</b>	<b>45.12</b>	<b>22.97</b>

THE VEHICLE IS OSHKOSH PLS 30 MAR THE GEOGRAPHIC AREA IS EFOSS QUAD L5322  
 THE SEASON IS SNOW



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	31.2	31.1	30.4	29.2	28.6
1X	27.8	27.0	25.8	25.0	23.8
2X	22.8	22.5	22.0	21.4	20.9
3X	20.2	19.5	18.9	18.4	17.8
4X	17.4	17.0	16.5	15.9	15.2
5X	14.3	13.6	12.9	12.1	11.5
6X	10.3	10.0	10.0	9.7	8.8
7X	8.3	8.0	6.9	6.1	5.9
8X	5.4	3.6	3.3	2.7	0.0
9X	0.0	0.0	0.0	0.0	0.0
10X	0.0				

SPEED IN UNIT

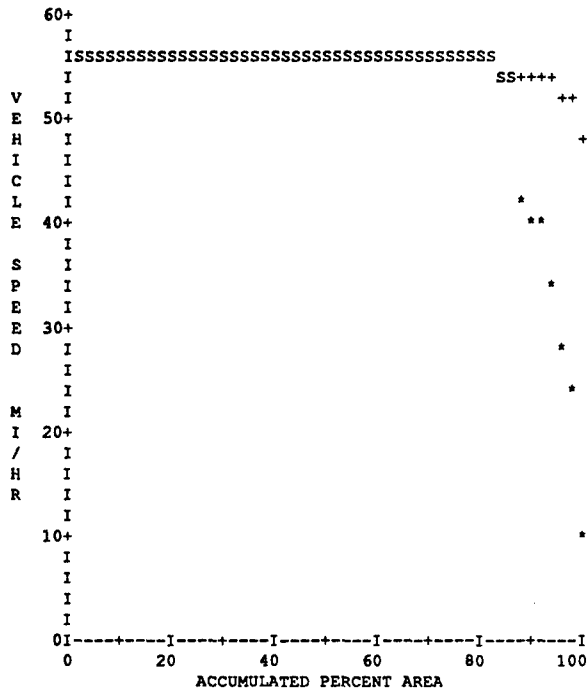
ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	31.2	31.1	30.9	30.4	30.0
1X	29.5	29.2	28.7	28.2	27.7
2X	27.1	26.7	26.2	25.8	25.4
3X	25.0	24.6	24.1	23.8	23.4
4X	23.0	22.6	22.3	21.9	21.5
5X	21.1	20.7	20.3	19.8	19.3
6X	18.8	18.3	17.9	17.4	17.0
7X	16.4	16.0	15.5	15.0	14.4
8X	13.9	13.1	12.3	11.5	0.0
9X	0.0	0.0	0.0	0.0	0.0
10X	0.0				

THE NOGO PERCENT OF AREA IS-14.07.

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	15	0.97	21.28	142	7.84	20.74	87	6.96	23.80
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00	155	14.66	44.42
3 POWER/RES	905	85.50	15.54	937	77.84	23.38	76	6.15	24.91
4 VISIBILITY	30	1.54	21.32	330	28.83	21.51	1004	84.82	23.96
5 MANEUVER	113	12.12	11.13	98	7.24	21.89	39	6.20	21.93
6 MANEUVER	101	7.38	9.18	14	0.61	19.23	1	0.03	3.34
7 OBS IMPACT	88	6.98	10.00	185	11.70	10.00	142	10.10	10.00
8 OBS FORCE	625	52.10	11.30	805	58.59	13.98	582	47.61	13.71
9 DRVR PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
TOTAL	1877	166.58	13.47	2511	192.63	19.25	2086	176.53	22.05
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		436	16.58	
-2 SOIL/SLOPE	622	25.41		0	0.00		0	0.00	
-3 OBS INTRF	0	0.00		1	0.02		0	0.00	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	23	1.64		13	1.19		3	0.74	
-6 OBS FORCE	3	0.22		0	0.00		0	0.00	
TOTAL	648	27.27		14	1.21		439	17.32	

THE VEHICLE IS OSHKOSH PLS 30 MAR THE GEOGRAPHIC AREA IS MIDEAST PRIMARY ROAD  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	55.0	55.0	55.0	55.0	55.0
1X	55.0	55.0	55.0	55.0	55.0
2X	55.0	55.0	55.0	55.0	55.0
3X	55.0	55.0	55.0	55.0	55.0
4X	55.0	55.0	55.0	55.0	55.0
5X	55.0	55.0	55.0	55.0	55.0
6X	55.0	55.0	55.0	55.0	55.0
7X	55.0	55.0	55.0	55.0	55.0
8X	55.0	55.0	55.0	55.0	42.9
9X	40.0	40.0	34.0	29.0	24.0
10X	10.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

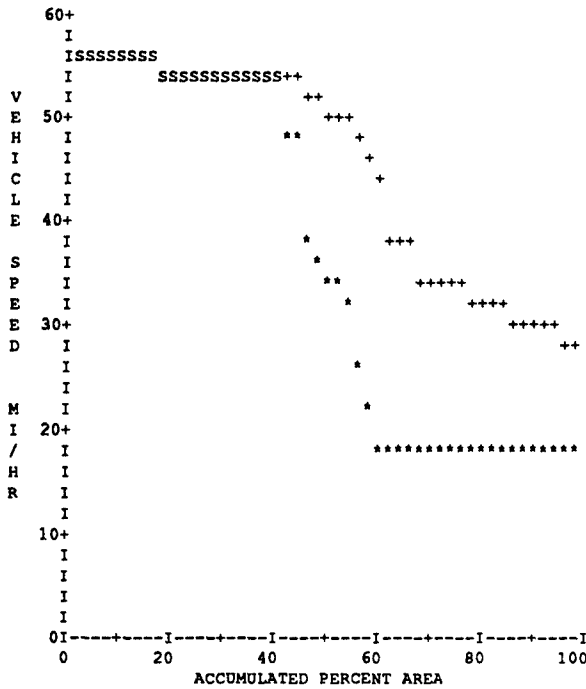
	X=0	2	4	6	8
	55.0	55.0	55.0	55.0	55.0
1X	55.0	55.0	55.0	55.0	55.0
2X	55.0	55.0	55.0	55.0	55.0
3X	55.0	55.0	55.0	55.0	55.0
4X	55.0	55.0	55.0	55.0	55.0
5X	55.0	55.0	55.0	55.0	55.0
6X	55.0	55.0	55.0	55.0	55.0
7X	55.0	55.0	55.0	55.0	55.0
8X	55.0	55.0	55.0	55.0	54.7
9X	54.4	54.0	53.2	52.2	51.4
10X	48.1				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	4	0.55	42.16	0	0.00	0.00
4 CURVATURE	36	2.42	33.27	38	2.55	34.29
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	9	14.46	55.00	11	14.88	55.00
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	49	17.43	51.58	49	17.43	51.97

THE VEHICLE IS OSHKOSH PLS 30 MAR THE GEOGRAPHIC AREA IS MIDEAST SECOND ROADS  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	55.0	55.0	55.0	55.0	55.0
1X	55.0	55.0	55.0	55.0	53.0
2X	53.0	53.0	53.0	53.0	53.0
3X	53.0	53.0	53.0	53.0	53.0
4X	53.0	48.0	47.3	38.7	36.0
5X	34.4	33.5	32.0	26.0	23.0
6X	18.5	18.5	18.5	18.5	18.5
7X	18.5	18.5	18.5	18.5	18.5
8X	18.5	18.5	18.5	18.5	18.5
9X	18.5	18.5	18.5	18.2	18.0
10X	0.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

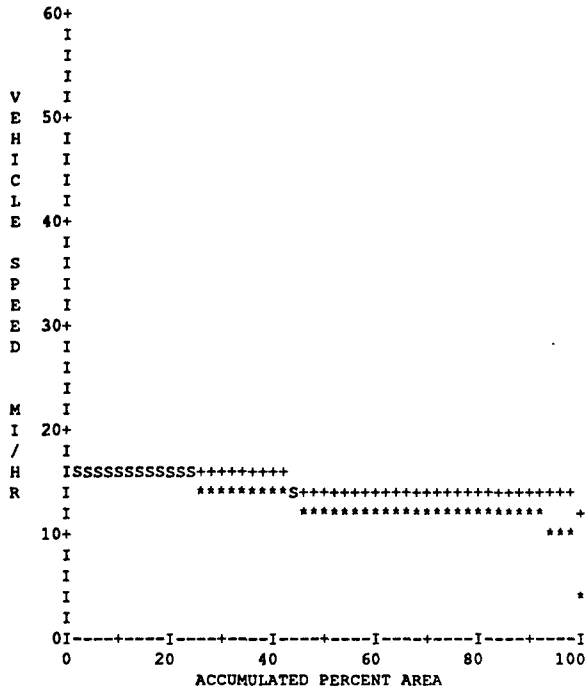
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	55.0	55.0	55.0	55.0	55.0
1X	55.0	55.0	55.0	55.0	53.8
2X	53.8	53.8	53.8	53.8	53.8
3X	53.8	53.8	53.8	53.8	53.8
4X	53.8	53.8	53.3	52.9	51.6
5X	50.2	50.0	49.0	47.3	46.1
6X	43.2	37.5	37.5	37.5	34.9
7X	34.9	34.9	34.7	34.1	32.3
8X	32.3	32.1	31.6	30.8	30.6
9X	29.5	29.5	29.3	28.8	28.6
10X	0.0				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	52	28.41	41.21	0	0.00	0.00
4 CURVATURE	50	8.99	30.70	80	10.30	31.40
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	56	42.47	30.52	78	69.57	39.61
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	158	79.87	34.35	158	79.87	38.55

THE VEHICLE IS OSHKOSH PLS 30 MAR THE GEOGRAPHIC AREA IS MIDEAST TRAILS  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	16.6	16.6	16.6	16.6	16.6
1X	16.6	15.5	15.5	15.5	15.5
2X	15.5	15.5	15.5	14.7	13.9
3X	13.9	13.9	13.9	13.9	13.9
4X	13.9	13.9	13.9	12.8	12.5
5X	12.5	12.5	12.5	12.5	12.5
6X	12.5	12.5	12.5	12.5	12.5
7X	12.5	12.5	12.5	12.5	11.7
8X	11.5	11.4	11.3	11.3	11.3
9X	11.3	11.3	10.9	10.5	9.8
10X	3.7				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

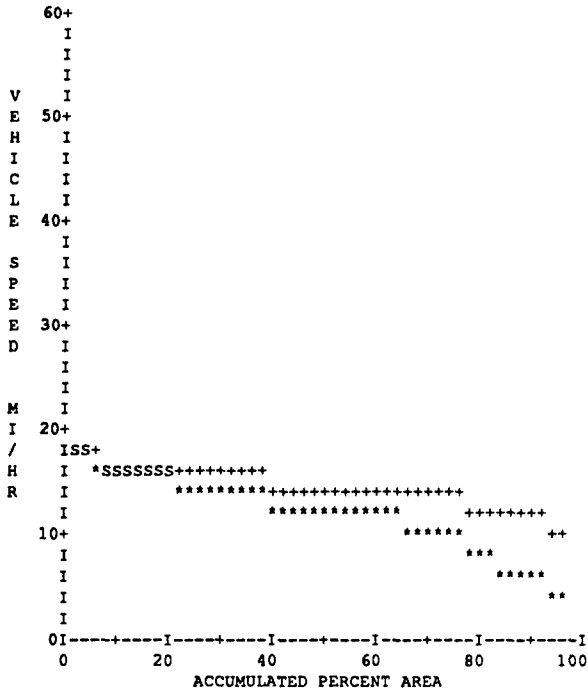
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	16.6	16.6	16.6	16.6	16.6
1X	16.6	16.3	16.3	16.0	16.0
2X	16.0	16.0	15.9	15.8	15.4
3X	15.4	15.4	15.2	15.2	15.2
4X	15.1	15.0	15.0	14.9	14.6
5X	14.6	14.5	14.4	14.4	14.3
6X	14.1	14.1	14.1	14.1	14.0
7X	14.0	13.9	13.9	13.8	13.8
8X	13.7	13.7	13.5	13.5	13.4
9X	13.4	13.4	13.3	13.2	13.1
10X	12.8				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	91	6.15	10.57	0	0.00	0.00
4 CURVATURE	64	1.34	8.09	69	1.50	8.68
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	240	33.50	13.62	326	39.50	13.67
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>395</b>	<b>41.00</b>	<b>12.98</b>	<b>395</b>	<b>41.00</b>	<b>13.49</b>

THE VEHICLE IS OSHKOSH PLS 30 MAR THE GEOGRAPHIC AREA IS TV3254IV  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	20.5	17.2	17.2	16.6	16.6
1X	16.6	16.6	16.2	15.5	15.1
2X	15.1	14.7	14.7	13.9	13.9
3X	13.9	13.5	13.5	13.5	13.1
4X	12.9	12.7	12.5	12.5	12.5
5X	12.5	12.5	12.3	12.3	11.9
6X	11.8	11.3	11.1	10.8	10.3
7X	10.3	10.0	10.0	9.4	8.4
8X	7.9	7.4	7.0	6.4	6.2
9X	5.6	5.2	4.8	3.4	0.0
10X	0.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

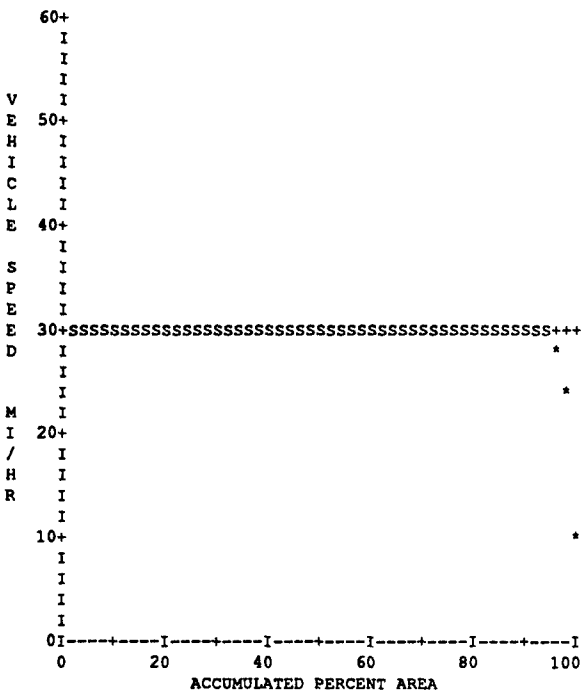
	X=0	2	4	6	8
	20.5	17.7	17.4	17.2	17.0
1X	17.0	16.9	16.8	16.7	16.5
2X	16.4	16.2	16.1	15.8	15.7
3X	15.6	15.5	15.3	15.2	15.1
4X	14.9	14.8	14.7	14.4	14.4
5X	14.4	14.3	14.2	14.1	14.1
6X	14.0	13.9	13.8	13.7	13.6
7X	13.4	13.3	13.2	13.1	12.9
8X	12.7	12.5	12.3	12.1	11.8
9X	11.6	11.3	10.9	10.6	0.0
10X	0.0				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 3.12.

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	791	57.01	13.90	945	65.93	13.96	946	65.85	13.96
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	145	8.26	10.80	5	0.08	10.79	3	0.05	12.21
4 VISIBILITY	1	0.37	16.10	7	0.51	15.00	8	0.62	13.97
5 MANEUVER	9	0.21	14.14	6	0.19	14.62	6	0.19	14.62
6 MANEUVER	10	0.64	7.32	0	0.00	0.00	0	0.00	0.00
7 OBS IMPACT	58	4.02	10.00	68	4.66	10.00	68	4.66	10.00
8 OBS FORCE	462	23.29	6.89	447	22.48	7.06	447	22.48	7.15
9 DRVR PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>1476</b>	<b>93.80</b>	<b>11.68</b>	<b>1478</b>	<b>93.84</b>	<b>12.12</b>	<b>1478</b>	<b>93.84</b>	<b>12.13</b>
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		0	0.00	
-2 SOIL/SLOPE	0	0.00		0	0.00		0	0.00	
-3 OBS INTRF	105	2.94		105	2.94		105	2.94	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	2	0.03		0	0.00		0	0.00	
-6 OBS FORCE	0	0.00		0	0.00		0	0.00	
<b>TOTAL</b>	<b>107</b>	<b>2.98</b>		<b>105</b>	<b>2.94</b>		<b>105</b>	<b>2.94</b>	

THE VEHICLE IS OSHKOSH PLS 30 MAR THE GEOGRAPHIC AREA IS MIDEAST PRIMARY ROAD  
 THE SEASON IS DRY SAND



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	30.8	30.8	30.8	30.8	30.8
1X	30.8	30.8	30.8	30.8	30.8
2X	30.8	30.8	30.8	30.8	30.8
3X	30.8	30.8	30.8	30.8	30.8
4X	30.8	30.8	30.8	30.8	30.8
5X	30.8	30.8	30.8	30.8	30.8
6X	30.8	30.8	30.8	30.8	30.8
7X	30.8	30.8	30.8	30.8	30.8
8X	30.8	30.8	30.8	30.8	30.8
9X	30.8	30.8	30.8	29.0	24.0
10X	10.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

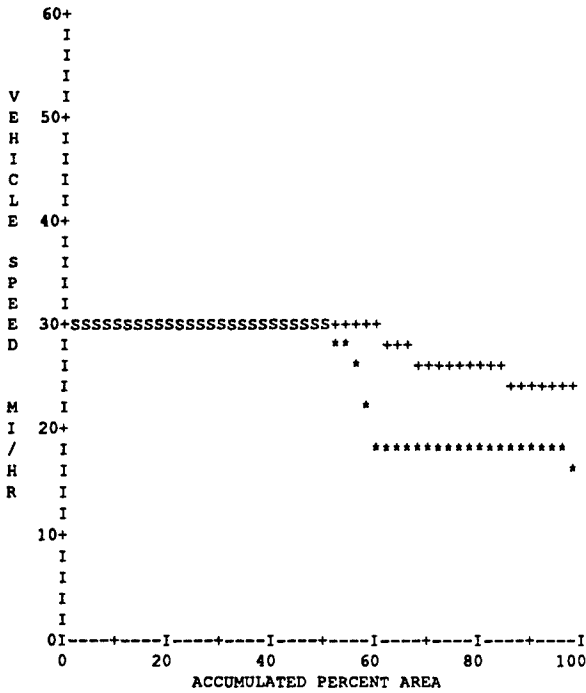
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	30.8	30.8	30.8	30.8	30.8
1X	30.8	30.8	30.8	30.8	30.8
2X	30.8	30.8	30.8	30.8	30.8
3X	30.8	30.8	30.8	30.8	30.8
4X	30.8	30.8	30.8	30.8	30.8
5X	30.8	30.8	30.8	30.8	30.8
6X	30.8	30.8	30.8	30.8	30.8
7X	30.8	30.8	30.8	30.8	30.8
8X	30.8	30.8	30.8	30.8	30.8
9X	30.8	30.8	30.8	30.8	30.7
10X	29.8				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP_SLOPE			DOWN_SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	27	16.32	30.85	27	16.32	30.85
3 POWER/RES	0	0.00	0.00	0	0.00	0.00
4 CURVATURE	22	1.12	22.79	22	1.12	22.79
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	0	0.00	0.00	0	0.00	0.00
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TTP	0	0.00	0.00	0	0.00	0.00
TOTAL	49	17.43	30.33	49	17.43	30.33

THE VEHICLE IS OSHKOSH PLS 30 MAR THE GEOGRAPHIC AREA IS MIDEAST SECOND ROADS  
 THE SEASON IS DRY SAND



ACCUMULATED PERCENT AREA

X=	0	2	4	6	8
0	30.8	30.8	30.8	30.8	30.8
1X	30.8	30.8	30.8	30.8	30.8
2X	30.8	30.8	30.8	30.8	30.8
3X	30.8	30.8	30.8	30.8	30.8
4X	30.8	30.8	30.8	30.8	30.8
5X	30.3	27.5	27.5	26.0	23.0
6X	18.5	18.5	18.5	18.5	18.5
7X	18.5	18.5	18.5	18.5	18.5
8X	18.5	18.5	18.5	18.5	18.5
9X	18.5	18.5	18.5	18.0	16.1
10X	0.0				

ACCUMULATED PERCENT AREA

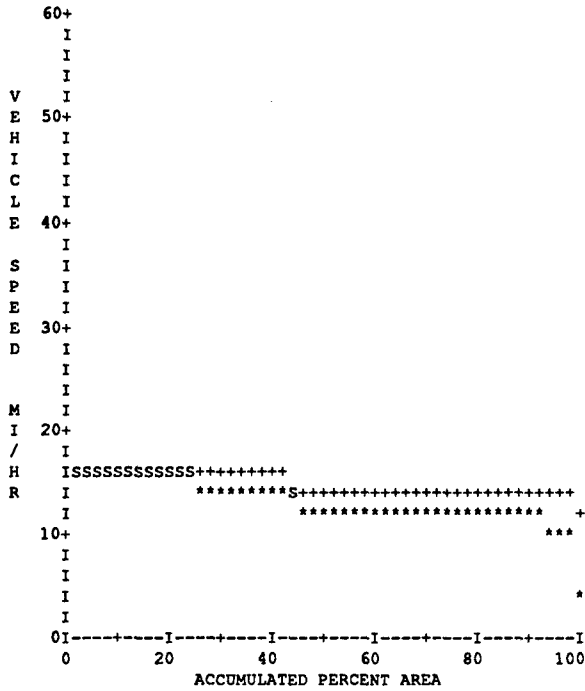
X=	0	2	4	6	8
0	30.8	30.8	30.8	30.8	30.8
1X	30.8	30.8	30.8	30.8	30.8
2X	30.8	30.8	30.8	30.8	30.8
3X	30.8	30.8	30.8	30.8	30.8
4X	30.8	30.8	30.8	30.8	30.8
5X	30.8	30.6	30.6	30.4	30.2
6X	29.2	27.4	27.4	27.4	26.5
7X	26.5	26.5	26.4	26.2	25.5
8X	25.5	25.4	25.2	24.9	24.8
9X	24.3	24.3	24.2	24.1	23.8
10X	0.0				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	15	38.48	30.85	45	45.78	30.85
3 POWER/RES	49	8.59	19.29	0	0.00	0.00
4 CURVATURE	42	4.32	21.45	52	4.77	21.63
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	52	28.48	18.50	61	29.32	18.50
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	158	79.87	24.70	158	79.87	25.77

THE VEHICLE IS OSHKOSH PLS 30 MAR THE GEOGRAPHIC AREA IS MIDEAST TRAILS  
 THE SEASON IS DRY SAND



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	16.6	16.6	16.6	16.6	16.6
1X	16.6	15.5	15.5	15.5	15.5
2X	15.5	15.5	15.5	14.7	13.9
3X	13.9	13.9	13.9	13.9	13.9
4X	13.9	13.9	13.9	12.8	12.5
5X	12.5	12.5	12.5	12.5	12.5
6X	12.5	12.5	12.5	12.5	12.5
7X	12.5	12.5	12.5	12.5	11.7
8X	11.5	11.5	11.3	11.3	11.3
9X	11.3	11.3	10.9	10.5	9.8
10X	3.9				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

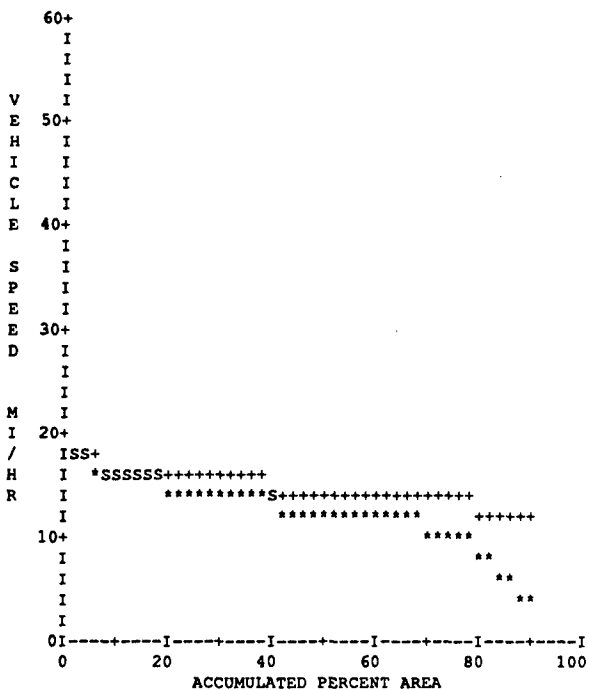
	X=0	2	4	6	8
	16.6	16.6	16.6	16.6	16.6
1X	16.6	16.3	16.3	16.0	16.0
2X	16.0	16.0	15.9	15.8	15.4
3X	15.4	15.4	15.2	15.2	15.2
4X	15.1	15.0	15.0	14.9	14.6
5X	14.6	14.5	14.4	14.4	14.3
6X	14.1	14.1	14.1	14.1	14.0
7X	14.0	13.9	13.9	13.8	13.8
8X	13.7	13.7	13.5	13.5	13.4
9X	13.4	13.4	13.3	13.2	13.1
10X	12.8				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	91	6.15	10.57	0	0.00	0.00
4 CURVATURE	64	1.34	8.11	68	1.45	8.54
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	240	33.50	13.62	327	39.55	13.67
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	395	41.00	12.98	395	41.00	13.49

THE VEHICLE IS OSHKOSH PLS 30 MAR THE GEOGRAPHIC AREA IS MID-EAST SAND OCT 83  
 THE SEASON IS DRY SAND



ACCUMULATED PERCENT AREA

X=0	2	4	6	8
20.5	17.2	17.2	16.6	16.6
1X	16.6	16.6	16.1	15.5
2X	14.9	14.7	14.6	14.1
3X	13.9	13.7	13.5	13.5
4X	13.2	12.9	12.7	12.5
5X	12.5	12.5	12.5	12.3
6X	12.3	11.9	11.5	11.3
7X	10.7	10.0	10.0	9.4
8X	8.2	7.9	6.4	5.6
9X	4.3	0.0	0.0	0.0
10X	0.0			

SPEED IN UNIT

ACCUMULATED PERCENT AREA

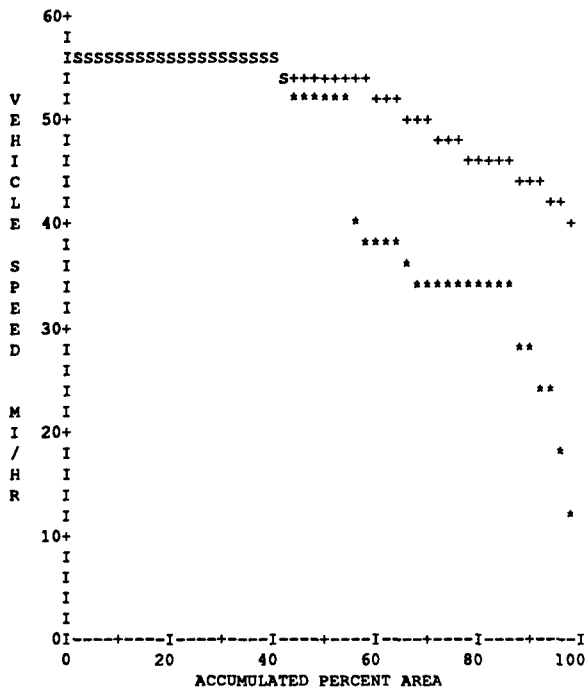
X=0	2	4	6	8
20.5	17.3	17.2	17.2	16.9
1X	16.9	16.8	16.7	16.6
2X	16.3	16.1	16.0	15.9
3X	15.6	15.4	15.3	15.2
4X	15.0	14.9	14.8	14.6
5X	14.3	14.3	14.3	14.2
6X	14.1	14.0	13.9	13.8
7X	13.6	13.5	13.4	13.2
8X	12.9	12.7	12.5	11.5
9X	11.4	0.0	0.0	0.0
10X	0.0			

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS-10.55.

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	640	51.92	13.94	1293	79.28	13.97	966	64.60	13.88
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	531	19.57	9.47	0	0.00	0.00	0	0.00	0.00
4 VISIBILITY	13	0.92	15.32	58	2.79	14.61	334	15.70	9.71
5 MANEUVER	4	0.05	9.49	4	0.05	9.49	4	0.05	9.49
6 MANEUVER	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
7 OBS IMPACT	24	2.61	10.00	24	2.61	10.00	24	2.61	10.00
8 OBS FORCE	181	11.51	7.36	181	11.51	7.52	181	11.51	7.57
9 DRVR PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>1393</b>	<b>86.57</b>	<b>11.95</b>	<b>1560</b>	<b>96.24</b>	<b>13.10</b>	<b>1509</b>	<b>94.47</b>	<b>12.31</b>
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		51	1.77	
-2 SOIL/SLOPE	167	9.67		0	0.00		0	0.00	
-3 OBS INTRF	23	0.54		23	0.54		23	0.54	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	0	0.00		0	0.00		0	0.00	
-6 OBS FORCE	0	0.00		0	0.00		0	0.00	
<b>TOTAL</b>	<b>190</b>	<b>10.21</b>		<b>23</b>	<b>0.54</b>		<b>74</b>	<b>2.31</b>	

THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER THE GEOGRAPHIC AREA IS PRIMARY ROADS RT5520  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA	
X=	0 2 4 6 8
55.0	55.0 55.0 55.0 55.0 55.0
1X	55.0 55.0 55.0 55.0 55.0
2X	55.0 55.0 55.0 55.0 55.0
3X	55.0 55.0 55.0 55.0 55.0
4X	55.0 55.0 52.9 52.9 52.9
5X	52.9 52.9 51.5 40.0 38.8
6X	37.6 37.6 37.6 36.3 35.0
7X	34.0 33.6 33.6 33.6 33.6
8X	33.6 33.6 33.6 33.2 29.0
9X	28.4 24.0 23.5 18.0 13.0
10X	0.0

SPEED IN UNIT	
ACCUMULATED PERCENT AREA	
X=	0 2 4 6 8
55.0	55.0 55.0 55.0 55.0 55.0
1X	55.0 55.0 55.0 55.0 55.0
2X	55.0 55.0 55.0 55.0 55.0
3X	55.0 55.0 55.0 55.0 55.0
4X	55.0 55.0 54.8 54.5 54.5
5X	54.5 54.5 54.5 54.1 53.0
6X	51.3 51.3 51.0 50.7 49.9
7X	49.4 47.3 47.3 47.3 45.6
8X	45.6 45.6 45.6 45.4 44.9
9X	44.4 43.5 42.9 41.6 40.3
10X	0.0

AVERAGE SPEED

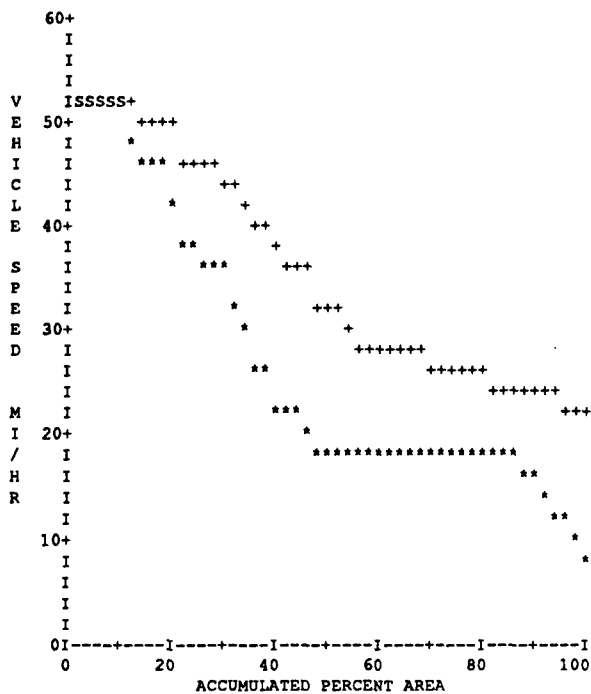
THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED

GO TERRAIN UNITS

1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	48	27.48	33.03	0	0.00	0.00
4 CURVATURE	69	9.78	25.80	104	13.18	29.34
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	5	24.94	55.00	18	49.03	55.00
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	122	62.20	40.70	122	62.20	49.56

THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER THE GEOGRAPHIC AREA IS SECONDARY RDS RT5520  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA					
X=0	2	4	6	8	
52.4	52.4	52.4	52.4	52.4	
1X	52.4	48.0	45.8	45.8	45.8
2X	42.6	37.7	37.7	36.5	36.0
3X	35.2	32.0	30.1	26.4	26.0
4X	23.0	22.1	21.7	20.9	18.5
5X	18.5	18.5	18.5	18.5	18.5
6X	18.5	18.5	18.5	18.5	18.5
7X	18.5	18.5	18.5	18.5	18.5
8X	18.0	17.9	17.9	17.1	15.5
9X	15.5	13.7	13.0	13.0	10.0
10X	7.8				
SPEED IN UNIT					
ACCUMULATED PERCENT AREA					
X=0	2	4	6	8	
52.4	52.4	52.4	52.4	52.4	
1X	52.4	52.4	49.5	49.5	49.5
2X	49.4	46.7	46.7	45.3	45.2
3X	44.7	43.7	42.7	40.4	39.9
4X	38.8	36.3	36.2	35.2	32.8
5X	32.7	31.9	30.6	28.3	28.3
6X	28.3	28.3	28.0	27.2	27.2
7X	26.8	26.2	26.2	25.8	25.6
8X	25.3	24.8	24.8	24.6	24.0
9X	24.0	23.7	23.3	22.9	22.5
10X	21.6				
AVERAGE SPEED					

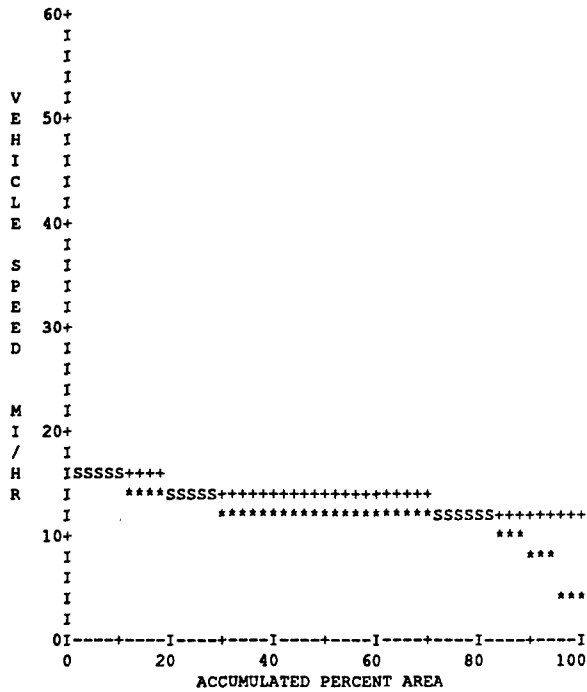
THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP_SLOPE			DOWN_SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED

GO TERRAIN UNITS

1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	190	110.74	27.87	4	21.92	52.38
4 CURVATURE	81	20.01	18.22	185	33.14	23.25
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	48	58.75	18.50	130	134.44	33.50
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>319</b>	<b>189.50</b>	<b>23.94</b>	<b>319</b>	<b>189.50</b>	<b>33.89</b>

THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER THE GEOGRAPHIC AREA IS TRAILS RT5520R  
 THE SEASON IS DRY

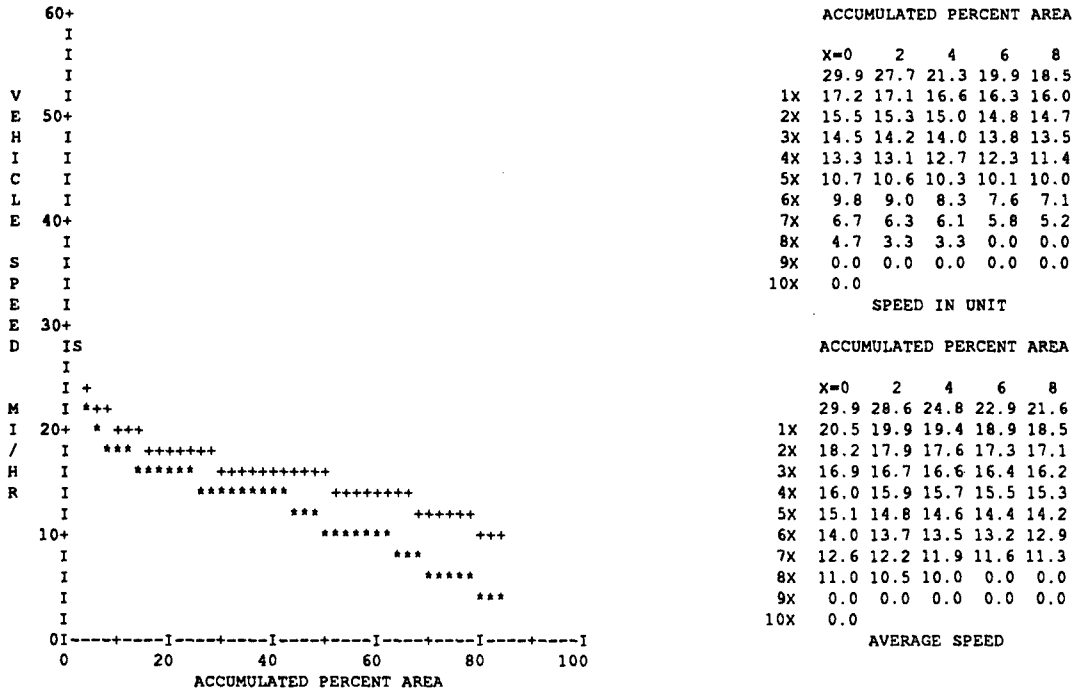


ACCUMULATED PERCENT AREA					
X=0	2	4	6	8	
16.6	16.6	16.6	15.5	15.5	
1X	15.5	14.7	14.0	14.0	13.9
2X	13.9	13.9	13.9	13.7	13.5
3X	12.5	12.5	12.5	12.5	12.5
4X	12.5	12.5	12.5	12.5	12.5
5X	12.5	12.5	12.5	12.4	12.4
6X	11.4	11.4	11.4	11.4	11.3
7X	11.3	11.3	11.3	11.3	11.3
8X	11.3	11.3	10.6	10.5	9.4
9X	9.0	8.4	8.0	5.0	5.0
10X	5.0				
SPEED IN UNIT					
ACCUMULATED PERCENT AREA					
X=0	2	4	6	8	
16.6	16.6	16.6	16.1	16.1	
1X	15.9	15.8	15.3	15.3	15.1
2X	14.8	14.8	14.8	14.7	14.6
3X	14.4	14.4	14.1	14.0	14.0
4X	13.8	13.8	13.8	13.7	13.7
5X	13.6	13.6	13.5	13.5	13.5
6X	13.4	13.2	13.2	13.2	13.1
7X	13.0	13.0	12.9	12.9	12.8
8X	12.8	12.8	12.7	12.6	12.6
9X	12.5	12.3	12.2	12.1	11.7
10X	11.3				
AVERAGE SPEED					

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED
GO TERRAIN UNITS						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	178	16.16	10.31	0	0.00	0.00
4 CURVATURE	117	3.65	6.76	141	4.13	7.50
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	181	25.31	12.93	335	40.99	13.39
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	476	45.12	11.49	476	45.12	12.85

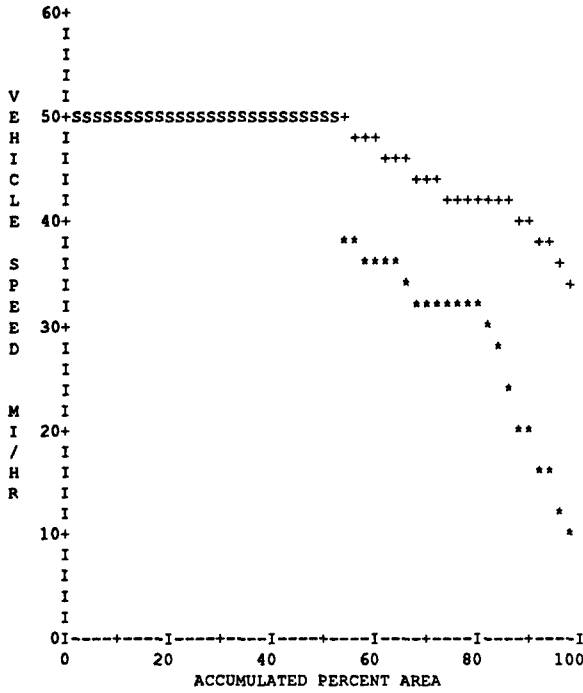
THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER THE GEOGRAPHIC AREA IS EFOSS OQAD L5322  
 THE SEASON IS DRY



THE NOGO PERCENT OF AREA IS-15.94.

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	153	11.15	16.31	1198	84.84	16.44	1244	102.05	17.40
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	1001	93.33	10.16	346	35.12	16.99	32	3.78	27.44
4 VISIBILITY	0	0.00	0.00	27	5.11	19.72	272	20.93	23.87
5 MANEUVER	94	9.41	7.52	79	6.36	16.78	37	2.68	13.62
6 MANEUVER	99	5.96	5.52	9	0.78	18.77	0	0.00	0.00
7 OBS IMPACT	66	5.23	10.00	167	10.42	10.00	152	9.83	10.00
8 OBS FORCE	492	37.95	8.96	559	38.71	10.14	535	38.73	10.73
9 DRVR PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>1905</b>	<b>163.01</b>	<b>9.97</b>	<b>2385</b>	<b>181.31</b>	<b>14.95</b>	<b>2272</b>	<b>177.98</b>	<b>16.46</b>
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		123	3.96	
-2 SOIL/SLOPE	473	18.10		0	0.00		0	0.00	
-3 OBS INTRF	122	11.10		136	11.81		128	11.27	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	19	1.43		4	0.73		2	0.63	
-6 OBS FORCE	6	0.20		0	0.00		0	0.00	
<b>TOTAL</b>	<b>620</b>	<b>30.84</b>		<b>140</b>	<b>12.53</b>		<b>253</b>	<b>15.87</b>	

THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER THE GEOGRAPHIC AREA IS PRIMARY ROADS RT5520  
 THE SEASON IS WET



ACCUMULATED PERCENT AREA					
X=0	2	4	6	8	
49.5	49.5	49.5	49.5	49.5	
1X	49.5	49.5	49.5	49.5	49.5
2X	49.5	49.5	49.5	49.5	49.5
3X	49.5	49.5	49.5	49.5	49.5
4X	49.5	49.5	49.5	49.5	49.5
5X	49.5	49.5	38.9	37.3	36.2
6X	36.2	36.2	35.0	33.8	32.5
7X	32.5	32.5	32.5	32.5	32.5
8X	32.5	30.9	28.3	24.0	20.5
9X	20.5	17.0	17.0	12.7	9.2
10X	0.0				
SPEED IN UNIT					
ACCUMULATED PERCENT AREA					
X=0	2	4	6	8	
49.5	49.5	49.5	49.5	49.5	
1X	49.5	49.5	49.5	49.5	49.5
2X	49.5	49.5	49.5	49.5	49.5
3X	49.5	49.5	49.5	49.5	49.5
4X	49.5	49.5	49.5	49.5	49.5
5X	49.5	49.5	49.2	48.4	47.1
6X	47.1	46.9	46.6	46.0	44.2
7X	44.2	44.2	42.7	42.7	42.7
8X	42.7	42.7	42.2	41.5	40.6
9X	40.0	38.8	37.9	36.4	34.8
10X	0.0				
AVERAGE SPEED					

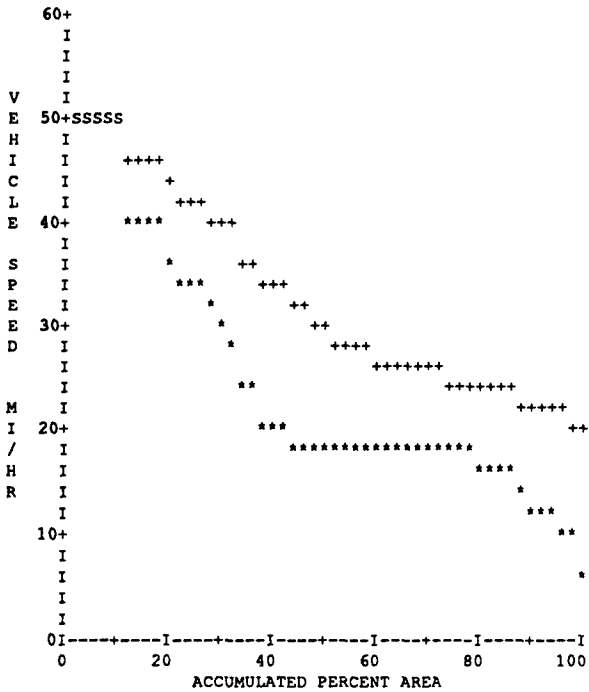
THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP_SLOPE			DOWN_SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED

GO TERRAIN UNITS

1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	24	17.82	26.11	0	0.00	0.00
4 CURVATURE	98	44.38	41.34	122	62.20	43.41
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	0	0.00	0.00	0	0.00	0.00
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>122</b>	<b>62.20</b>	<b>36.98</b>	<b>122</b>	<b>62.20</b>	<b>43.41</b>

THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER THE GEOGRAPHIC AREA IS SECONDARY RDS RT5520  
 THE SEASON IS WET



ACCUMULATED PERCENT AREA

X=0	2	4	6	8
49.5	49.5	49.5	49.5	49.5
1X	49.5	40.8	40.8	40.8
2X	35.8	34.2	34.2	33.2
3X	31.0	28.6	24.7	23.2
4X	20.8	20.3	18.5	18.5
5X	18.5	18.5	18.5	18.5
6X	18.5	18.5	18.5	18.5
7X	18.5	18.4	18.4	17.9
8X	16.3	16.3	15.5	15.5
9X	12.7	12.7	12.4	9.5
10X	6.7			

SPEED IN UNIT

ACCUMULATED PERCENT AREA

X=0	2	4	6	8
49.5	49.5	49.5	49.5	49.5
1X	49.5	45.1	45.1	45.1
2X	44.1	42.5	42.5	41.2
3X	40.1	39.4	36.9	34.0
4X	34.0	33.0	31.2	29.5
5X	29.4	27.3	27.3	27.2
6X	26.5	26.4	26.2	25.7
7X	25.2	25.0	24.8	24.4
8X	24.1	23.8	23.2	22.8
9X	22.5	22.1	21.8	21.3
10X	19.7			

AVERAGE SPEED

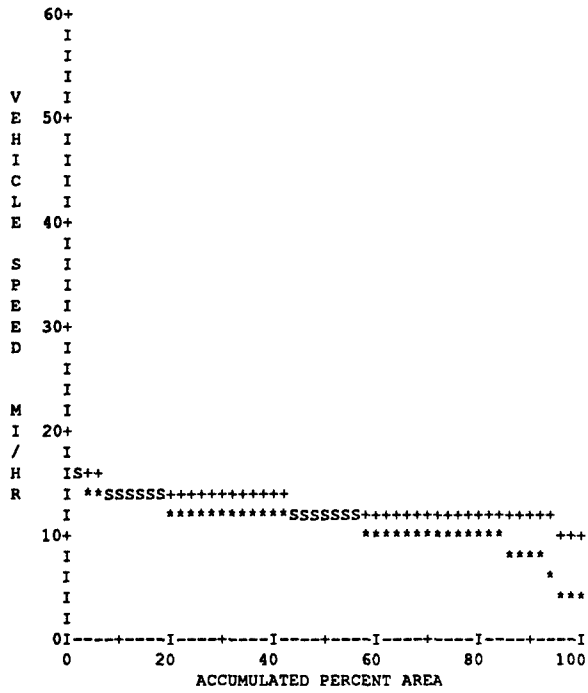
THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP_SLOPE			DOWN_SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED

GO TERRAIN UNITS

1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	156	83.25	21.79	0	0.00	0.00
4 CURVATURE	131	53.48	28.72	240	115.70	34.47
5 VISIBILITY	0	0.00	0.00	5	2.46	40.08
6 RIDE	32	52.77	18.50	74	71.35	18.50
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>319</b>	<b>189.50</b>	<b>22.83</b>	<b>319</b>	<b>189.50</b>	<b>28.53</b>

THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER THE GEOGRAPHIC AREA IS TRAILS RT5520R  
 THE SEASON IS WET



ACCUMULATED PERCENT AREA

X=0	2	4	6	8
16.6	15.5	14.9	14.3	14.2
1X	14.2	13.7	13.7	13.2
2X	12.8	12.7	12.5	12.5
3X	12.5	12.5	11.9	11.9
4X	11.8	11.7	11.6	11.6
5X	11.3	11.3	11.3	10.9
6X	10.9	10.9	10.9	10.7
7X	10.5	10.0	10.0	9.8
8X	9.3	9.1	9.1	8.9
9X	8.5	8.1	6.3	5.0
10X	4.4			

SPEED IN UNIT

ACCUMULATED PERCENT AREA

X=0	2	4	6	8
16.6	15.7	15.4	15.1	14.8
1X	14.7	14.4	14.4	14.2
2X	14.1	13.9	13.8	13.5
3X	13.5	13.5	13.3	13.2
4X	13.1	13.0	12.9	12.7
5X	12.7	12.7	12.6	12.5
6X	12.5	12.4	12.4	12.2
7X	12.2	12.1	12.1	11.8
8X	11.8	11.7	11.7	11.5
9X	11.4	11.3	11.1	10.7
10X	10.3			

AVERAGE SPEED

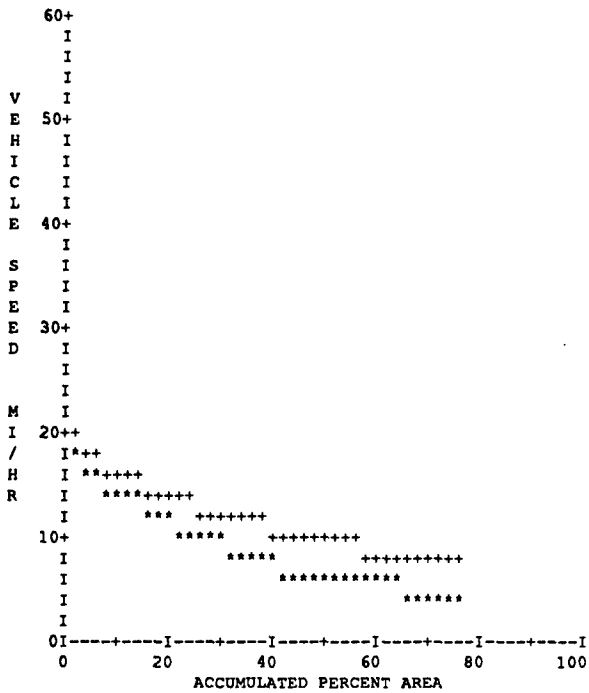
THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED

GO TERRAIN UNITS

1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	301	31.91	9.62	4	0.10	13.24
4 CURVATURE	95	2.98	6.14	149	4.29	7.69
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	80	10.23	12.37	323	40.74	13.38
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>476</b>	<b>45.12</b>	<b>10.02</b>	<b>476</b>	<b>45.12</b>	<b>12.84</b>

THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER THE GEOGRAPHIC AREA IS EFOSS QUAD L5322  
 THE SEASON IS WET



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	24.0	18.4	16.4	15.6	15.0
1X	14.3	13.6	13.1	12.4	11.7
2X	11.1	10.6	10.2	10.0	9.8
3X	9.2	8.9	8.3	7.8	7.4
4X	7.0	6.8	6.6	6.5	6.5
5X	6.3	6.2	6.1	6.0	5.8
6X	5.7	5.4	5.1	5.0	4.8
7X	4.6	4.2	3.7	3.3	0.0
8X	0.0	0.0	0.0	0.0	0.0
9X	0.0	0.0	0.0	0.0	0.0
10X	0.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

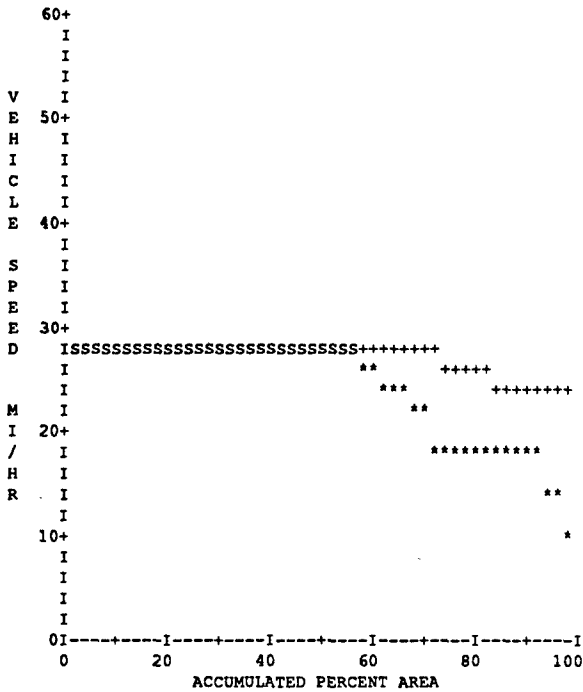
	X=0	2	4	6	8
	24.0	19.5	17.9	17.0	16.5
1X	16.1	15.6	15.2	14.8	14.5
2X	14.1	13.7	13.3	13.0	12.7
3X	12.4	12.1	11.8	11.5	11.2
4X	10.9	10.6	10.2	10.0	9.8
5X	9.6	9.4	9.2	9.1	8.9
6X	8.7	8.6	8.4	8.2	8.1
7X	7.9	7.7	7.5	7.3	0.0
8X	0.0	0.0	0.0	0.0	0.0
9X	0.0	0.0	0.0	0.0	0.0
10X	0.0				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS-23.57.

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	20	1.19	14.83	448	28.85	16.19	809	62.73	16.28
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00	16	0.85	30.85
3 POWER/RES	1029	96.26	6.40	977	84.01	8.72	374	38.42	12.83
4 VISIBILITY	0	0.00	0.00	28	1.70	20.07	301	16.89	15.36
5 MANEUVER	51	4.85	5.16	115	12.02	9.53	58	7.44	11.09
6 MANEUVER	123	9.60	4.90	129	10.47	6.25	20	2.99	5.55
7 OBS IMPACT	19	1.19	10.00	87	4.73	10.00	143	8.98	10.00
8 OBS FORCE	440	35.07	6.31	577	37.86	8.17	535	38.90	9.74
9 DRVR PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>1682</b>	<b>148.16</b>	<b>6.34</b>	<b>2361</b>	<b>179.63</b>	<b>9.86</b>	<b>2256</b>	<b>177.18</b>	<b>13.36</b>
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		130	4.17	
-2 SOIL/SLOPE	688	31.65		6	0.45		5	0.39	
-3 OBS INTRF	111	10.86		141	12.31		127	11.25	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	26	2.30		15	1.18		6	0.80	
-6 OBS FORCE	18	0.88		2	0.27		1	0.07	
<b>TOTAL</b>	<b>843</b>	<b>45.70</b>		<b>164</b>	<b>14.22</b>		<b>269</b>	<b>16.67</b>	

THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER THE GEOGRAPHIC AREA IS PRIMARY ROADS RT5520  
 THE SEASON IS SNOW



ACCUMULATED PERCENT AREA

X=0	2	4	6	8
28.6	28.6	28.6	28.6	28.6
1X	28.6	28.6	28.3	28.3
2X	28.3	28.3	28.3	28.3
3X	28.3	28.3	28.3	28.3
4X	28.3	28.3	28.3	28.3
5X	28.3	28.3	28.1	26.7
6X	25.3	24.9	24.9	21.9
7X	21.6	18.2	18.2	17.9
8X	17.7	17.7	17.7	17.7
9X	17.7	17.5	14.6	9.7
10X	0.0			

SPEED IN UNIT

ACCUMULATED PERCENT AREA

X=0	2	4	6	8
28.6	28.6	28.6	28.6	28.6
1X	28.6	28.6	28.4	28.4
2X	28.4	28.4	28.4	28.4
3X	28.4	28.4	28.4	28.4
4X	28.4	28.4	28.4	28.4
5X	28.4	28.3	28.3	28.3
6X	28.2	27.9	27.9	27.8
7X	27.5	27.2	26.9	26.5
8X	25.4	25.4	24.5	24.5
9X	24.5	24.4	24.1	23.8
10X	0.0			

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

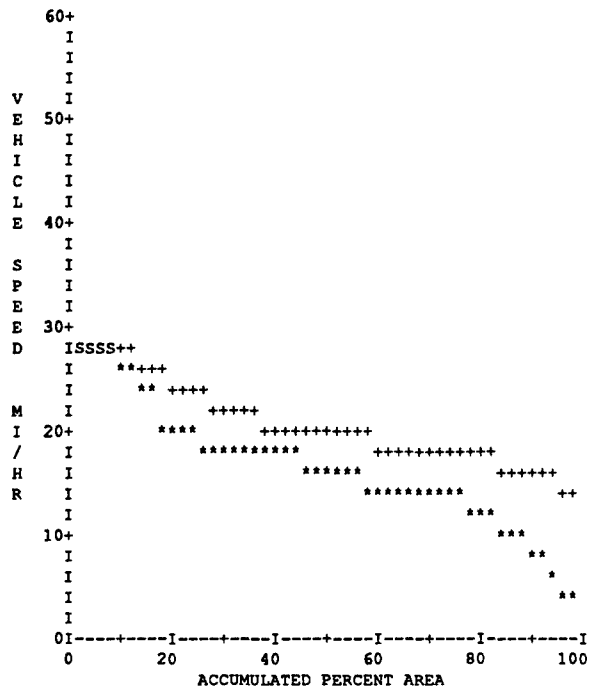
LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED

GO TERRAIN UNITS

1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	23	25.12	30.85
3 POWER/RES	68	54.88	23.32	9	26.50	28.27
4 CURVATURE	54	7.32	15.80	90	10.58	17.96
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	0	0.00	0.00	0	0.00	0.00
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>122</b>	<b>62.20</b>	<b>22.44</b>	<b>122</b>	<b>62.20</b>	<b>27.56</b>



THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER THE GEOGRAPHIC AREA IS TRAILS RT5520R  
 THE SEASON IS SNOW



ACCUMULATED PERCENT AREA

X=0	2	4	6	8
28.3	27.9	27.4	27.4	27.4
1X	26.4	26.0	24.3	24.1
2X	20.5	20.5	20.5	18.1
3X	17.8	17.6	17.6	17.2
4X	17.2	17.2	17.1	16.8
5X	15.4	15.4	15.4	15.0
6X	14.7	14.7	14.7	14.3
7X	13.4	13.4	13.4	13.4
8X	12.1	11.5	10.4	10.4
9X	8.7	8.1	6.7	3.7
10X	0.0			

SPEED IN UNIT

ACCUMULATED PERCENT AREA

X=0	2	4	6	8
28.3	28.2	27.6	27.6	27.6
1X	27.3	27.2	26.5	26.4
2X	24.2	24.2	24.1	23.4
3X	22.4	21.8	21.7	21.2
4X	21.0	20.7	20.6	20.3
5X	19.7	19.5	19.5	19.0
6X	18.7	18.6	18.5	18.4
7X	18.0	17.7	17.7	17.5
8X	17.2	17.0	16.8	16.6
9X	16.1	15.7	15.3	14.9
10X	0.0			

AVERAGE SPEED

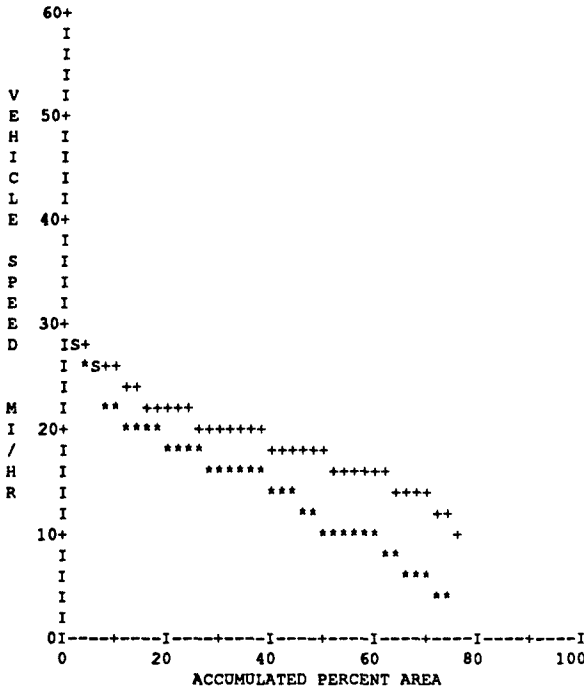
THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED

GO TERRAIN UNITS

1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	33	13.01	30.85
3 POWER/RES	234	31.70	13.76	3	0.62	30.24
4 CURVATURE	212	6.80	8.96	352	11.49	12.76
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	30	6.62	18.91	88	20.00	19.23
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>476</b>	<b>45.12</b>	<b>13.79</b>	<b>476</b>	<b>45.12</b>	<b>21.09</b>

THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER THE GEOGRAPHIC AREA IS EFOSS QUAD L5322  
 THE SEASON IS SNOW



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	27.9	27.4	26.7	25.2	22.7
1X	21.9	20.3	19.9	19.3	19.1
2X	18.4	18.1	17.6	17.4	17.0
3X	16.8	16.2	15.8	15.3	15.1
4X	14.5	13.8	13.3	12.7	11.9
5X	10.7	10.4	10.3	10.1	10.0
6X	9.7	8.7	8.3	6.8	6.2
7X	5.7	4.6	3.3	0.2	0.0
8X	0.0	0.0	0.0	0.0	0.0
9X	0.0	0.0	0.0	0.0	0.0
10X	0.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

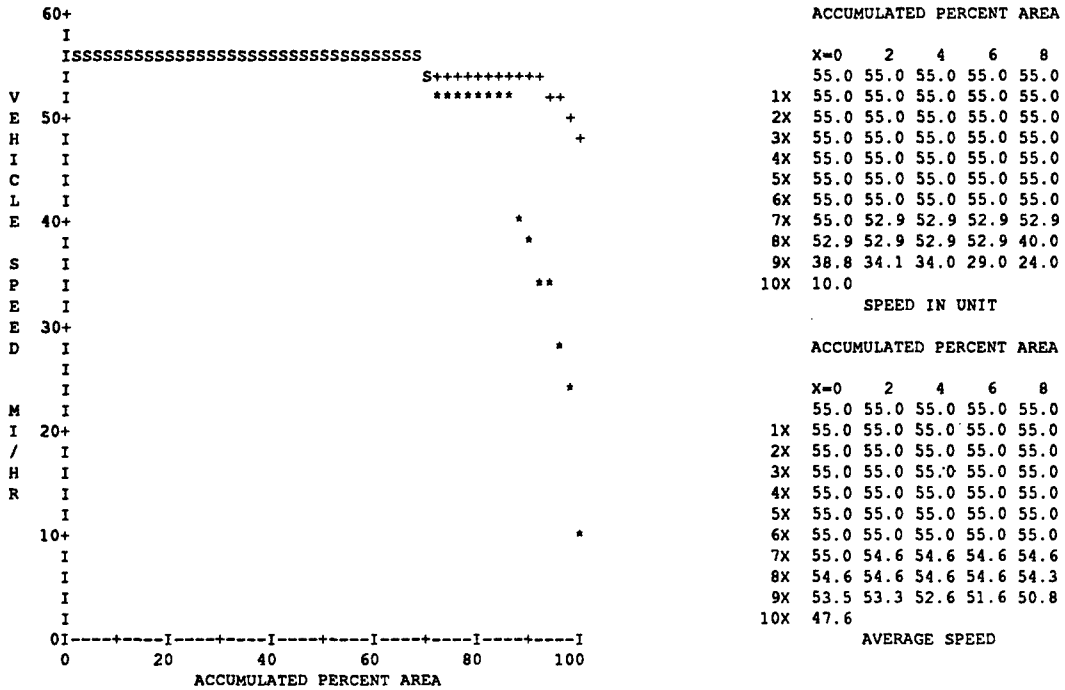
	X=0	2	4	6	8
	27.9	27.6	27.0	26.5	25.9
1X	25.1	24.1	23.4	22.8	22.3
2X	21.9	21.5	21.1	20.8	20.5
3X	20.2	19.9	19.6	19.3	19.0
4X	18.7	18.5	18.0	17.8	17.5
5X	17.1	16.7	16.3	16.0	15.7
6X	15.4	15.0	14.6	14.2	13.7
7X	13.2	12.7	11.9	9.1	0.0
8X	0.0	0.0	0.0	0.0	0.0
9X	0.0	0.0	0.0	0.0	0.0
10X	0.0				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS-24.82.

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	8	0.54	21.00	134	7.42	20.72	70	5.09	21.20
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00	383	33.23	30.85
3 POWER/RES	878	88.27	12.12	912	77.70	22.11	38	2.89	21.71
4 VISIBILITY	15	0.65	22.32	265	23.38	21.39	781	69.34	20.50
5 MANEUVER	81	8.12	7.86	164	10.90	19.48	39	6.06	22.48
6 MANEUVER	82	5.02	7.01	21	0.97	18.82	0	0.00	0.00
7 OBS IMPACT	54	4.56	10.00	167	10.42	10.00	119	8.40	10.00
8 OBS FORCE	498	38.58	9.53	713	49.94	12.96	530	40.61	11.55
9 DRVR PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>1616</b>	<b>145.73</b>	<b>11.03</b>	<b>2376</b>	<b>180.72</b>	<b>18.56</b>	<b>1960</b>	<b>165.60</b>	<b>19.96</b>
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		451	17.05	
-2 SOIL/SLOPE	780	35.99		0	0.00		0	0.00	
-3 OBS INTRF	102	10.28		138	11.96		111	10.46	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	25	1.68		11	1.16		3	0.74	
-6 OBS FORCE	2	0.18		0	0.00		0	0.00	
<b>TOTAL</b>	<b>909</b>	<b>48.12</b>		<b>149</b>	<b>13.12</b>		<b>565</b>	<b>28.25</b>	

THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER THE GEOGRAPHIC AREA IS MIDEAST PRIMARY ROAD  
 THE SEASON IS DRY



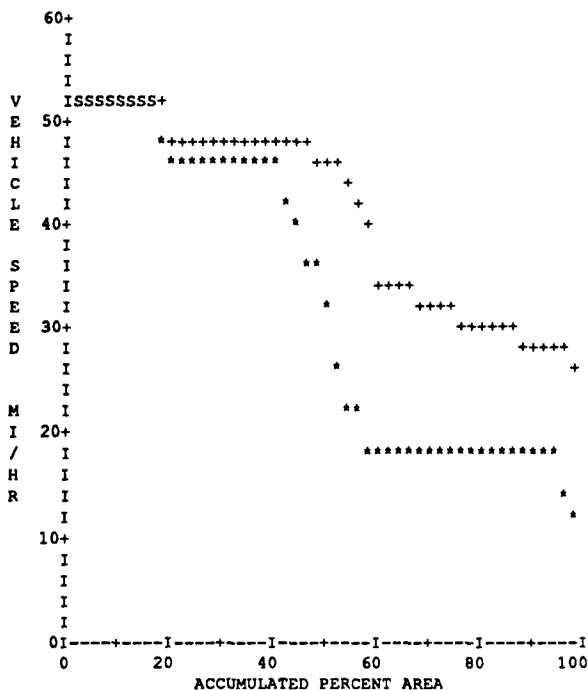
THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP_SLOPE			DOWN_SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED

GO TERRAIN UNITS

1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	9	3.17	47.81	0	0.00	0.00
4 CURVATURE	34	2.40	33.27	38	2.55	34.29
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	6	11.87	55.00	11	14.88	55.00
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	49	17.43	50.70	49	17.43	51.97

THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER THE GEOGRAPHIC AREA IS MIDEAST SECOND ROADS  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	52.4	52.4	52.4	52.4	52.4
1X	52.4	52.4	51.9	51.9	48.0
2X	45.8	45.8	45.8	45.8	45.8
3X	45.8	45.8	45.8	45.8	45.8
4X	45.8	42.6	39.6	36.5	35.2
5X	32.0	26.0	23.0	22.1	18.5
6X	18.5	18.5	18.5	18.5	18.5
7X	18.5	18.5	18.5	18.5	18.5
8X	18.5	18.5	18.5	18.5	18.5
9X	17.9	17.9	17.8	13.4	11.4
10X	0.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	52.4	52.4	52.4	52.4	52.4
1X	52.4	52.4	52.3	52.3	52.2
2X	48.4	48.4	48.4	48.4	48.4
3X	48.4	48.4	48.4	48.4	48.4
4X	48.4	48.1	47.8	47.5	46.7
5X	45.9	45.1	43.9	41.6	39.6
6X	35.0	35.0	35.0	35.0	32.8
7X	32.8	32.6	32.4	30.6	30.6
8X	30.5	30.1	29.3	29.3	28.9
9X	27.9	27.9	27.8	27.3	26.3
10X	0.0				

AVERAGE SPEED

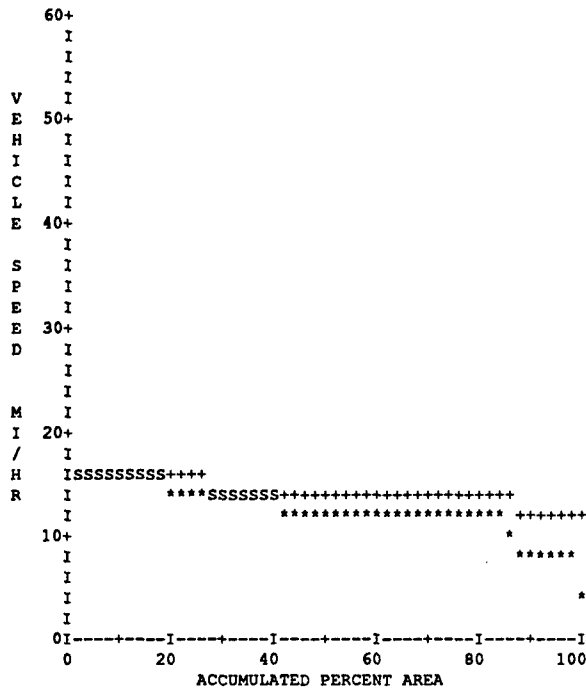
THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED	NO. OF T U'S	FACTOR DIST	AVERAGE SPEED

GO TERRAIN UNITS

1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	81	48.36	36.06	4	13.99	52.30
4 CURVATURE	39	7.22	27.50	80	10.30	31.40
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	38	24.30	18.50	74	55.58	35.74
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>158</b>	<b>79.87</b>	<b>29.94</b>	<b>158</b>	<b>79.87</b>	<b>38.08</b>

THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER THE GEOGRAPHIC AREA IS MIDEAST TRAILS  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	16.6	16.6	16.6	15.5	15.5
1X	15.5	15.5	15.2	15.2	15.1
2X	14.6	13.9	13.9	13.9	13.9
3X	13.9	13.9	13.9	13.7	13.7
4X	13.6	12.7	12.5	12.5	12.5
5X	12.5	12.5	12.5	12.5	12.5
6X	12.5	12.5	12.5	12.5	11.6
7X	11.4	11.4	11.3	11.3	11.3
8X	11.3	11.3	11.3	9.9	8.9
9X	8.4	8.0	8.0	7.5	7.2
10X	3.7				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	16.6	16.6	16.6	16.1	16.1
1X	16.0	15.9	15.7	15.7	15.7
2X	15.6	15.2	15.2	15.1	14.9
3X	14.9	14.9	14.8	14.7	14.7
4X	14.6	14.6	14.2	14.2	14.2
5X	14.1	14.1	14.0	13.8	13.8
6X	13.8	13.8	13.8	13.7	13.7
7X	13.6	13.5	13.4	13.4	13.3
8X	13.3	13.2	13.2	13.1	12.9
9X	12.8	12.5	12.5	12.2	12.2
10X	11.8				

AVERAGE SPEED

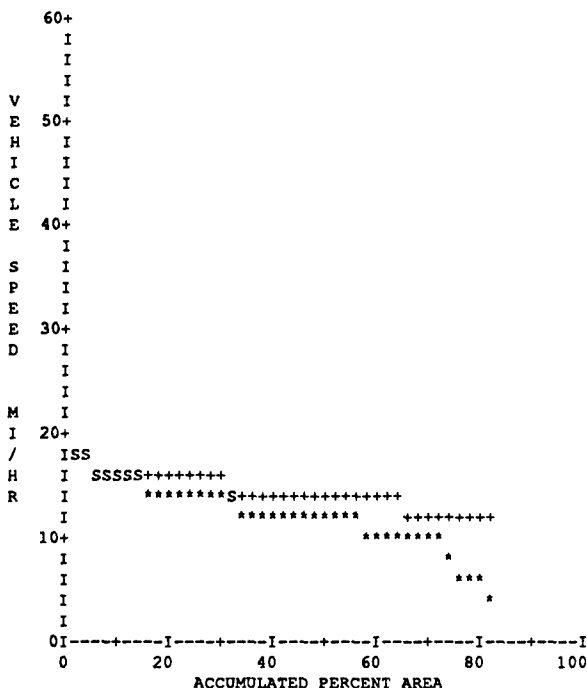
THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED

GO TERRAIN UNITS

1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	171	14.55	9.89	0	0.00	0.00
4 CURVATURE	52	1.09	7.42	69	1.50	8.68
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	172	25.35	13.24	326	39.50	13.67
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>395</b>	<b>41.00</b>	<b>11.90</b>	<b>395</b>	<b>41.00</b>	<b>13.49</b>

THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER THE GEOGRAPHIC AREA IS TV3254IV  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	20.5	17.2	17.2	16.6	16.6
1X	16.6	15.8	15.1	14.7	14.5
2X	14.2	13.9	13.9	13.7	13.5
3X	13.5	13.2	12.9	12.7	12.5
4X	12.5	12.5	12.5	12.3	12.3
5X	12.3	11.9	11.3	11.1	10.7
6X	10.3	10.3	10.2	10.0	10.0
7X	9.4	9.2	8.2	7.0	6.1
8X	5.2	4.2	0.0	0.0	0.0
9X	0.0	0.0	0.0	0.0	0.0
10X	0.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

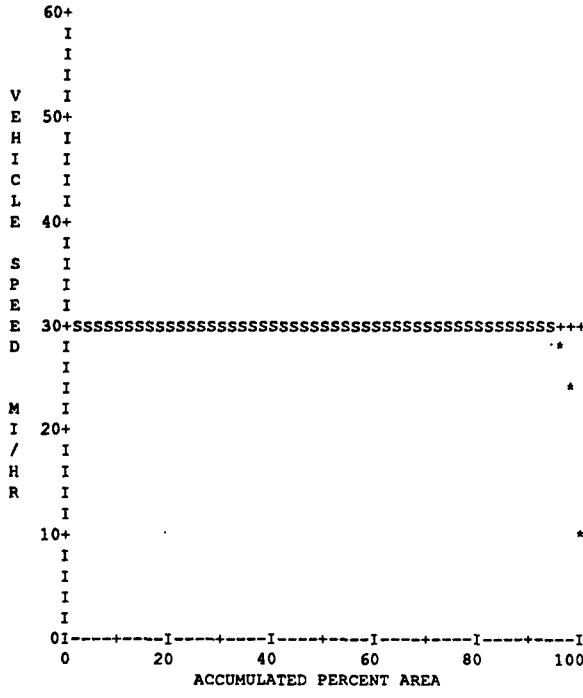
	X=0	2	4	6	8
	20.5	17.5	17.3	16.9	16.9
1X	16.9	16.7	16.5	16.3	16.1
2X	15.9	15.6	15.5	15.4	15.2
3X	15.1	15.0	14.8	14.7	14.5
4X	14.2	14.2	14.2	14.1	14.0
5X	14.0	13.9	13.8	13.7	13.5
6X	13.4	13.3	13.1	13.0	12.9
7X	12.8	12.7	12.5	12.3	12.0
8X	11.7	11.3	0.0	0.0	0.0
9X	0.0	0.0	0.0	0.0	0.0
10X	0.0				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS-18.18.

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	507	44.90	13.75	874	62.30	13.89	912	64.21	13.94
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	369	18.38	9.77	43	2.51	13.34	3	0.05	11.19
4 VISIBILITY	0	0.00	0.00	7	0.51	14.79	9	1.06	14.89
5 MANEUVER	28	1.24	10.34	6	0.19	14.62	6	0.19	14.62
6 MANEUVER	14	0.83	5.84	0	0.00	0.00	0	0.00	0.00
7 OBS IMPACT	31	2.87	10.00	43	3.69	10.00	43	3.69	10.00
8 OBS FORCE	224	11.01	6.86	203	10.10	7.27	203	10.10	7.38
9 DRVR PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>1173</b>	<b>79.24</b>	<b>11.59</b>	<b>1176</b>	<b>79.30</b>	<b>12.85</b>	<b>1176</b>	<b>79.30</b>	<b>12.94</b>
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		0	0.00	
-2 SOIL/SLOPE	2	0.05		0	0.00		0	0.00	
-3 OBS INTRF	406	17.46		407	17.48		407	17.48	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	2	0.03		0	0.00		0	0.00	
-6 OBS FORCE	0	0.00		0	0.00		0	0.00	
<b>TOTAL</b>	<b>410</b>	<b>17.54</b>		<b>407</b>	<b>17.48</b>		<b>407</b>	<b>17.48</b>	

THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER THE GEOGRAPHIC AREA IS MIDEAST PRIMARY ROAD  
 THE SEASON IS DRY SAND



ACCUMULATED PERCENT AREA

X=0	2	4	6	8
30.8	30.8	30.8	30.8	30.8
1X	30.8	30.8	30.8	30.8
2X	30.8	30.8	30.8	30.8
3X	30.8	30.8	30.8	30.8
4X	30.8	30.8	30.8	30.8
5X	30.8	30.8	30.8	30.8
6X	30.8	30.8	30.8	30.8
7X	30.8	30.8	30.8	30.8
8X	30.8	30.8	30.8	30.8
9X	30.8	30.3	30.1	29.0 24.0
10X	10.0			

SPEED IN UNIT

ACCUMULATED PERCENT AREA

X=0	2	4	6	8
30.8	30.8	30.8	30.8	30.8
1X	30.8	30.8	30.8	30.8
2X	30.8	30.8	30.8	30.8
3X	30.8	30.8	30.8	30.8
4X	30.8	30.8	30.8	30.8
5X	30.8	30.8	30.8	30.8
6X	30.8	30.8	30.8	30.8
7X	30.8	30.8	30.8	30.8
8X	30.8	30.8	30.8	30.8
9X	30.8	30.8	30.8	30.7
10X	29.8			

AVERAGE SPEED

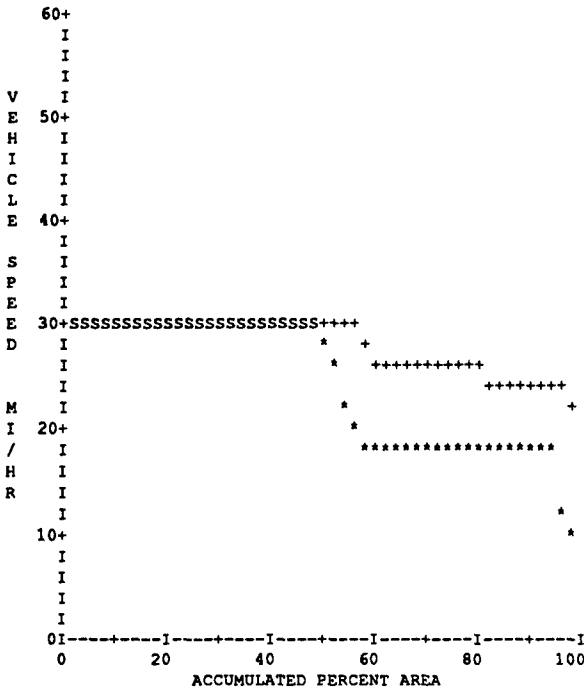
THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED

GO TERRAIN UNITS

1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	23	15.86	30.85	27	16.32	30.85
3 POWER/RES	5	0.46	29.59	0	0.00	0.00
4 CURVATURE	21	1.11	22.79	22	1.12	22.79
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	0	0.00	0.00	0	0.00	0.00
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>49</b>	<b>17.43</b>	<b>30.30</b>	<b>49</b>	<b>17.43</b>	<b>30.33</b>

THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER THE GEOGRAPHIC AREA IS MIDEAST SECOND ROADS  
 THE SEASON IS DRY SAND



ACCUMULATED PERCENT AREA

X=0	2	4	6	8
30.8	30.8	30.8	30.8	30.8
1X	30.8	30.8	30.8	30.8
2X	30.8	30.8	30.8	30.8
3X	30.8	30.8	30.8	30.8
4X	30.8	30.8	30.8	30.4
5X	28.8	26.0	23.0	19.0
6X	18.5	18.5	18.5	18.5
7X	18.5	18.5	18.5	18.5
8X	18.5	18.5	18.5	18.5
9X	17.6	17.6	17.4	12.2
10X	0.0			

SPEED IN UNIT

ACCUMULATED PERCENT AREA

X=0	2	4	6	8
30.8	30.8	30.8	30.8	30.8
1X	30.8	30.8	30.8	30.8
2X	30.8	30.8	30.8	30.8
3X	30.8	30.8	30.8	30.8
4X	30.8	30.8	30.8	30.8
5X	30.8	30.5	30.3	29.5
6X	27.0	27.0	27.0	26.1
7X	26.1	26.0	25.9	25.2
8X	25.1	24.9	24.6	24.4
9X	23.9	23.9	23.8	22.6
10X	0.0			

AVERAGE SPEED

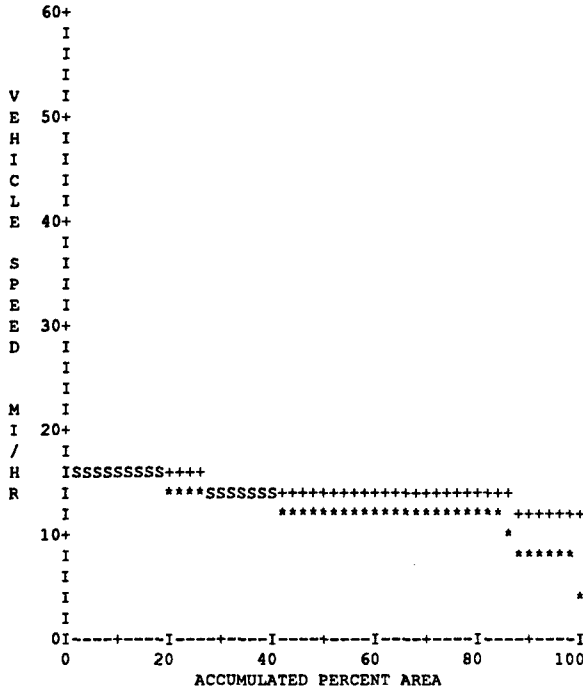
THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED

GO TERRAIN UNITS

1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	11	37.40	30.85	45	45.78	30.85
3 POWER/RES	75	14.07	15.15	0	0.00	0.00
4 CURVATURE	34	4.10	21.62	52	4.77	21.63
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	38	24.30	18.50	61	29.32	18.50
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	158	79.87	23.85	158	79.87	25.77

THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER THE GEOGRAPHIC AREA IS MIDEAST TRAILS  
 THE SEASON IS DRY SAND



ACCUMULATED PERCENT AREA					
X=0	2	4	6	8	
16.6	16.6	16.6	15.5	15.5	
1X	15.5	15.5	15.2	15.2	15.1
2X	14.6	13.9	13.9	13.9	13.9
3X	13.9	13.9	13.9	13.7	13.7
4X	13.6	12.7	12.5	12.5	12.5
5X	12.5	12.5	12.5	12.5	12.5
6X	12.5	12.5	12.5	12.5	11.6
7X	11.4	11.4	11.3	11.3	11.3
8X	11.3	11.3	11.3	9.9	8.9
9X	8.4	8.0	8.0	7.5	7.2
10X	3.8				

SPEED IN UNIT					
X=0	2	4	6	8	
16.6	16.6	16.6	16.1	16.1	
1X	16.0	15.9	15.7	15.7	15.7
2X	15.6	15.2	15.2	15.1	14.9
3X	14.9	14.9	14.8	14.7	14.7
4X	14.6	14.6	14.2	14.2	14.2
5X	14.1	14.1	14.0	13.8	13.8
6X	13.8	13.8	13.8	13.7	13.7
7X	13.6	13.5	13.4	13.4	13.3
8X	13.3	13.2	13.2	13.1	12.9
9X	12.8	12.5	12.5	12.2	12.2
10X	11.8				

ACCUMULATED PERCENT AREA					
X=0	2	4	6	8	
16.6	16.6	16.6	16.1	16.1	
1X	16.0	15.9	15.7	15.7	15.7
2X	15.6	15.2	15.2	15.1	14.9
3X	14.9	14.9	14.8	14.7	14.7
4X	14.6	14.6	14.2	14.2	14.2
5X	14.1	14.1	14.0	13.8	13.8
6X	13.8	13.8	13.8	13.7	13.7
7X	13.6	13.5	13.4	13.4	13.3
8X	13.3	13.2	13.2	13.1	12.9
9X	12.8	12.5	12.5	12.2	12.2
10X	11.8				

AVERAGE SPEED					
X=0	2	4	6	8	
16.6	16.6	16.6	16.1	16.1	
1X	16.0	15.9	15.7	15.7	15.7
2X	15.6	15.2	15.2	15.1	14.9
3X	14.9	14.9	14.8	14.7	14.7
4X	14.6	14.6	14.2	14.2	14.2
5X	14.1	14.1	14.0	13.8	13.8
6X	13.8	13.8	13.8	13.7	13.7
7X	13.6	13.5	13.4	13.4	13.3
8X	13.3	13.2	13.2	13.1	12.9
9X	12.8	12.5	12.5	12.2	12.2
10X	11.8				

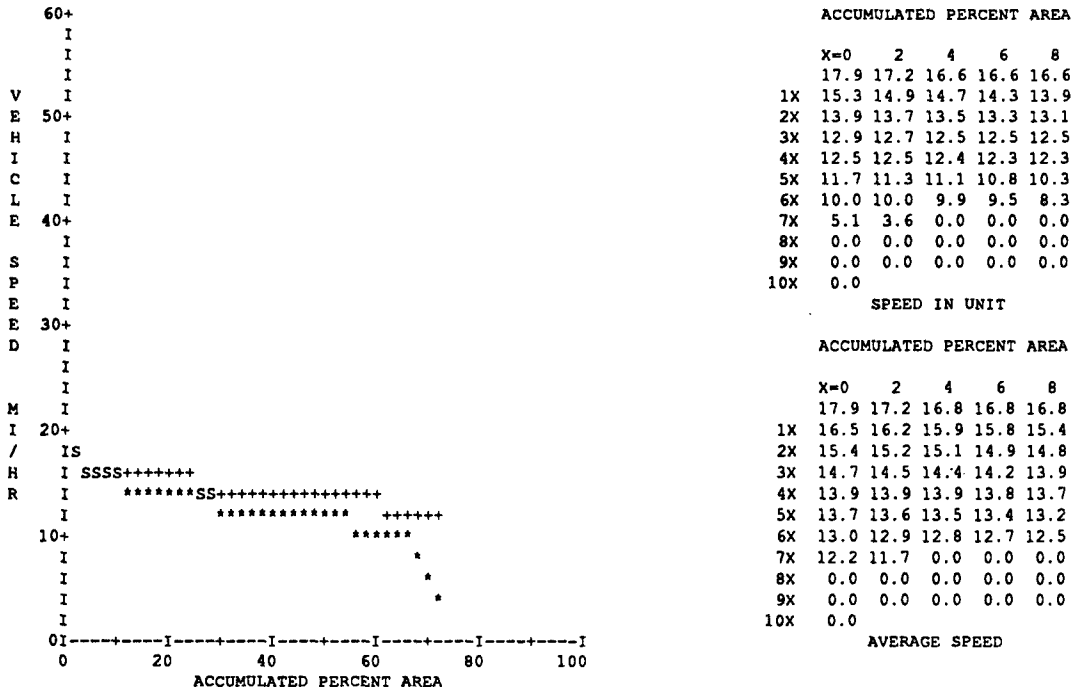
THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED

GO TERRAIN UNITS

1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	172	14.57	9.89	0	0.00	0.00
4 CURVATURE	51	1.07	7.44	69	1.50	8.70
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	172	25.35	13.24	326	39.50	13.67
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>395</b>	<b>41.00</b>	<b>11.90</b>	<b>395</b>	<b>41.00</b>	<b>13.49</b>

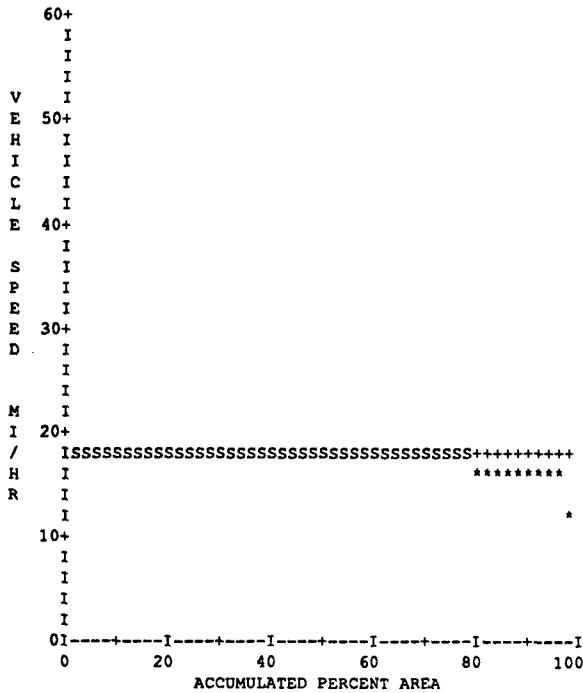
THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER THE GEOGRAPHIC AREA IS MID-EAST SAND OCT 83  
 THE SEASON IS DRY SAND



THE NOGO PERCENT OF AREA IS-28.99.

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	286	34.39	13.73	1267	78.01	13.95	876	60.13	13.80
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	549	24.77	9.59	0	0.00	0.00	0	0.00	0.00
4 VISIBILITY	10	0.81	14.45	71	3.62	14.34	363	15.99	11.07
5 MANEUVER	4	0.05	9.49	4	0.05	9.49	4	0.05	9.49
6 MANEUVER	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
7 OBS IMPACT	20	2.65	10.00	20	2.65	10.00	20	2.65	10.00
8 OBS FORCE	101	6.06	7.49	87	5.65	7.36	87	5.65	7.45
9 DRVR PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>970</b>	<b>68.73</b>	<b>11.55</b>	<b>1449</b>	<b>89.98</b>	<b>13.44</b>	<b>1350</b>	<b>84.47</b>	<b>12.74</b>
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		99	5.51	
-2 SOIL/SLOPE	479	21.25		0	0.00		0	0.00	
-3 OBS INTRF	134	6.80		134	6.80		134	6.80	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	0	0.00		0	0.00		0	0.00	
-6 OBS FORCE	0	0.00		0	0.00		0	0.00	
<b>TOTAL</b>	<b>613</b>	<b>28.05</b>		<b>134</b>	<b>6.80</b>		<b>233</b>	<b>12.31</b>	

THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER W/FULL LOAD THE GEOGRAPHIC AREA IS PRIMARY ROADS RT5520  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	18.4	18.4	18.4	18.4	18.4
1X	18.4	18.4	18.4	18.4	18.4
2X	18.4	18.4	18.4	18.4	18.4
3X	18.4	18.4	18.4	18.4	18.4
4X	18.4	18.4	18.4	18.4	18.4
5X	18.4	18.4	18.4	18.4	18.4
6X	18.4	18.4	18.4	18.4	18.4
7X	18.4	18.4	18.0	18.0	18.0
8X	15.7	15.7	15.7	15.7	15.7
9X	15.7	15.7	15.7	15.7	13.0
10X	0.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

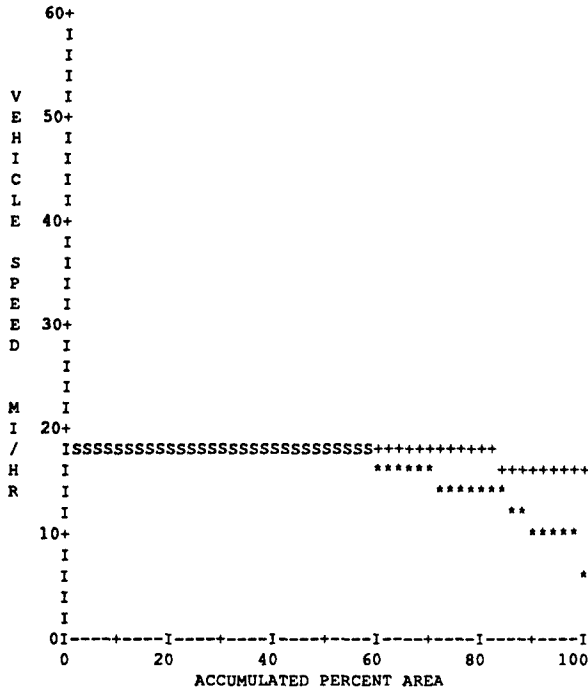
	X=0	2	4	6	8
	18.4	18.4	18.4	18.4	18.4
1X	18.4	18.4	18.4	18.4	18.4
2X	18.4	18.4	18.4	18.4	18.4
3X	18.4	18.4	18.4	18.4	18.4
4X	18.4	18.4	18.4	18.4	18.4
5X	18.4	18.4	18.4	18.4	18.4
6X	18.4	18.4	18.4	18.4	18.4
7X	18.4	18.4	18.4	18.4	18.4
8X	18.1	18.1	18.1	17.9	17.9
9X	17.9	17.9	17.9	17.8	17.7
10X	0.0				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	58	45.40	18.40	82	58.06	18.40
3 POWER/RES	28	13.21	14.18	0	0.00	0.00
4 CURVATURE	36	3.59	13.97	40	4.14	14.50
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	0	0.00	0.00	0	0.00	0.00
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	122	62.20	17.24	122	62.20	18.14

THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER W/FULL LOAD THE GEOGRAPHIC AREA IS SECONDARY RDS RT5520  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

X=0	2	4	6	8
18.4	18.4	18.4	18.4	18.4
1X	18.4	18.4	18.4	18.4
2X	18.4	18.4	18.4	18.4
3X	18.4	18.4	18.4	18.4
4X	18.4	18.4	18.4	18.4
5X	18.4	18.4	18.2	18.0
6X	15.7	15.7	15.7	15.5
7X	15.3	13.8	13.8	13.8
8X	13.2	13.2	13.2	13.0
9X	11.0	11.0	10.0	9.4
10X	6.0			

SPEED IN UNIT

ACCUMULATED PERCENT AREA

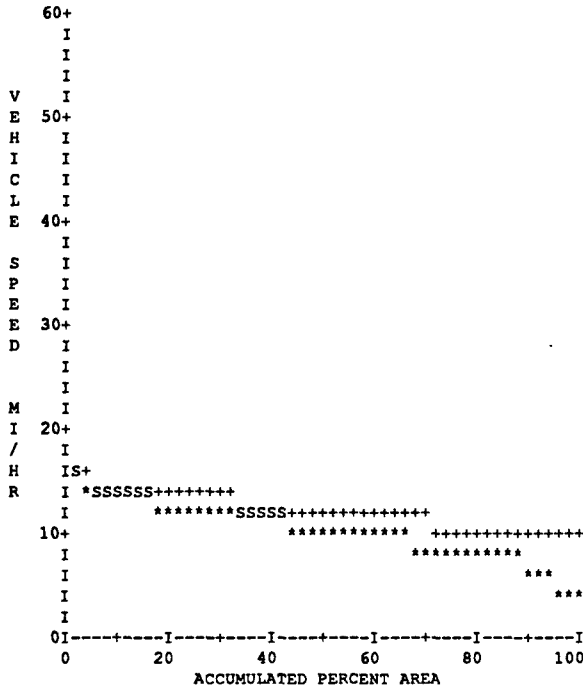
X=0	2	4	6	8
18.4	18.4	18.4	18.4	18.4
1X	18.4	18.4	18.4	18.4
2X	18.4	18.4	18.4	18.4
3X	18.4	18.4	18.4	18.4
4X	18.4	18.4	18.4	18.4
5X	18.4	18.4	18.4	18.4
6X	18.3	18.1	18.1	18.0
7X	17.8	17.6	17.4	17.4
8X	17.1	17.1	17.0	16.9
9X	16.3	16.3	16.1	15.8
10X	15.3			

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	68	98.16	18.40	217	172.43	18.40
3 POWER/RES	207	80.78	11.24	0	0.00	0.00
4 CURVATURE	44	10.56	13.84	102	17.07	14.66
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	0	0.00	0.00	0	0.00	0.00
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>319</b>	<b>189.50</b>	<b>15.09</b>	<b>319</b>	<b>189.50</b>	<b>18.06</b>

THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER W/FULL LOAD THE GEOGRAPHIC AREA IS TRAILS RT5520R  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	16.6	15.5	14.9	14.1	14.1
1X	13.7	13.7	13.7	13.1	12.5
2X	12.5	12.5	12.5	12.2	12.1
3X	11.3	11.3	11.3	11.3	11.1
4X	11.1	11.0	10.5	10.0	10.0
5X	10.0	9.9	9.4	9.3	9.3
6X	9.3	9.1	9.1	9.1	8.9
7X	8.9	8.8	8.8	8.3	8.3
8X	8.3	8.3	8.3	7.8	7.8
9X	6.6	5.9	5.8	5.0	5.0
10X	4.2				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

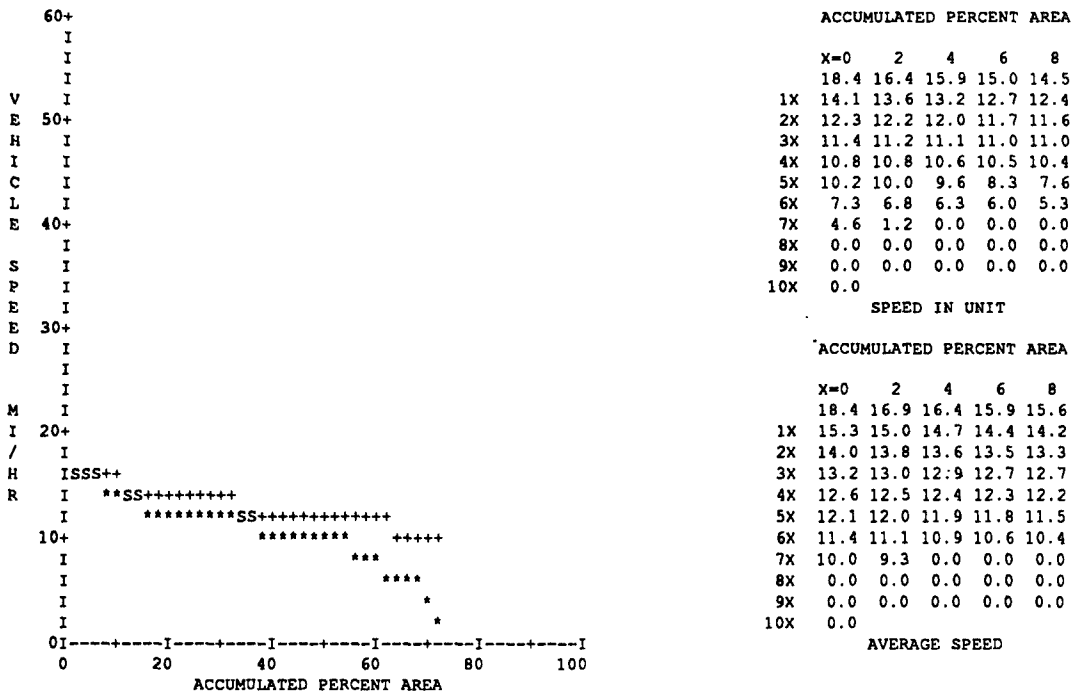
	X=0	2	4	6	8
	16.6	15.7	15.3	14.6	14.6
1X	14.2	14.2	14.2	14.1	13.8
2X	13.6	13.6	13.5	13.4	13.3
3X	13.0	13.0	12.9	12.8	12.6
4X	12.6	12.5	12.4	12.3	12.1
5X	12.1	12.0	11.9	11.7	11.5
6X	11.5	11.3	11.3	11.3	11.2
7X	11.1	11.0	11.0	10.9	10.8
8X	10.6	10.6	10.6	10.5	10.4
9X	10.3	10.2	10.0	9.8	9.6
10X	9.4				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	331	34.82	8.25	0	0.00	0.00
4 CURVATURE	84	2.64	5.84	141	4.13	7.50
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	61	7.66	12.33	335	40.99	13.39
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>476</b>	<b>45.12</b>	<b>8.80</b>	<b>476</b>	<b>45.12</b>	<b>12.85</b>

THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER W/FULL LOAD THE GEOGRAPHIC AREA IS EFOSS QUAD L5322  
 THE SEASON IS DRY

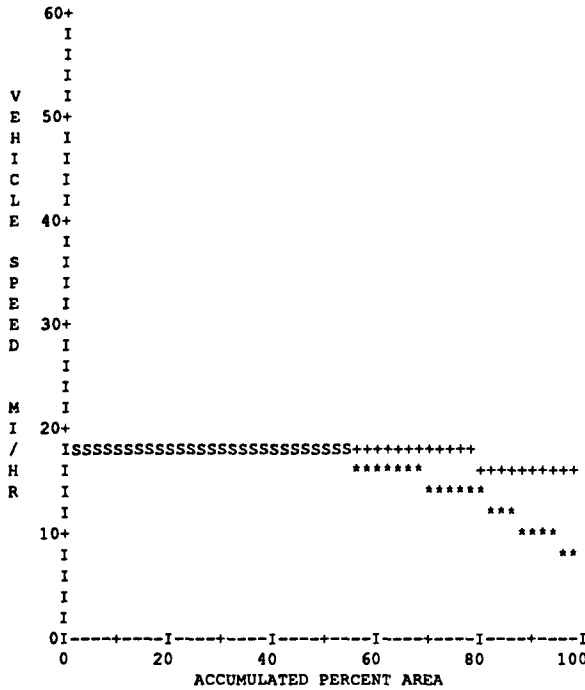


THE NOGO PERCENT OF AREA IS-28.82.

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	20	1.42	14.37	947	72.39	15.19	882	72.76	15.24
2 TIRE CONST	3	0.08	18.40	537	45.90	18.40	552	49.66	18.40
3 POWER/RES	1074	99.14	7.10	62	4.34	10.67	11	0.68	11.33
4 VISIBILITY	0	0.00	0.00	13	1.33	17.24	136	6.09	13.21
5 MANEUVER	30	2.92	5.32	108	9.03	12.40	33	3.62	9.32
6 MANEUVER	1	0.24	12.03	20	1.99	13.53	0	0.00	0.00
7 OBS IMPACT	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
8 OBS FORCE	392	34.21	7.22	303	22.22	10.06	280	21.55	10.61
9 DRVR PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>1520</b>	<b>138.01</b>	<b>7.19</b>	<b>1990</b>	<b>157.19</b>	<b>15.11</b>	<b>1894</b>	<b>154.35</b>	<b>15.37</b>
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		123	3.96	
-2 SOIL/SLOPE	542	21.31		0	0.00		0	0.00	
-3 OBS INTRF	115	10.43		141	11.41		132	11.10	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	186	13.28		208	13.56		199	12.93	
-6 OBS FORCE	162	10.83		186	11.69		177	11.51	
<b>TOTAL</b>	<b>1005</b>	<b>55.84</b>		<b>535</b>	<b>36.66</b>		<b>631</b>	<b>39.50</b>	



THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER W/FULL LOAD THE GEOGRAPHIC AREA IS SECONDARY RDS RT5520  
 THE SEASON IS WET



ACCUMULATED PERCENT AREA

X=0	2	4	6	8
18.4	18.4	18.4	18.4	18.4
1X	18.4	18.4	18.4	18.4
2X	18.4	18.4	18.4	18.4
3X	18.4	18.4	18.4	18.4
4X	18.4	18.4	18.4	18.4
5X	18.4	18.2	18.2	16.3
6X	15.7	15.7	15.3	15.3
7X	13.8	13.8	13.8	13.2
8X	13.2	12.7	12.7	11.1
9X	11.0	10.0	9.2	9.0
10X	0.0			

SPEED IN UNIT

ACCUMULATED PERCENT AREA

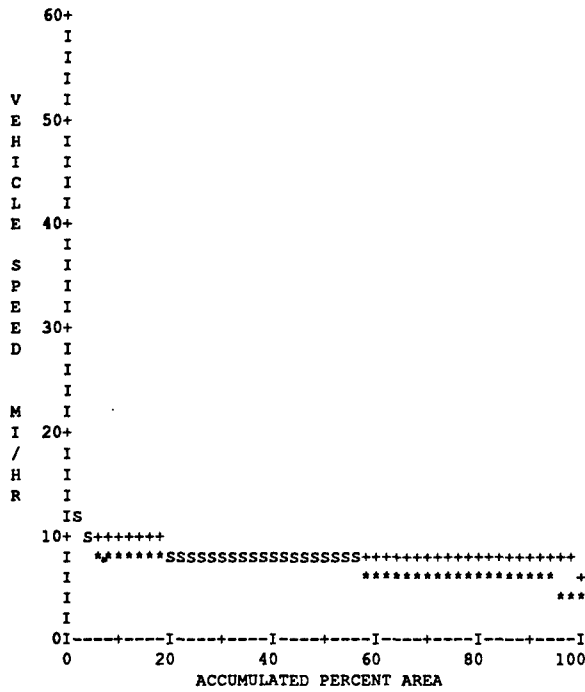
X=0	2	4	6	8
18.4	18.4	18.4	18.4	18.4
1X	18.4	18.4	18.4	18.4
2X	18.4	18.4	18.4	18.4
3X	18.4	18.4	18.4	18.4
4X	18.4	18.4	18.4	18.4
5X	18.4	18.4	18.4	18.1
6X	18.1	18.0	17.8	17.8
7X	17.5	17.3	17.3	17.0
8X	17.0	16.8	16.7	16.6
9X	16.2	16.0	15.8	15.3
10X	0.0			

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.15.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	45	90.20	18.40	145	157.16	18.40
3 POWER/RES	183	77.19	11.16	0	0.00	0.00
4 CURVATURE	81	21.84	12.83	174	32.34	13.71
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	0	0.00	0.00	0	0.00	0.00
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	309	189.23	14.80	319	189.50	17.60
<u>NOGO TERRAIN UNITS</u>						
-3 POWER/RES	10	0.28		0	0.00	
TOTAL	10	0.28		0	0.00	
<u>MAX RESISTANCE IN A POWER/RES NOGO - VELOCITY INDEPENDENT</u>						
4 GRADE	10	0.28		0	0.00	
TOTAL	10	0.28		0	0.00	

THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER W/FULL LOAD THE GEOGRAPHIC AREA IS TRAILS RT5520R  
 THE SEASON IS WET



ACCUMULATED PERCENT AREA	
X=0	2 4 6 8
12.3	12.2 9.3 8.8 8.7
1X	8.7 8.7 8.7 8.7 8.6
2X	8.6 8.6 8.6 8.4 8.4
3X	8.4 8.3 8.3 8.3 8.3
4X	8.3 8.3 8.1 7.8 7.8
5X	7.8 7.8 7.7 7.4 6.8
6X	6.7 6.7 6.6 6.6 6.3
7X	6.3 6.3 6.2 6.1 5.9
8X	5.9 5.9 5.9 5.8 5.6
9X	5.6 5.3 5.1 4.9 4.5
10X	3.6

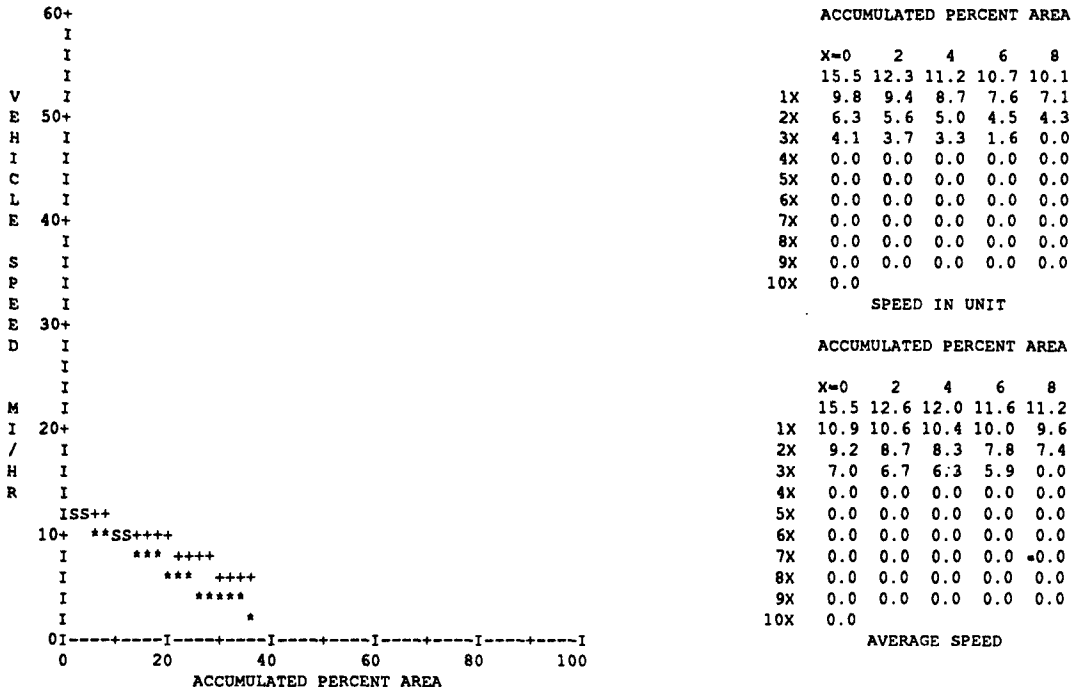
SPEED IN UNIT	
ACCUMULATED PERCENT AREA	
X=0	2 4 6 8
12.3	12.2 10.9 10.1 9.3
1X	9.3 9.2 9.1 9.1 9.1
2X	9.0 9.0 8.9 8.9 8.8
3X	8.8 8.8 8.7 8.7 8.7
4X	8.7 8.7 8.6 8.6 8.5
5X	8.5 8.5 8.5 8.4 8.4
6X	8.3 8.2 8.1 8.1 8.1
7X	7.9 7.9 7.9 7.8 7.7
8X	7.6 7.6 7.6 7.5 7.4
9X	7.4 7.3 7.3 7.2 7.1
10X	7.0

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	437	43.73	5.45	88	9.74	11.30
4 CURVATURE	39	1.39	5.15	136	3.99	7.21
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	0	0.00	0.00	252	31.38	13.11
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>476</b>	<b>45.12</b>	<b>5.44</b>	<b>476</b>	<b>45.12</b>	<b>12.19</b>

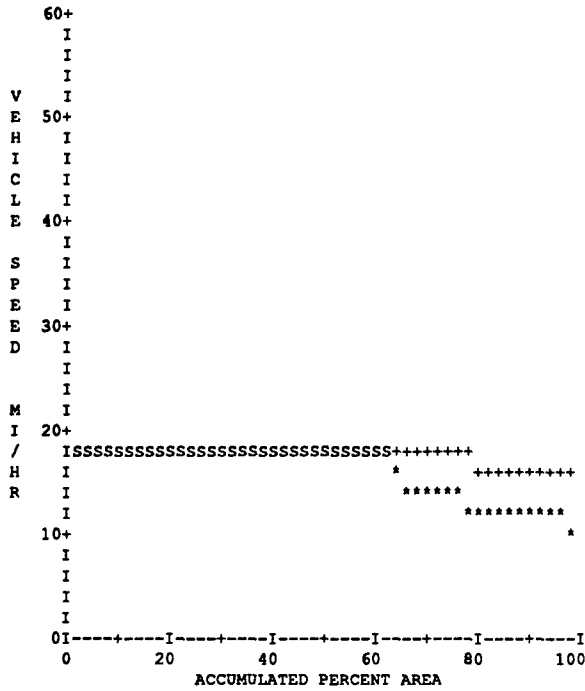
THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER W/FULL LOAD THE GEOGRAPHIC AREA IS EFOSS QUAD L5322  
 THE SEASON IS WET



THE NOGO PERCENT OF AREA IS-64.81.

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	0	0.00	0.00	161	10.01	14.40	420	27.06	14.86
2 TIRE CONST	0	0.00	0.00	63	4.92	18.40	176	12.98	18.40
3 POWER/RES	603	51.70	4.73	613	47.96	6.97	527	52.26	5.17
4 VISIBILITY	0	0.00	0.00	6	0.40	17.18	186	8.44	12.48
5 MANEUVER	14	1.22	3.82	36	2.75	9.76	39	2.95	8.82
6 MANEUVER	0	0.00	0.00	4	0.09	10.92	1	0.05	13.96
7 OBS IMPACT	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
8 OBS FORCE	204	15.32	5.00	274	18.60	7.36	297	21.69	7.45
9 DRVR PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>821</b>	<b>68.23</b>	<b>4.77</b>	<b>1157</b>	<b>84.73</b>	<b>8.74</b>	<b>1646</b>	<b>125.42</b>	<b>9.60</b>
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		88	2.68	
-2 SOIL/SLOPE	1457	107.75		1045	86.64		258	26.54	
-3 OBS INTRF	55	6.08		76	7.54		125	10.30	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	85	5.55		123	7.21		208	14.01	
-6 OBS FORCE	107	6.25		124	7.73		200	14.92	
<b>TOTAL</b>	<b>1704</b>	<b>125.63</b>		<b>1368</b>	<b>109.12</b>		<b>879</b>	<b>68.44</b>	

THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER W/FULL LOAD THE GEOGRAPHIC AREA IS PRIMARY ROADS RT5520  
 THE SEASON IS SNOW



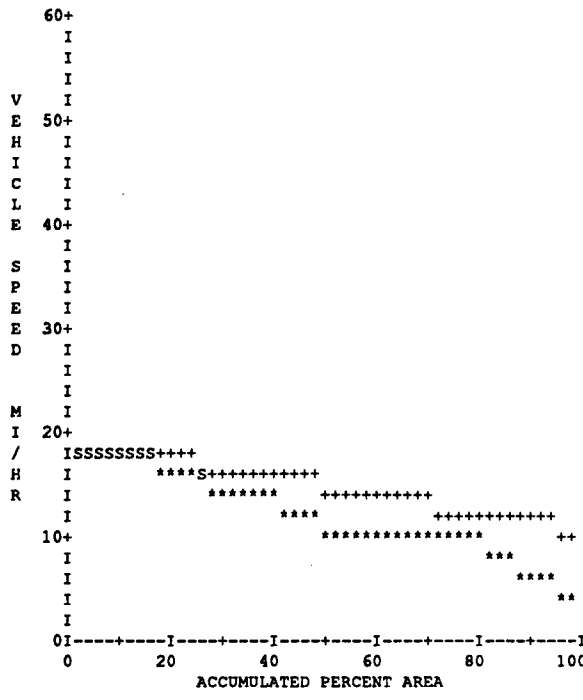
ACCUMULATED PERCENT AREA				
X=0	2	4	6	8
18.4	18.4	18.4	18.4	18.4
1X	18.4	18.4	18.4	18.4
2X	18.4	18.4	18.4	18.4
3X	18.4	18.4	18.4	18.4
4X	18.4	18.4	18.4	18.4
5X	18.4	18.4	18.4	18.4
6X	18.4	17.8	15.4	14.9
7X	14.9	14.9	13.4	12.7
8X	11.7	11.7	11.7	11.7
9X	11.7	11.7	11.7	9.7
10X	0.0			
SPEED IN UNIT				
ACCUMULATED PERCENT AREA				
X=0	2	4	6	8
18.4	18.4	18.4	18.4	18.4
1X	18.4	18.4	18.4	18.4
2X	18.4	18.4	18.4	18.4
3X	18.4	18.4	18.4	18.4
4X	18.4	18.4	18.4	18.4
5X	18.4	18.4	18.4	18.4
6X	18.4	18.4	18.2	17.9
7X	17.9	17.8	17.6	17.3
8X	16.6	16.6	16.6	16.0
9X	16.0	16.0	15.9	15.7
10X	0.0			
AVERAGE SPEED				

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	26	37.03	18.40	68	56.29	18.40
3 POWER/RES	63	20.70	10.05	0	0.00	0.00
4 CURVATURE	33	4.47	12.32	54	5.92	12.90
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	0	0.00	0.00	0	0.00	0.00
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TTP	0	0.00	0.00	0	0.00	0.00
TOTAL	122	62.20	15.18	122	62.20	17.87



THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER W/FULL LOAD THE GEOGRAPHIC AREA IS TRAILS RT5520R THE SEASON IS SNOW



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	18.4	18.4	18.4	18.2	18.2
1X	18.2	17.2	17.2	17.2	16.9
2X	15.2	15.2	15.2	15.2	14.8
3X	14.8	14.4	13.3	13.3	13.3
4X	13.2	12.5	12.2	12.2	12.2
5X	10.4	10.3	10.3	10.3	10.3
6X	10.3	10.1	10.0	9.8	9.3
7X	9.2	9.2	9.2	9.2	9.2
8X	9.2	8.5	8.5	8.2	6.7
9X	6.4	5.6	5.6	3.7	3.7
10X	0.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	18.4	18.4	18.4	18.3	18.3
1X	18.2	18.0	18.0	17.9	17.8
2X	17.4	17.0	17.0	17.0	16.7
3X	16.6	16.4	16.0	16.0	15.9
4X	15.8	15.6	15.2	15.1	15.1
5X	14.9	14.3	14.3	14.1	14.0
6X	13.8	13.7	13.5	13.3	13.2
7X	13.0	12.7	12.7	12.6	12.5
8X	12.4	12.2	12.2	12.0	11.9
9X	11.7	11.4	11.1	10.8	10.4
10X	0.0				

AVERAGE SPEED

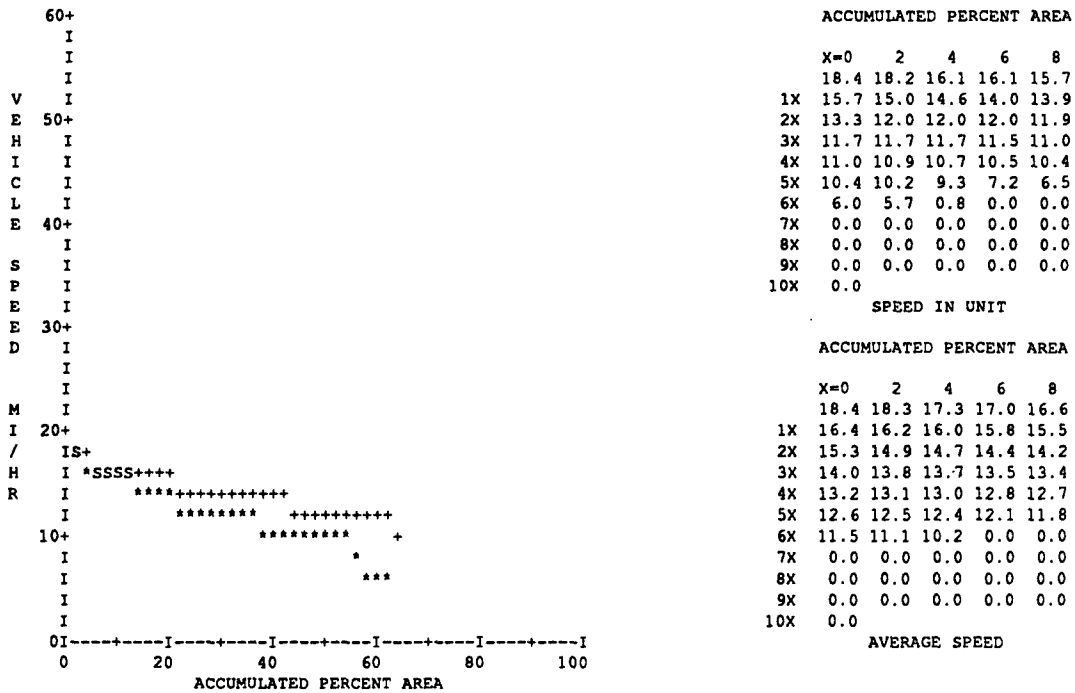
THE NOGO PERCENT OF AREA IS- 1.32.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	11	1.82	18.40	144	27.66	18.40
3 POWER/RES	298	36.11	9.31	0	0.00	0.00
4 CURVATURE	137	4.16	6.70	295	9.76	10.45
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	10	2.43	17.20	37	7.69	17.20
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>456</b>	<b>44.52</b>	<b>9.87</b>	<b>476</b>	<b>45.12</b>	<b>16.47</b>

<u>NOGO TERRAIN UNITS</u>						
-3 POWER/RES	20	0.60		0	0.00	
<b>TOTAL</b>	<b>20</b>	<b>0.60</b>		<b>0</b>	<b>0.00</b>	

<u>MAX RESISTANCE IN A POWER/RES NOGO - VELOCITY INDEPENDENT</u>						
4 GRADE	20	0.60		0	0.00	
<b>TOTAL</b>	<b>20</b>	<b>0.60</b>		<b>0</b>	<b>0.00</b>	

THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER W/FULL LOAD THE GEOGRAPHIC AREA IS EFOSS QUAD L5322  
 THE SEASON IS SNOW

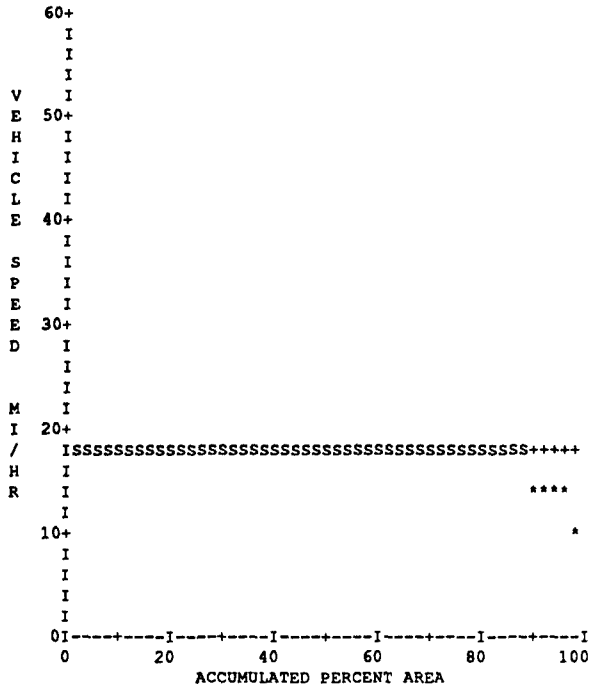


THE NOGO PERCENT OF AREA IS-36.96.

LIMITING FACTOR	UP_SLOPE			LEVEL			DOWN_SLOPE		
	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	0	0.00	0.00	29	1.69	17.55	7	0.78	17.42
2 TIRE CONST	27	1.39	18.40	1311	101.37	18.40	1046	93.26	18.40
3 POWER/RES	889	86.85	7.91	44	2.34	10.52	5	0.62	15.10
4 VISIBILITY	1	0.04	17.53	57	7.37	16.74	269	23.20	14.11
5 MANEUVER	26	3.13	6.75	148	13.94	14.42	28	2.77	8.62
6 MANEUVER	1	0.24	12.03	29	3.10	14.74	0	0.00	0.00
7 OBS IMPACT	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
8 OBS FORCE	351	30.62	7.68	367	26.96	11.42	275	23.33	11.56
9 DRVR PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>1295</b>	<b>122.28</b>	<b>7.96</b>	<b>1985</b>	<b>156.76</b>	<b>16.57</b>	<b>1630</b>	<b>143.96</b>	<b>16.39</b>
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		451	17.05	
-2 SOIL/SLOPE	821	38.54		0	0.00		0	0.00	
-3 OBS INTRF	97	9.39		142	11.46		116	10.40	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	140	10.94		212	13.94		172	11.89	
-6 OBS FORCE	172	12.72		186	11.69		156	10.55	
<b>TOTAL</b>	<b>1230</b>	<b>71.58</b>		<b>540</b>	<b>37.09</b>		<b>895</b>	<b>49.90</b>	



THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER W/FULL LOAD THE GEOGRAPHIC AREA IS MIDEAST SECOND ROADS  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA

	X=0	2	4	6	8
	18.4	18.4	18.4	18.4	18.4
1X	18.4	18.4	18.4	18.4	18.4
2X	18.4	18.4	18.4	18.4	18.4
3X	18.4	18.4	18.4	18.4	18.4
4X	18.4	18.4	18.4	18.4	18.4
5X	18.4	18.4	18.4	18.4	18.4
6X	18.4	18.4	18.4	18.4	18.4
7X	18.4	18.4	18.4	18.4	18.4
8X	18.4	18.4	18.4	18.2	17.9
9X	13.8	13.8	13.8	13.2	11.0
10X	0.0				

SPEED IN UNIT

ACCUMULATED PERCENT AREA

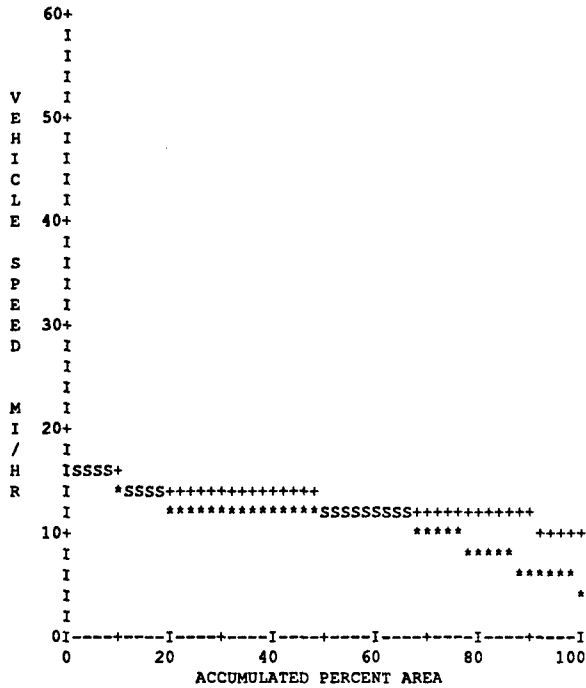
	X=0	2	4	6	8
	18.4	18.4	18.4	18.4	18.4
1X	18.4	18.4	18.4	18.4	18.4
2X	18.4	18.4	18.4	18.4	18.4
3X	18.4	18.4	18.4	18.4	18.4
4X	18.4	18.4	18.4	18.4	18.4
5X	18.4	18.4	18.4	18.4	18.4
6X	18.4	18.4	18.4	18.4	18.4
7X	18.4	18.4	18.4	18.4	18.4
8X	18.4	18.4	18.4	18.4	18.4
9X	18.1	18.1	18.0	17.9	17.7
10X	0.0				

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	60	66.78	18.40	123	78.11	18.40
3 POWER/RES	76	11.75	11.14	0	0.00	0.00
4 CURVATURE	22	1.35	15.93	35	1.76	16.03
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	0	0.00	0.00	0	0.00	0.00
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
TOTAL	158	79.87	17.29	158	79.87	18.34

THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER W/FULL LOAD THE GEOGRAPHIC AREA IS MIDEAST TRAILS  
 THE SEASON IS DRY



ACCUMULATED PERCENT AREA	
X=0	2 4 6 8
15.5	15.5 15.5 15.5 15.0
1X	14.2 13.8 13.8 13.8 13.6
2X	12.6 12.6 12.6 12.5 12.5
3X	12.5 12.5 12.5 12.5 12.5
4X	12.5 12.3 12.3 12.3 11.7
5X	11.3 11.3 11.3 11.3 11.3
6X	11.3 11.3 11.3 11.3 10.9
7X	10.1 9.7 9.3 9.2 8.8
8X	8.5 8.3 8.3 7.4 6.0
9X	5.9 5.9 5.8 5.7 5.5
10X	3.5

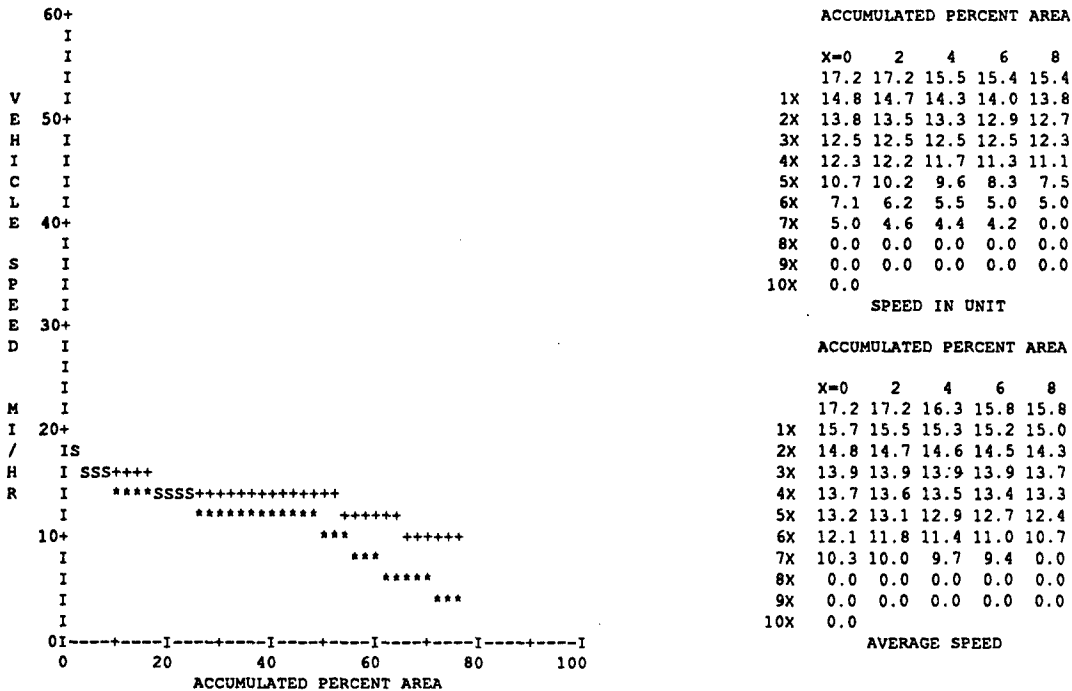
SPEED IN UNIT	
ACCUMULATED PERCENT AREA	
X=0	2 4 6 8
15.5	15.5 15.5 15.5 15.4
1X	15.2 14.7 14.7 14.6 14.4
2X	14.0 14.0 14.0 13.9 13.6
3X	13.6 13.5 13.4 13.4 13.4
4X	13.3 13.2 13.2 13.2 13.1
5X	13.0 13.0 12.9 12.8 12.8
6X	12.6 12.6 12.6 12.6 12.5
7X	12.5 12.3 12.2 12.2 12.1
8X	11.9 11.7 11.7 11.5 11.4
9X	11.1 10.9 10.6 10.5 10.3
10X	10.1

AVERAGE SPEED

THE NOGO PERCENT OF AREA IS- 0.00.

LIMITING FACTOR	UP SLOPE			DOWN SLOPE		
	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED	NO.OF T U'S	FACTOR DIST	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>						
1 POSTED	0	0.00	0.00	0	0.00	0.00
2 TIRE CONST	0	0.00	0.00	0	0.00	0.00
3 POWER/RES	280	28.17	8.74	0	0.00	0.00
4 CURVATURE	44	0.98	7.44	69	1.50	8.65
5 VISIBILITY	0	0.00	0.00	0	0.00	0.00
6 RIDE	71	11.85	12.69	326	39.50	13.67
7 SLIDE	0	0.00	0.00	0	0.00	0.00
8 TIP	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>395</b>	<b>41.00</b>	<b>9.85</b>	<b>395</b>	<b>41.00</b>	<b>13.49</b>

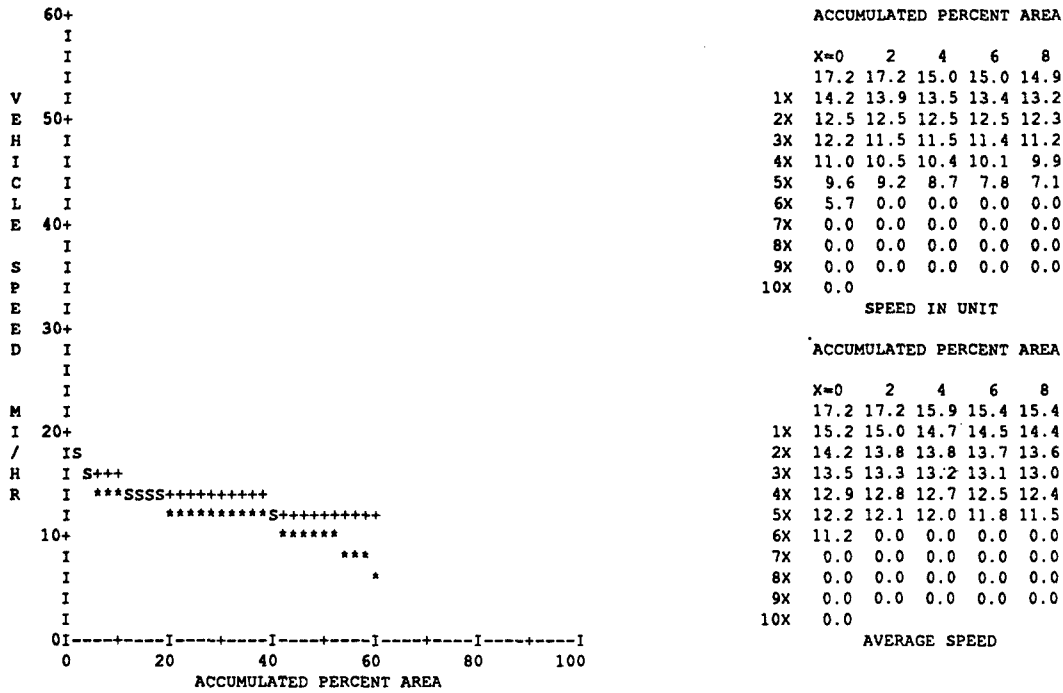
THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER W/FULL LOAD THE GEOGRAPHIC AREA IS TV3254IV  
 THE SEASON IS DRY



THE NOGO PERCENT OF AREA IS-23.79.

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED	NO. OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	164	20.54	12.94	797	57.84	14.04	798	57.86	14.04
2 TIRE CONST	94	5.12	5.05	122	7.29	5.61	122	7.29	5.61
3 POWER/RES	607	37.05	9.49	4	0.07	9.68	3	0.05	11.53
4 VISIBILITY	0	0.00	0.00	5	0.13	14.79	5	0.13	13.88
5 MANEUVER	3	0.02	7.99	0	0.00	0.00	0	0.00	0.00
6 MANEUVER	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
7 OBS IMPACT	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
8 OBS FORCE	285	11.03	5.91	230	8.55	5.54	230	8.55	5.77
9 DRVR PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>1153</b>	<b>73.75</b>	<b>9.61</b>	<b>1158</b>	<b>73.88</b>	<b>12.22</b>	<b>1158</b>	<b>73.88</b>	<b>12.25</b>
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		0	0.00	
-2 SOIL/SLOPE	8	0.46		0	0.00		0	0.00	
-3 OBS INTRF	220	10.83		224	11.21		224	11.21	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	66	4.57		66	4.57		66	4.57	
-6 OBS FORCE	136	7.16		135	7.12		135	7.12	
<b>TOTAL</b>	<b>430</b>	<b>23.03</b>		<b>425</b>	<b>22.90</b>		<b>425</b>	<b>22.90</b>	

THE VEHICLE IS OSHKOSH-PLS W/PLS TRAILER W/FULL LOAD THE GEOGRAPHIC AREA IS MID-EAST SAND OCT 83  
 THE SEASON IS DRY



THE NOGO PERCENT OF AREA IS-39.17.

LIMITING FACTOR	UP SLOPE			LEVEL			DOWN SLOPE		
	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED	NO.OF T U'S	FACTOR AREA	AVERAGE SPEED
<u>GO TERRAIN UNITS</u>									
1 RIDE	112	16.08	12.88	1248	77.42	13.93	808	53.09	13.62
2 TIRE CONST	0	0.00	0.00	5	0.16	18.40	4	0.09	18.40
3 POWER/RES	598	37.49	8.63	0	0.00	0.00	0	0.00	0.00
4 VISIBILITY	8	0.80	14.06	89	4.10	14.15	400	21.25	12.01
5 MANEUVER	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
6 MANEUVER	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
7 OBS IMPACT	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
8 OBS FORCE	118	4.50	6.30	87	3.48	6.32	87	3.48	6.54
9 DRVR PRDNC	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
<b>TOTAL</b>	<b>836</b>	<b>58.87</b>	<b>9.69</b>	<b>1429</b>	<b>85.16</b>	<b>13.64</b>	<b>1299</b>	<b>77.91</b>	<b>12.87</b>
<u>NOGO TERRAIN UNITS</u>									
-1 NO BRAKING	0	0.00		0	0.00		130	7.26	
-2 SOIL/SLOPE	589	25.98		0	0.00		0	0.00	
-3 OBS INTRF	65	4.27		65	4.27		65	4.27	
-4 BELLY HANG	0	0.00		0	0.00		0	0.00	
-5 VEGETATION	29	3.08		29	3.08		29	3.08	
-6 OBS FORCE	64	4.58		60	4.26		60	4.26	
<b>TOTAL</b>	<b>747</b>	<b>37.91</b>		<b>154</b>	<b>11.62</b>		<b>284</b>	<b>18.87</b>	



APPENDIX D  
VEHICLE CHARACTERISTICS



The following is the output of a program which calculates the VCI based on the vehicle NRMM input data.

\*\*\*\*\* VERSION OF 6 MAY 87 \*\*\*\*\*  
 \*\*\*\*\* NRMMVCI \*\*\*\*\* THU, JUL 26 1990 13:31:14

Vehicle - - HEMTT83  
 Number of axles = 4, Gross vehicle weight = 62,250 lbs.  
 Power = 400 hp. Maximum tractive force = 55,029 lbs.

	Tire operation deflection setting for:			
	Off-road	Snow	Highway	Other
VCI- 1 for Fine-Grained soils	= 33.23	31.30	38.45	31.30
VCI-50 for Fine-Grained soils	= 74.08	69.73	85.79	69.73
VCI- 1 for Coarse-Grained soils	= 44.80	37.17	59.08	37.17
VCI- 1 for Organic soils (muskeg)	= 69.53	69.53	69.53	69.53
VCI-50 for Organic soils (muskeg)	= 193.89	193.89	193.89	193.89

\*\*\*\*\* VERSION OF 6 MAY 87 \*\*\*\*\*  
 1 \*\*\*\*\* NRMMVCI \*\*\*\*\* THU, JUL 26 1990 14:01:46

Vehicle - - HEMTT83.IRB  
 Number of axles = 4, Gross vehicle weight = 52,540 lbs.  
 Power = 400 hp. Maximum tractive force = 55,029 lbs.

	Tire operation deflection setting for:			
	Off-road	Snow	Highway	Other
VCI- 1 for Fine-Grained soils	= 28.56	26.89	33.05	26.89
VCI-50 for Fine-Grained soils	= 64.06	60.28	74.29	60.28
VCI- 1 for Coarse-Grained soils	= 38.02	31.56	50.17	31.56
VCI- 1 for Organic soils (muskeg)	= 59.74	59.74	59.74	59.74
VCI-50 for Organic soils (muskeg)	= 163.17	163.17	163.17	163.17

\*\*\*\*\* VERSION OF 6 MAY 87 \*\*\*\*\*  
 1 \*\*\*\*\* NRMMVCI \*\*\*\*\* THU, JUL 26 1990 14:35:32

Vehicle - - HEMTT-W/PLS.TR  
 Number of axles = 7, Gross vehicle weight = 83,922 lbs.  
 Power = 400 hp. Maximum tractive force = 55,029 lbs.

	Tire operation deflection setting for:			
	Off-road	Snow	Highway	Other
VCI- 1 for Fine-Grained soils	= 34.39	33.16	38.02	33.16
VCI-50 for Fine-Grained soils	= 66.54	62.87	76.57	62.87
VCI- 1 for Coarse-Grained soils	= 50.05	43.09	63.23	43.09
VCI- 1 for Organic soils (muskeg)	= 61.74	61.74	61.74	61.74
VCI-50 for Organic soils (muskeg)	= 165.13	165.13	165.13	165.13

\*\*\*\*\* VERSION OF 6 MAY 87 \*\*\*\*\*  
 \*\*\*\*\* N R M M V C I \*\*\*\*\* WED, JUL 25 1990 15:45:21

Vehicle - - HEMTT-HEMAT

Number of axles = 6, Gross vehicle weight = 82,420 lbs.  
 Power = 400 hp. Maximum tractive force = 55,029 lbs.

Tire operation deflection setting for:  
 Off-road      Snow    Highway      Other

VCI- 1 for Fine-Grained soils	=	42.07	40.74	45.68	40.74
VCI-50 for Fine-Grained soils	=	71.94	68.74	81.15	68.74
VCI- 1 for Coarse-Grained soils	=	65.19	58.72	77.27	58.72
VCI- 1 for Organic soils (muskeg)	=	61.65	61.65	61.65	61.65
VCI-50 for Organic soils (muskeg)	=	165.04	165.04	165.04	165.04

\*\*\*\*\* VERSION OF 6 MAY 87 \*\*\*\*\*  
 \*\*\*\*\* N R M M V C I \*\*\*\*\* THU, JUL 26 1990 10:37:56

Vehicle - - PLS-W/PLS.TR-LO

Number of axles = 8, Gross vehicle weight = 98,034 lbs.  
 Power = 500 hp. Maximum tractive force = 67,512 lbs.

Tire operation deflection setting for:  
 Off-road      Snow    Highway      Other

VCI- 1 for Fine-Grained soils	=	31.65	30.62	32.89	30.62
VCI-50 for Fine-Grained soils	=	61.63	58.49	65.26	58.49
VCI- 1 for Coarse-Grained soils	=	43.58	37.05	49.99	37.05
VCI- 1 for Organic soils (muskeg)	=	63.52	63.52	63.52	63.52
VCI-50 for Organic soils (muskeg)	=	170.73	170.73	170.73	170.73

\*\*\*\*\* VERSION OF 6 MAY 87 \*\*\*\*\*  
 1 \*\*\*\*\* N R M M V C I \*\*\*\*\* TUE, AUG 14 1990 14:44:19

Vehicle - - PLS TRUCK WITH IRB PAYLOAD

Number of axles = 5, Gross vehicle weight = 66,675 lbs.  
 Power = 500 hp. Maximum tractive force = 67,512 lbs.

Tire operation deflection setting for:  
 Off-road      Snow    Highway      Other

VCI- 1 for Fine-Grained soils	=	26.42	23.86	28.08	23.86
VCI-50 for Fine-Grained soils	=	59.75	53.94	63.48	53.94
VCI- 1 for Coarse-Grained soils	=	34.24	22.43	40.34	22.43
VCI- 1 for Organic soils (muskeg)	=	61.87	61.87	61.87	61.87
VCI-50 for Organic soils (muskeg)	=	169.46	169.46	169.46	169.46

APPENDIX E

RANK ORDER OF VEHICLES ANALYZED



**RANKING OF IMPROVED RIBBON BRIDGE TRANSPORTER  
MOBILITY ANALYSIS  
(BROKEN DOWN BY SCENARIO)**

The Ranking for mobility is based on the NO-GO value and Mobility Rating Speed.

SYSTEMS	Ranking of IRB Transporter Concepts		RATIONALE FOR RELATIVE RANKING (KEY INFLUENCING FACTORS)	
	EUROPE	Middle East	GOOD ASPECTS OF DESIGN	BAD ASPECTS OF DESIGN
1) PLS W/IRB	%NO-GO DRY 3.7 WET 7.3 SNOW 14.1  MOBILITY RATING SPEED DRY 15.4 WET 14.0 SNOW 14.7	%NO-GO DRY 3.1 SAND 10.6  MOBILITY RATING SPEED DRY 17.2 SAND 16.0	CTIS, low VCI, 10X10 Tractor     HP/TON adequate, Ride quality adequate.	None     None
2) HEMTT W/IRB	%NO-GO DRY 3.9 WET 10.2 SNOW 14.8  MOBILITY RATING SPEED DRY 14.5 WET 12.9 SNOW 13.8	%NO-GO DRY 12.0 SAND 18.3  MOBILITY RATING SPEED DRY 14.1 SAND 13.8	LOW VCI, HP/TON    HP/TON Good	Vehicle overall width of 126" precludes vegetation maneuver. IRB overhang of 60" beyond pintle compromises obstacle negotiation   None

SYSTEMS	Ranking of IRB Transporter Concepts		RATIONALE FOR RELATIVE RANKING (KEY INFLUENCING FACTORS)	
	EUROPE	Middle East	GOOD ASPECTS OF DESIGN	BAD ASPECTS OF DESIGN
3)HEMTT BASELINE	%NO-GO DRY 3.9 WET 21.6 SNOW 14.2  MOBILITY RATING SPEED DRY 14.3 WET 8.0 SNOW 12.6	%NO-GO DRY 12.2 SAND 20.0  MOBILITY RATING SPEED DRY 13.9 SAND 12.8	Combined VCI and HP/TON satisfy Tactical Standard Mobility          HP/TON Good	Lack of Central Tire Inflation System (CTIS) jeopardizes performance of worst case WET-WET season scenario.          Ride quality marginal.
4)PLS W/PLST W/IRB	%NO-GO DRY 15.9 WET 23.6 SNOW 24.8  MOBILITY RATING SPEED DRY 14.3 WET 6.4 SNOW 6.5	%NO-GO DRY 18.2 SAND 29.0  MOBILITY RATING SPEED DRY 16.0 SAND 4.6	CTIS, three axle trailer, low VCI          HP/TON adequate, Ride quality adequate.	IRB extends 31" beyond rear of trailer, compromising obstacle negotiation.

SYSTEMS	Ranking of IRB Transporter Concepts		RATIONALE FOR RELATIVE RANKING (KEY INFLUENCING FACTORS)	
	EUROPE	Middle East	GOOD ASPECTS OF DESIGN	BAD ASPECTS OF DESIGN
5)HEMTT W/PLST W/IRB	%NO-GO DRY 17.5 WET 34.3 SNOW 26.2  MOBILITY RATING SPEED DRY 12.9 WET 2.9 SNOW 5.1	%NO-GO DRY 18.2 SAND 33.9  MOBILITY RATING SPEED DRY 13.2 SAND 3.0	Three axle trailer lightly loaded   HP/TON adequate	IRB extends beyond end of trailer, no CTIS.   Ride quality marginal
6)PLS W/PLST BASELINE	%NO-GO DRY 28.8 WET 64.8 SNOW 37.0  MOBILITY RATING SPEED DRY 4.2 WET 1.1 SNOW 2.5	%NO-GO DRY 23.8 SAND 39.2  MOBILITY RATING SPEED DRY 6.4 SAND 2.2	CTIS, three axle trailer, low VCI, 10X10 tractor   Ride quality adequate	Heavily loaded trailer. No CTIS on trailer   HP/TON low

SYSTEMS	Ranking of IRB Transporter Concepts		RATIONALE FOR RELATIVE RANKING (KEY INFLUENCING FACTORS)	
	EUROPE	Middle East	GOOD ASPECTS OF DESIGN	BAD ASPECTS OF DESIGN
7)HEMTT W/HEMAT BASELINE	%NO-GO DRY 16.0 WET 58.9 SNOW 25.6  MOBILITY RATING SPEED DRY 12.8 WET 1.3 SNOW 5.0	%NO-GO DRY 16.0 SAND 33.8  MOBILITY RATING SPEED DRY 13.0 SAND 3.0	Good geometry, few obstacle interferences         HP/TON adequate	Excessive VCI, No CTIS, two axle trailer. Does not meet Tactical Standard Mobility         Ride quality marginal, excessive NO-GO's.

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