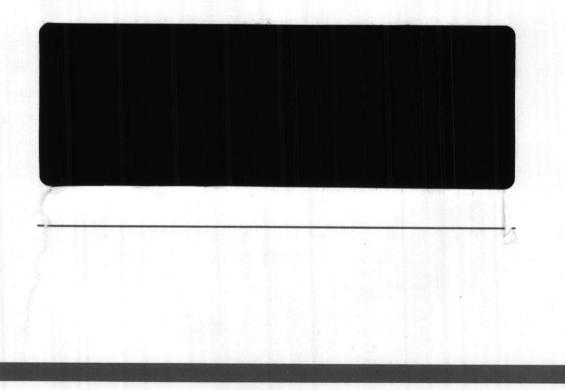
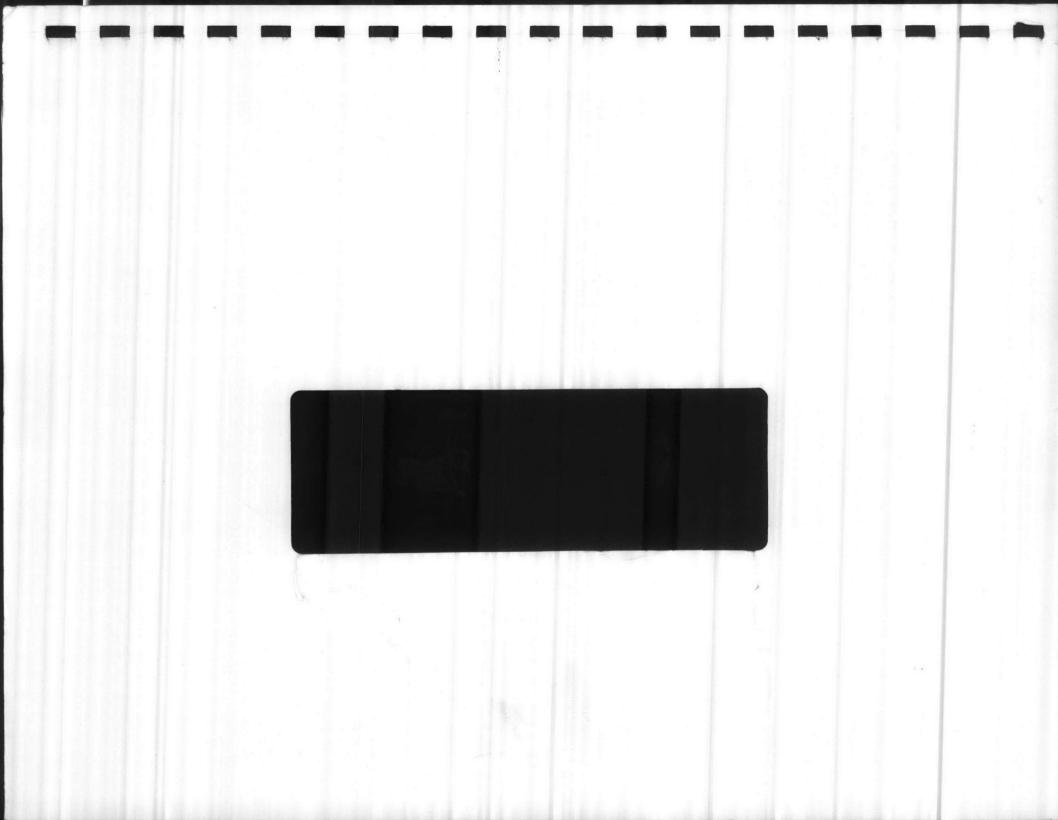


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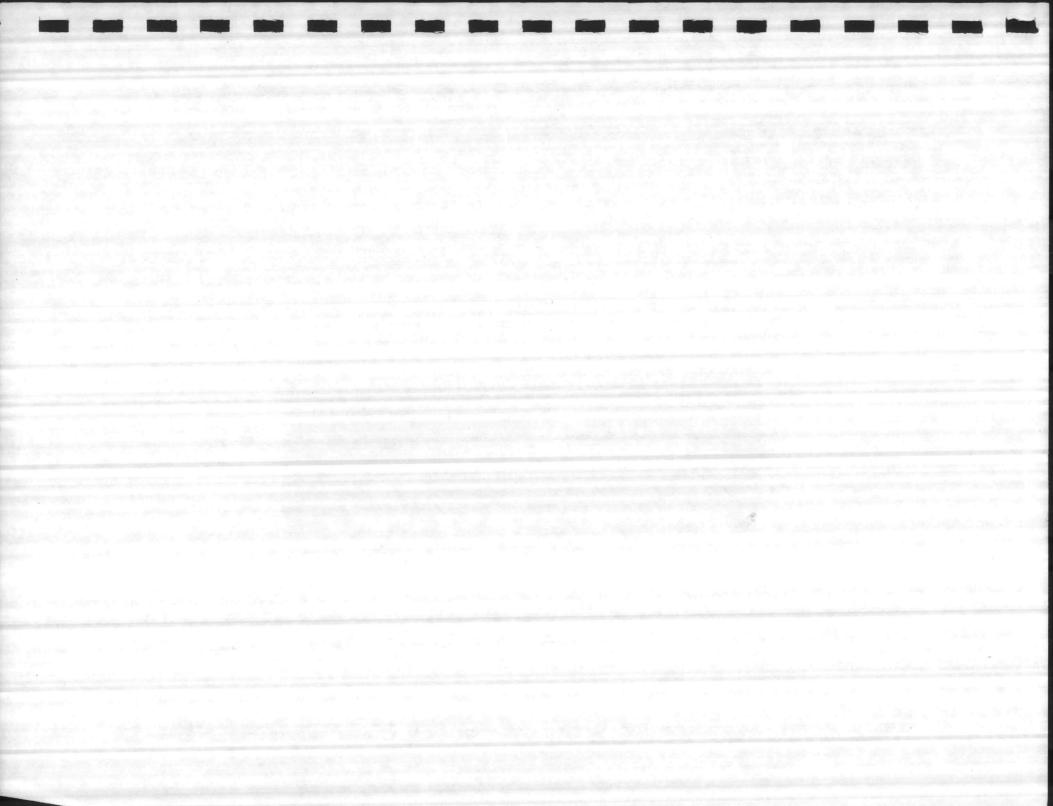


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LATAR STUDY (PHASE I - PROBLEM DEFINITION) MARINE CORPS LIVE FIRE RANGE AND MANEUVER AREA RESOURCES VOLUME 2 - MCB, CAMP LEJEUNE, NC/ MCAS, NEW RIVER, NC PART I, SECTION 1

SEPTEMBER 30, 1987

BDM/NOR-87-0949-TR



FOREWORD

This document was prepared by The BDM Corporation with the concurrence of the Land and Training Area Requirements (LATAR) Study Sponsor and Study Project Officer (SPO) in response to guidance provided at the LATAR Study In-Process Review II for Delivery Order 0010 under Indefinite Quantities Contract (IQC) M00027-84-D-0031.

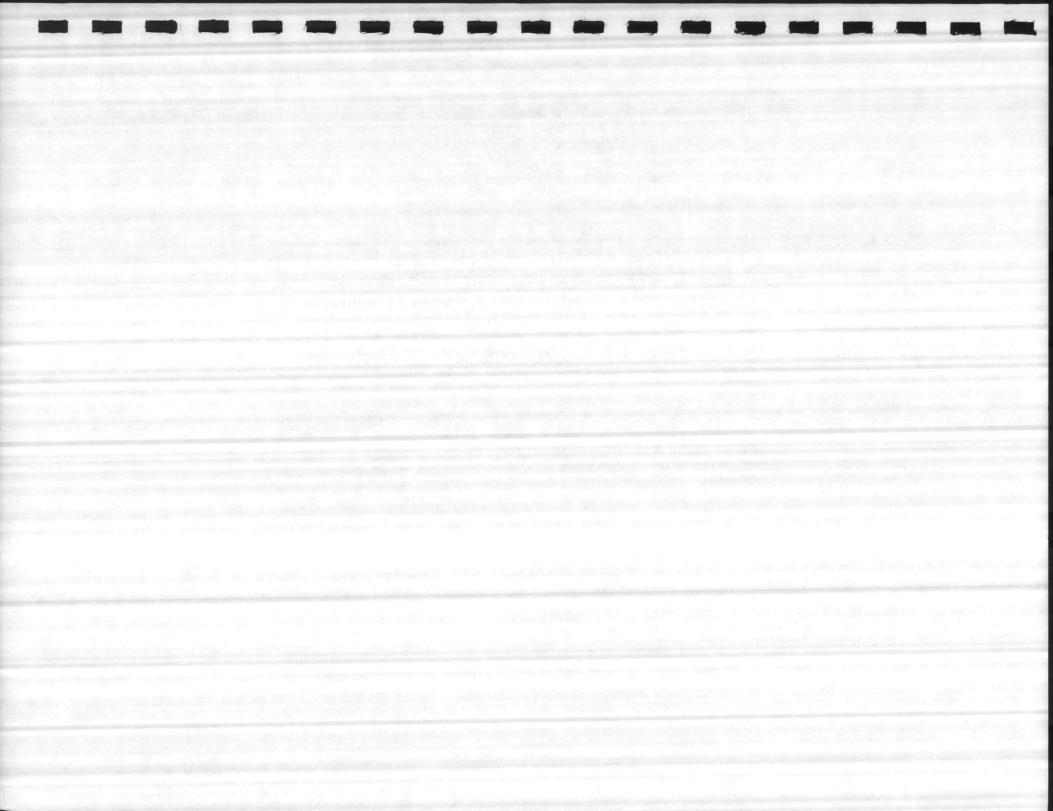
This document is made up of 10 volumes, each volume containing the Marine Corps live fire range and maneuver area training resources located at a particular Marine Corps Base or Marine Corps Air Station addressed in the Study. Also contained herein are the Inter-Service/Inter-Agency Support Agreements (Formal and Informal) in effect at each of these facilities. The information presented in this document was obtained during a comprehensive data collection effort from each of the Marine Corps Bases and Stations listed.

This document presents the live fire range, maneuver area, and Inter-Service/Inter-Agency Support Agreements information for each base and station separately. For each Base or Station, the information is presented in three parts: Part I - Live Fire Range and Training Resources, Part II - Unit Training and Manuever Area Resources, and Part III-Inter-Service/Inter-Agency Support Agreements.

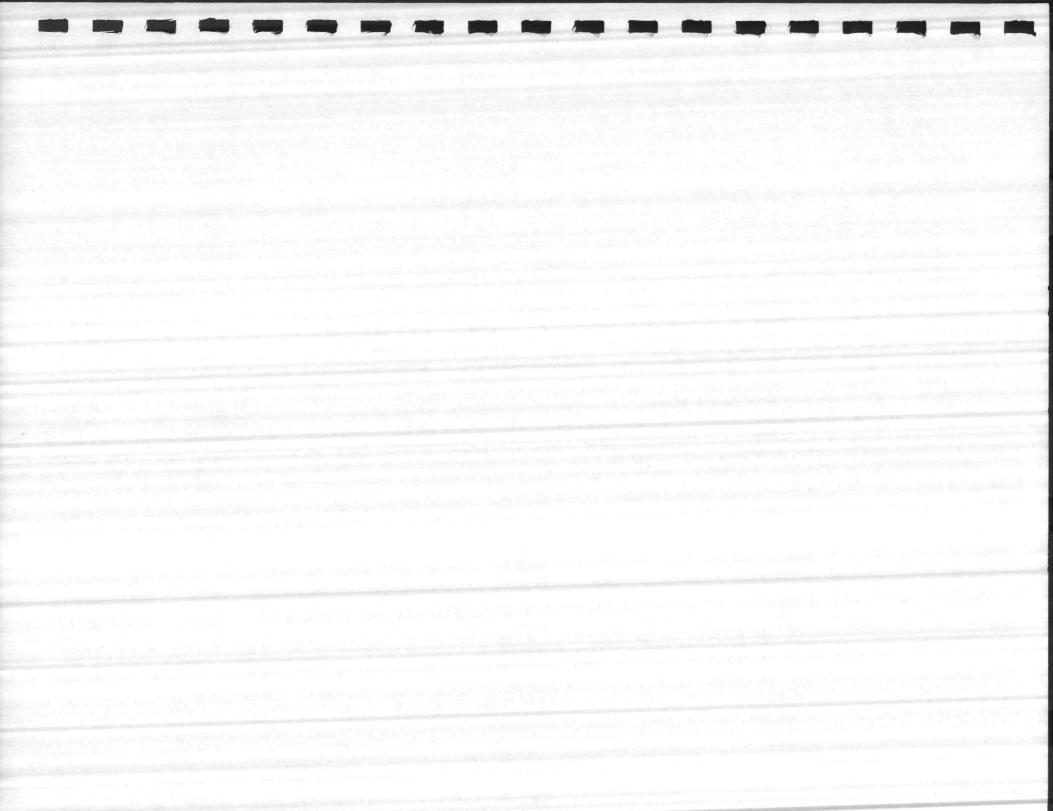
This document is submitted for review and validation by Headquarters, U.S. Marine Corps and the respective Marine Corps Bases and Air Stations. Once validated, this data will be used for the feasibility analysis to identify shortfalls between live fire ranges and maneuver area resources and training requirements.

The volumes in this document are:

Hq FMFLANT, Camp Elmore, VA
 MCB, Camp Lejeune, NC/MCAS, New River, NC
 MCAS, Cherry Point, NC
 MCAS, Beaufort, NC/MCRD, Parris Island, SC
 MCB, Camp Pendleton, CA
 MCAS, El Toro, CA/MCAS, Tustin, CA
 MCB, Twenty-Nine Palms, CA
 Hq FMFPAC, Camp H.M. Smith, HI
 MCAS, Kaneohe, HI



PART I, SECTION 1 LIVE FIRE RANGE AND TRAINING RESOURCES (LFRTS-P)



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

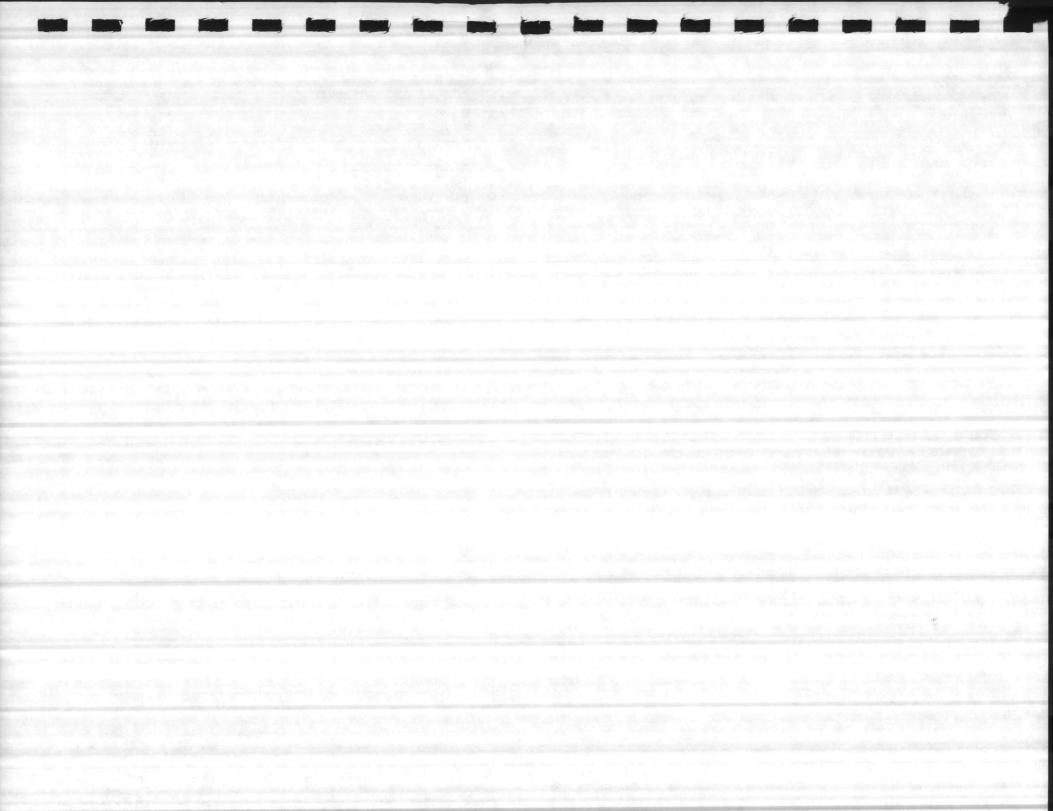
RANGE NAME AND LOCATION: A-1 Pistol/Shotgun Range, MCB, Camp Lejeune, NC Pistol/Shotgun Range INSTRUCTIONS:

-- One form for each range/facility/simulator

-- Fill in data elements as appropriate -- Use right column for new or improved ranges needed

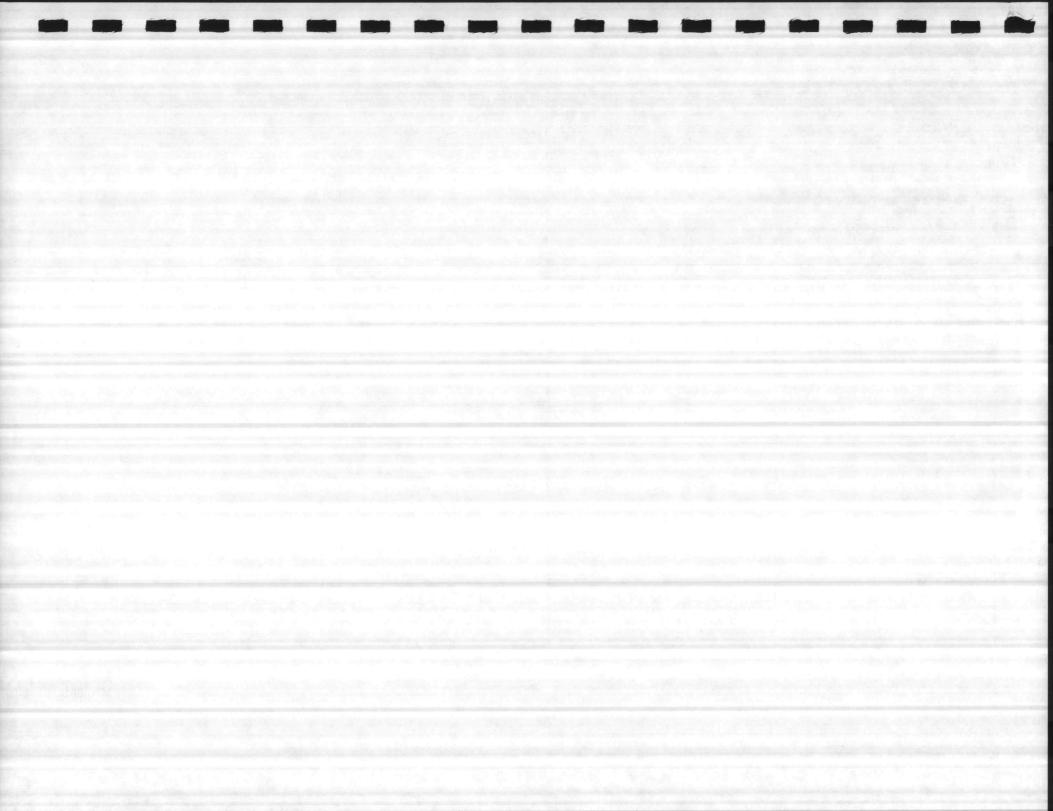
TY PE	RANGE FACILITY:
X	Live-Fire Full Caliber
	Live-Fire Subcaliber
10.000	Simulator
PROF. LANS	Maneuver Area
	Associated Air Space
	Other

PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
1.7 X 1.25		
2700 MILS/152 degrees		
To 17,999 ft; 399 sq km		
172790443		
NA		•
10	` <u>`</u>	
x x		
	 1.7 X 1.25 2700 MILS/152 degrees To 17,999 ft; 399 sq km TP790443 	1.7 X 1.25 2700 MILS/152 degrees To 17,999 ft; 399 sq km TP790443 NA 10



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site Other	and the shift of the second second second second second second		
Pelemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Farget Types Pop-up Stationary Moving Revolving Other			
Are There Associated Simulation Devices? Yes, No, NA	Undefined		

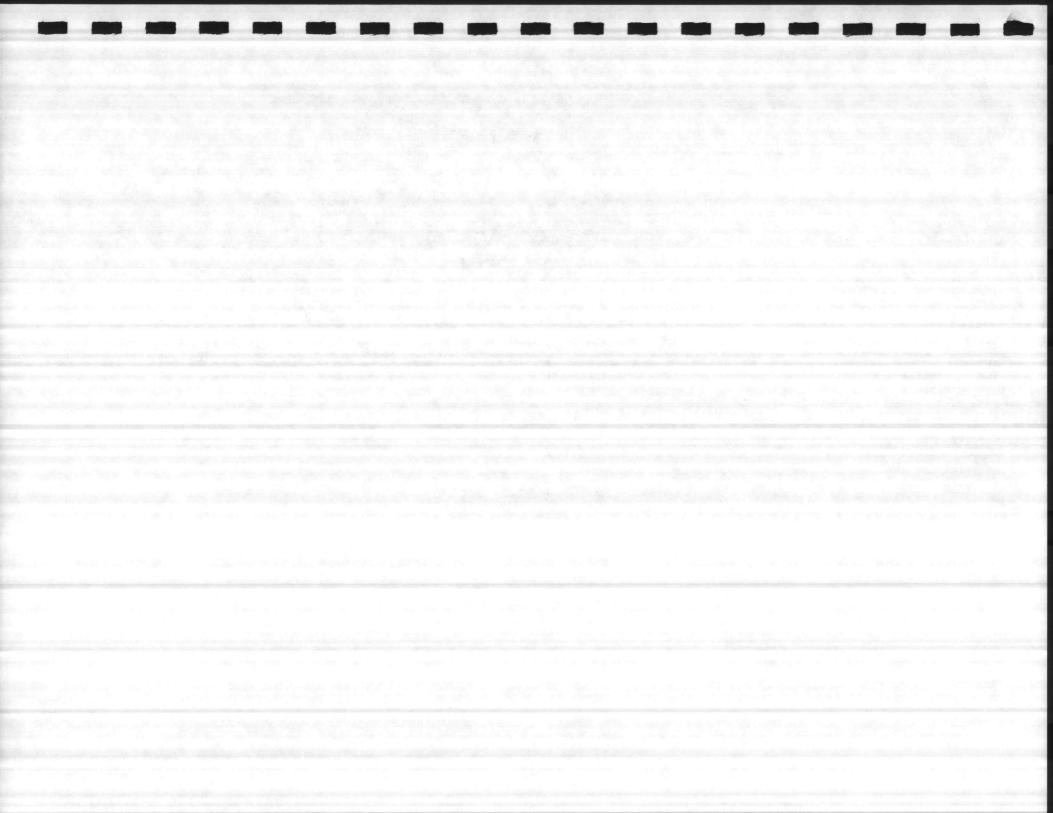
AT.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	.22-cal, .38-cal, .45-cal, 9-mm, shotgun		
		• • • • • • • •	
Climate Seasonal Tropic Temperate Arctic Desert All-Weather (Indoor) Other	in a strand of	NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	100	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	100 	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010004 PAGE 3 OF 6 DATE: DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

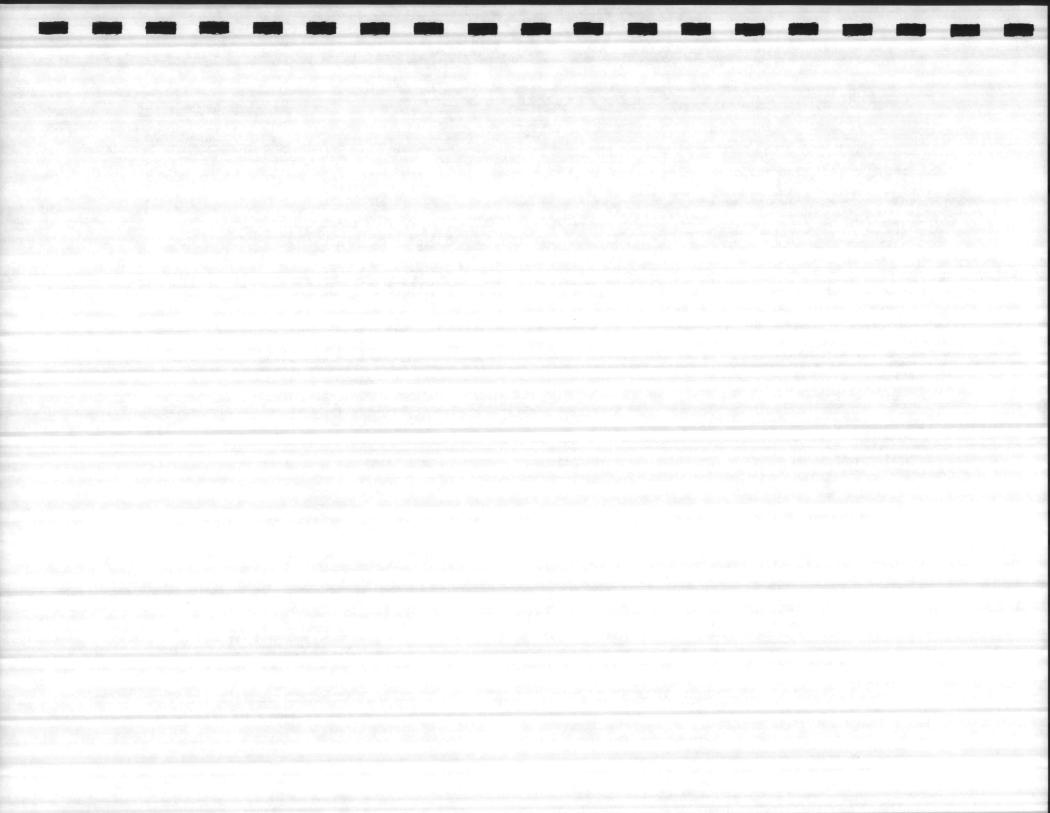


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy			
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas			
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	12		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate			· · ·
Number of Days per Year the Range/Facility is Available	350		
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

FILE NAME: LP010004 PAGE 4 OF 6 DATE: 0

DATE: 03/05/87 RANGE/FACIL

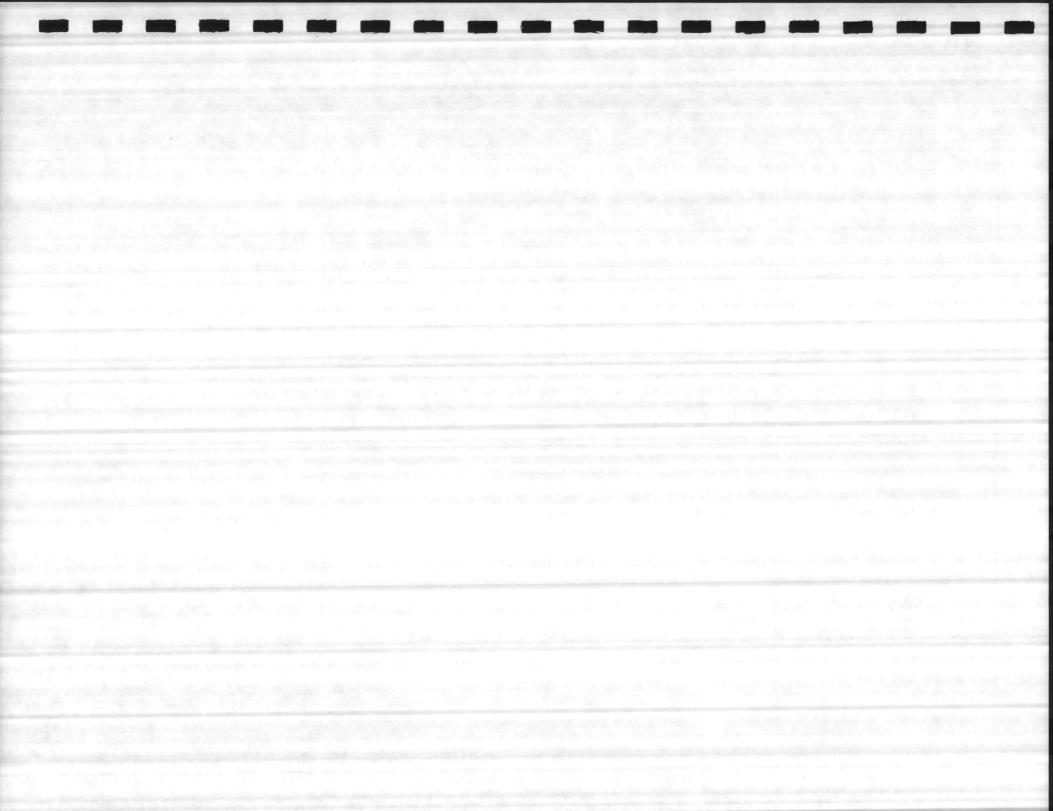
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



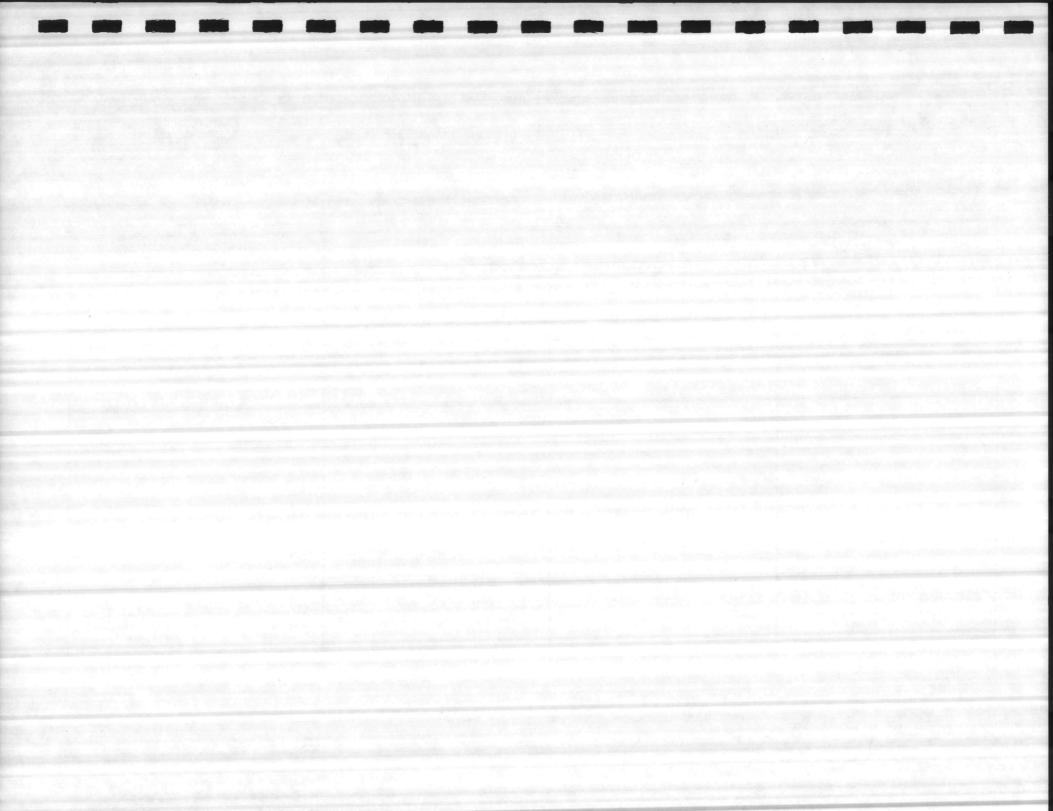
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total. Maintenance. Weather. Budget. Fire Condition/Weather. Weekends/Holidays. Other.	15 15	0	0 ,
Other Ranges Which Must Be Closed When This Range is in Use	NA		
	Yes MCAS notify Blackburn (Range Control)		
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	NA		

FILE NAME: LP010004 PAGE 5 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS
	 NA		
Environmental	and the state of the second		a second
AICUZ			
FAANoise		a na manana na manana kana na manana kana k	
Gas/Chemical	Charles and the second state of the second	When the standards of an the second standards and	
Pyrotechnics/Flare	the second s		
Time of Day			
Time of Year		the second state of the se	
Other		and the second se	
See Shares the first sec.			
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	and the second second second second		
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		에 여행하는 것은 것이 같은 눈물을 들었다. 것을	
			비행 성격은 것 같은 것 같은 것 같이 많이 많이 있다. 것은 것 같은 것은 것 같은 것 같은 것 같은 것 같은 것 같은 것
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			-
LE NAME: LP010004 GE 6 OF 6 DATE: 03/05/87	RANGE/FACILITY MANAGER: D.		LFRTS-P-00



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

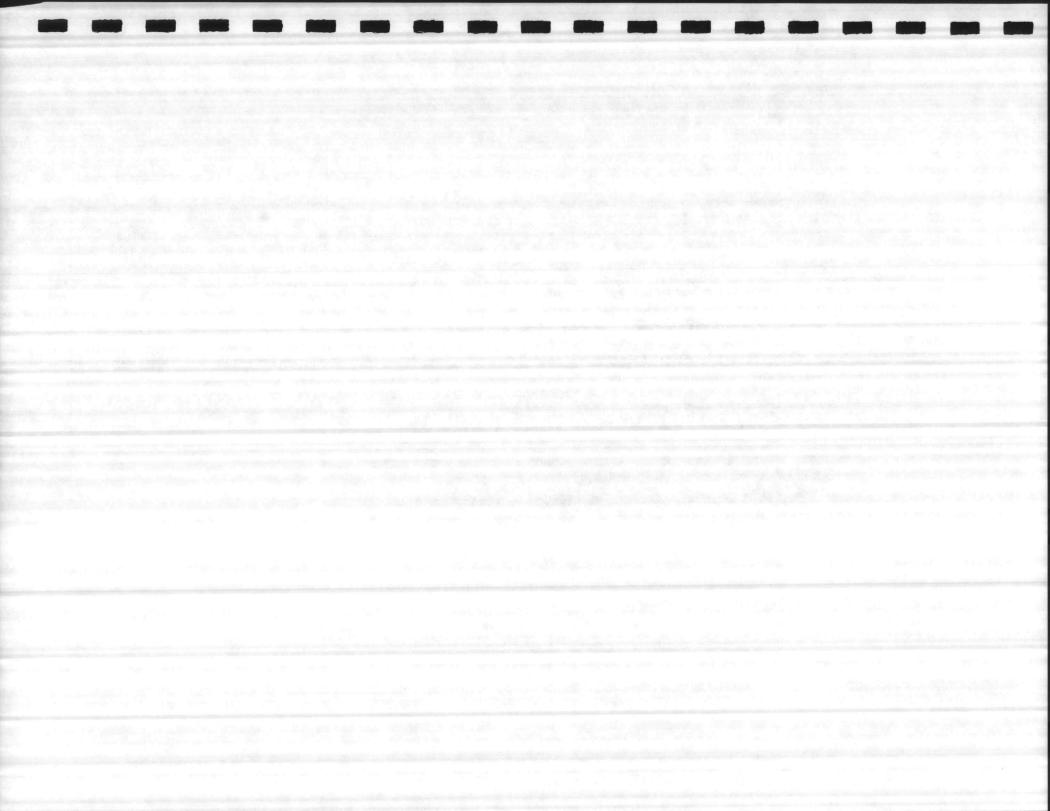
RANGE NAME AND LOCATION: B-12 Pistol/Shotgun Range, MCB, Camp Lejeune, NC Pistol/Shotgun Range INSTRUCTIONS:

-- One form for each range/facility/simulator -- Fill in data elements as appropriate

-- Use right column for new or improved ranges needed

TY PE	RANGE FACILITY:	
х	Live-Fire Full Caliber	
Service in	Live-Fire Subcaliber	
NRa MER	Simulator	
10.00	Maneuver Area	
1.00	Associated Air Space	
	Other	

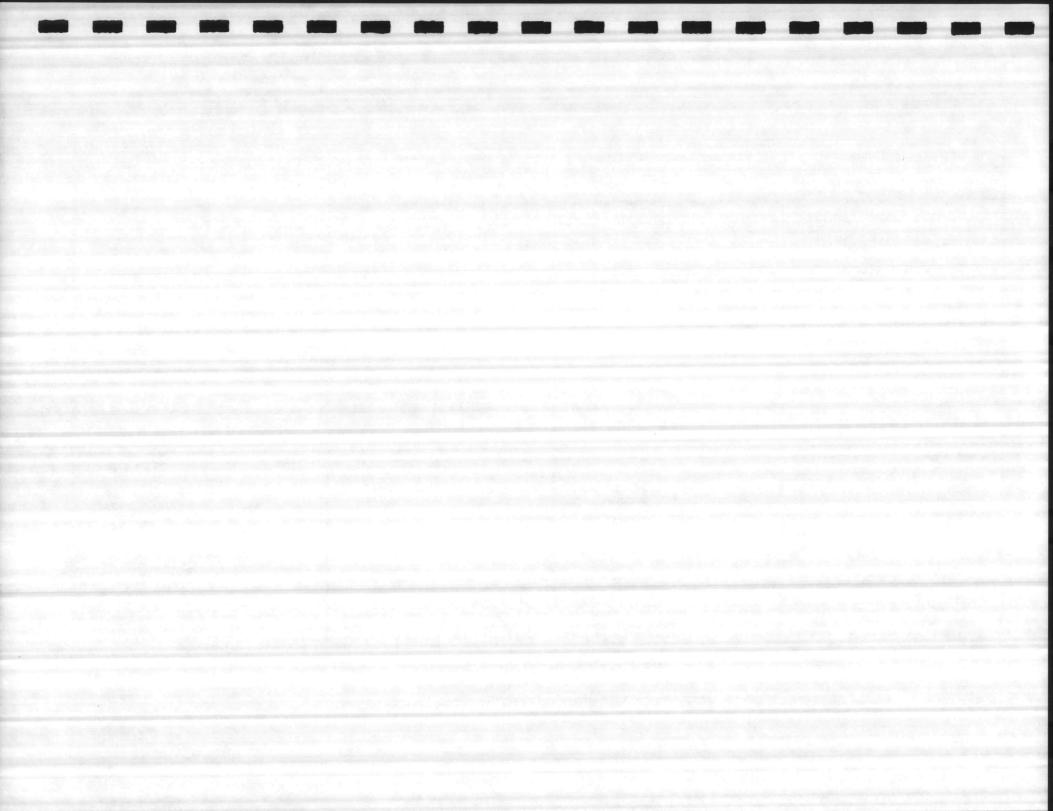
PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
1.55 X 1.1		
3022 MILS/170 degrees		
To 17,999 ft; 399 sq km		
TP743449		and the second
NA		,
10	· · · · · · · · · · · · · · · · · · ·	-
 x x		-
	1.55 X 1.1 3022 MILS/170 degrees To 17,999 ft; 399 sq km TP743449 NA	PRESENT CHARACTERISTICS (INCLUDE YEAR) 1.55 X 1.1 3022 MILS/170 degrees To 17,999 ft; 399 sq km TP743449 NA



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site Other	x x	• •	
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Moving Revolving	X		•
Are There Associated Simulation Devices? Yes, No, NA	NA		

FILE NAME: LP010005 PAGE 2 OF 6 DATE: 03/05/87

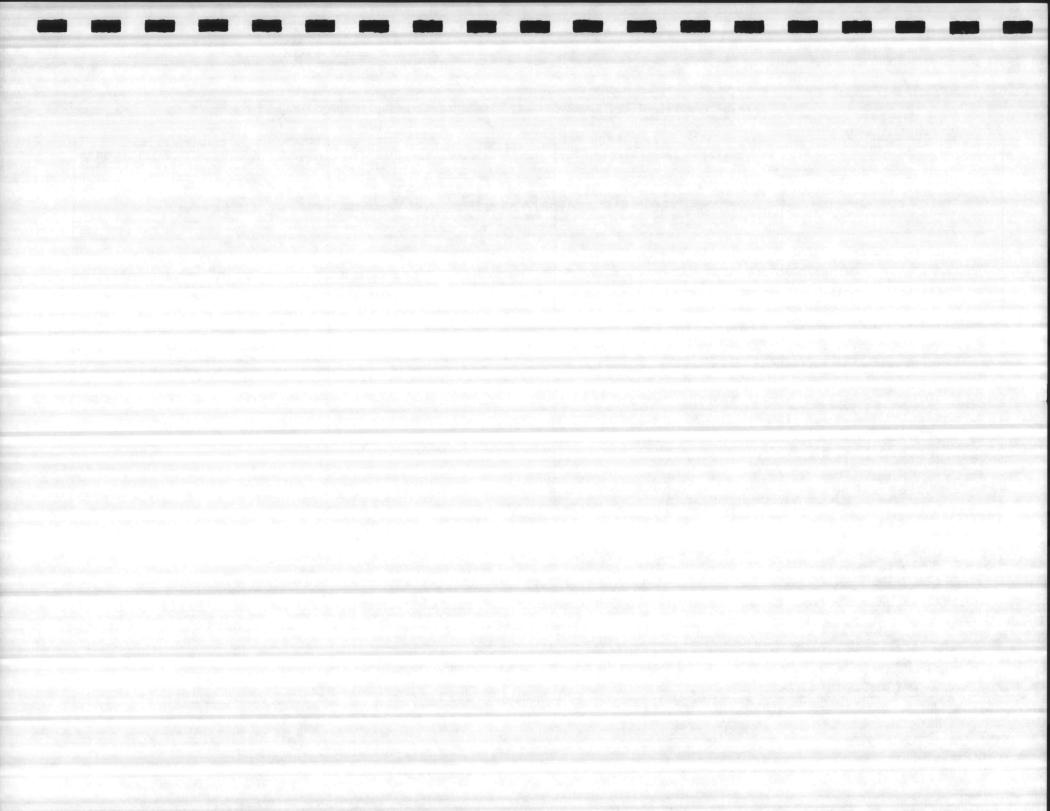
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	.22-cal, .38-cal, .45-cal, 9-mm, shotgun		
Climate Seasonal	 x		
Tropic. Temperate. Arctic. Desert. All-Weather (Indoor) Other.		NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous			
Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	100	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh	75 25	NOT APPLICABLE	NOT APPLICABLE
Percentage Swamp/Marsh Percentage Loamy Percentage Other			

FILE NAME: LP010005 PAGE 3 OF 6 DATE: 03/05/87

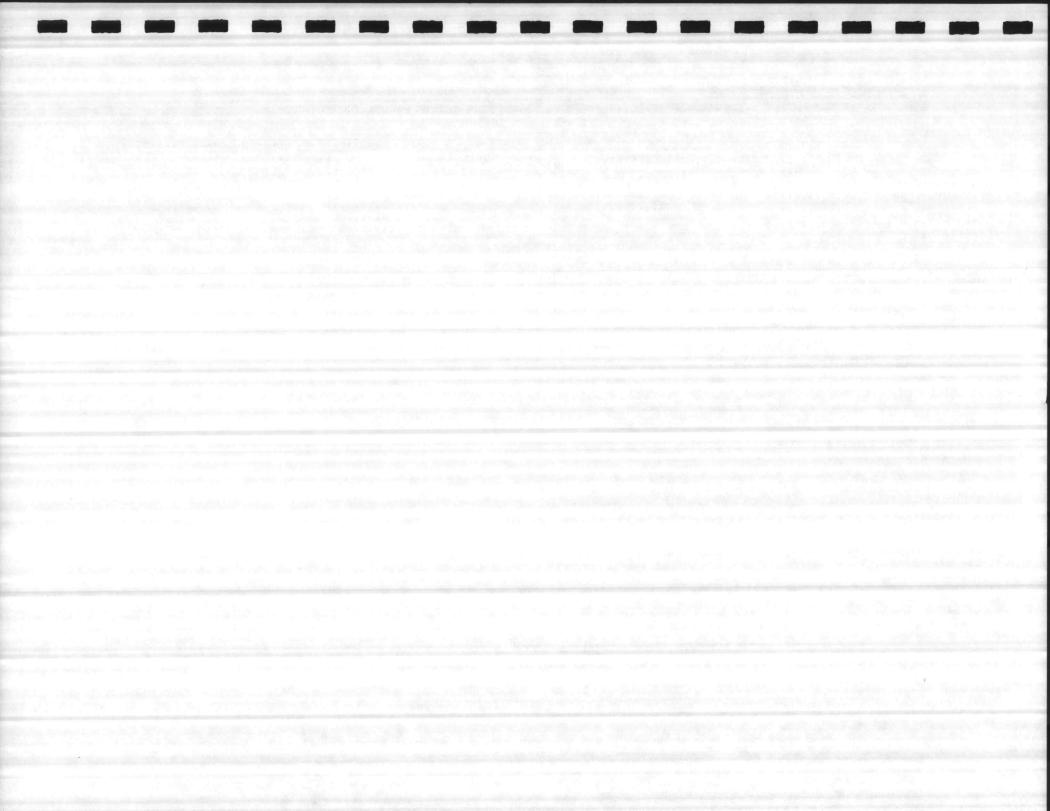
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100	· · · · · · · · · · · · · · · · · · ·	
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	23		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	70		•
Number of Days per Year the Range/Facility is Available	355		
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

FILE NAME: LP010005 PAGE 4 OF 6 DATE: 03/05/87

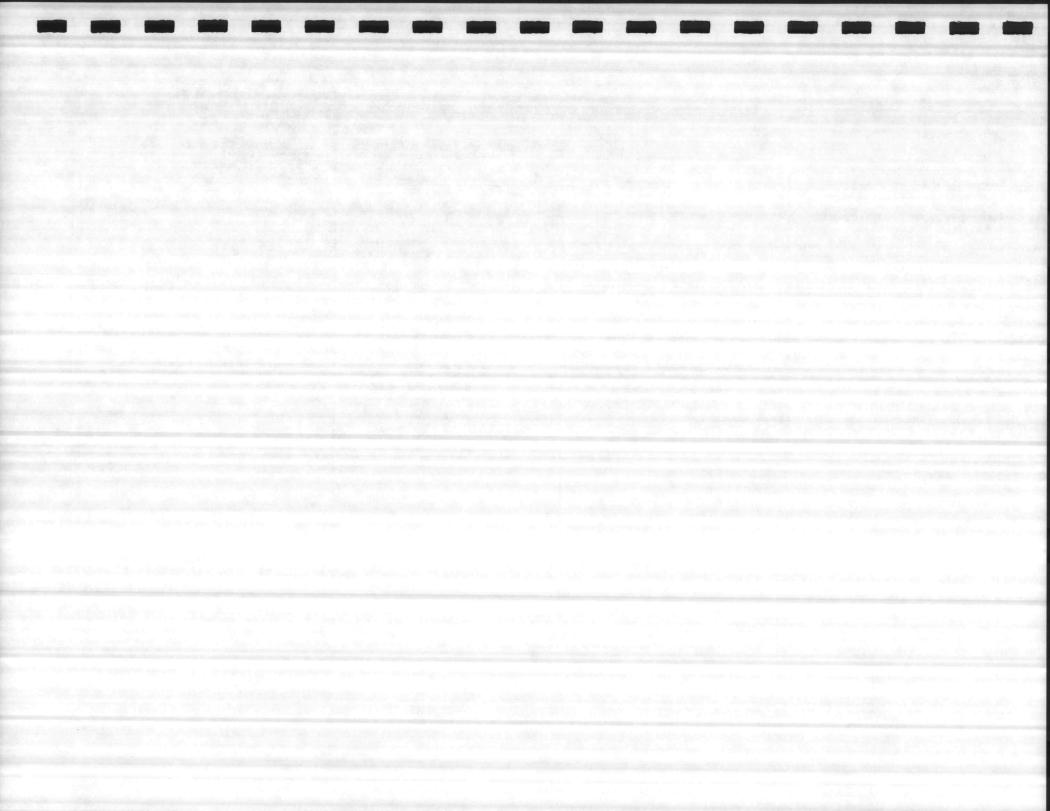
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other		0	0
Other Ranges Which Must Be Closed When This Range is in Use	NA		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes Road blocked		· · ·
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	NA		

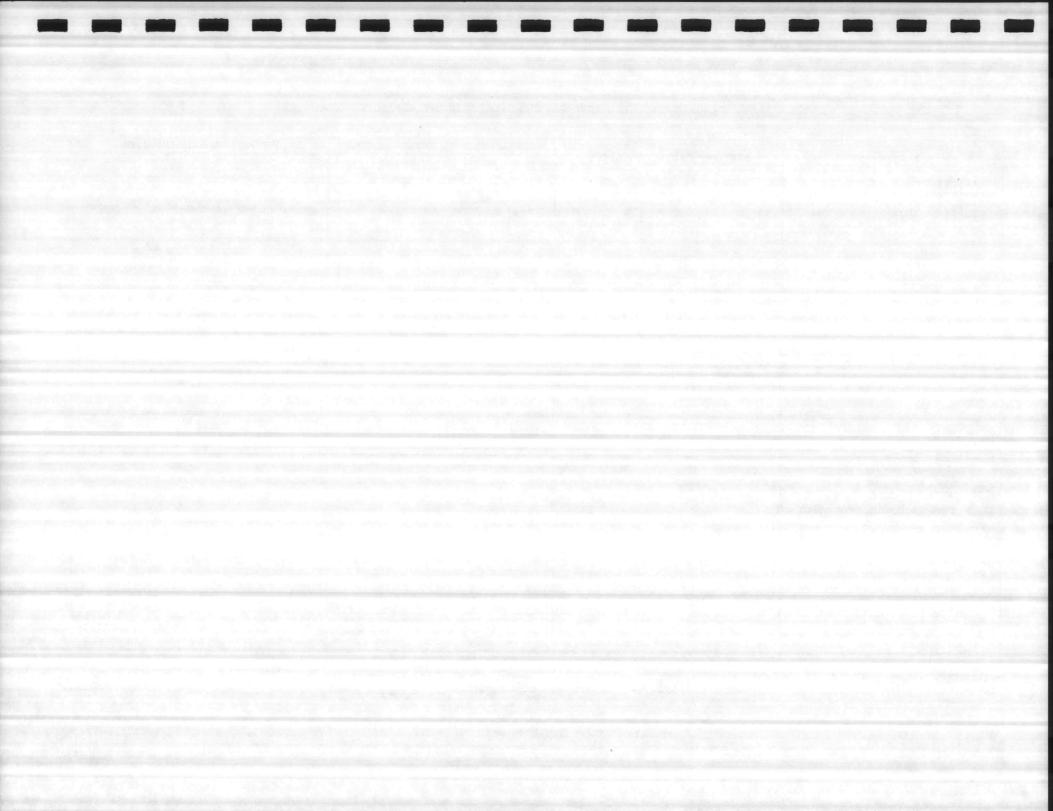
FILE NAME: LP010005 PAGE 5 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
estrictions on Range Use Environmental AICUZ FAA Noise	NA		
Gas/Chemical Pyrotechnics/Flare Time of Day Time of Year Other			
		-	

200



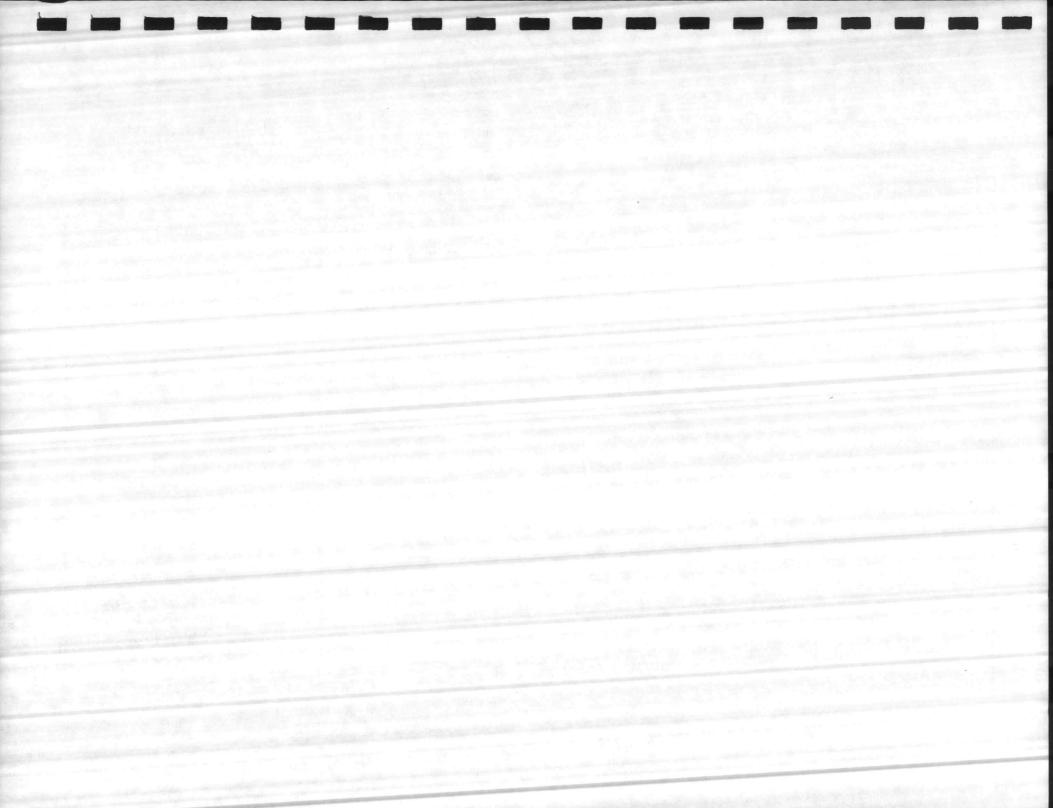
SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

RANGE NAME AND LOCATION: B-14 Assault of Fortified Position, MCB, Camp Lejeune, NC Assault of Fortified Position INSTRUCTIONS:

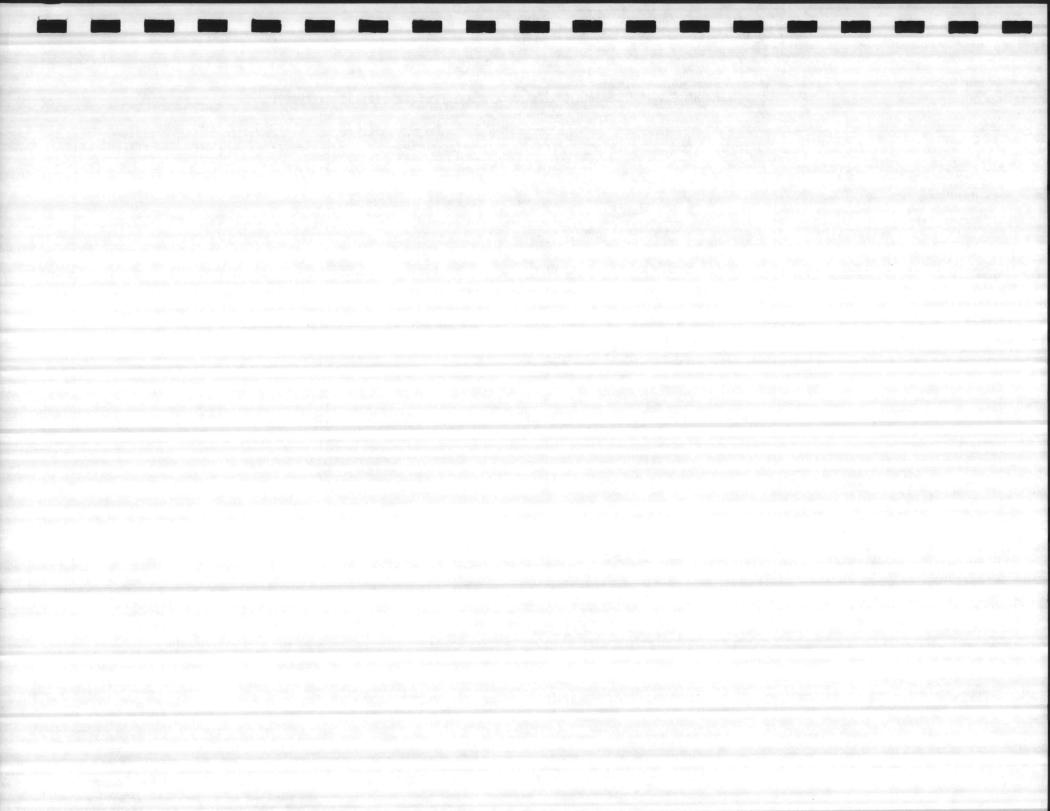
-- One form for each range/facility/simulator -- Fill in data elements as appropriate -- Use right column for new or improved ranges needed

TY PE	RANGE FACILITY:
	Live-Fire Full Caliber
	Live-Fire Subcaliber
x	Simulator, Blanks Maneuver Area
100 C	Associated Air Space
X	Demolition

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km)	1.6 X 1.18		
Primary Direction of Fire	0885 MILS/50 degrees		
Associated Air Space	To 17,999 ft; 399 sq km		
Coordinates	TP7 34 4 2 5		
Safety Buffer Rear (km) Sides (km) Altitude (ft)	80 m		
Number of Firing Points/ Stations	14		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area.			
FILE NAME: LP010006 PAGE 1 OF 6 DATE: 03/05/87	RANGE/FACILITY MANAGER: D.	J. Hashagen, Sr.	- LFRTS-P-00



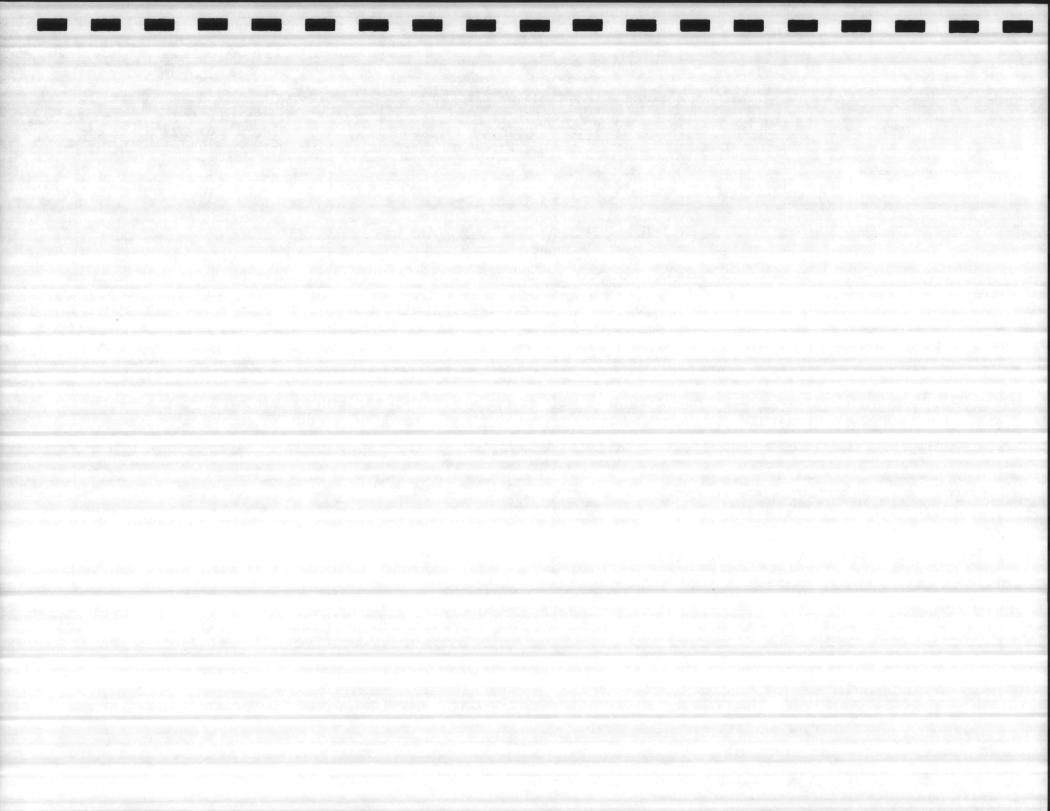
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site Other	X		
Celemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Farget Types Pop-up Stationary Moving Revolving Other	x		· · · · · · · · · · · · · · · · · · ·
Are There Associated Simulation Devices? Yes, No, NA	NA		
LLE NAME: LP010006		 	I



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range	M16 blanks, M60 blanks, SAW blanks, M73 LAW, 1/4-lb demolitions		
Climate Seasonal Tropic Temperate Arctic. Desert. All-Weather (Indoor) Other.	X	NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling		-	
Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water		NOT AFPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	170	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010006 PAGE 3 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

RANGE NAME AND LOCATION: D-29 Rifle/Pistol/Shotgun Range, MCB, Camp Lejeune, NC Rifle/Pistol/Shotgun Range INSTRUCTIONS:

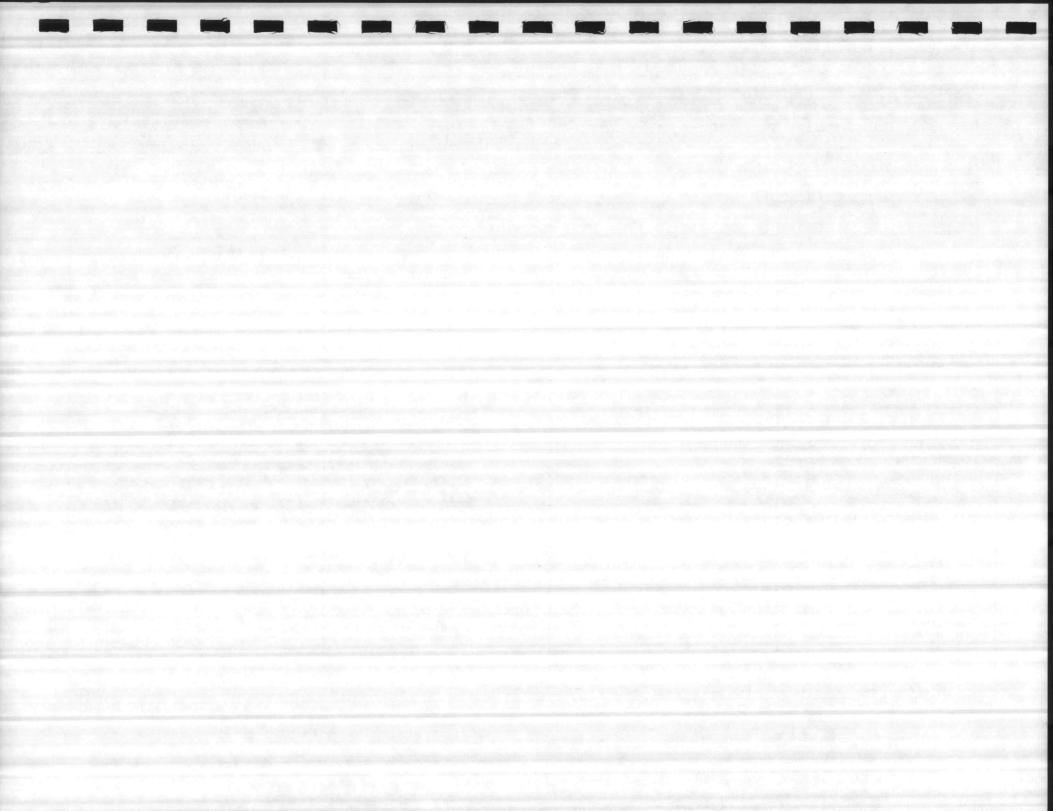
-- One form for each range/facility/simulator

-- Fill in data elements as appropriate

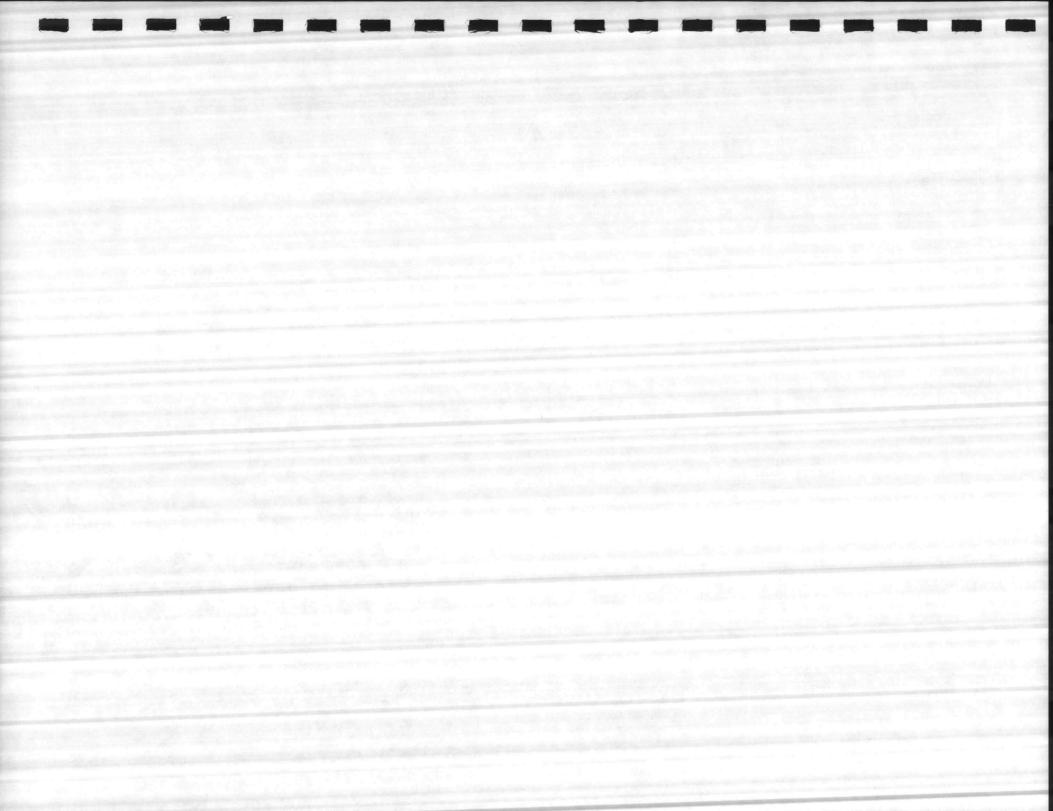
-- Use right column for new or improved ranges needed

TYPE	RANGE FACILITY:
	Live-Fire Full Caliber
X	Live-Fire Subcaliber
	Simulator
No.	Maneuver Area
191	Associated Air Space
	Other

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Range Shape and Dimensions Dimensions (km)	3.5 X 1.1		
Primary Direction of Fire	4347 MILS/245 degrees		
Associated Air Space	To 17,999 ft; 399 sq km		
Coordinates	TP839381		
Safety Buffer Rear (km) Sides (km) Altitude (ft)	NA		•
	56 rifle 16 pistol		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area	x x		



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site Other	x x		
Telemetry Instrumentation Scoring. Reconstruction Air Launch Parameters Other	NA		
Farget Types Pop-up Stationary Moving Revolving Other			•
Are There Associated Simulation Devices? Yes, No, NA	NA		



PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
.22-cal, .38-cal, .45-cal, 9-mm, shotgun, M16		
x	NOT APPLICABLE	NOT APPLICABLE
100	NOT APPLICABLE	NOT APPLICABLE
100	NOT APPLICABLE	NOT APPLICABLE
		PRESENT CHARACTERISTICS (INCLUDE YEAR) .22-cal, .38-cal, .45-cal, 9-mm, shotgun, M16

FILE NAME: LP010007 PAGE 3 OF 6 DATE: 03/05/87

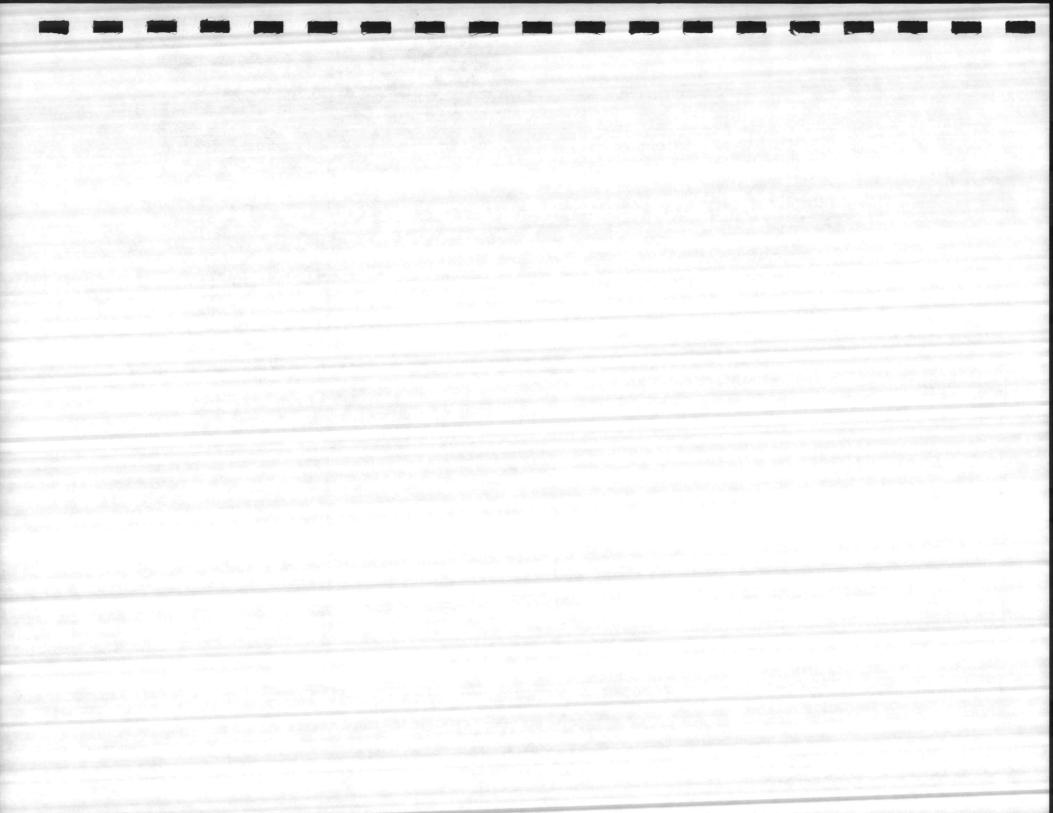
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

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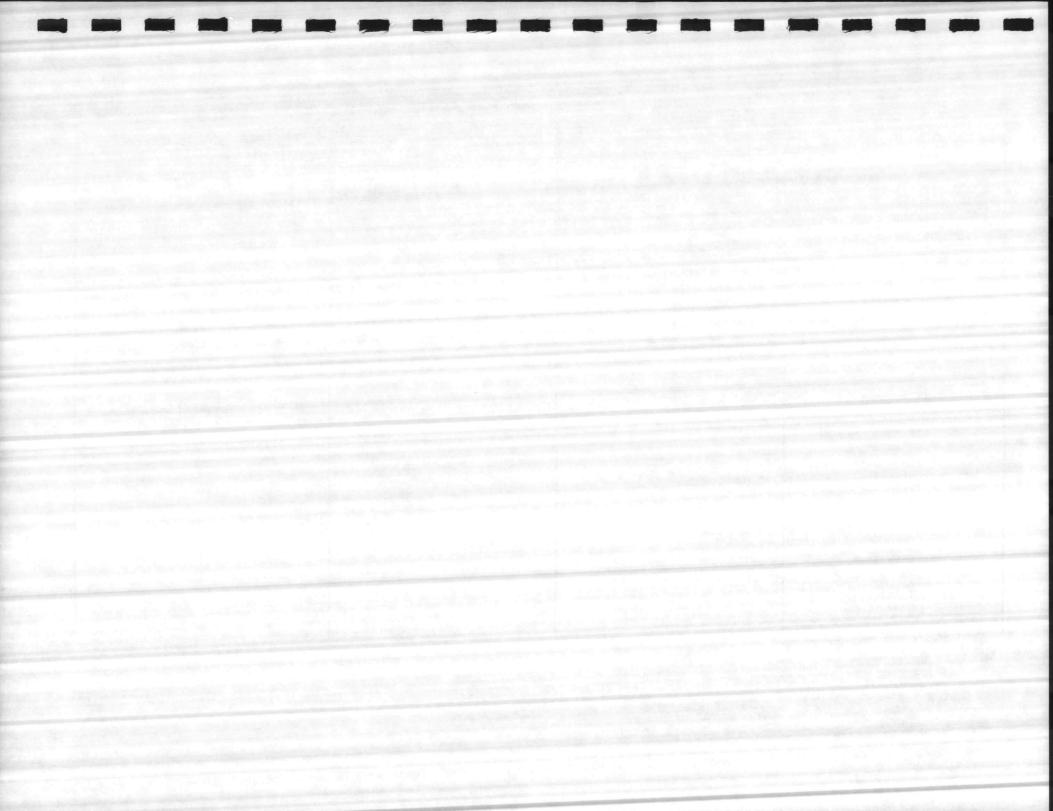
sr._____



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	4		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	P-110, R-250		•
Number of Days per Year the Range/Facility is Available	350		
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

FILE NAME: LP010007 PAGE 4 OF 6 DATE: 03/05/87

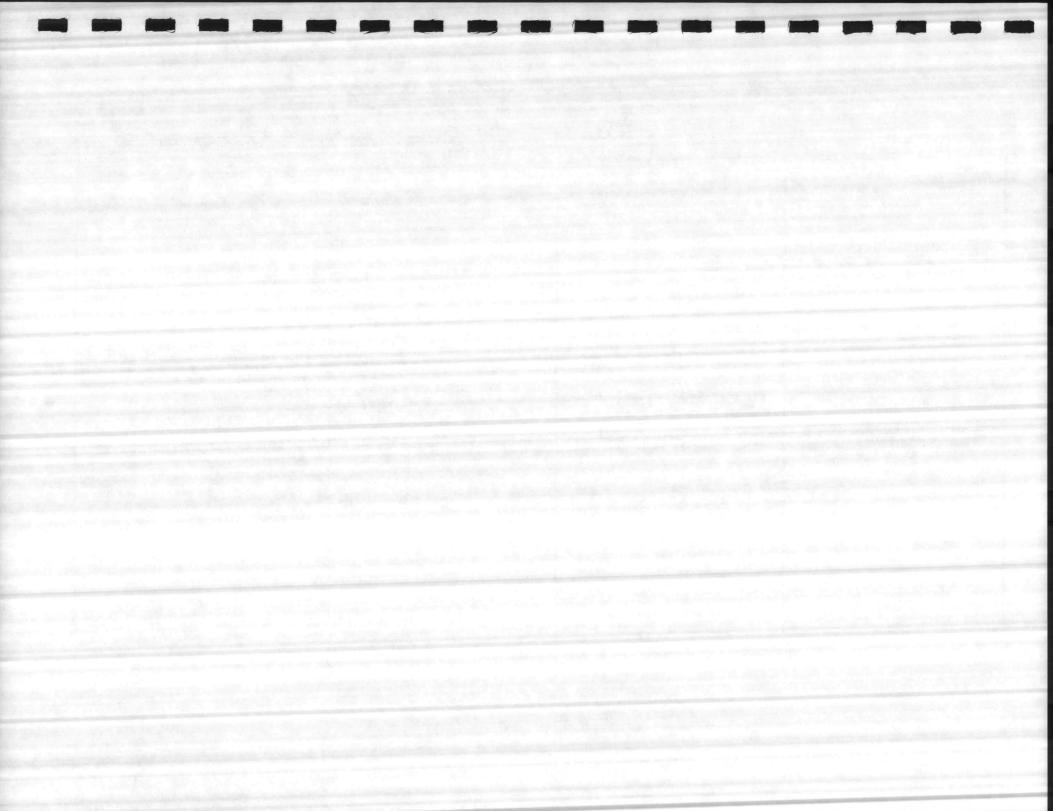
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total	15 15 	0	0
Other Ranges Which Must Be Closed When This Range is in Use	NA		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes Water traffic		·
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	Yes Range guard to watch water		

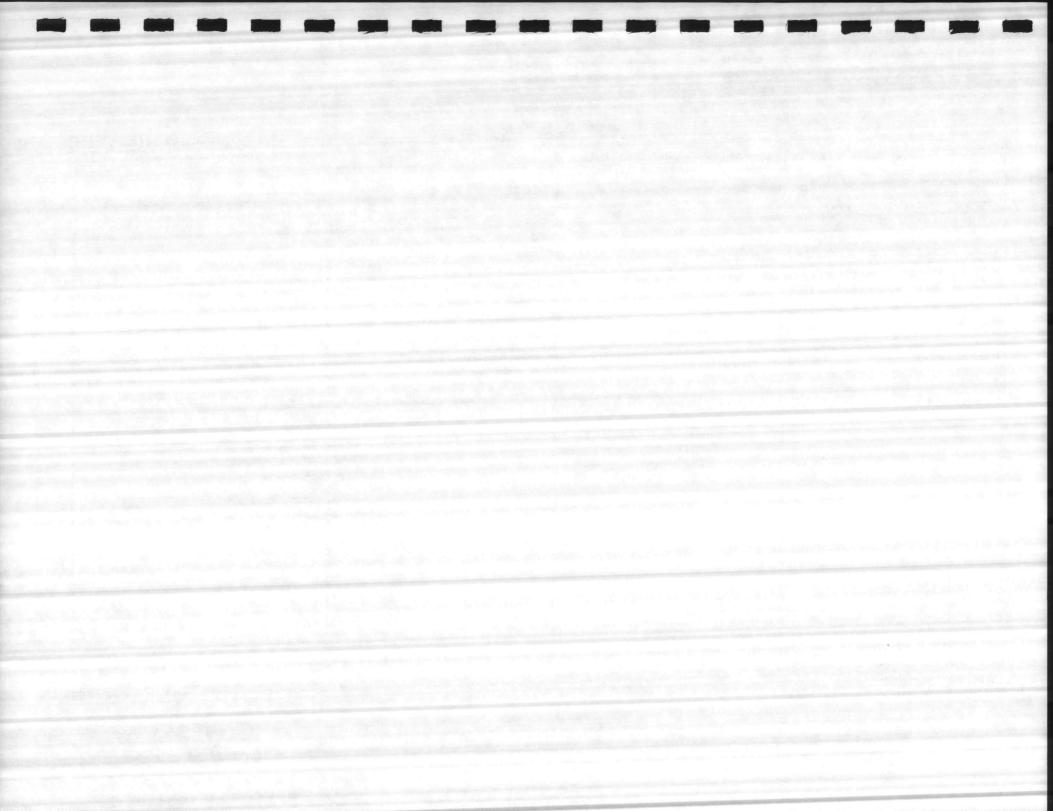
FILE NAME: LP010007 PAGE 5 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
NA		
	-	
	NA	PRESENT CHARACTERISTICS (INCLUDE YEAR) NA

1.



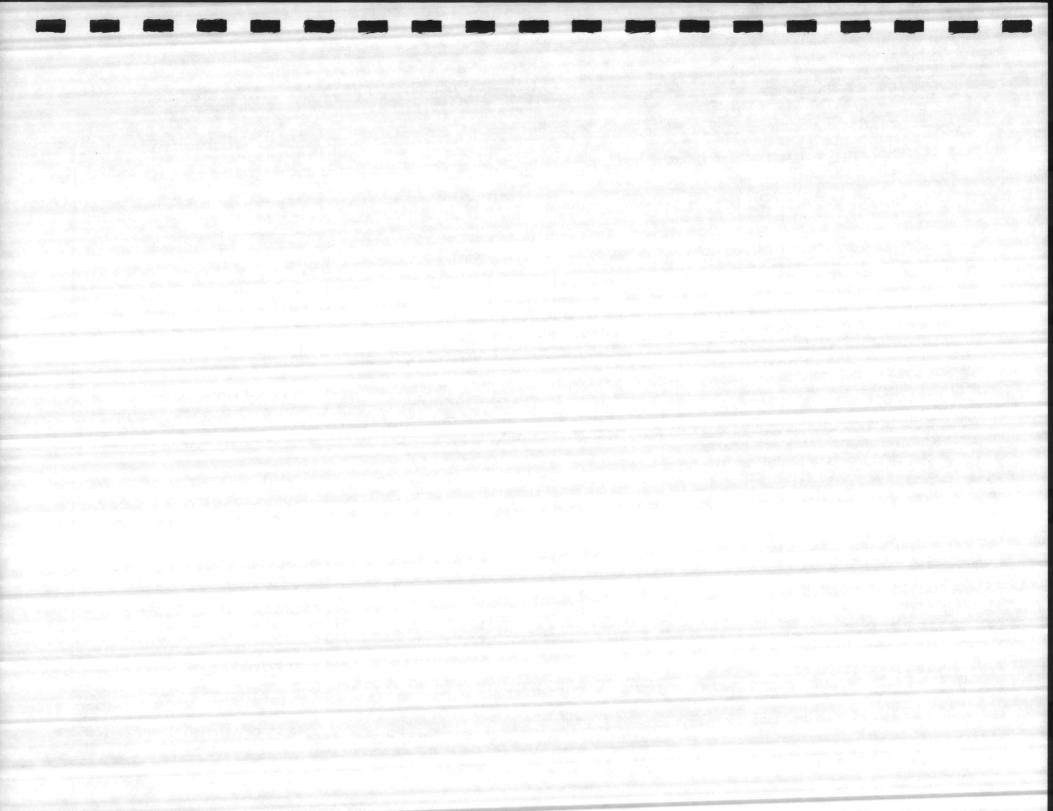
SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

RANGE NAME AND LOCATION: D-30 Rifle/Pistol Range, MCB, Camp Lejeune, NC Rifle/Pistol Range INSTRUCTIONS:

-- One form for each range/facility/simulator -- Fill in data elements as appropriate -- Use right column for new or improved ranges needed

TYPE	RANGE FACILITY:	
X	Live-Fire Full Caliber	
	Live-Fire Subcaliber	
	Simulator	
1.15	Maneuver Area	
C. Starting	Associated Air Space	
2-1-12-1	Other	
10.00		

PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS
3.5 X 1.0		
3860 MILS/217 degrees		
To 17,999 ft; 399 sq km		
TP851367		
NA		
46 rifle 15 pistol		
x X X		
	3.5 X 1.0 3860 MILS/217 degrees To 17,999 ft; 399 sq km TP851367 NA 46 rifle 15 pistol X	PRESENT CHARACTERISTICS (INCLUDE YEAR) 3.5 X 1.0 3860 MILS/217 degrees To 17,999 ft; 399 sq km TP851367 NA

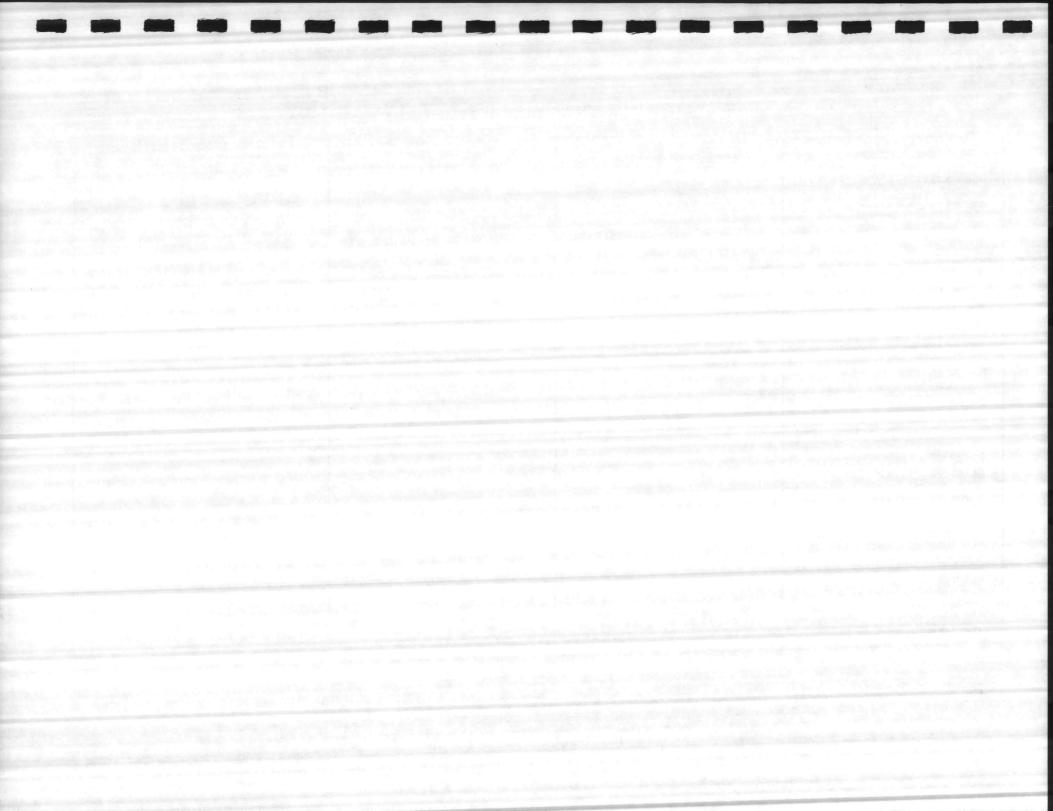


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site Other			
Felemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Moving Revolving	XX Turning		
Are There Associated Simulation Devices? Yes, No, NA	NA		

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PAGE 2 OF 6 DATE: 03/05/87

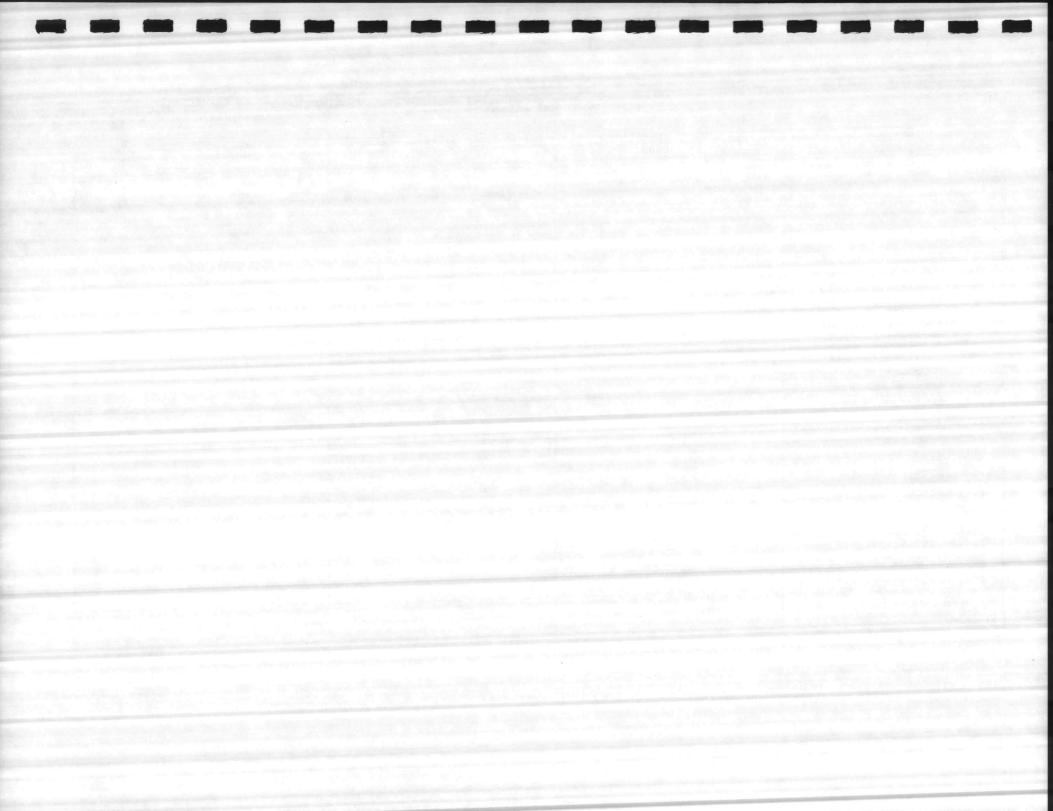
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	.22-cal, .38-cal, .45-cal, 9-mm, M16		
Climate Seasonal Tropic. Temperate. Arctic. Desert. All-Weather (Indoor) Other.	x	NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	100	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other		NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010008 PAGE 3 OF 6 DATE: 03/05/87

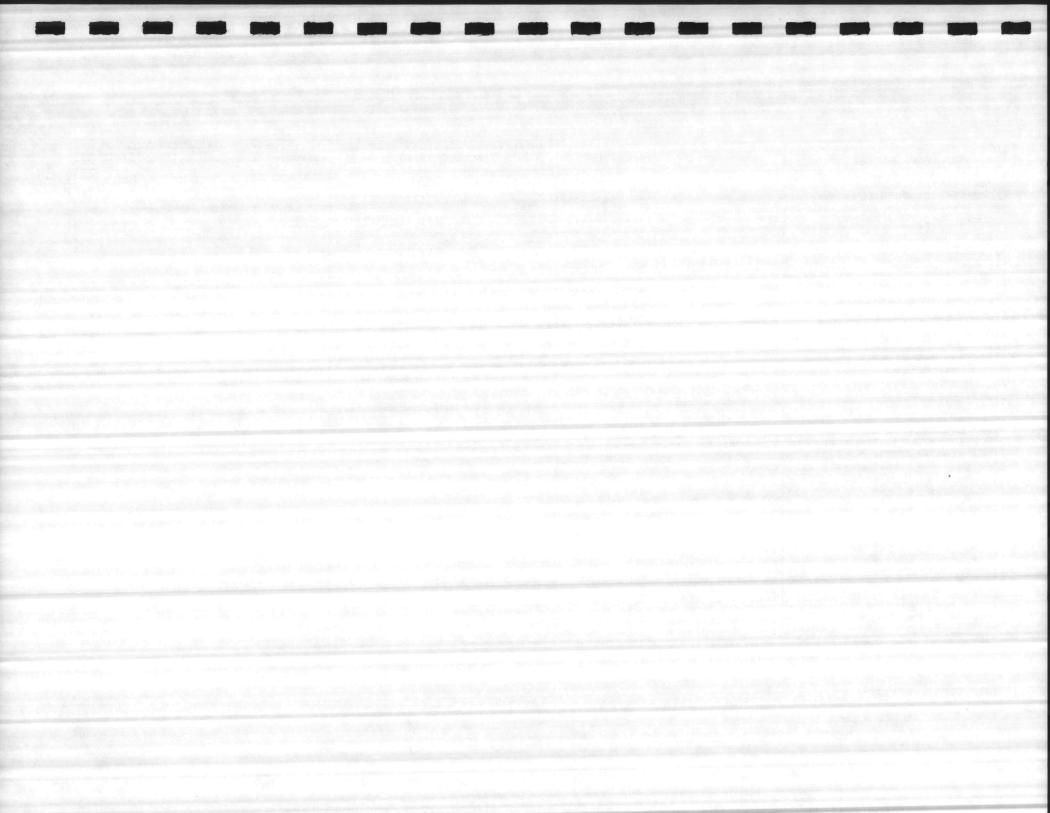
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100	•	
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	3		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	P-100, R-220		
Number of Days per Year the Range/Facility is Available	350		
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

FILE NAME: LP010008 PAGE 4 OF 6 DATE: 03/05/87

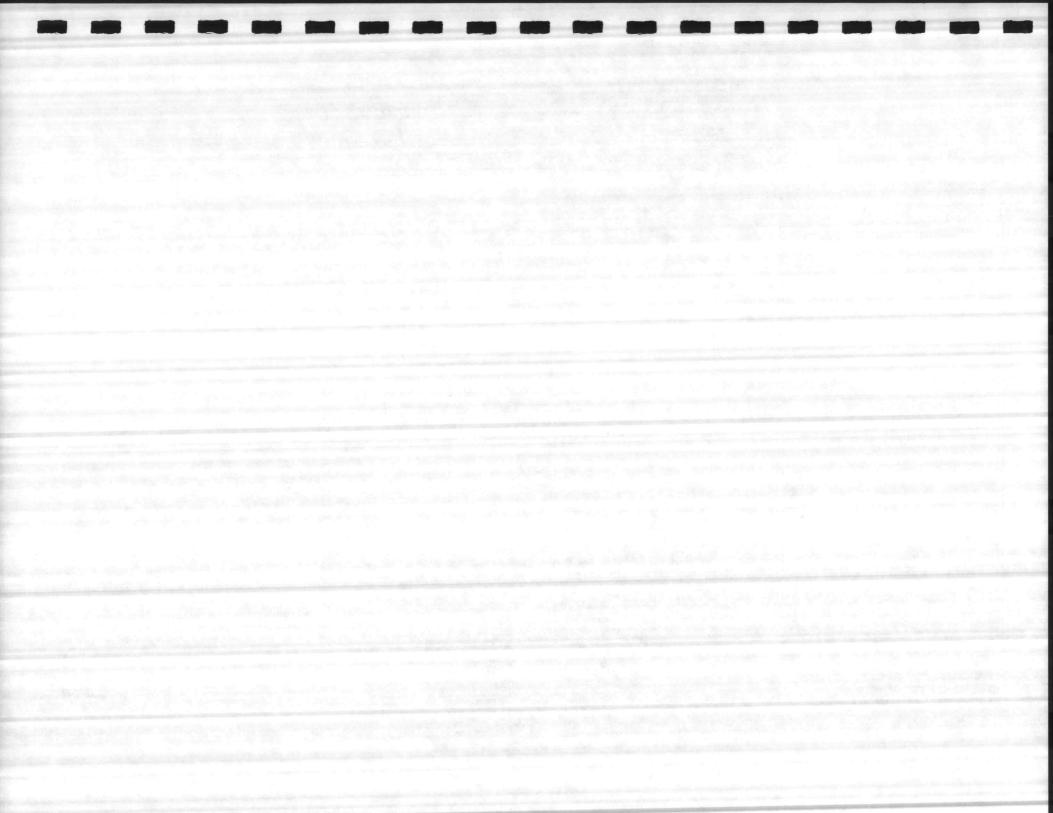
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total. Maintenance. Weather. Budget. Fire Condition/Weather. Weekends/Holidays. Other.		0	0
Other Ranges Which Must Be Closed When This Range is in Use	NA		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? ¥es, No, Explain	Yes Water traffic		
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	Yes Range guard to watch water		

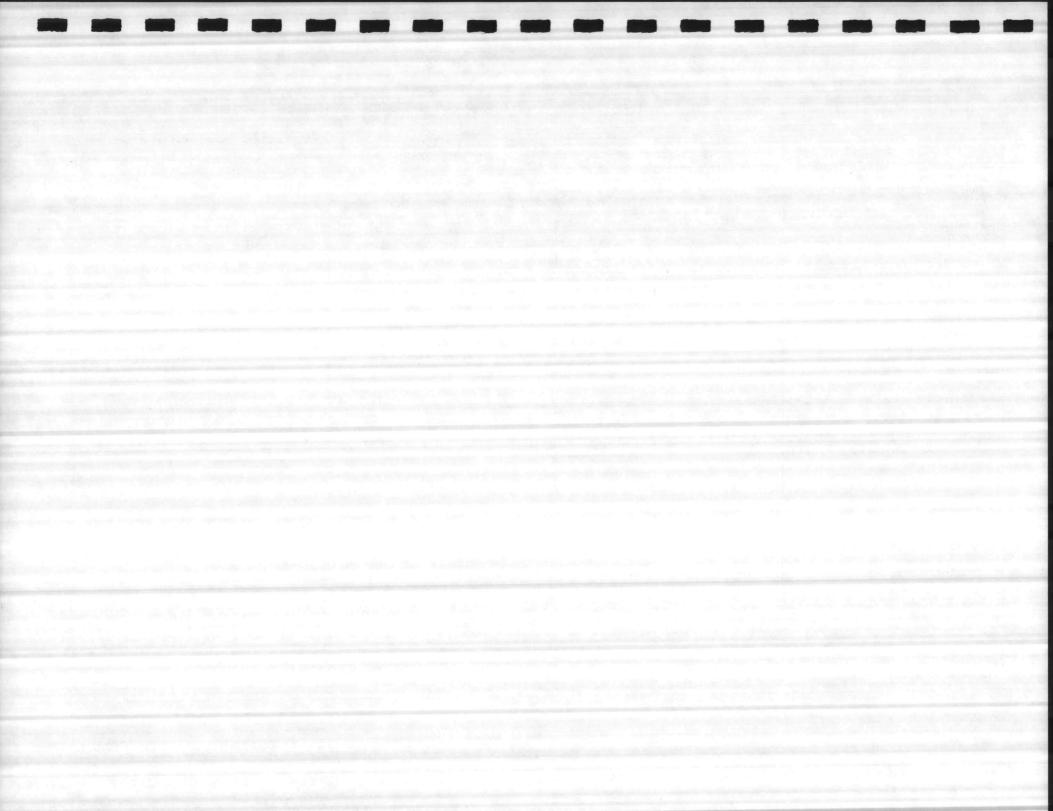
FILE NAME: LP010008 PAGE 5 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
estrictions on Range Use Environmental AICUZ FAA Noise Gas/Chemical Pyrotechnics/Flare Time of Day Time of Year Other	NA		
LE NAME: LP010008	·		

27.



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

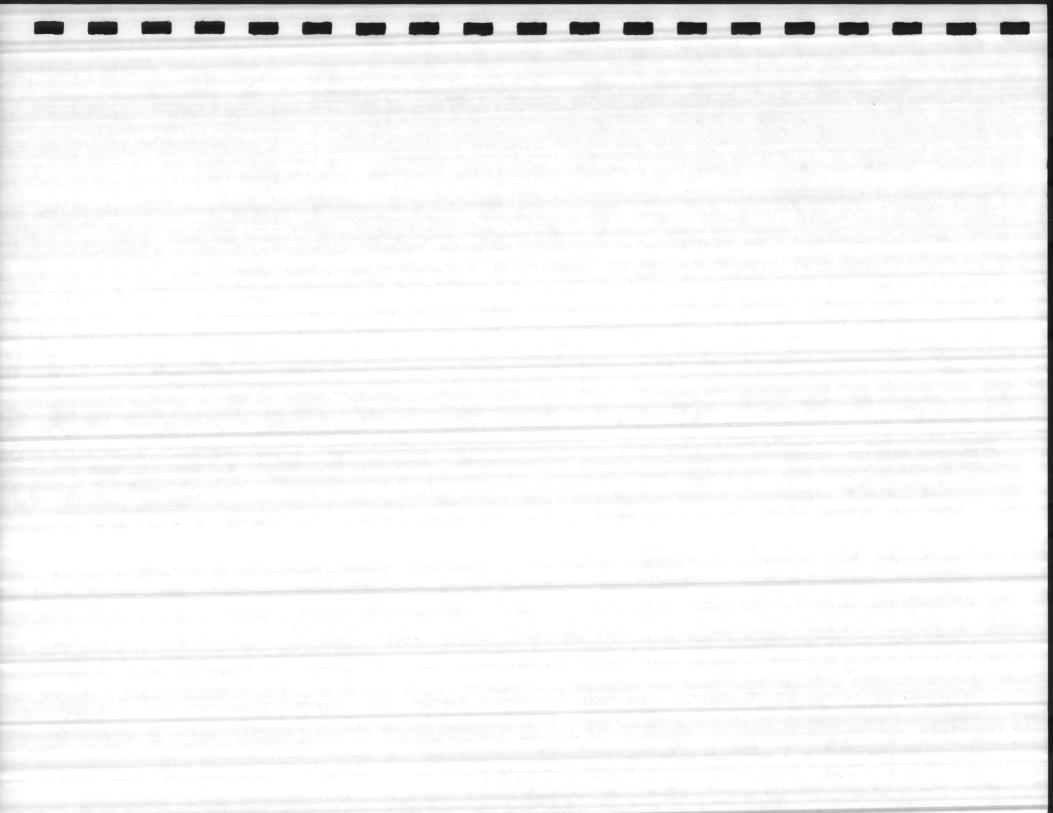
RANGE NAME AND LOCATION: E-1 Surface-to-Air-Missile Range, MCB, Camp Lejeune, NC Surface-to-Air-Missile Range INSTRUCTIONS:

-- One form for each range/facility/simulator

-- Fill in data elements as appropriate -- Use right column for new or improved ranges needed

RANGE FACILITY:
Live-Fire Full Caliber
Live-Fire Subcaliber
Simulator
Maneuver Area
Associated Air Space
Other

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km)	See Description (page 6 of 6)		
Primary Direction of Fire	Seaward		
Associated Air Space	To 17,999 ft; 399 sq km		
	 TP880246 right flank TP899260 left flank		
Safety Buffer Rear (km) Sides (km) Altitude (ft)			
Number of Firing Points/ Stations	 Unlimited (on beach) 	-	
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area			
TILE NAME: LP010009 PAGE 1 OF 6 DATE: 03/05/87	RANGE/FACILITY MANAGER: D.	-	- LFRTS-P-00

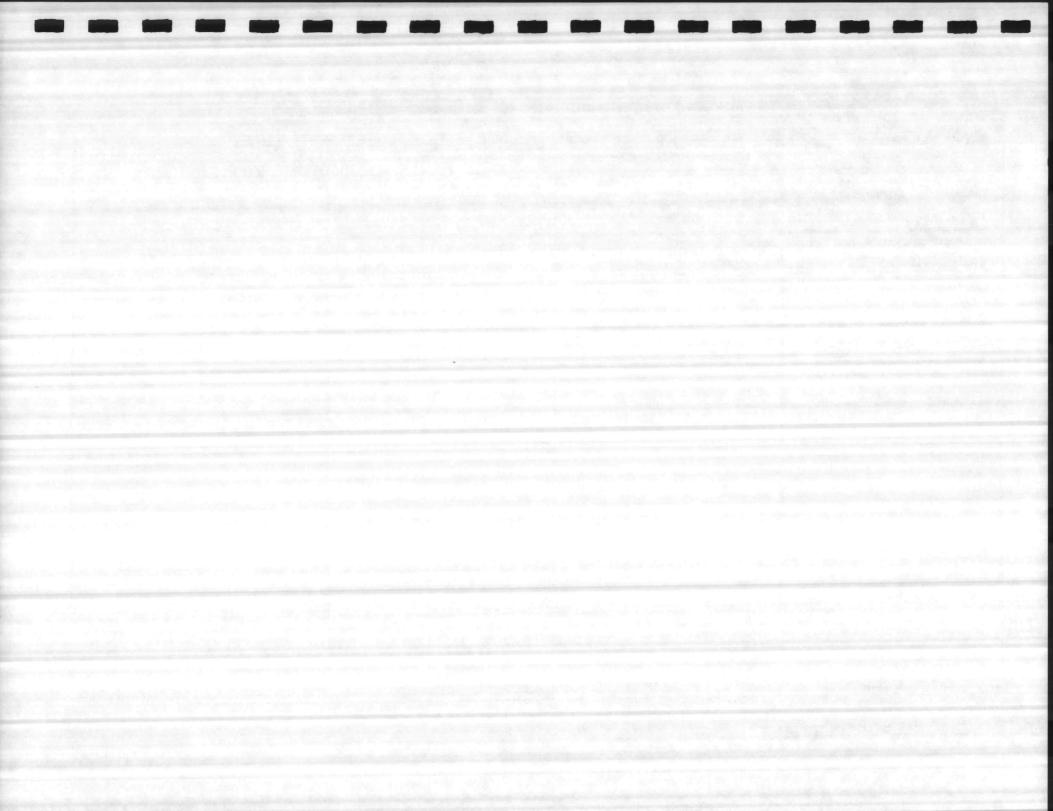


LATAR RANGE/FACILITY INVEN	TORY DATA FORM	(LFRTS-P-0001)	(CONTINUED)
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PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
NA		
NA 		
NA		
	NA NA	PRESENT CHARACTERISTICS (INCLUDE YEAR)

FILE NAME: LP010009 PAGE 2 OF 6 DATE: 03/05/87

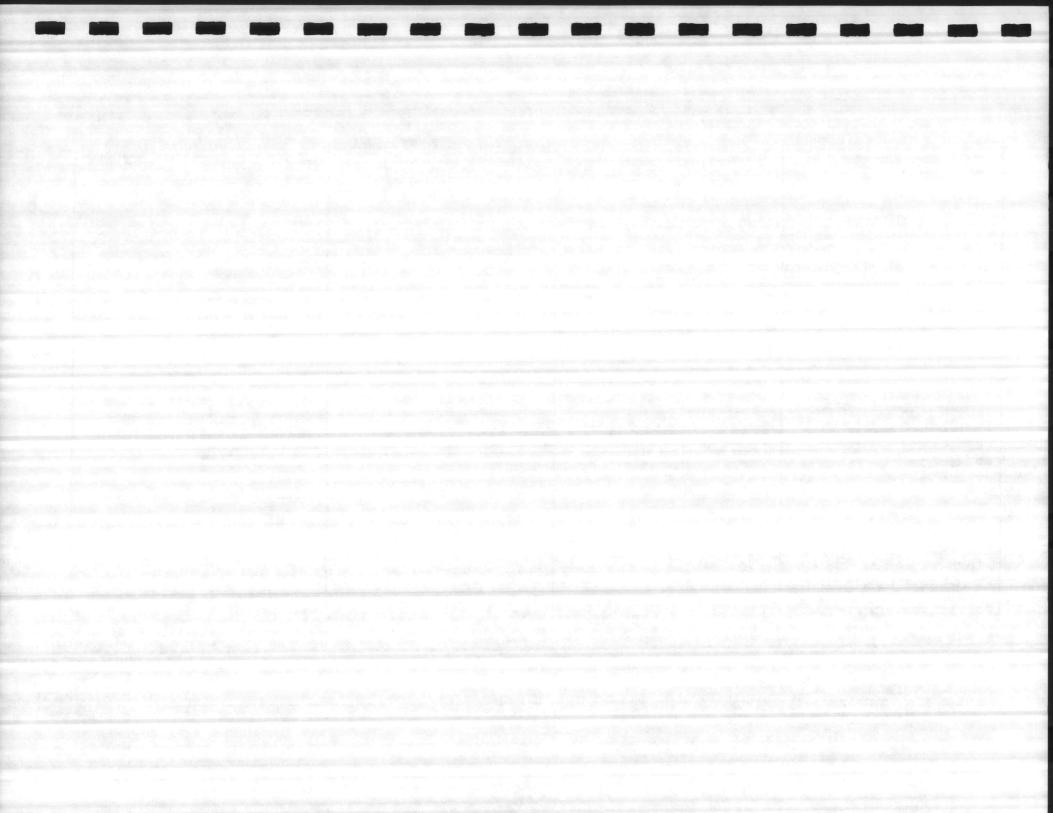
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.____



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	HAWK, REDEYE, STINGER		
Climate Seasonal Tropic Temperate Arctic Desert All-Weather (Indoor) Other	x	NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	100	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	100	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010009 PAGE 3 OF 6 DATE: 03/05/87

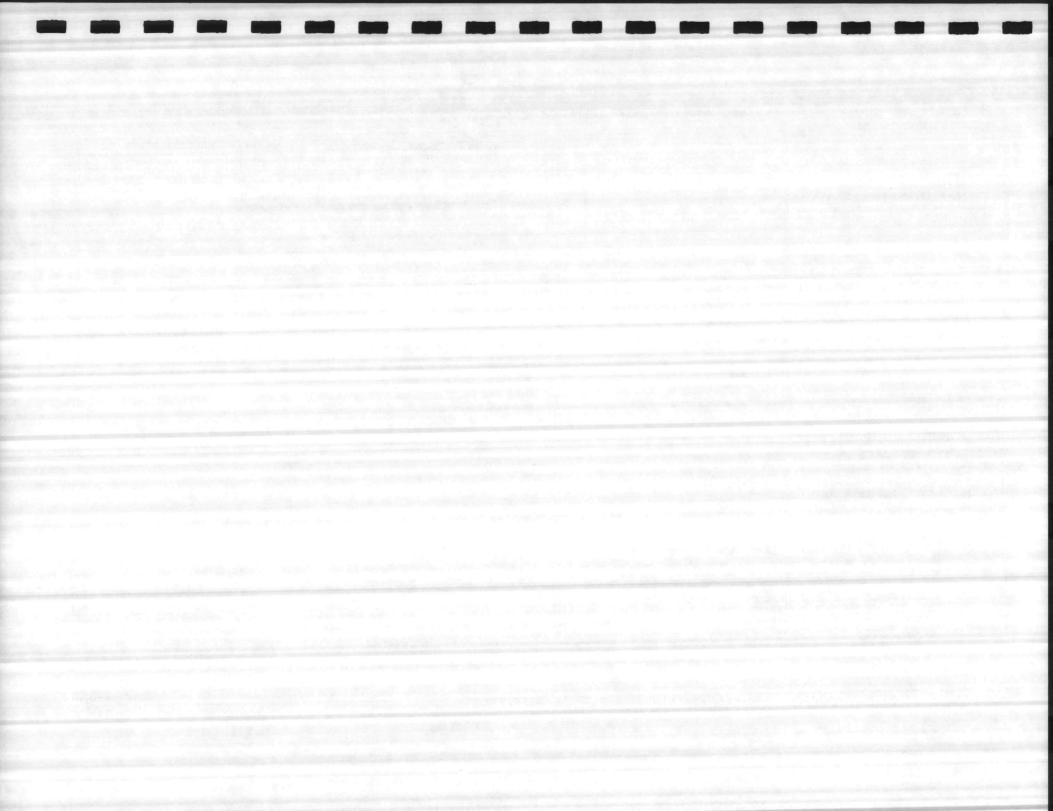
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	9		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	1		
Number of Days per Year the Range/Facility is Available	360		
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

FILE NAME: LP010009 PAGE 4 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



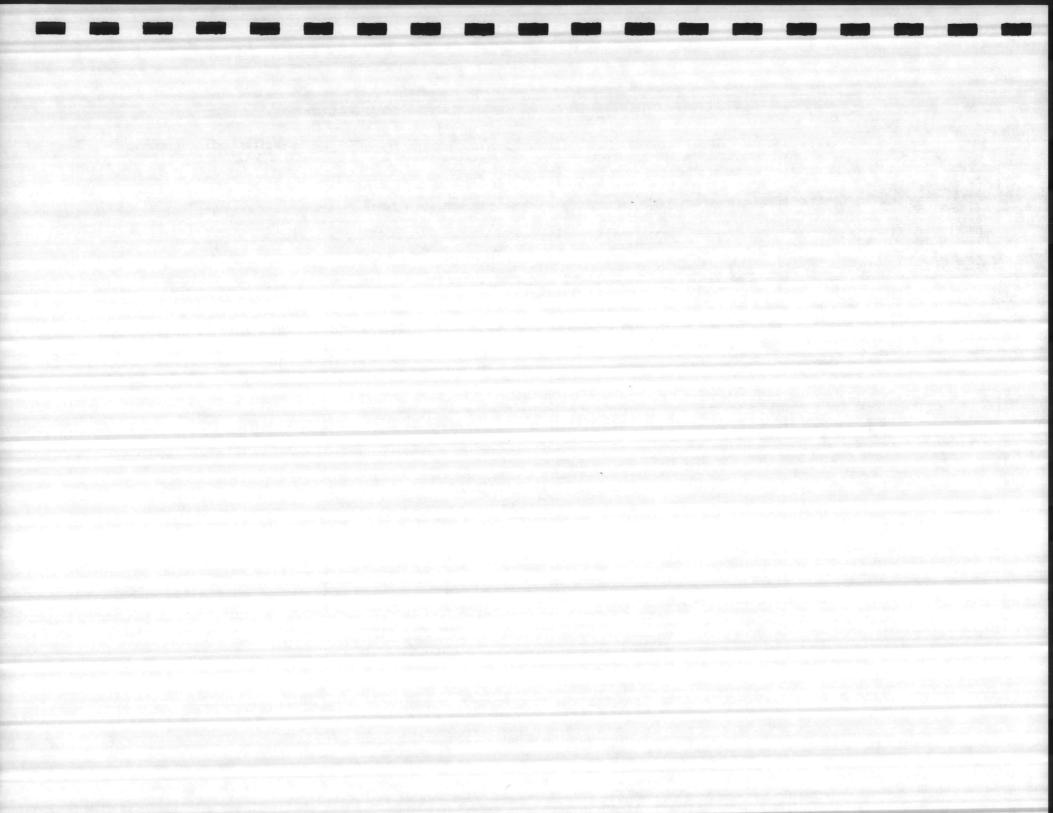
PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
5	0	0
NA		
NA		
Yes Aerial sweep to ensure water areas are clear		
	5 5 NA NA NA Yes Aerial sweep to ensure water	PRESENT CHARACTERISTICS (INCLUDE YEAR) 5

FILE NAME: LP010009 PAGE 5 OF 6 DATE: 03/05/87

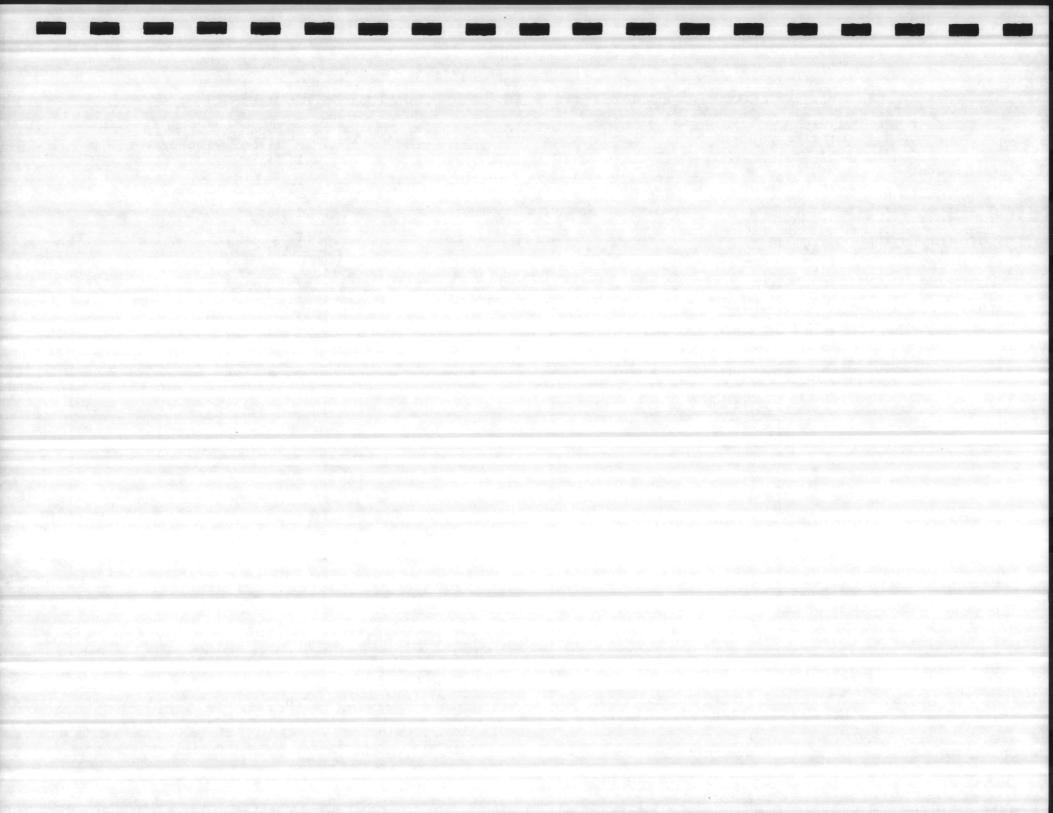
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS
estrictions on Range Use Environmental	 X Whales, Sea Turtles		
AICUZ		and the second	a the second
FAA		and the second	I show the state of the state of the state of the
Noise			and the second
Gas/Chemical			
Pyrotechnics/Flare			
Time of Day	and the second	when a subscription of the subscription of the subscription of the	
Time of Year	and the second of the second second second		
Other	Migrating whales	and a second	and the second
	Sea turtle nests	and the second	
			-
	Description (from page 1 of 6)		
	Range is northeast along	the Course of the dynamic of the design of the	and the decision and a second second second second
	Onslow Beach to Riseley Pier Right Flank - Az 180 degrees		2014년 - 1915년 - 1917년 - 1917년 - 1917년 - 1917년 1917년 - 1917년 -
	grid (N)		에 가장하는 Mine 이 가슴 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	Left Flank - Az 085 degrees		
	grid (N)	나는 다른 수가 집에 걸렸다. 이 것이 같아.	
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	and the second		
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	and the manufacture of the second		
		the second strength of	See and see and the second
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	and the second state of the second s second second se second second sec second second sec	en e	and the second secon
	And a second		
			-
LE NAME: LP010009			



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

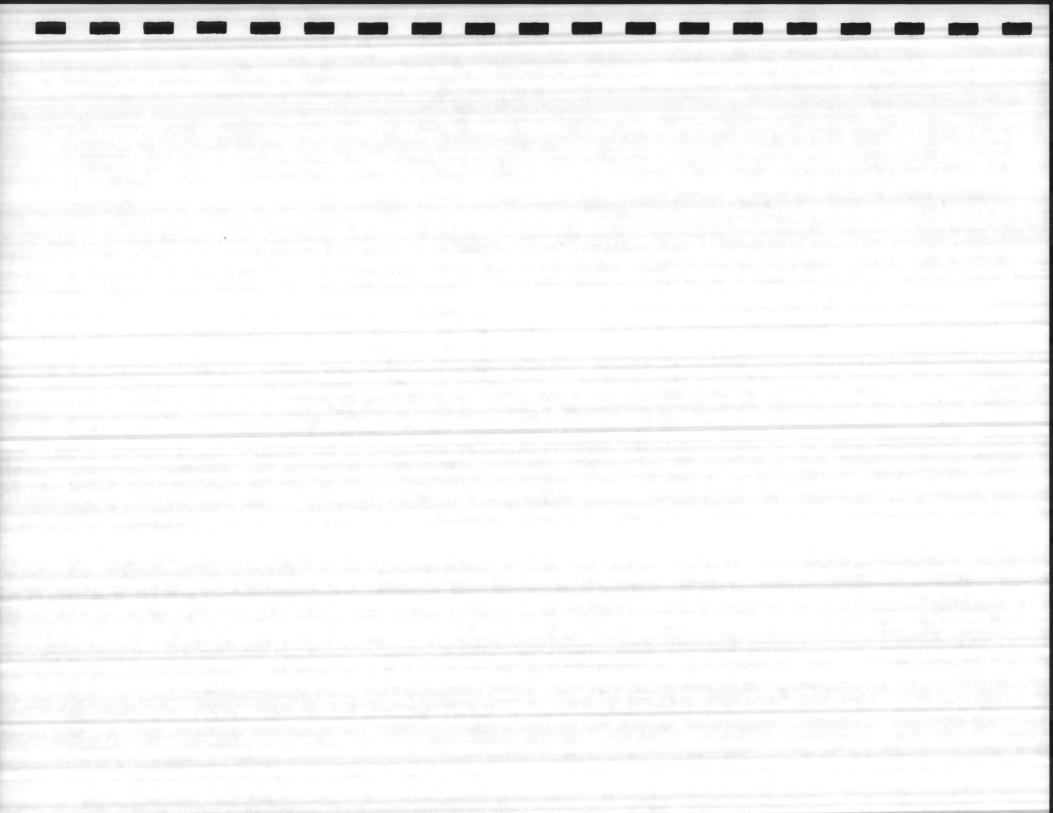
RANGE NAME AND LOCATION: F-2 Field Firing Range, MCB, Camp Lejeune, NC Field Firing Range INSTRUCTIONS:

-- One form for each range/facility/simulator -- Fill in data elements as appropriate

-- Use right column for new or improved ranges needed

TYPE	RANGE FACILITY:	
X	Live-Fire Full Caliber	
	Live-Fire Subcaliber	
Salar Salar	Simulator	
1.000	Maneuver Area	
1912-2013	Associated Air Space	
1000	Other	

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS
Range Shape and Dimensions Dimensions (km)	3.7 X 1.9		
Primary Direction of Fire	3402 MILS/191 degrees		
Associated Air Space	To 17,999 ft; 399 sq km		
Coordinates	TP907427		
		a set mark all	
Safety Buffer Rear (km) Sides (km) Altitude (ft)	NA		•
	Berm (squad) 13 men maximum moving forward		
Range Facilities Control Tower Communications System Target Shed	X		
Utility Building Aid Station Parking Area Viewing Area			

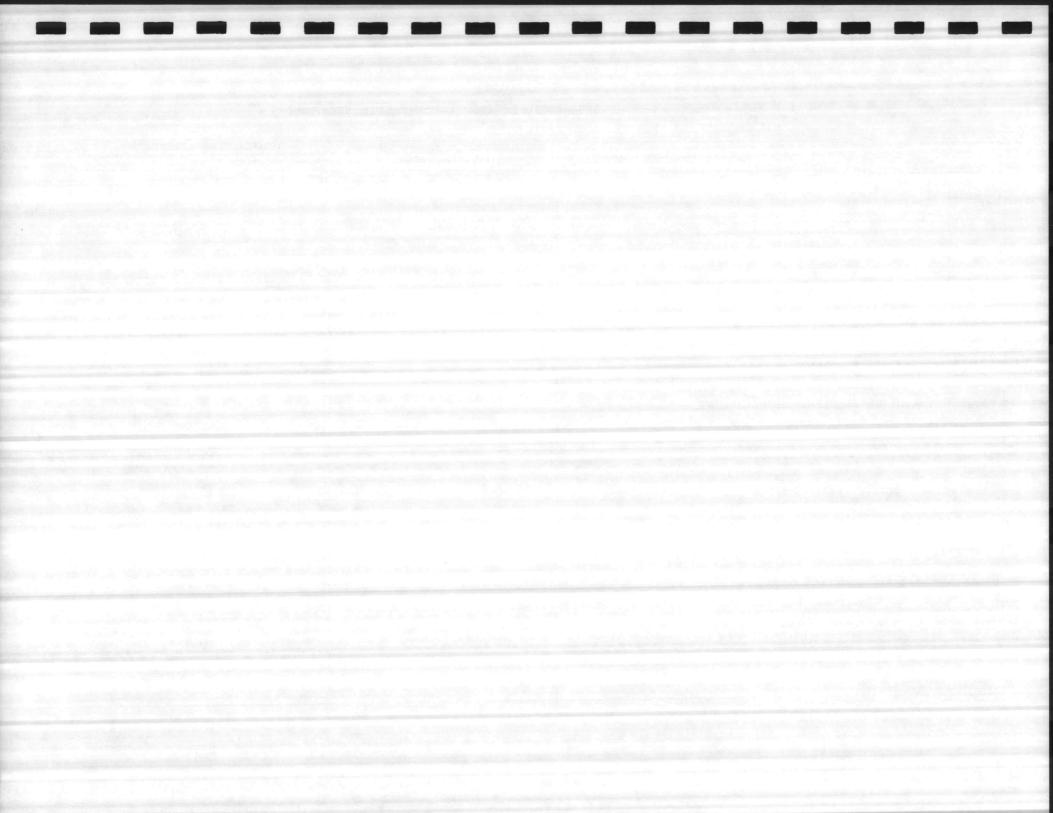


LATAR RANGE/	FACILITY	INVENTORY	DATA	FORM	(LFRTS-P-0001)	(CONTINUED)
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued)Demonstration AreaHead FacilityAmmunition BunkerWater SystemElectrical SystemClassroomBivouac SiteOther	x		
Pelemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Target Types Pop-up Stationary Moving Revolving Other	x		
Are There Associated Simulation Devices? Yes, No, NA	NA		

PAGE 2 OF 6 DATE: 03/05/87

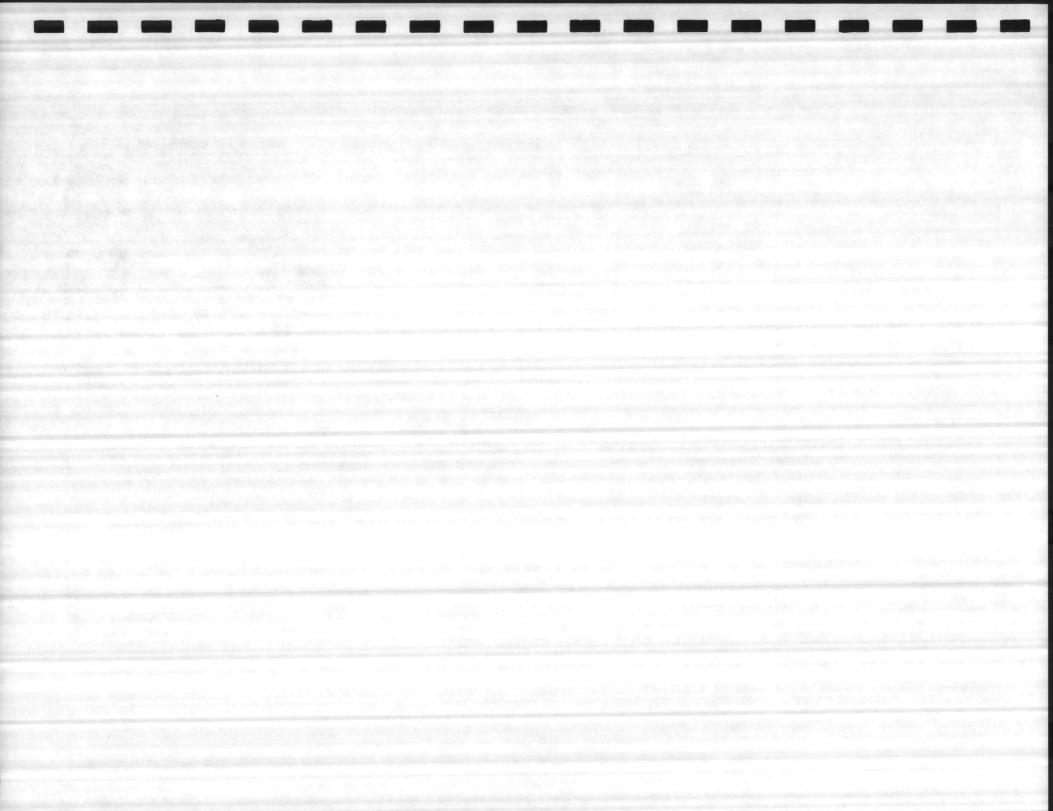
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	.38-cal, .45-cal, 9-mm, shotgun, M16		
Climate Seasonal Tropic Temperate Arctic. Desert All-Weather (Indoor) Other.	x	NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	100	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	같은 것 물건이 있는 것 같은 물건을 얻었다.	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010010 PAGE 3 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100	······	
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		·
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	13		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	150		•
Number of Days per Year the Range/Facility is Available	350		
Is Range/Facility Capable of Nighttime Use? Yes, No	No .		

THETOTAL OF THOMAL OUT NOT

DRATORO

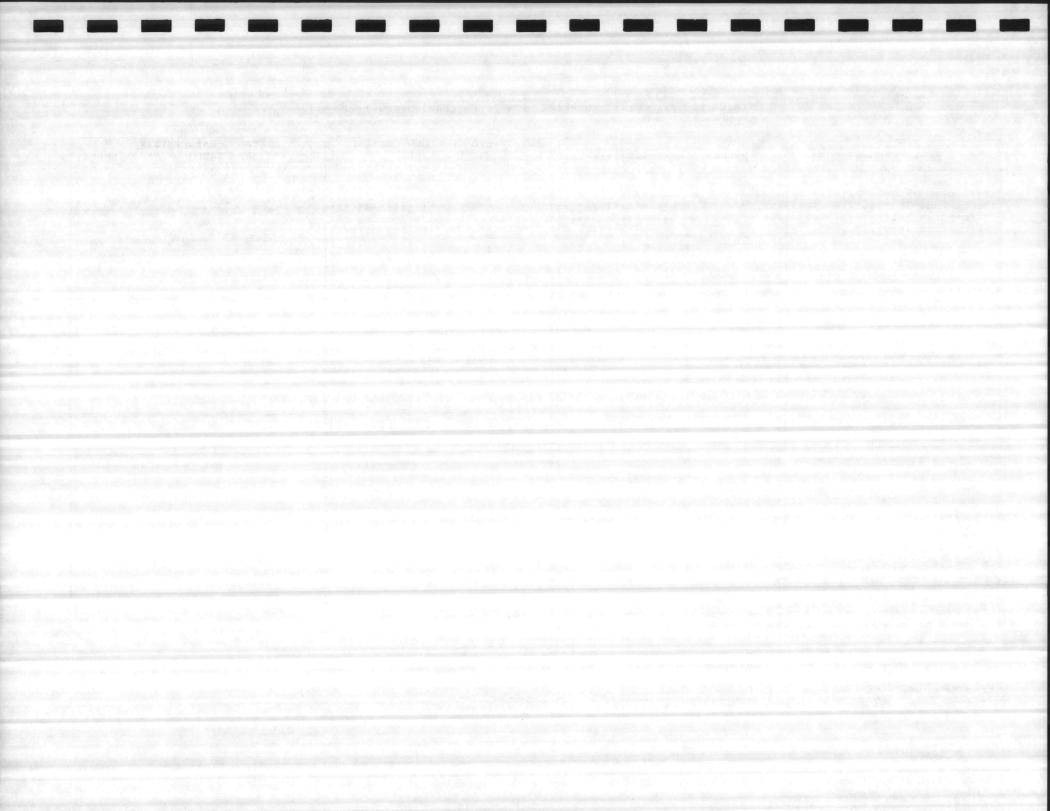
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FILE NAME: LP010010 PAGE 4 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

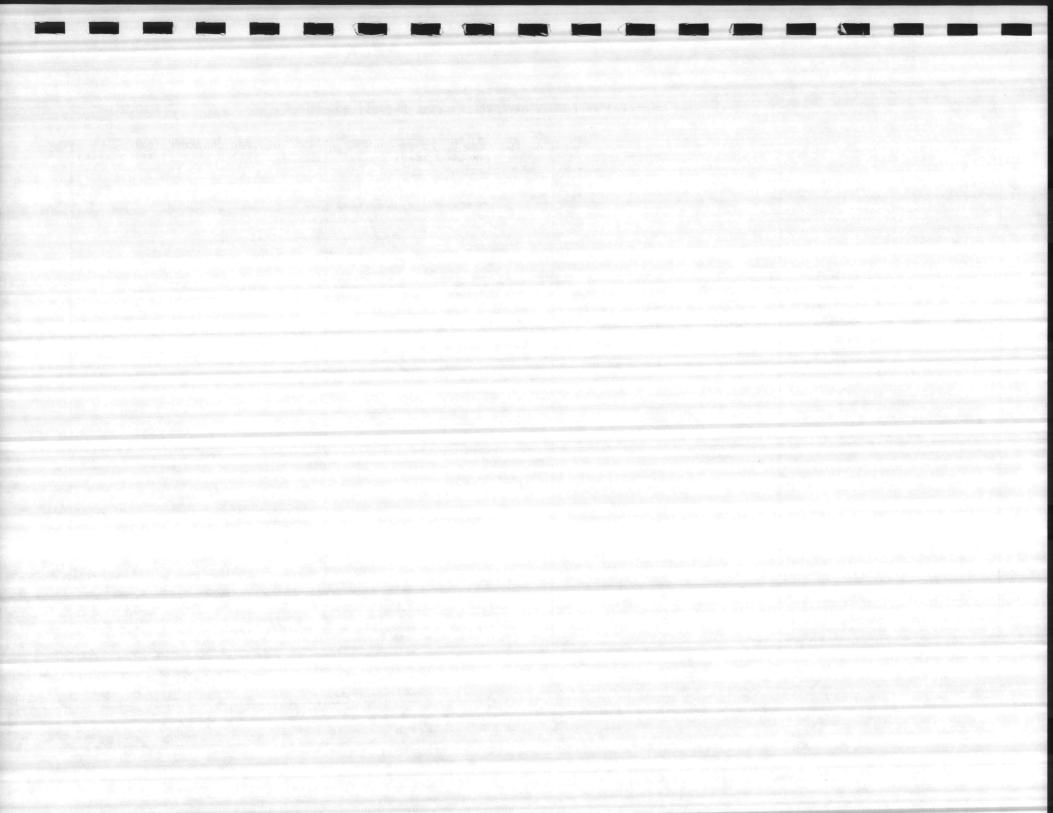
14/24



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total. Maintenance. Weather. Budget. Fire Condition/Weather. Weekends/Holidays. Other.	15 15	0	0
Other Ranges Which Must Be Closed When This Range is in Use	FA Maneuver Area GP-1, F-5		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	NA		
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	NA		

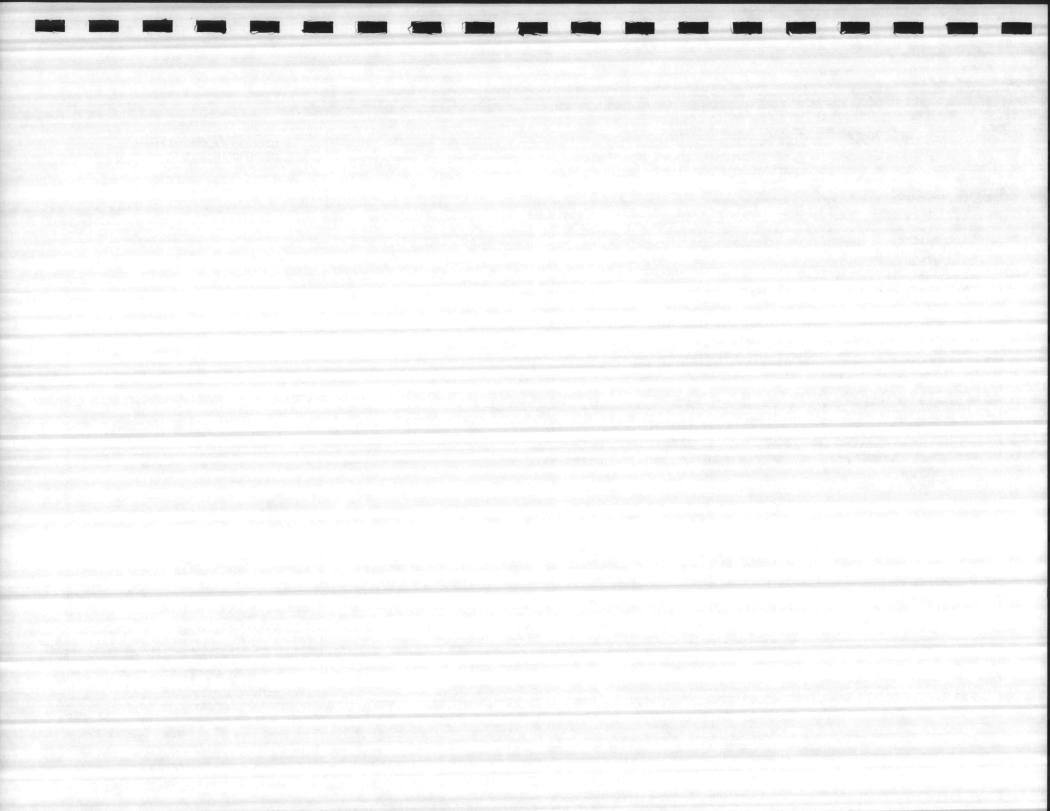
FILE NAME: LP010010 PAGE 5 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
estrictions on Range Use Environmental AICUZ	NA		
FAA Noise Gas/Chemical Pyrotechnics/Flare			
Time of Day Time of Year Other			

LATAR RANGE/FACILITY INVENTORY DATA FORM (LFRTS-P-0001) (CONTINUED)



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

RANGE NAME AND LOCATION: F-4 Fire Control Range, MCB, Camp Lejeune, NC Fire Control Range INSTRUCTIONS:

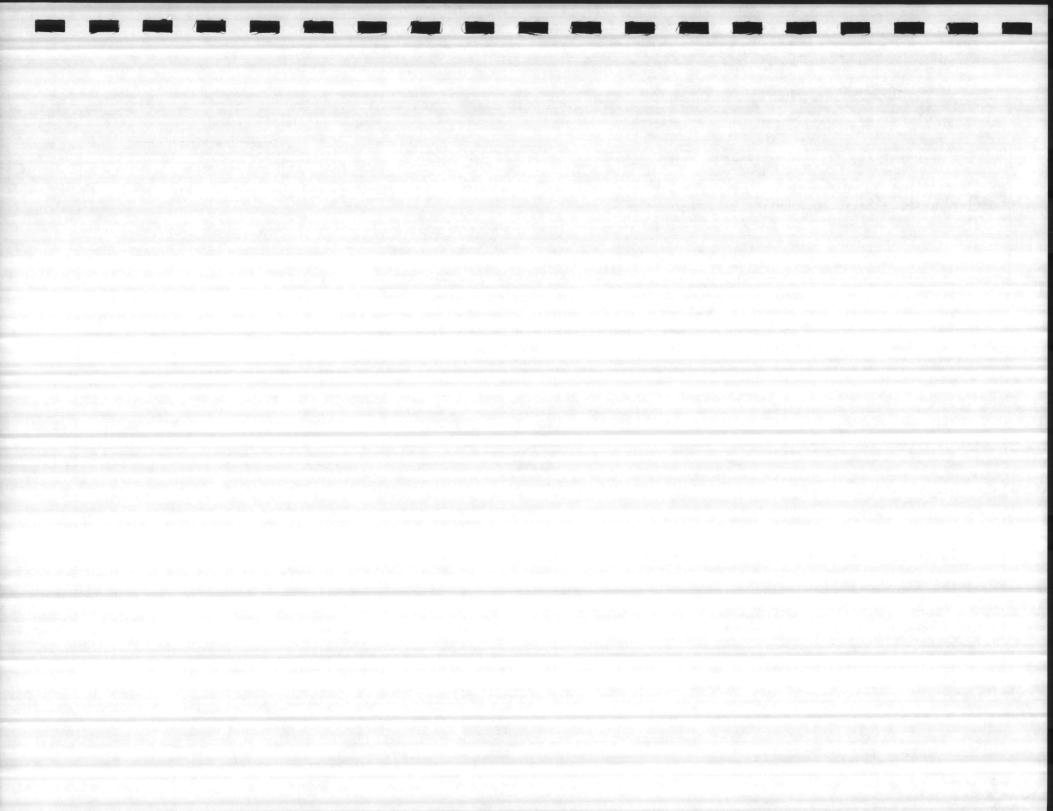
-- One form for each range/facility/simulator

-- Fill in data elements as appropriate

-- Use right column for new or improved ranges needed

TY PE	RANGE FACILITY:
Х	Live-Fire Full Caliber
20	Live-Fire Subcaliber
	Simulator
1000	Maneuver Area
Sec. Sec.	Associated Air Space
and the second	Other

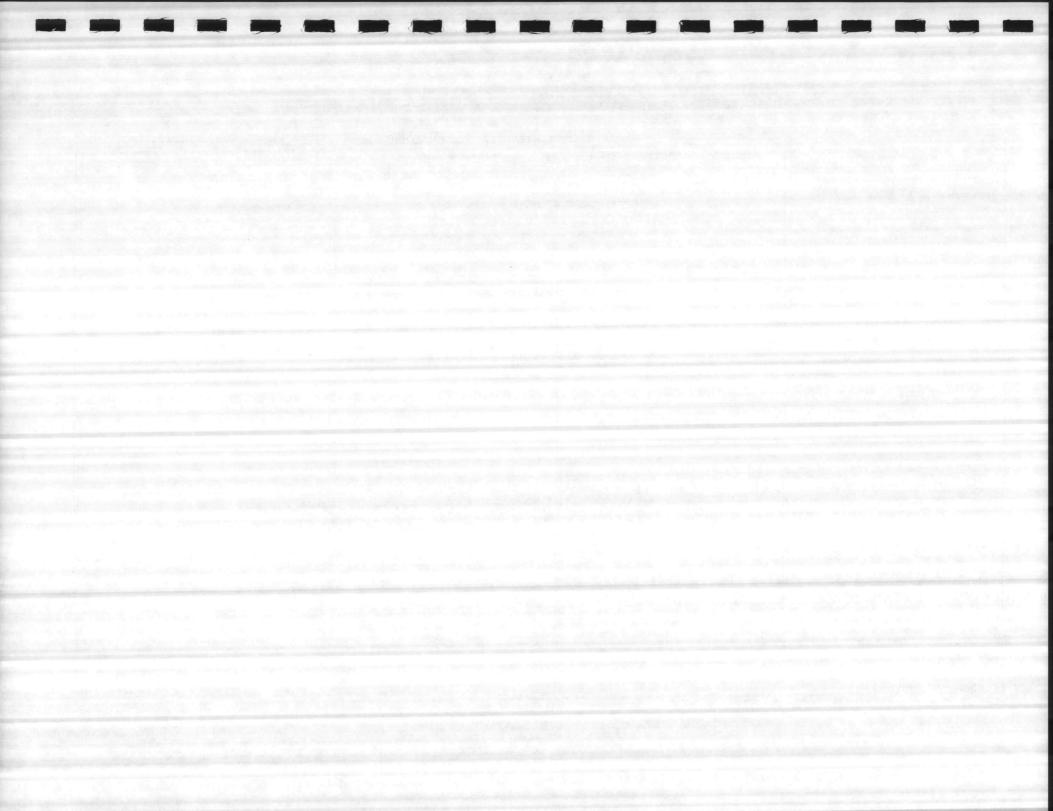
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Range Shape and Dimensions Dimensions (km)	3.58 X 1.2		
Primary Direction of Fire	3550 MILS/200 degrees		
Associated Air Space	To 17,999 ft; 399 sq km		
Coordinates	TP918421		
Safety Buffer Rear (km) Sides (km) Altitude (ft)	NA		· · · · · · · · · · · · · · · · · · ·
Number of Firing Points/ Stations	10	-	
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area.	X		



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Lange Facilities (continued)Demonstration AreaHead FacilityAmmunition BunkerWater SystemElectrical SystemClassroomBivouac SiteOther	x		
Pelemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	10 targets		
Target Types Pop-up Stationary Moving Revolving Other	x		
Are There Associated Simulation Devices? Yes, No, NA	Yes 2 artillery 1 machine gun		

FILE NAME: LP010011 PAGE 2 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

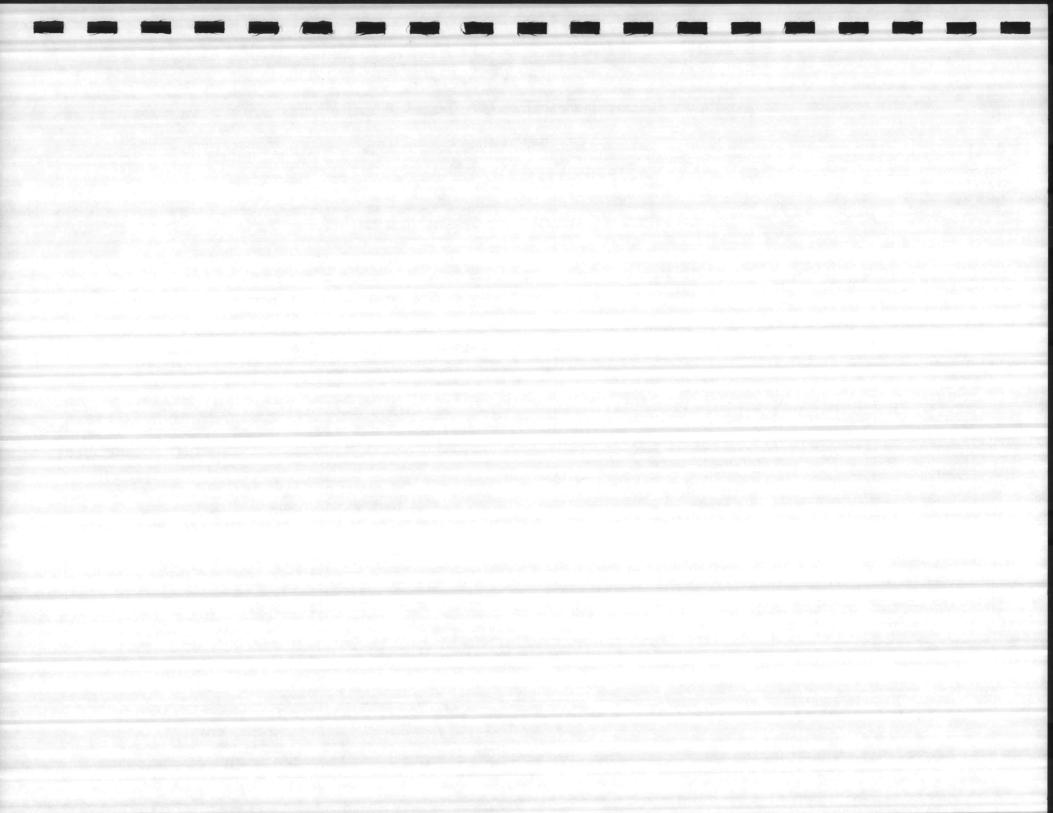


LATAR RANGE/FACILITY INVENTORY DATA FORM (LFRTS-P-0001) (CONTINUED	LATAR	RANGE/FACILITY	INVENTORY DA	TA FORM	(LFRTS-P-0001)	(CONTINUED)
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9-mm,	
NOT APPLICABLE	NOT APPLICABLE
NOT APPLICABLE	NOT APPLICABLE
NOT APPLICABLE	NOT APPLICABLE
	NOT APPLICABLE

FILE NAME: LP010011 PAGE 3 OF 6 DATE: 03/05/87

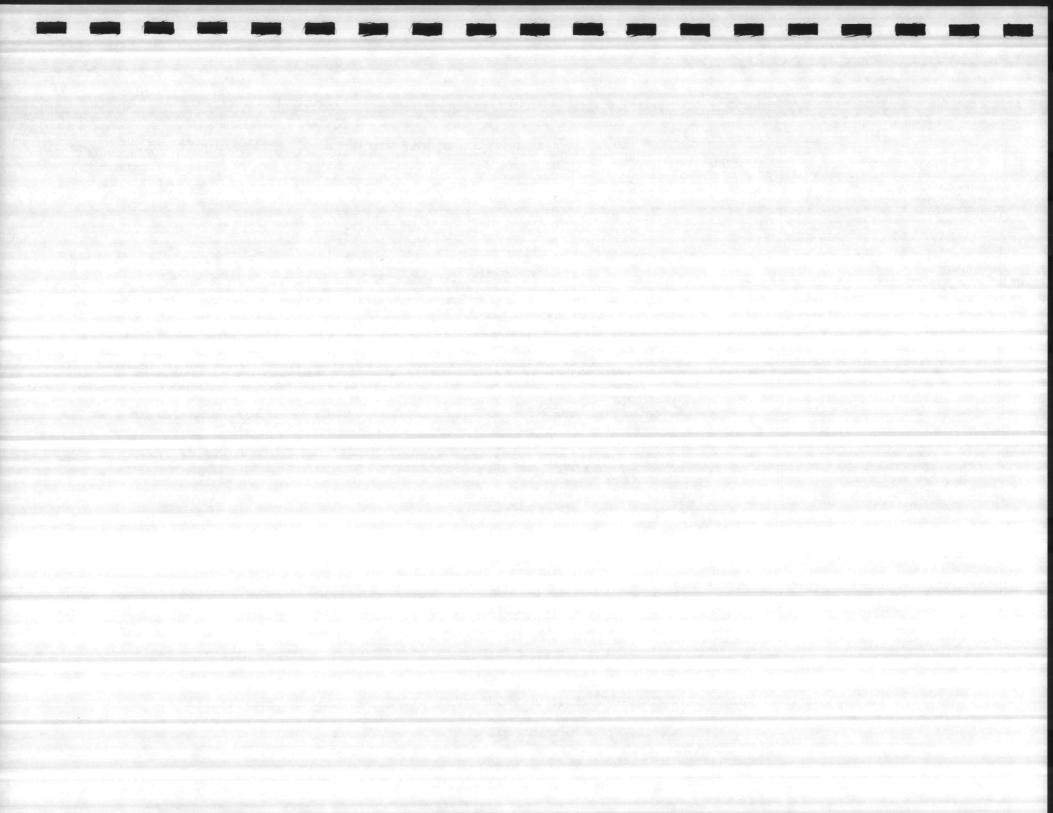
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	15		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	65 		
Number of Days per Year the Range/Facility is Available	350		
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

FILE NAME: LP010011 PAGE 4 OF 6 DATE: 03/05/87

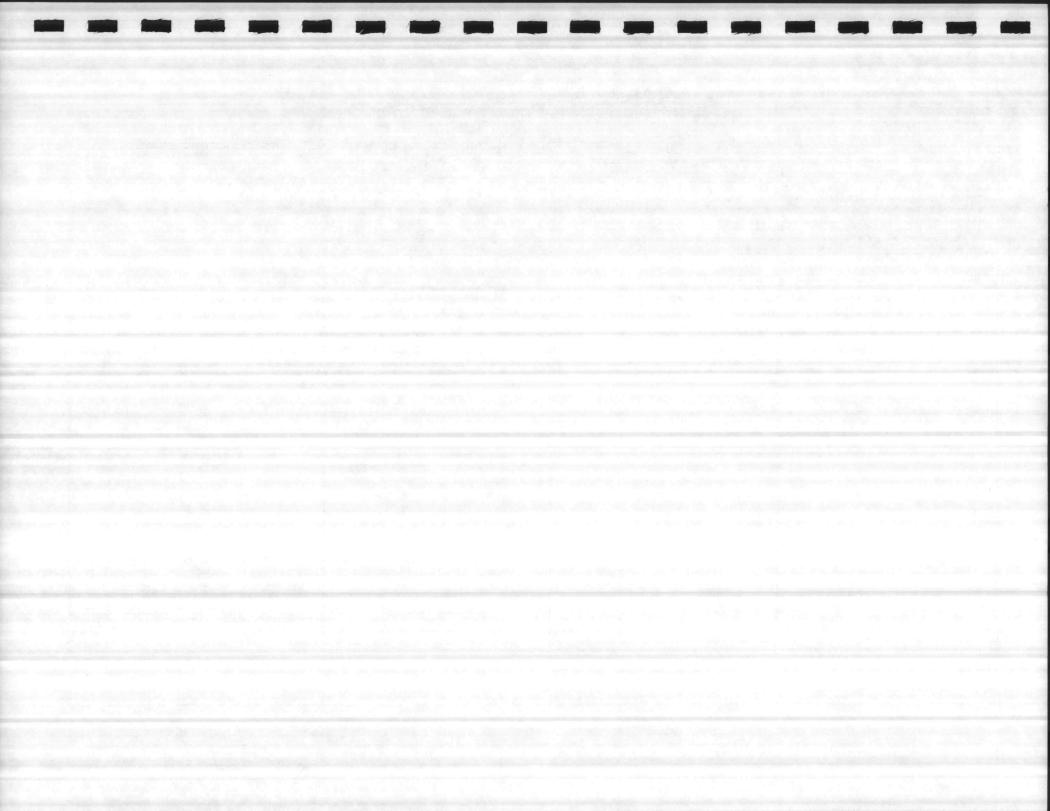
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	10 10	0	0
Other Ranges Which Must Be Closed When This Range is in Use	FB, FC Maneuver Areas GP-3		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	NA		
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	Yes No movement 900 m downrange		

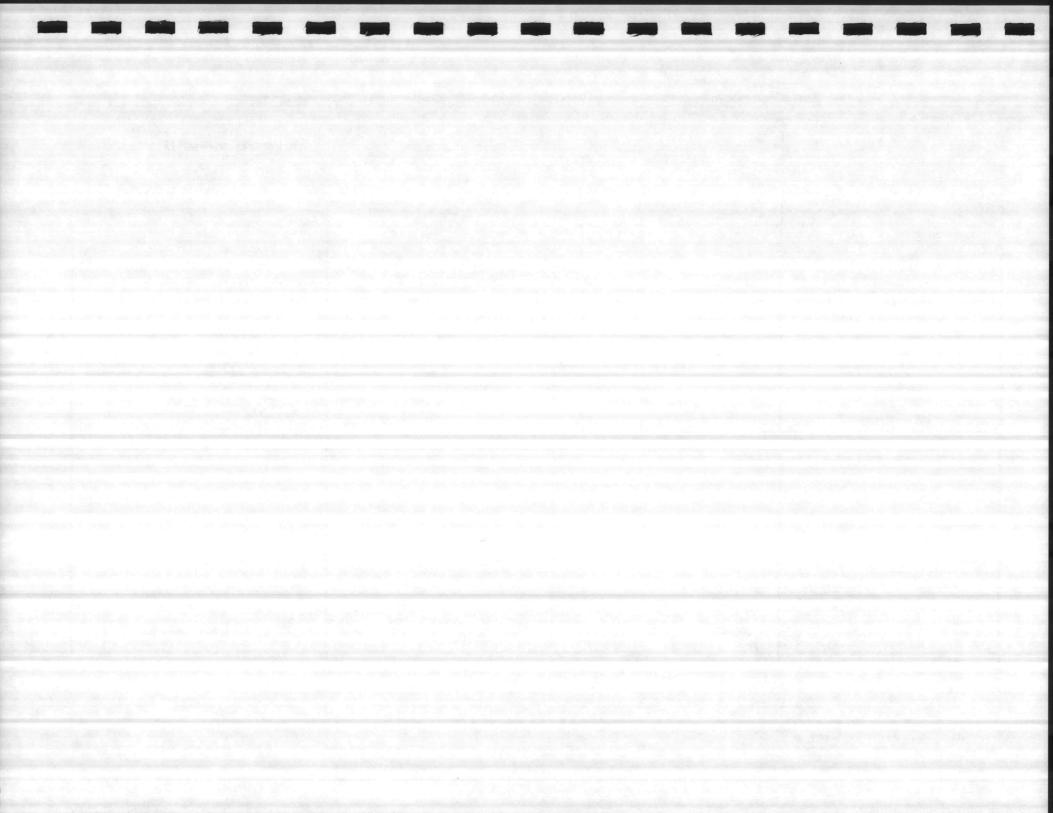
FILE NAME: LP010011 PAGE 5 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



LATAR RANGE/FACILITY	INVENTORY	DATA	FORM	(LFRTS-P-0001)	(CONTINUED)
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
estrictions on Range Use Environmental	V Weednegker hebitat		
AICUZ			
FAA			1. 2. · · · · · · · · · · · · · · · · · ·
Noise Gas/Chemical	and employed at the strategy and the strategy of		and the second
Pyrotechnics/Flare Time of Day		a far i shekar kana shekar shekar a sa	(a) A second s second second s second second sec
Time of Year			
Other	and the second		
	and the second second second second	na in anna martaithe an dealarth	a analas an hadin kanalas ngan sanas na manakana.
		and the second second second second	
	a second second when the second of the second second	and the second sec	
			-
JE NAME: LP010011	RANGE/FACILITY MANAGER: D.	그는 전 것이 그렇는 가 가 많이 안 한다.	LFRTS-P-00



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

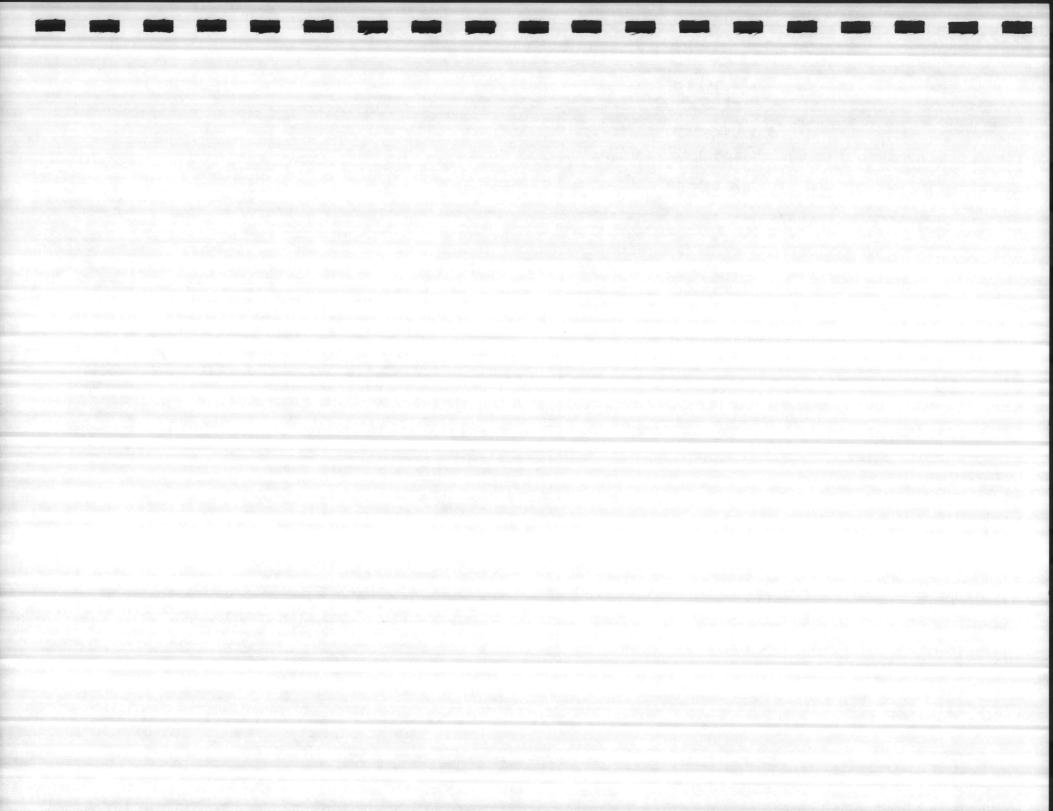
RANGE NAME AND LOCATION: F-5 MP Pistol Range, MCB, Camp Lejeune, NC MP Pistol Range INSTRUCTIONS:

-- One form for each range/facility/simulator

-- Fill in data elements as appropriate

-- Use right column for new or improved ranges needed

3.6 X 1.8		
3673 MILS/207 degrees		
To 17,999 ft; 399 sq km		
TP909426		
NA		•
 12 		
 x		
	3673 MILS/207 degrees To 17,999 ft; 399 sq km TP909426 NA 12	3673 MILS/207 degrees To 17,999 ft; 399 sq km TP909426 NA 12 X



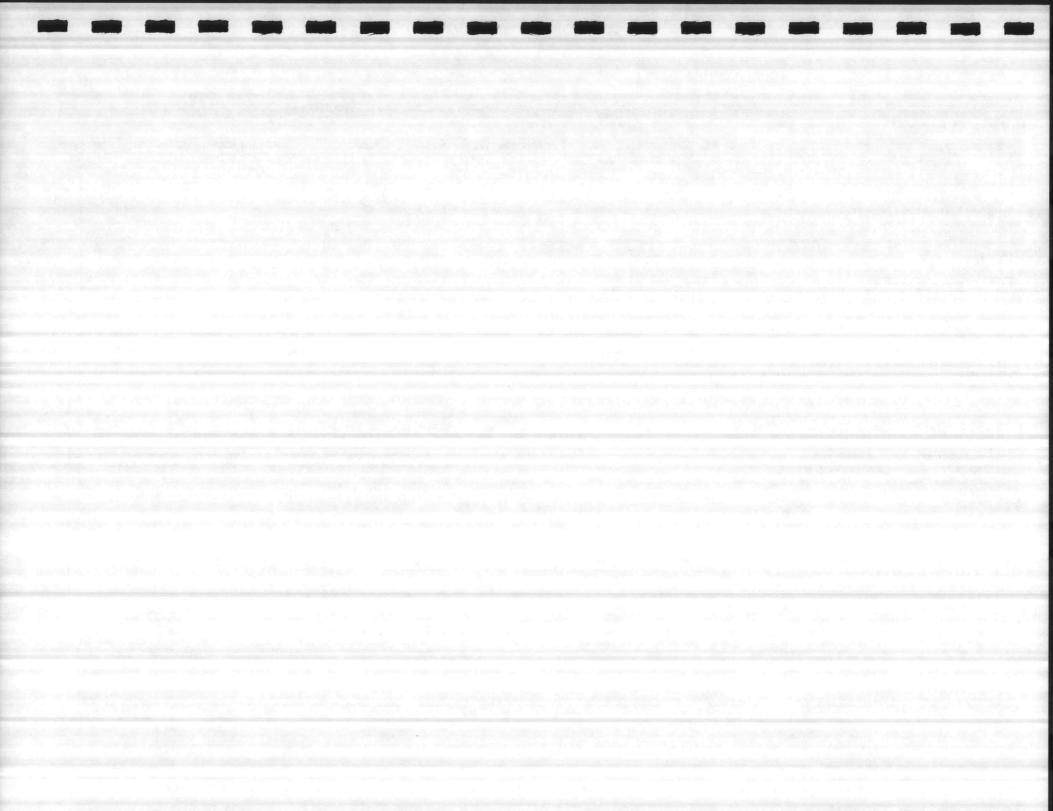
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
tange Facilities (continued)Demonstration AreaHead FacilityAmmunition BunkerWater SystemElectrical SystemClassroomBivouac SiteOther			
Celemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Farget Types Pop-up Stationary Moving Revolving Other	x x		
Are There Associated Simulation Devices? Yes, No, NA			

PAGE 2 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

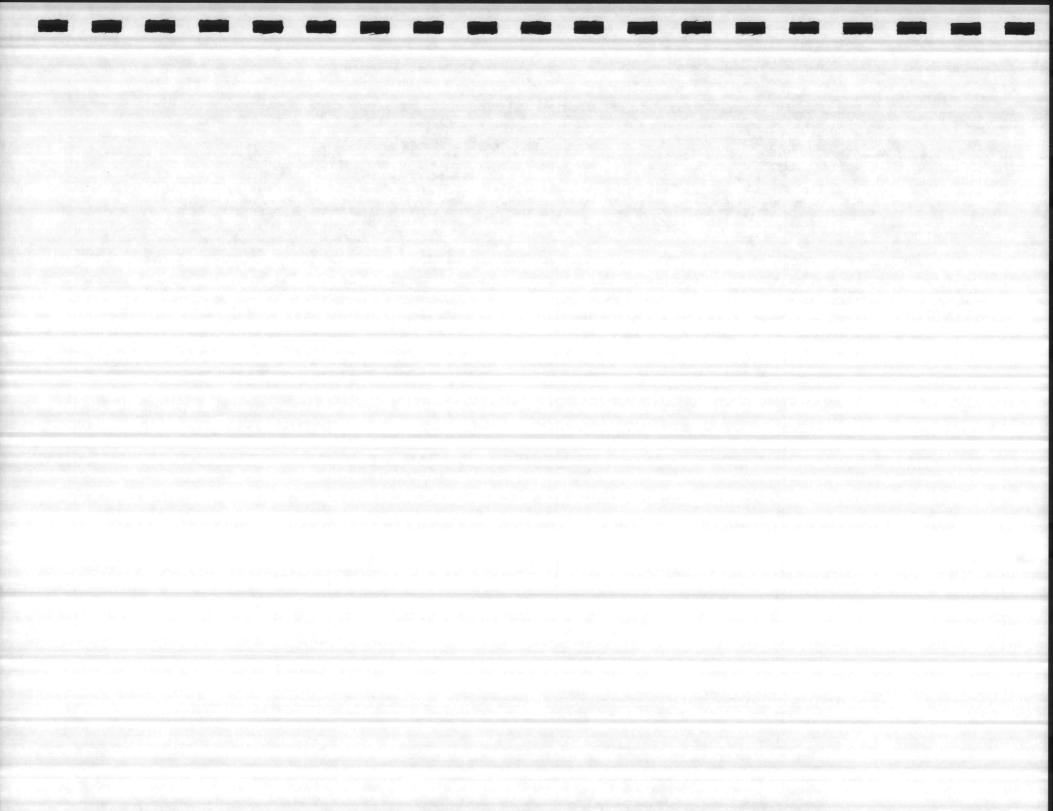
LFRTS-P-0001

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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Neapon Types Used on the Range	.22-cal, .38-cal, .45-cal, 9-mm, shotgun, M16, M40A1		
 21imate		•	
Seasonal. Tropic. Temperate. Arctic. Desert. All-Weather (Indoor) Other.	X	NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp	100		
Percentage Desert Percentage Beach Percentage Level Percentage Water		NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other		NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010012 PAGE 3 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



LATAR RANGE/FACILITY I	INVENTORY DATA FORM	(LFRTS-P-0001)	(CONTINUED)
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	14		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	80		· · · · · · · · · · · · · · · · · · ·
Number of Days per Year the Range/Facility is Available	350		
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

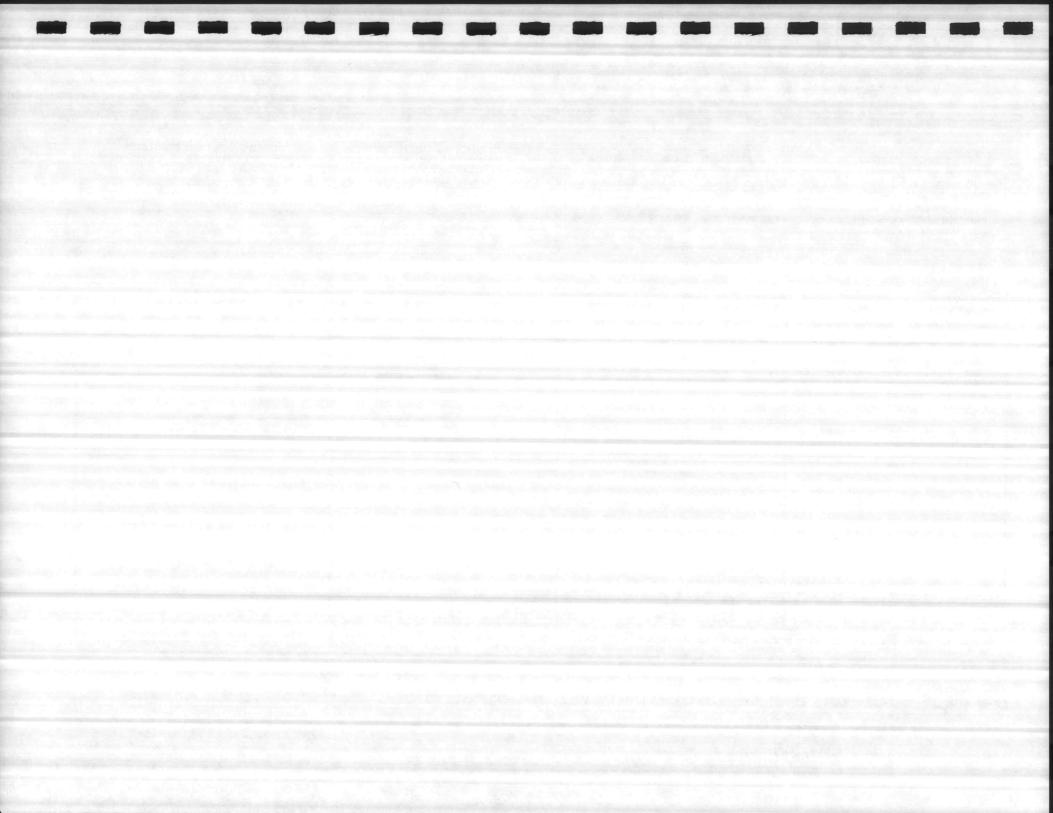
FILE NAME: LP010012 PAGE 4 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

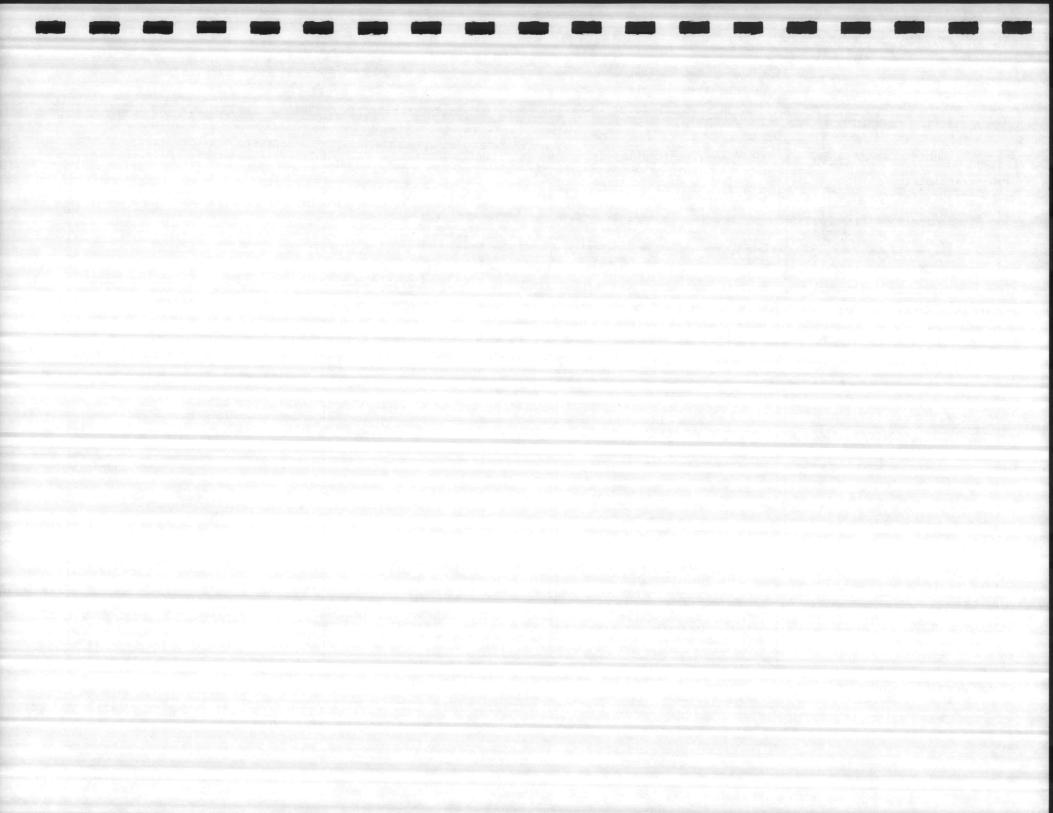
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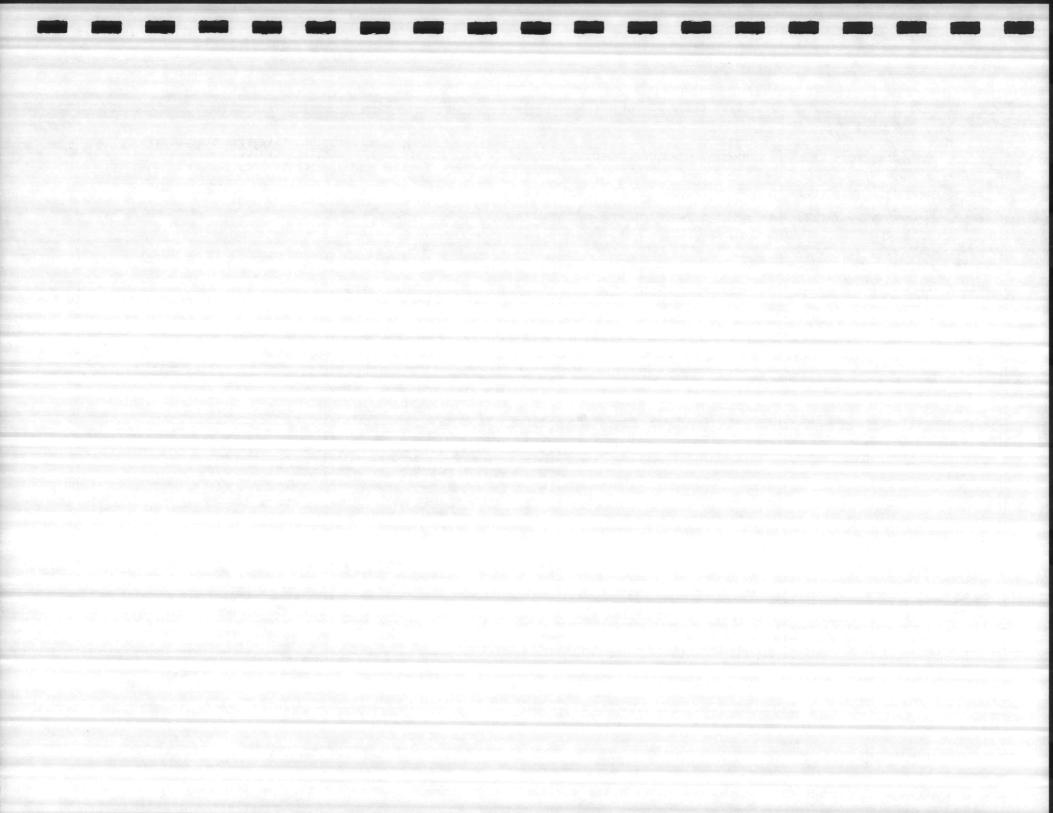


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	15 15 	0	0
o chick manifor million the start	FA Maneuver Area F-2, GP-1		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	NA		
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	 NA		
		· · · · · · · · · · · · · · · · · · ·	

FILE NAME: LP010012 PAGE 5 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
estrictions on Range Use Environmental	NA		
AICUZ FAA	scholer mans of Ankelitat	a contraction of the second second second	
Noise Gas/Chemical	a a survey and the second state of the second	and a second state of the second s	ter a serie and a second s
Pyrotechnics/Flare Time of Day			n and an antipation and a second s
Time of Year Other			
other			
	and the second		
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na na kapatan kapatan kata kata kata kata kata kata kata			
	n sen en e		
LE NAME: LP010012	RANGE/FACILITY MANAGER: D.		- LFRTS-P-00



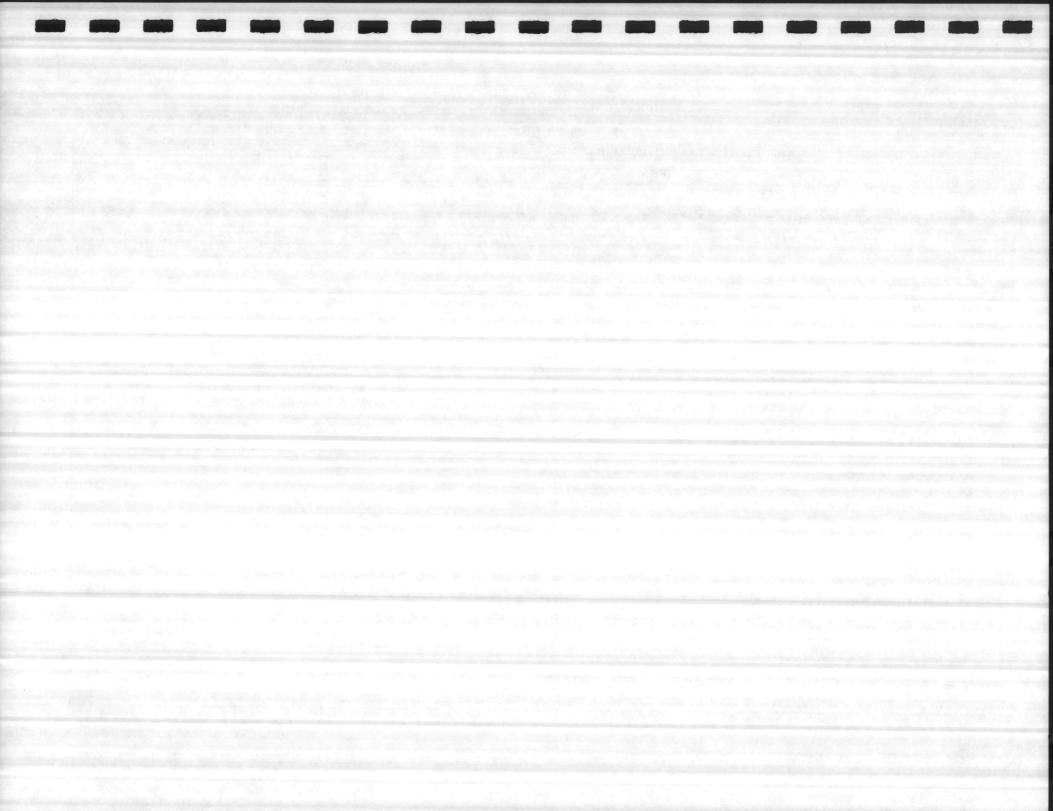
SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

RANGE NAME AND LOCATION: F-6 Hand Grenade Range, MCB, Camp Lejeune, NC Hand Grenade Range INSTRUCTIONS:

-- One form for each range/facility/simulator
 -- Fill in data elements as appropriate
 -- Use right column for new or improved ranges needed

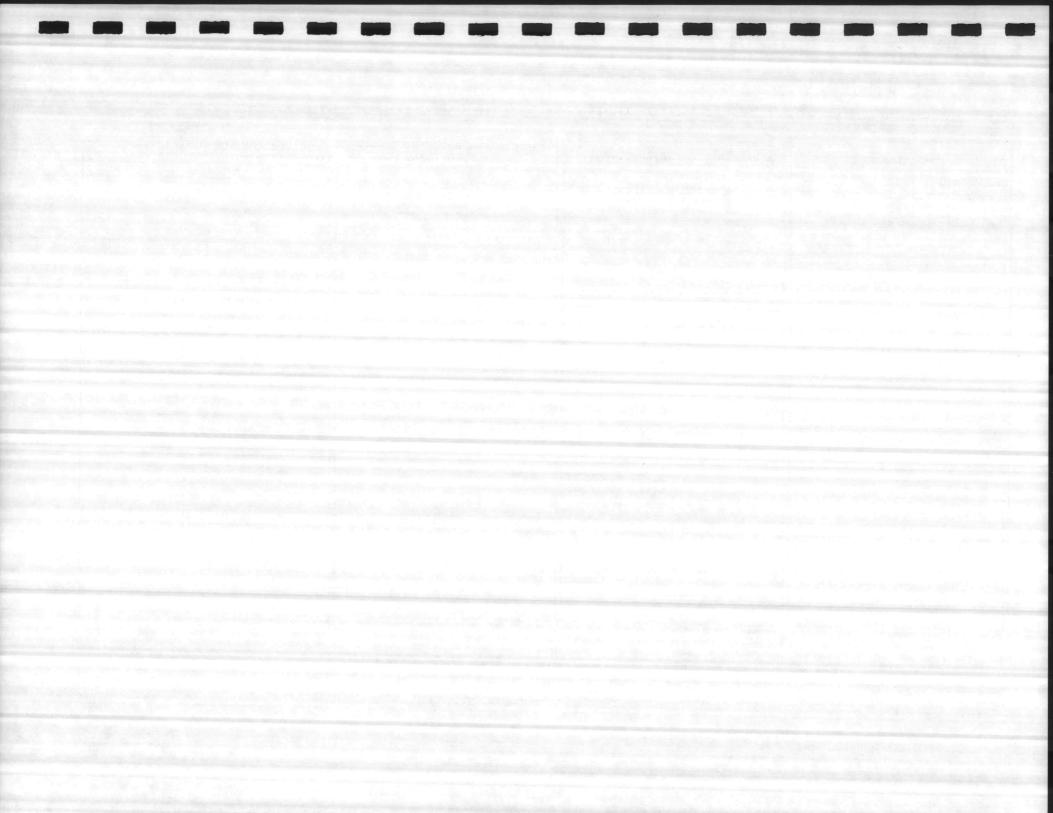
TYPE	RANGE FACILITY:
X	Live-Fire Full Caliber
	Live-Fire Subcaliber
	Simulator
1	Maneuver Area
	Associated Air Space
Contraction of the second	Other
X	Laser

PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
.9 X .9		
NA		
To 17,999 ft; 399 sq km		
TP876381		
 NA 		- ·
 5 		
x		
	 .9 X .9 NA To 17,999 ft; 399 sq km TP876381 NA NA	PRESENT CHARACTERISTICS (INCLUDE YEAR) .9 X .9 NA To 17,999 ft; 399 sq km TP876381



LATAR	RANGE,	/FACILITY	INVENTORY	DATA	FORM	(LFRTS-P-0001)	(CONTINUED)	

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Range Facilities (continued)Demonstration AreaHead FacilityAmmunition BunkerWater SystemElectrical SystemClassroomBivouac SiteOther	X Throwing Pits	ê	
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Target Types Pop-up Stationary Moving Revolving Other	NA 		
Are There Associated Simulation Devices? Yes, No, NA	NA		



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	hand grenade		
Climate Seasonal	×		
Tropic Temperate Arctic Desert. All-Weather (Indoor) Other		NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling	100		
Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water		NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh		NOT APPLICABLE	NOT APPLICABLE
Percentage Loamy Percentage Other			

FILE NAME: LP010013 PAGE 3 OF 6 DATE: 03/05/87

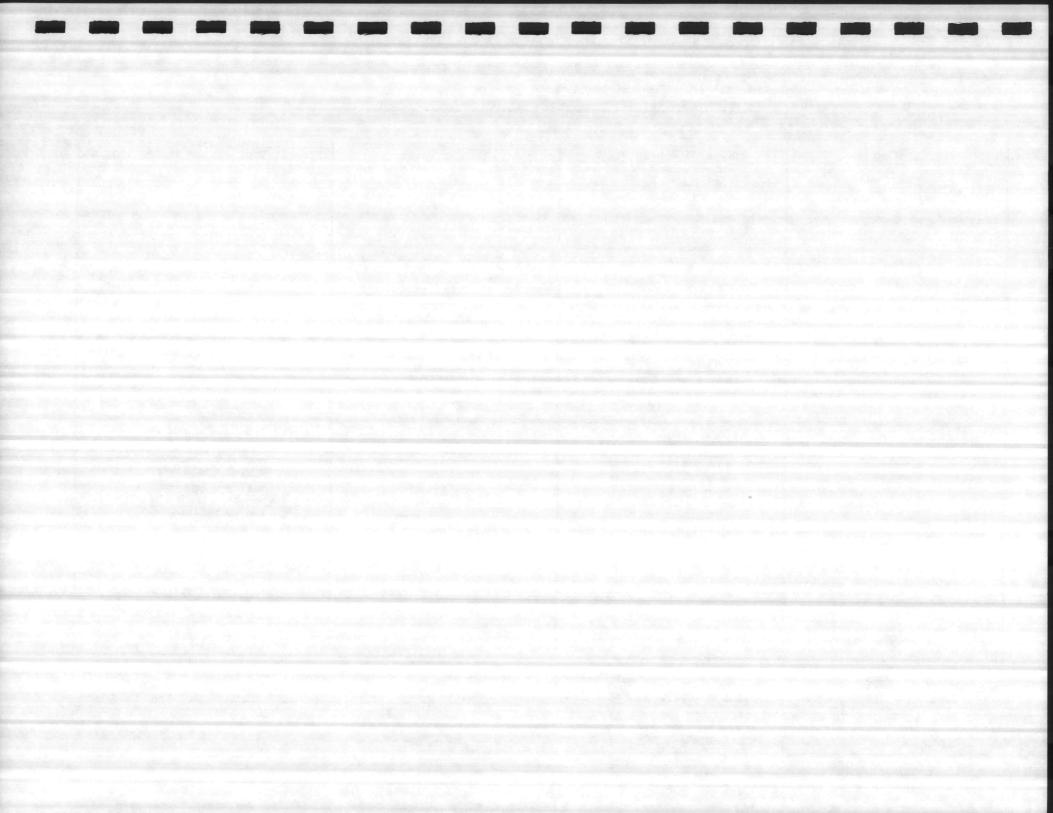
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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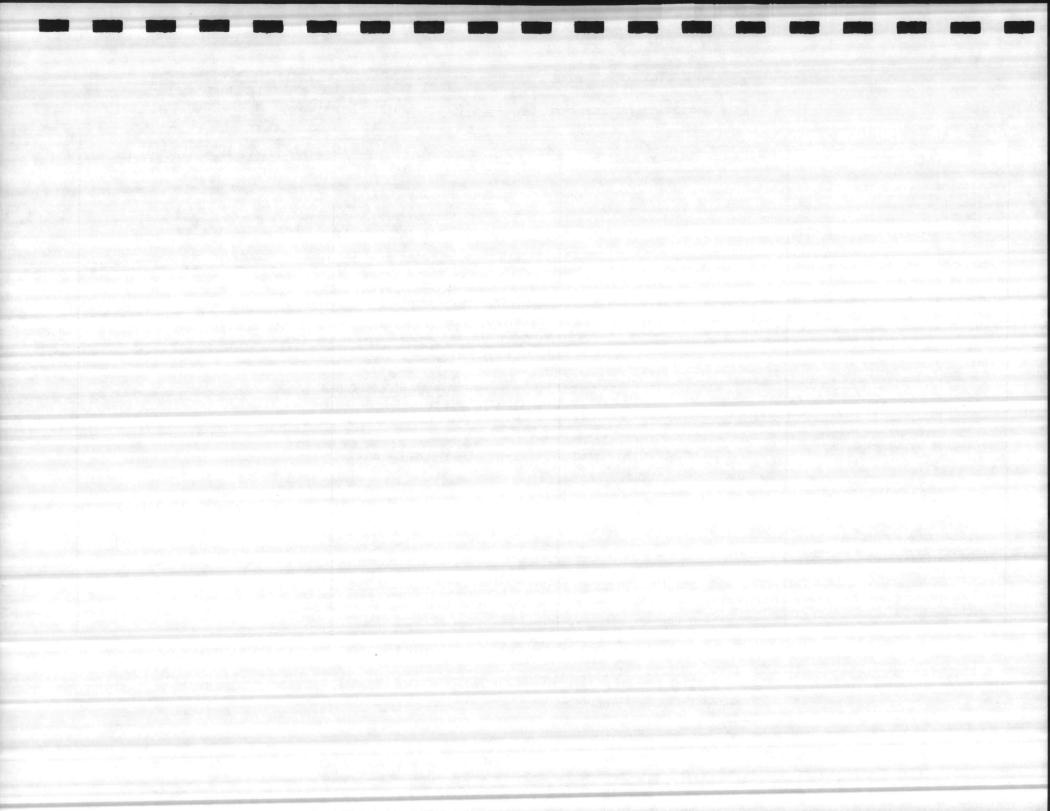


PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
100		
1		
4 3 4		
125		
360		
No		
	100	PRESENT CHARACTERISTICS (INCLUDE YEAR) 100

FILE NAME: LP010013 PAGE 4 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	5	0	0
Other Ranges Which Must Be Closed When This Range is in Use	NA		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes EOD only downrange		
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	Yes Cease fire 1 hour prior to dusk		

FILE NAME: LP010013 PAGE 5 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._

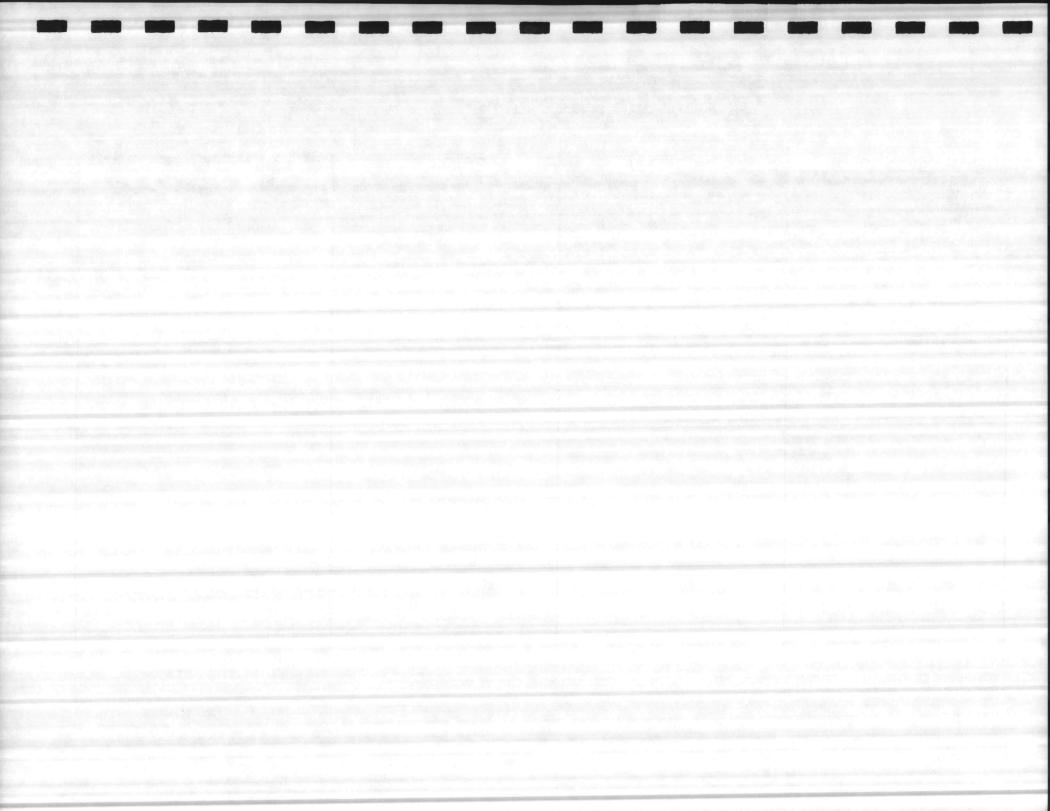
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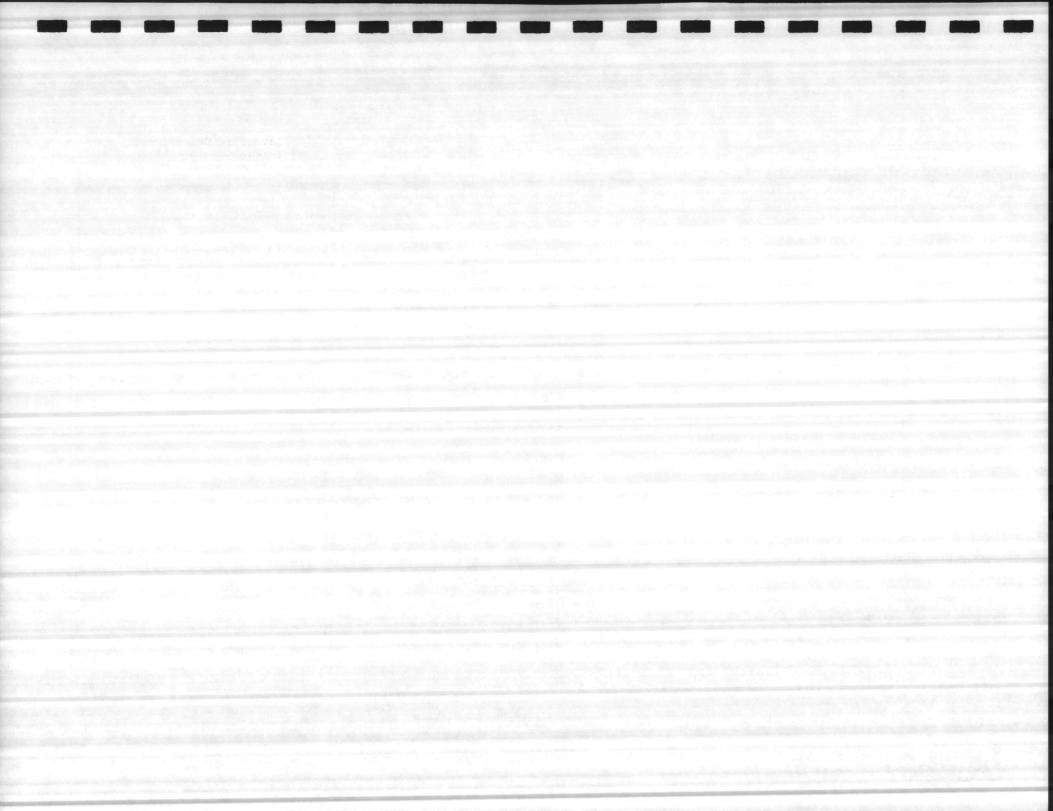
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Environmental AICUZ	NA		
FAA Noise Gas/Chemical Pyrotechnics/Flare			
Time of Day Time of Year Other			
and the second region of the second second			

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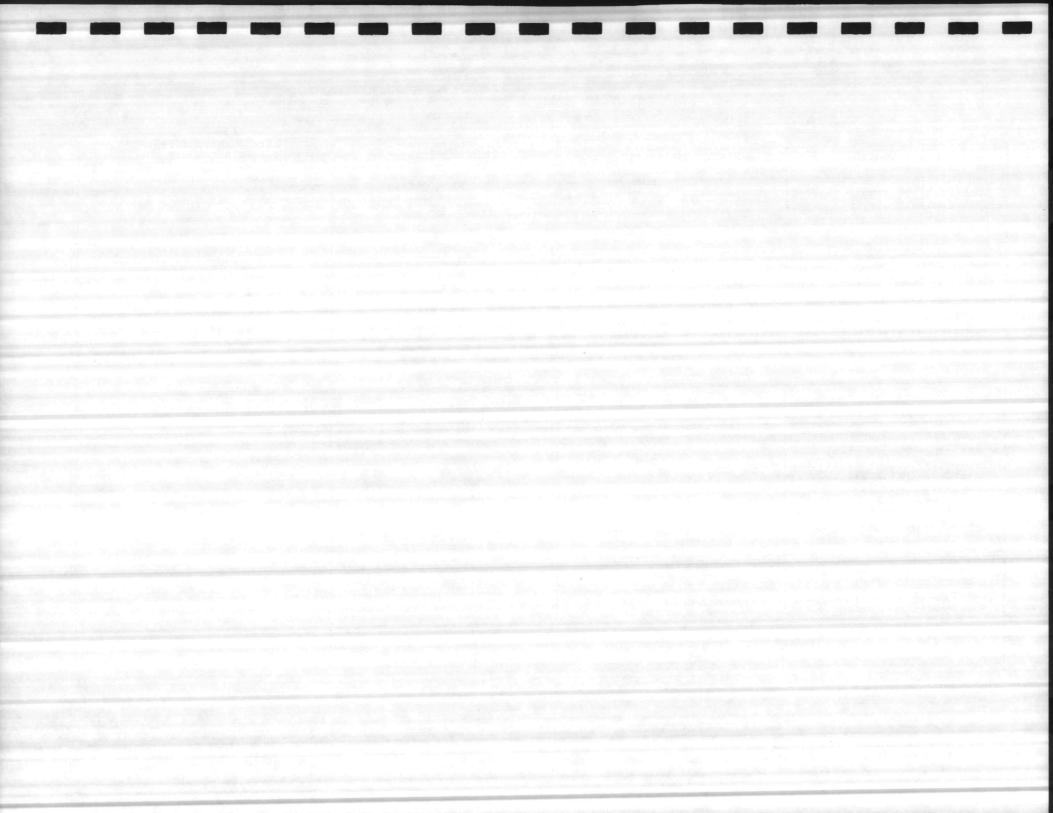
SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

RANGE NAME AND LOCATION: F-11 Rifle/Pistol Range, MCB, Camp Lejeune, NC Rifle/Pistol Range INSTRUCTIONS:

-- One form for each range/facility/simulator -- Fill in data elements as appropriate -- Use right column for new or improved ranges needed

TY PE	RANGE FACILITY:
X	Live-Fire Full Caliber
	Live-Fire Subcaliber
	Simulator
- and the second	Maneuver Area
The start	Associated Air Space
	Other

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS
Range Shape and Dimensions Dimensions (km)	3.55 X 1		
Primary Direction of Fire	1749 MILS/98 degrees		
Associated Air Space	To 17,999 ft; 399 sq km		
Coordinates	TP869394		
	n ann an Anna a Anna an Anna an	•	
Safety Buffer Rear (km) Sides (km) Altitude (ft)	NA		
Number of Firing Points/ Stations	22 rifle 15 pistol	-	
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area	X X		



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued)Demonstration Area.Head Facility.Ammunition Bunker.Water System.Electrical System.Classroom.Bivouac Site.Other.	X		
Felemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Target Types Pop-up Stationary Moving Revolving Other			
Are There Associated Simulation Devices? Yes, No, NA	NA		

PAGE 2 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

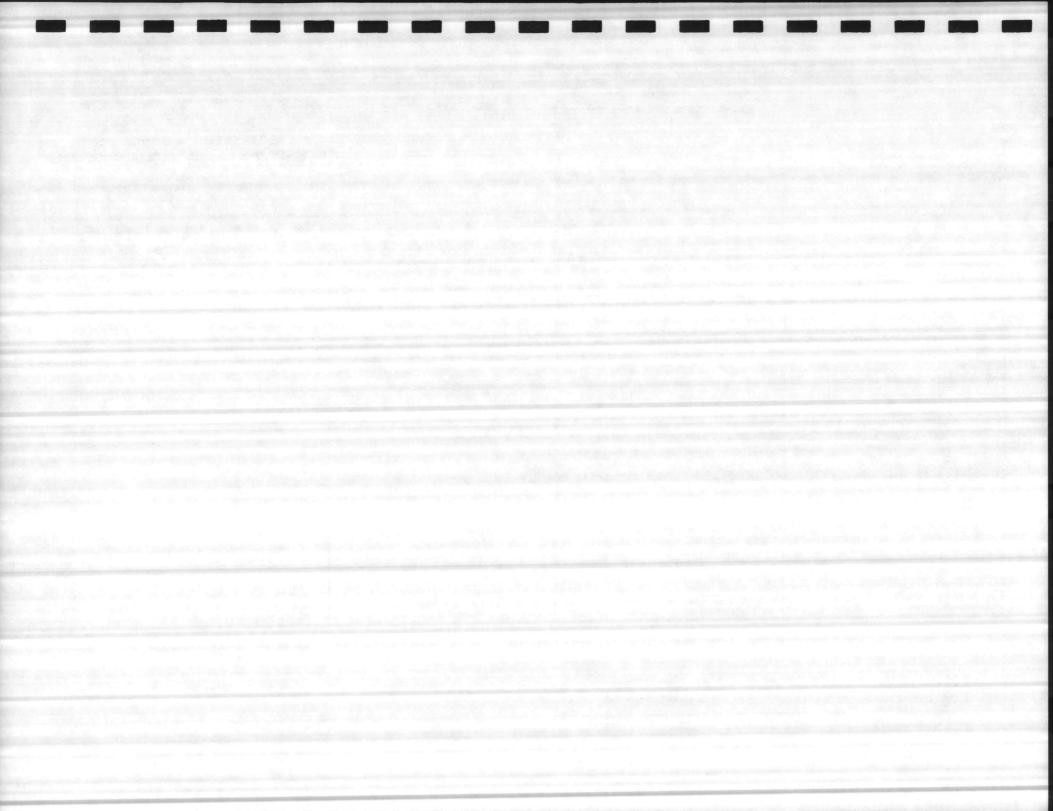
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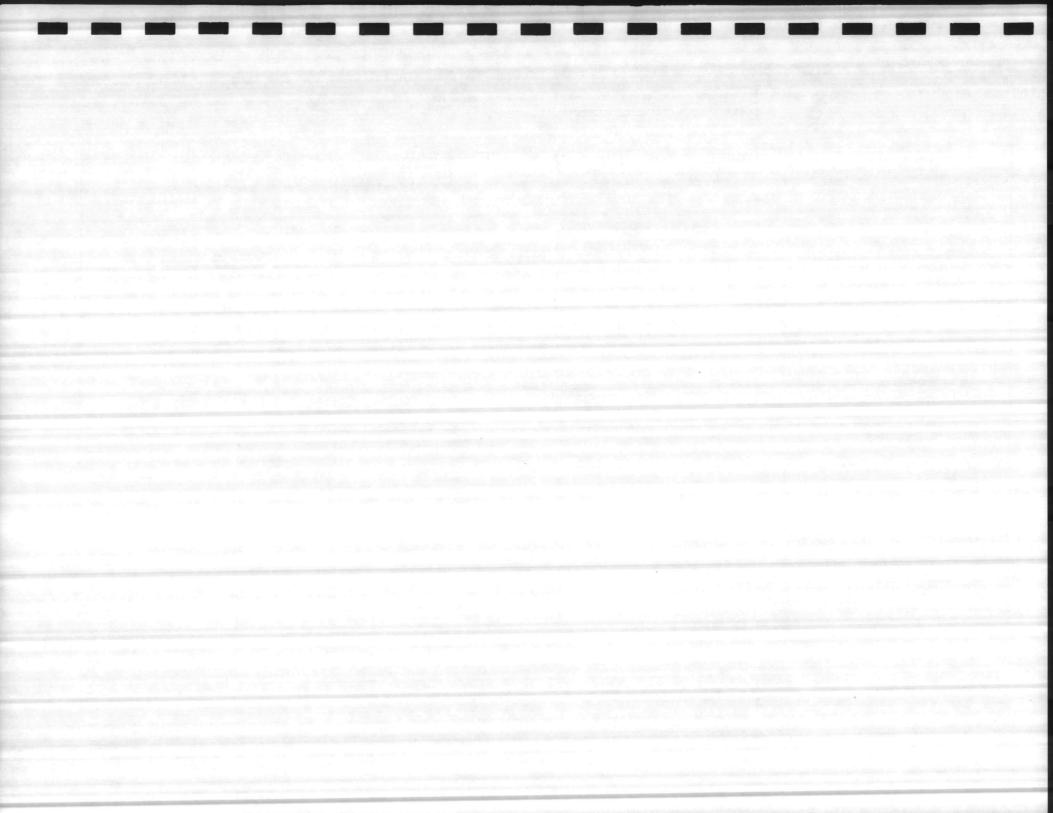


PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
.22-cal, .38-cal, .45-cal, 9-mm, shotgun, Ml6		
x	NOT APPLICABLE	NOT APPLICABLE
100	NOT APPLICABLE	NOT APPLICABLE
100	NOT APPLICABLE	NOT APPLICABLE
	.22-cal, .38-cal, .45-cal, 9-mm, shotgun, M16 	PRESENT CHARACTERISTICS (INCLUDE YEAR) .22-cal, .38-cal, .45-cal, 9-mm, shotgun, M16

FILE NAME: LP010014 PAGE 3 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._

LFRTS-P-0001



LATAR	RANGE/FACILITY	INVENTORY	DATA	FORM	(LFRTS-P-0001)	(CONTINUED)
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100	······	
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	2		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	100		
Number of Days per Year the Range/Facility is Available	350		
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

FILE NAME: LP010014 PAGE 4 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

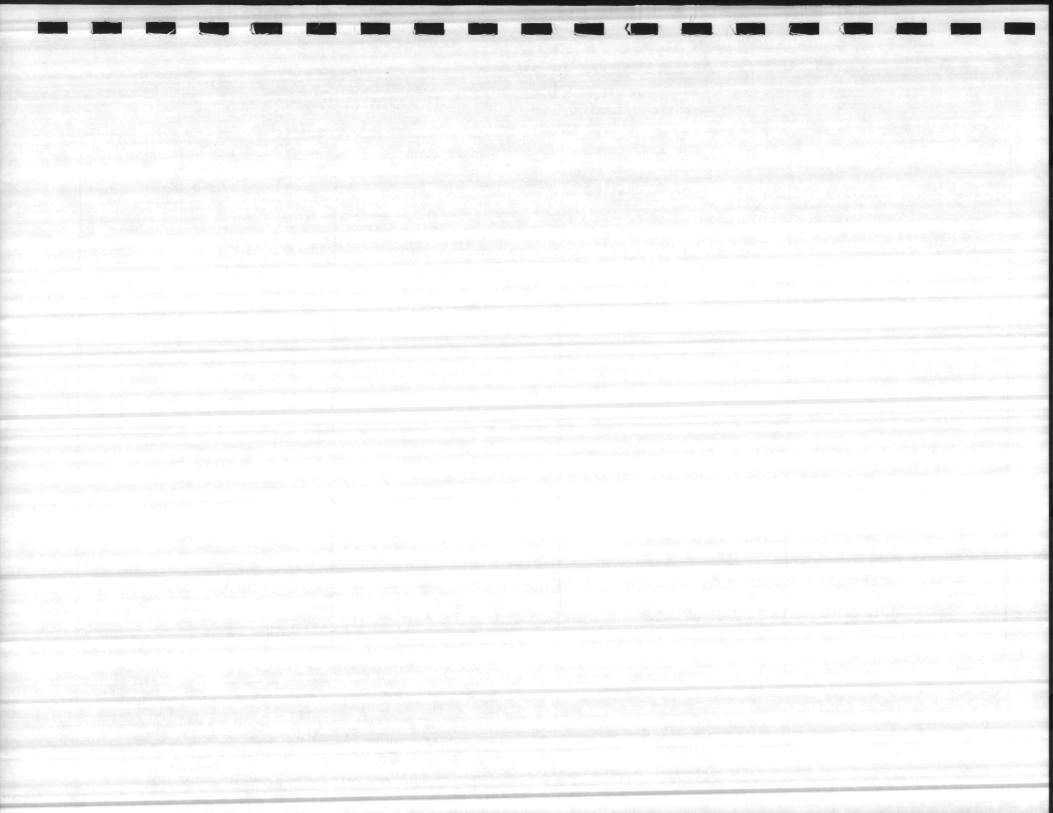
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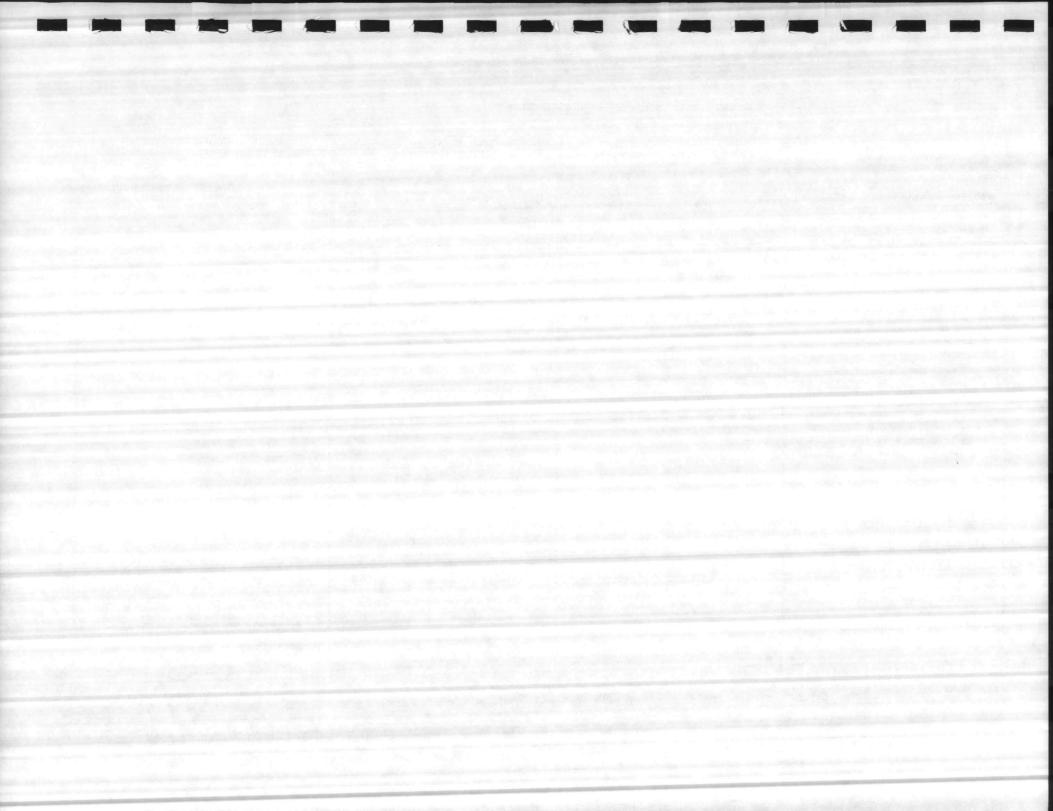


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total. Maintenance. Weather. Budget. Fire Condition/Weather. Weekends/Holidays. Other.	15 15 	0	0
Other Ranges Which Must Be Closed When This Range is in Use	F-18		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	NA		
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	NA		

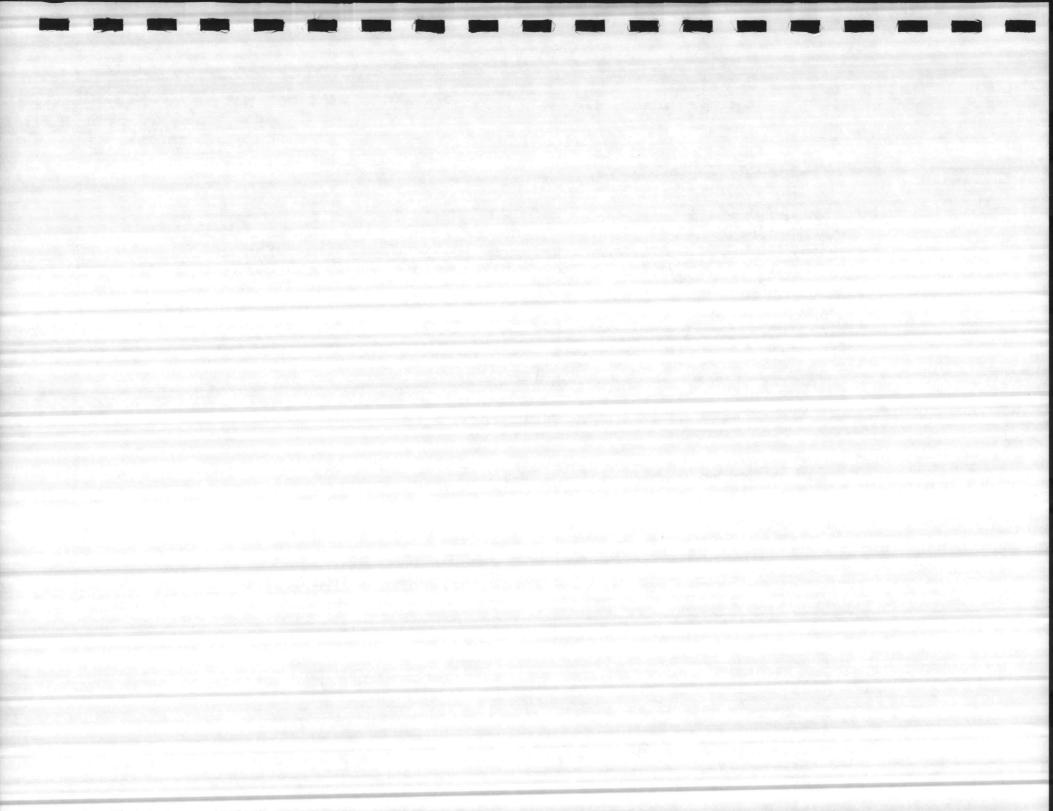
FILE NAME: LP010014 PAGE 5 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
estrictions on Range Use	NA		
Environmental			
FAA		- Contracting and the second second second	A Part of the second second second second second
Noise	and the second		a second second second second second second
Gas/Chemical Pyrotechnics/Flare	The second	and the second second second second	
Time of Day Time of Year		and the second second second	
Other			
	the second se	A second second second second second second second	
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		등 방법은 문양 방법이 가슴을 받았다.	이 이 지지 않는 것을 생각하는 것이 없는 것을 생각했다.
	a		
		성장 이상은 것은 것이 같아. 다음이 다 나라 있다.	
	Provident State States and a		
		일 없는 것이 같이 많은 사람들이 있다.	병 이렇지 아랫 아파는 물건을 얻는 것이 없다.
	그는 이 같은 것이 아주지 않는 것이 않는 것이 없다.		Mandarate and the state of the second second
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		지 이 가지 않는 것 같은 것 같은 것 같은 것	병임 경험적성 주장이 고영을 썼다. 그는 다
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		경험 그는 방법에 관망한 것이라고 없다.	2019년 1월 1999년 1 1999년 1999년 199 1999년 1999년 199
	선생님이 가지도 그 것으셨다.		철물 방법에 가지 않는 것을 물을 가 없다.
LE NAME: LP010014			-



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

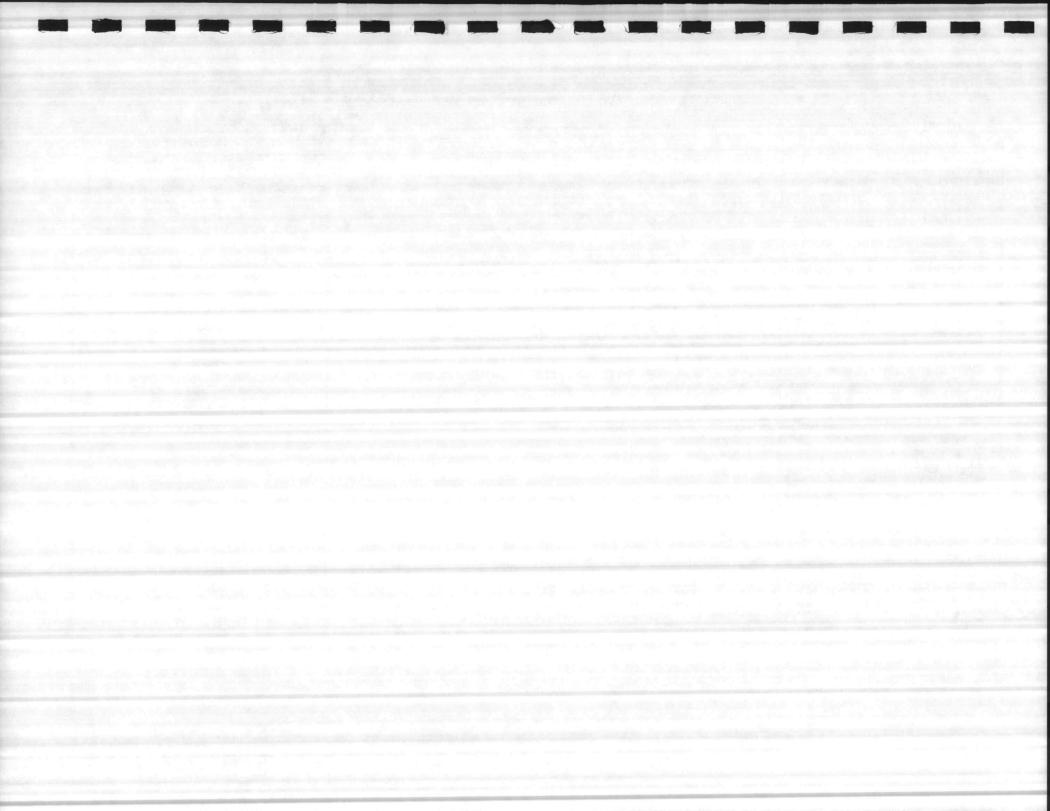
RANGE NAME AND LOCATION: F-12 Engineer Training Area, MCB, Camp Lejeune, NC Engineer Training Area INSTRUCTIONS:

-- One form for each range/facility/simulator

-- Fill in data elements as appropriate -- Use right column for new or improved ranges needed

TY PE	RANGE FACILITY:
X	Live-Fire Full Caliber
1.5	Live-Fire Subcaliber
1 210	Simulator
	Maneuver Area
12.10.3635	Associated Air Space
X	Demolition
	The second se

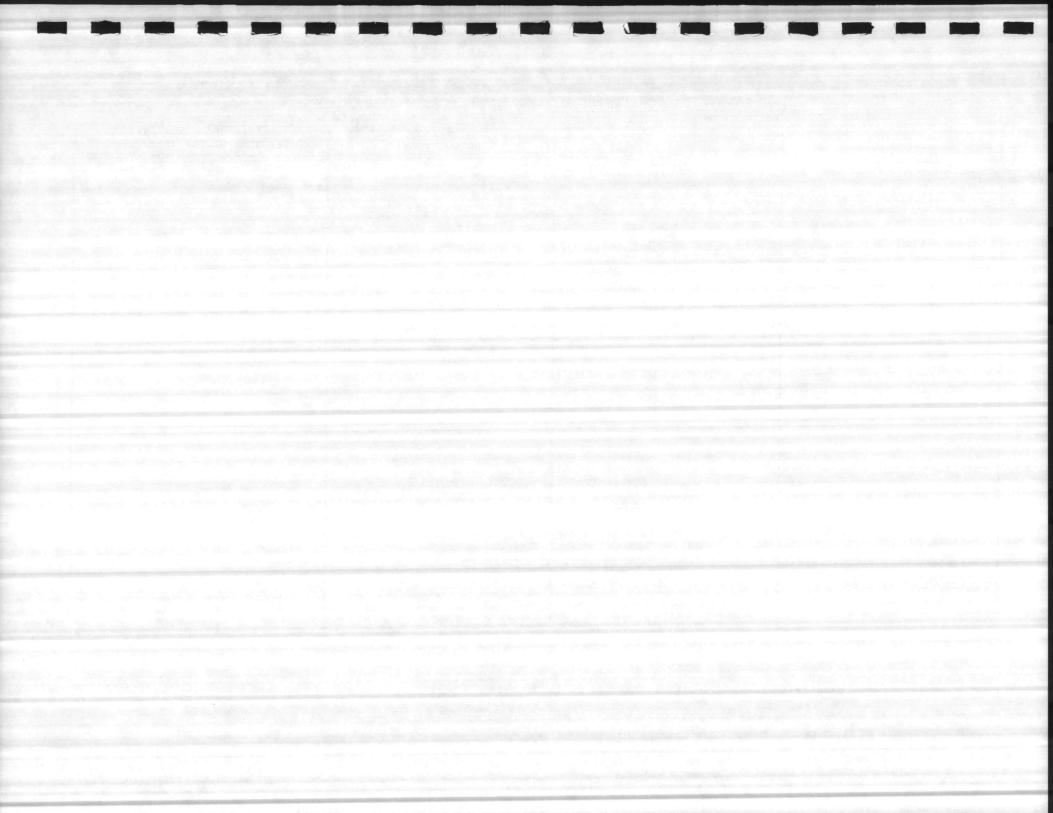
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Range Shape and Dimensions Dimensions (km)	1000 m sq		
Primary Direction of Fire	NA		
Associated Air Space	To 17,999 ft; 399 sq km		
Coordinates	TP8740		
Gafety Buffer	 NA		
Rear (km) Sides (km) Altitude (ft)			
Number of Firing Points/ Stations	Undefined		
Range Facilities Control Tower Communications System Target Shed Utility Building	X 		
Aid Station. Parking Area. Viewing Area.	날랐는 김 모습이 가슴이 다.		



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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site Other			
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Target Types Pop-up Stationary Moving Revolving Other	NA		•
Are There Associated Simulation Devices? Yes, No, NA	NA		



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS
Weapon Types Used on the Range	demolitions (15 lbs max)		
Climate Seasonal Tropic. Temperate. Arctic. Desert. All-Weather (Indoor) Other.		NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water		NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	100 	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010015 PAGE 3 OF 6 DATE: 03/05/87

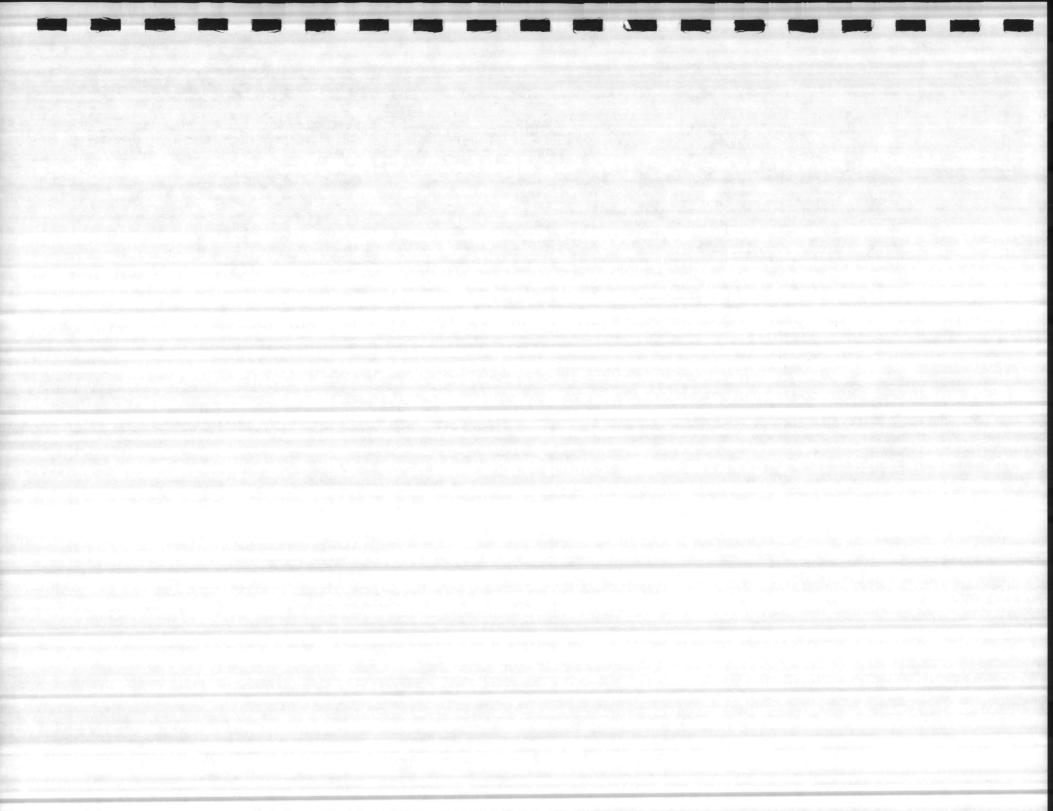
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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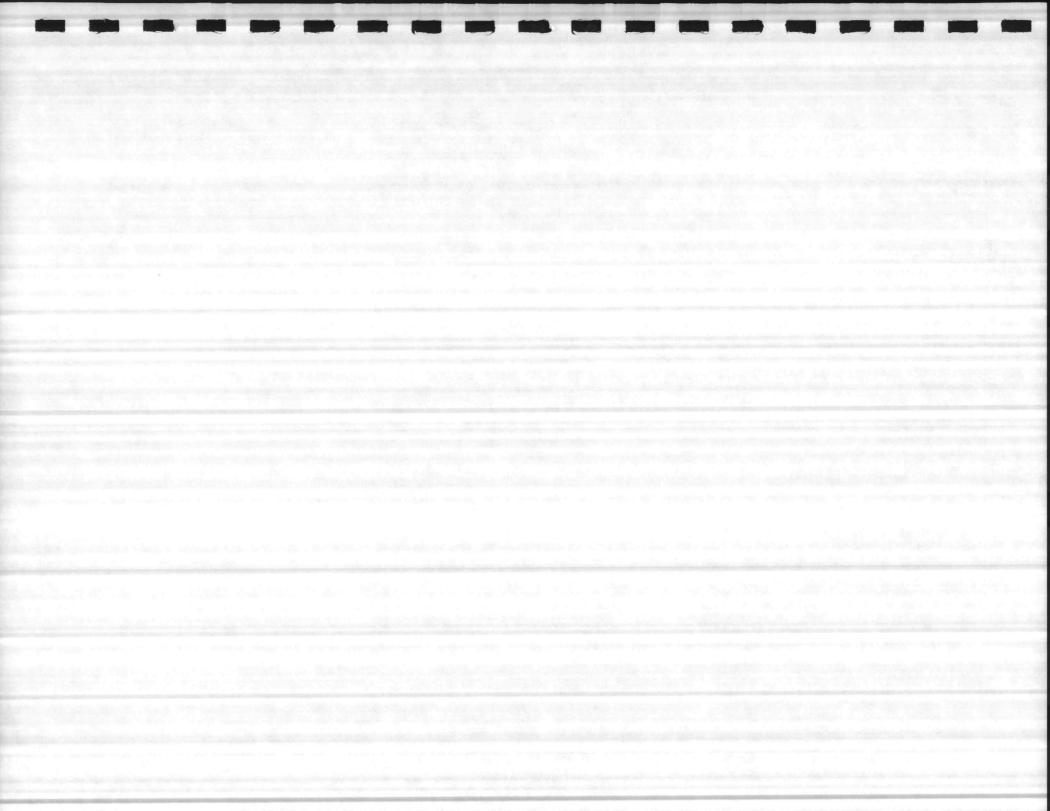


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100	······	
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas			
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	8		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	i	· · · · · · · · · · · · · · · · · · ·	
Number of Days per Year the Range/Facility is Available	 360 	·	
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

FILE NAME: LP010015 DATE: 03/05/87 PAGE 4 OF 6

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001



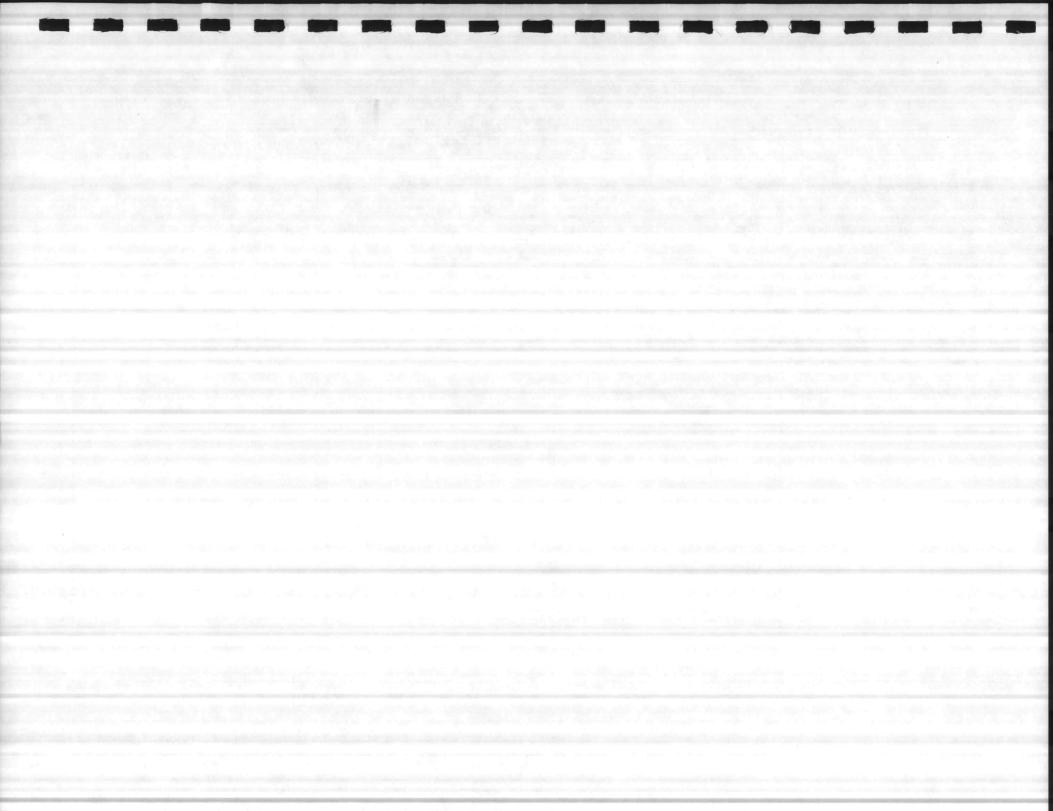
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	5	0	0
Other Ranges Which Must Be Closed When This Range is in Use	 NA		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	NA		
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	NA		

FILE NAME: LP010015 PAGE 5 OF 6 DATE: 03/05/87

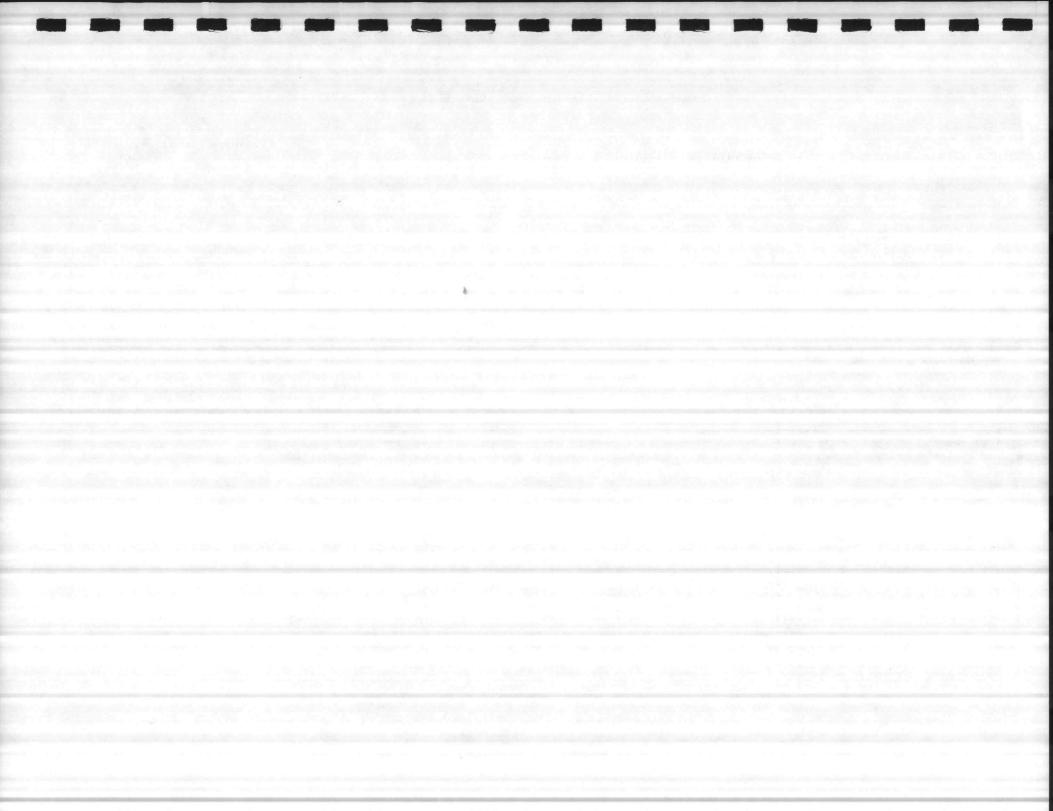
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
strictions on Range Use Environmental	X Woodpecker habitat		
AICUZ FAA		and a second	in the second
Noise		a han the standard strength of participation	in the second
Gas/Chemical Pyrotechnics/Flare	the state of the s	the state of the s	a second s
Time of Day			
Time of Year Other			
Jener			
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	and the second started and second started started and started and started and started and started start		
	The second distance when the second		
	and the second states of the second states		
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		생활은 가슴을 알고 있는 것이 없는 것이다.	1월 2월



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

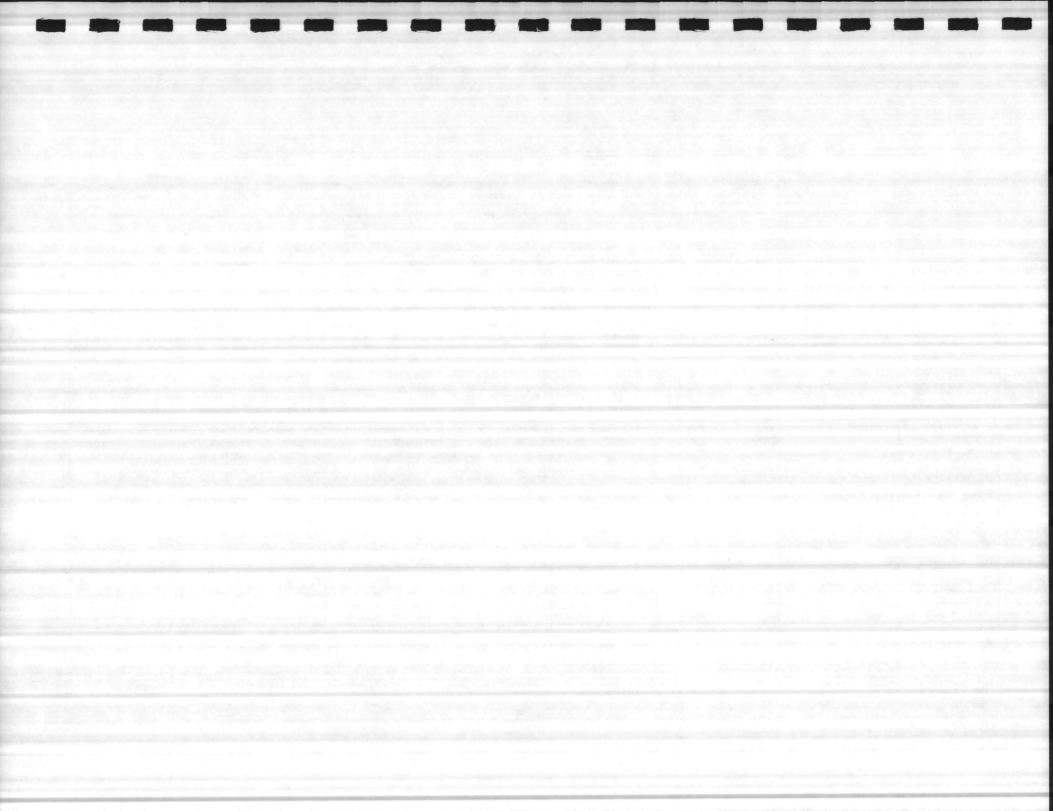
TYPE RANGE FACILITY: Live-Fire Full Caliber X Live-Fire Subcaliber Simulator Maneuver Area Associated Air Space Other

RANGE NAME AND LOCATION: F-18 Night Firing/Artillery Subcaliber Range, MCB, Camp Lejeune, NC Night Firing/Artillery Subcaliber Range INSTRUCTIONS:

-- One form for each range/facility/simulator -- Fill in data elements as appropriate

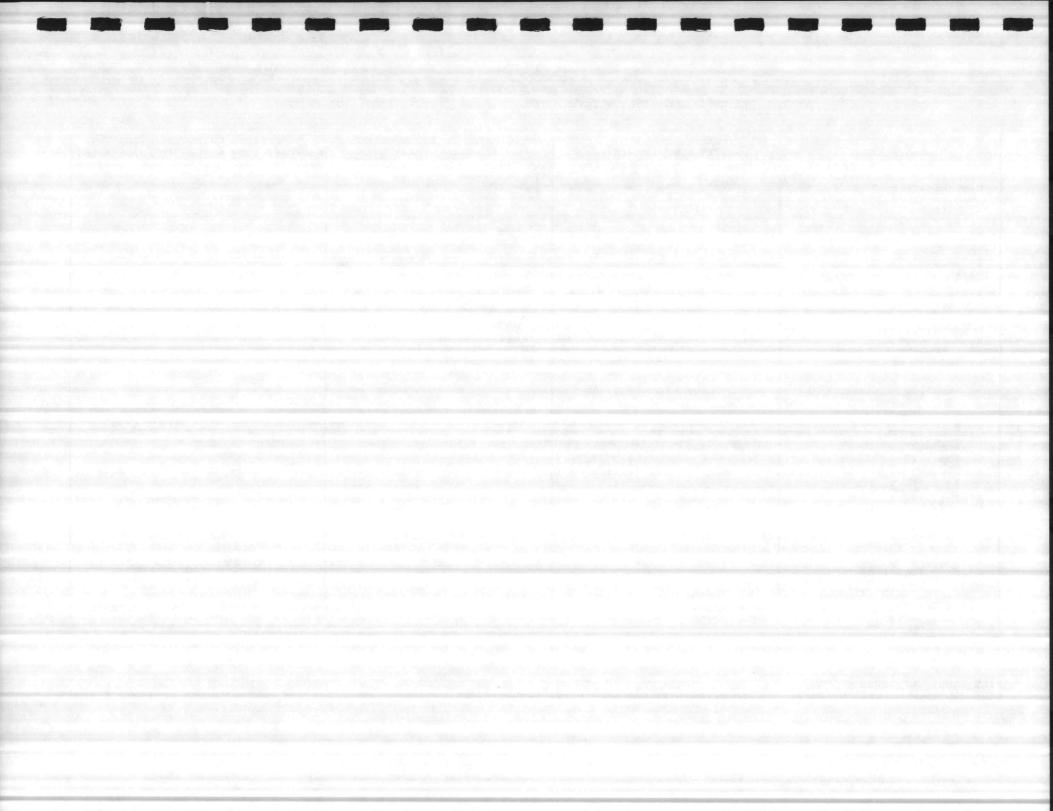
-- Use right column for new or improved ranges needed

PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
3.45 X 1.05		
1364 MILS/78 degrees		
 To 17,999 ft; 399 sq km		
TP871392		
 NA 		
12		
 x	-	
X		
	3.45 X 1.05 1364 MILS/78 degrees To 17,999 ft; 399 sq km TP871392 NA	PRESENT CHARACTERISTICS (INCLUDE YEAR) 3.45 X 1.05 1364 MILS/78 degrees To 17,999 ft; 399 sq km TP871392 INA Include Year) Include Year) Include Year) In



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site Other	x		
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other			
Target Types Pop-up Stationary Moving Revolving Other	x		· · · · · · · · · · · · · · · · · · ·
Are There Associated Simulation Devices? Yes, No, NA	NA		

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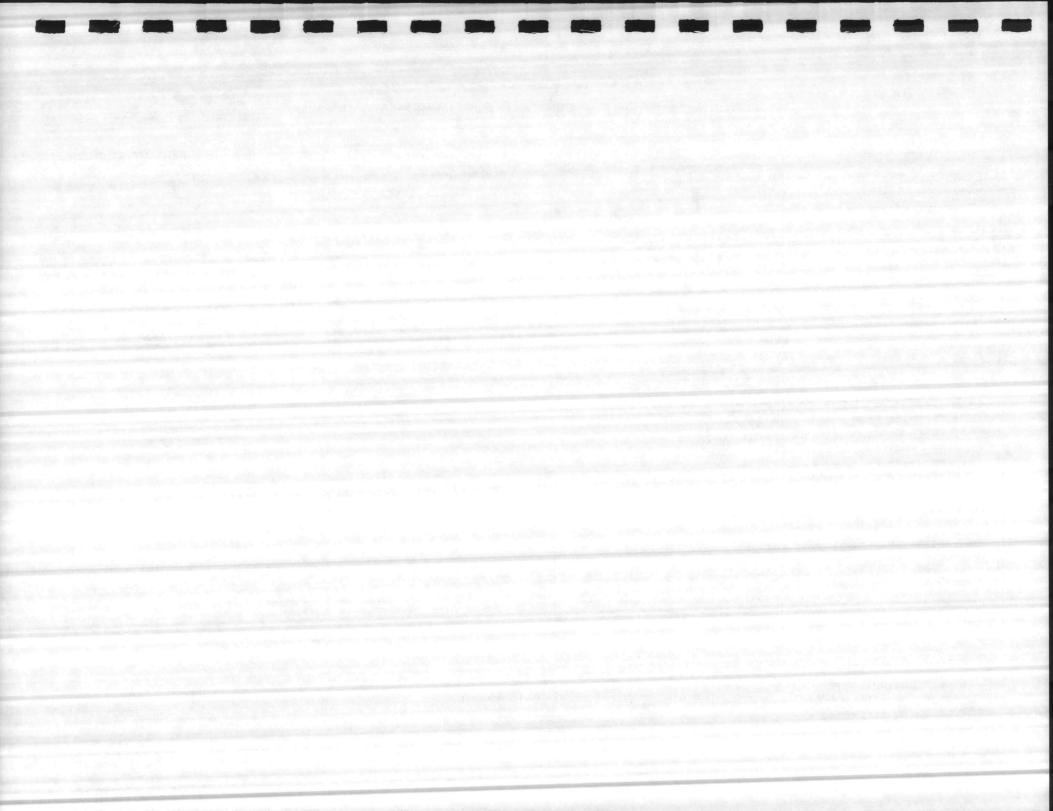


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	M16, 14.5-mm artillery sub- caliber, SAW		
		•	
Climate Seasonal. Tropic. Temperate. Arctic. Desert. All-Weather (Indoor). Other.		NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	100	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	100	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010016 PAGE 3 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001



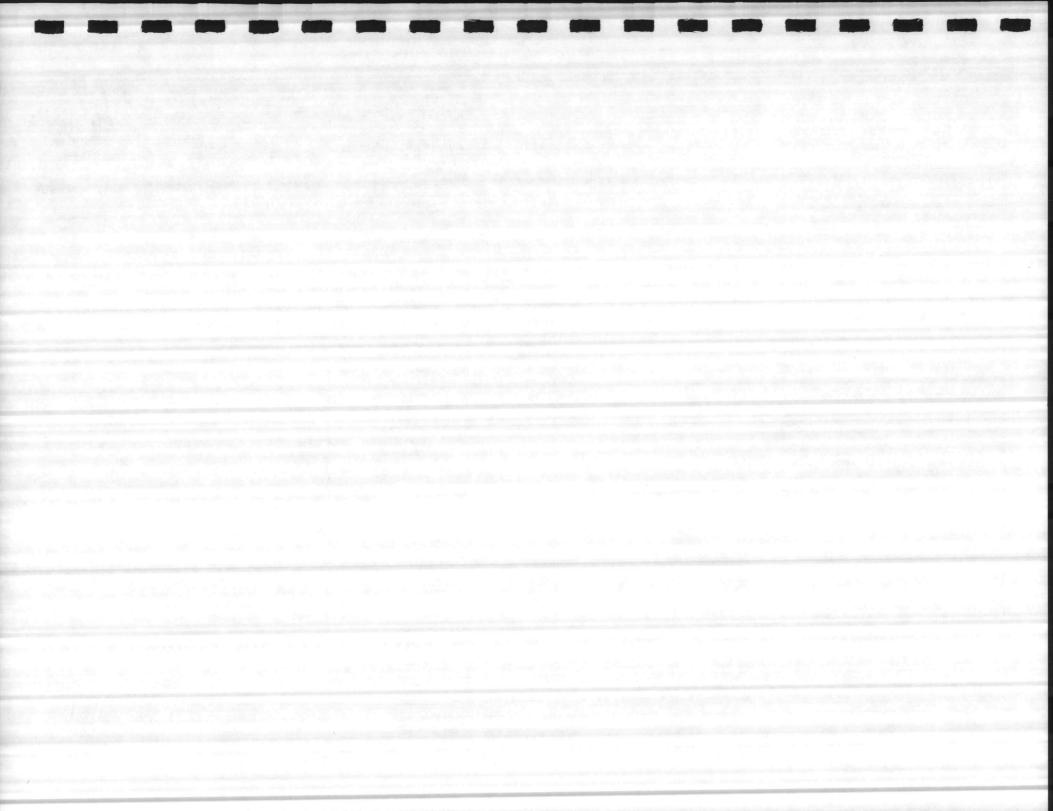
Vegetation Percentage None	DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
No. of Land Access Routes 1 No. of Air Ingress Routes	Percentage None Percentage Sparse Percentage Moderate	100		
POL (km)	No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes	1		
Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate Image/Facility is Available Is Range/Facility Capable of Nighttime Use?	POL (km) Ammunition (km)	2	·····	
Range/Facility is Available Is Range/Facility Capable of Nighttime Use?	Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos	100		
Nighttime Use?		350		
Yes, No		Yes		

FILE NAME: LP010016 PAGE 4 OF 6 DATE:

DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._

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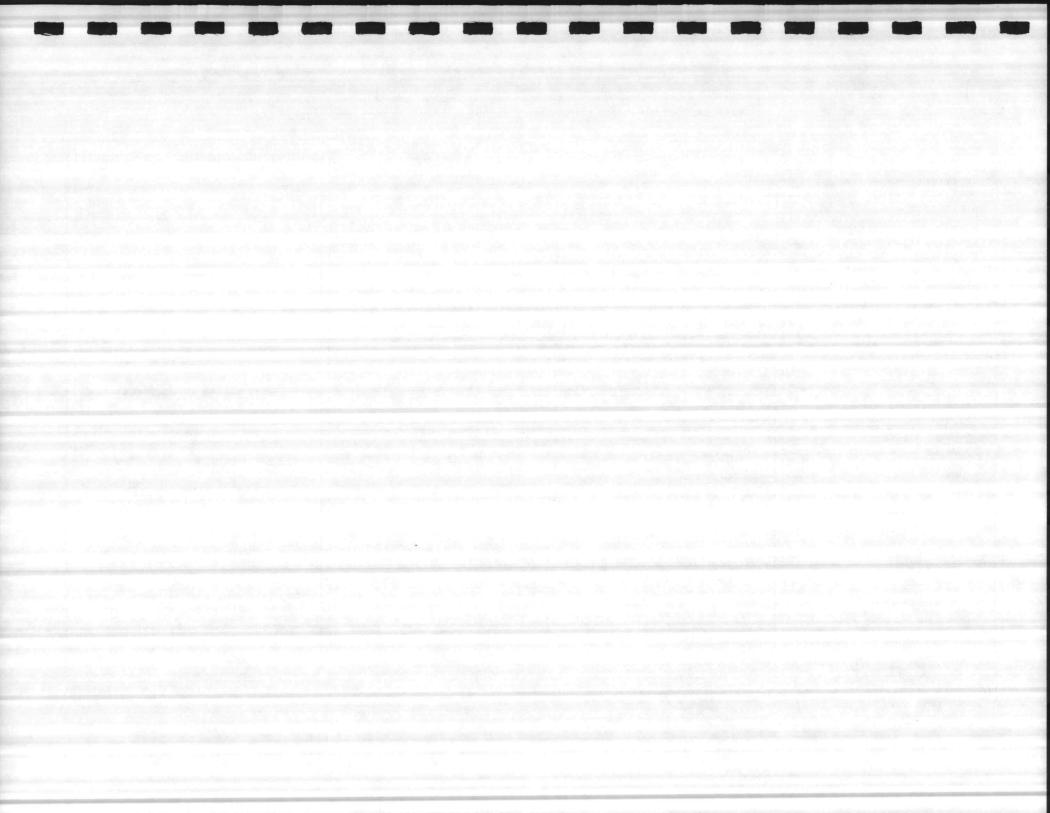
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	15	0	0
Other Ranges Which Must Be Closed When This Range is in Use	F-11		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes Road blocked		
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	Yes No downrange movement	· · · · · · · · · · · · · · · · · · ·	

FILE NAME: LP010016 PAGE 5 OF 6 DATE: 03/05/87

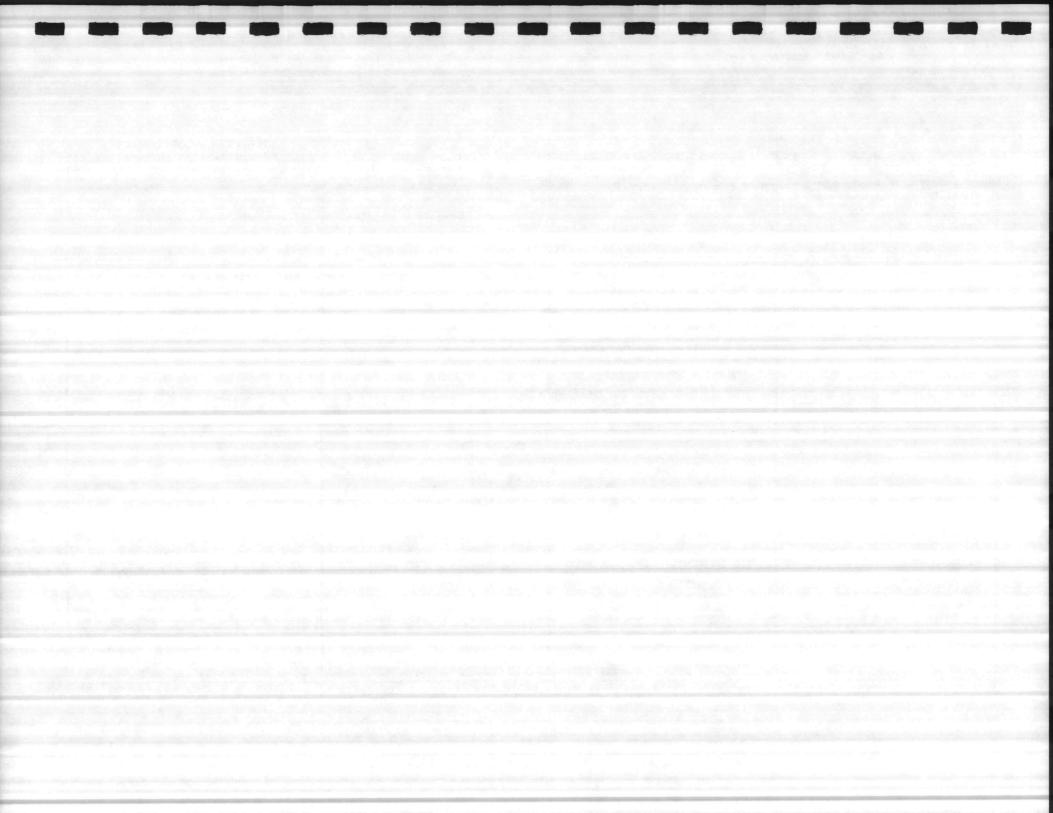
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._

LFRTS-P-0001

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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Environmental	NA		
FAA Noise Gas/Chemical Pyrotechnics/Flare			
Time of Year Other			
			-



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

RANGE NAME AND LOCATION: F-3 Field Firing Range, MCB, Camp Lejeune, NC Field Firing Range INSTRUCTIONS:

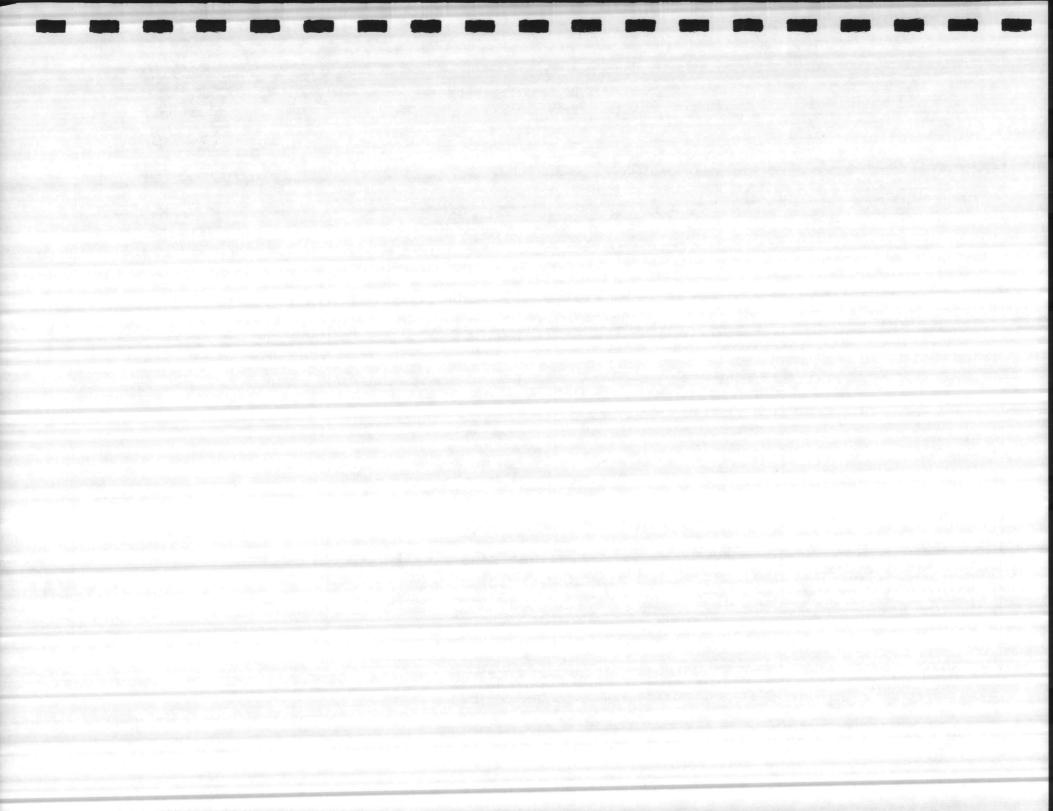
-- One form for each range/facility/simulator

-- Fill in data elements as appropriate

-- Use right column for new or improved ranges needed

TY PE	RANGE FACILITY:
X	Live-Fire Full Caliber
100	Live-Fire Subcaliber
	Simulator
120.00	Maneuver Area
	Associated Air Space
	Other
	The second s

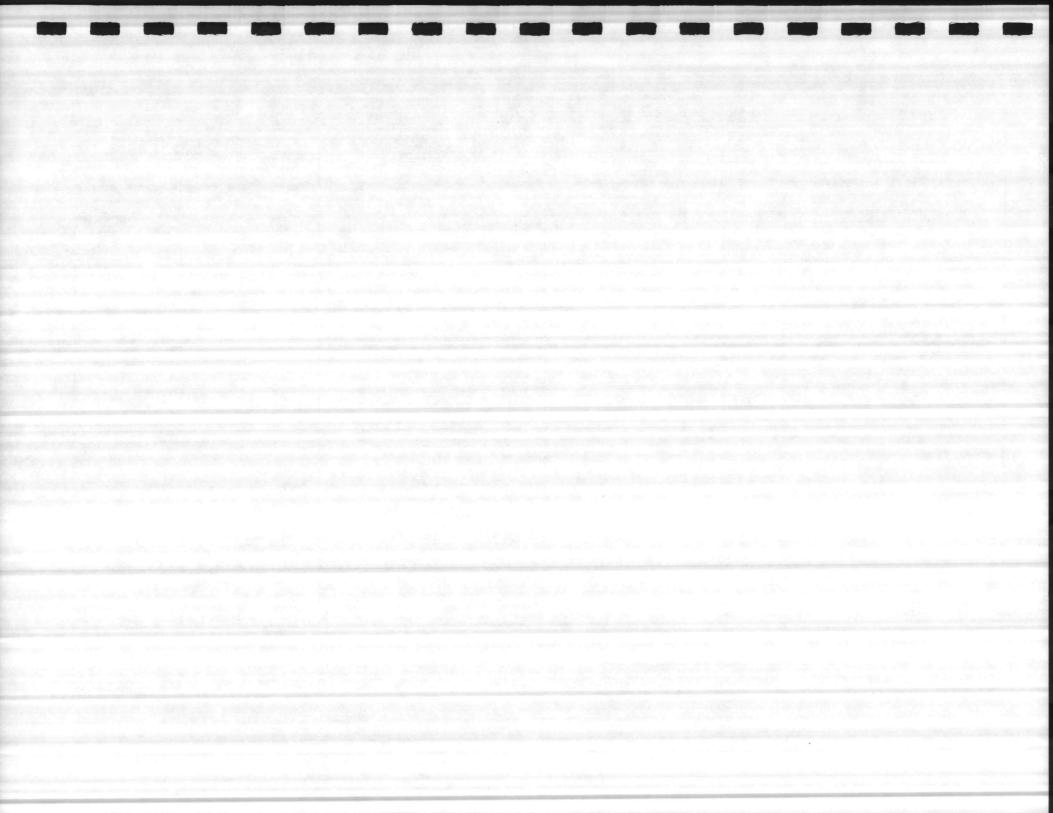
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Primary Direction of Fire	 3.5 X 1.35 5229 MILS/294 degrees To 17,999 ft; 399 sq km		
Coordinates	TP939379		
Safety Buffer Rear (km) Sides (km) Altitude (ft)	80 m		\ \ \
Number of Firing Points/ Stations	 Berm (squad) 13 men maximum 		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area.	X X .		



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site Other			
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Target Types Pop-up Stationary Moving Revolving Other	x		· · · · · · · · · · · · · · · · · · ·
Are There Associated Simulation Devices? Yes, No, NA	NA		

PAGE 2 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr



LATAR RANGE/FACILITY	INVENTORY	DATA	FORM	(LFRTS-P-0001)	(CONTINUED)
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	.38-cal, .45-cal, 9-mm, shotgun, M16, M60, SAW, M73 LAW, 1/4-lb demolitions		
Climate Seasonal Tropic Temperate Arctic. Desert All-Weather (Indoor) Other.		NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	100	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	95 5	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010017 PAGE 3 OF 6 DATE: 03/05/87

3/05/87 RANGE/FAG

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

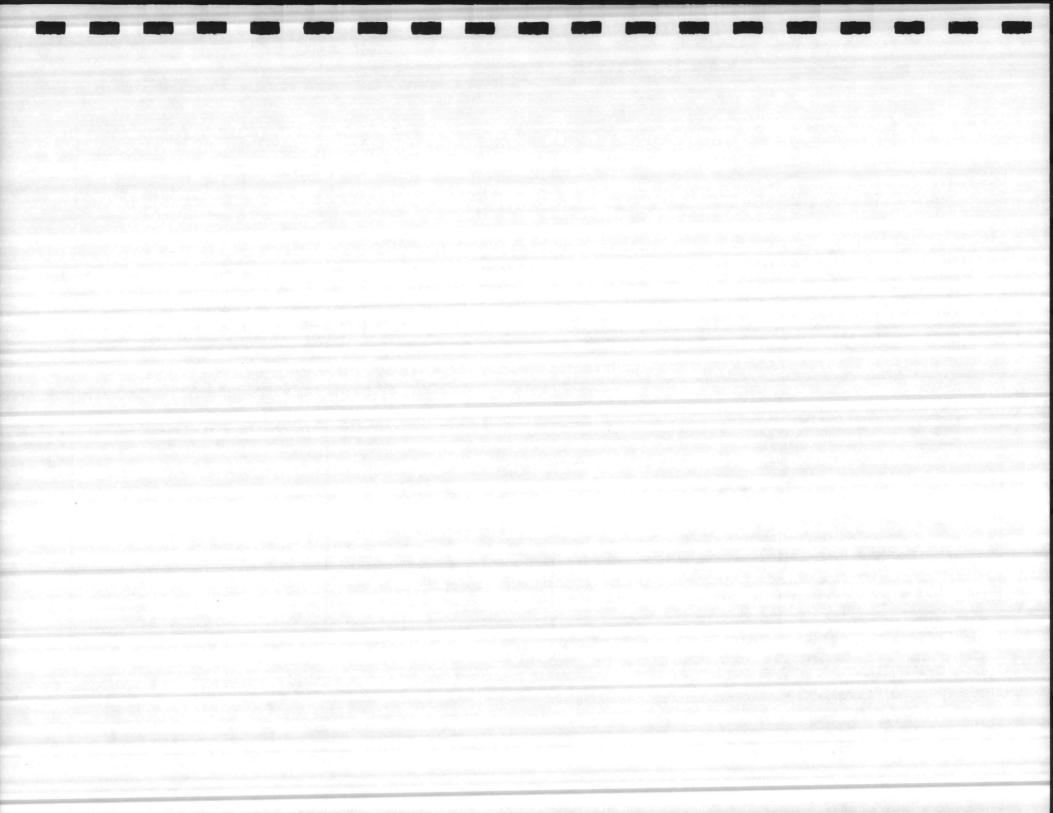
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	8	······	
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	200	······	
Number of Days per Year the Range/Facility is Available	345		
Is Range/Facility Capable of Nighttime Use? Yes, No	Yes		

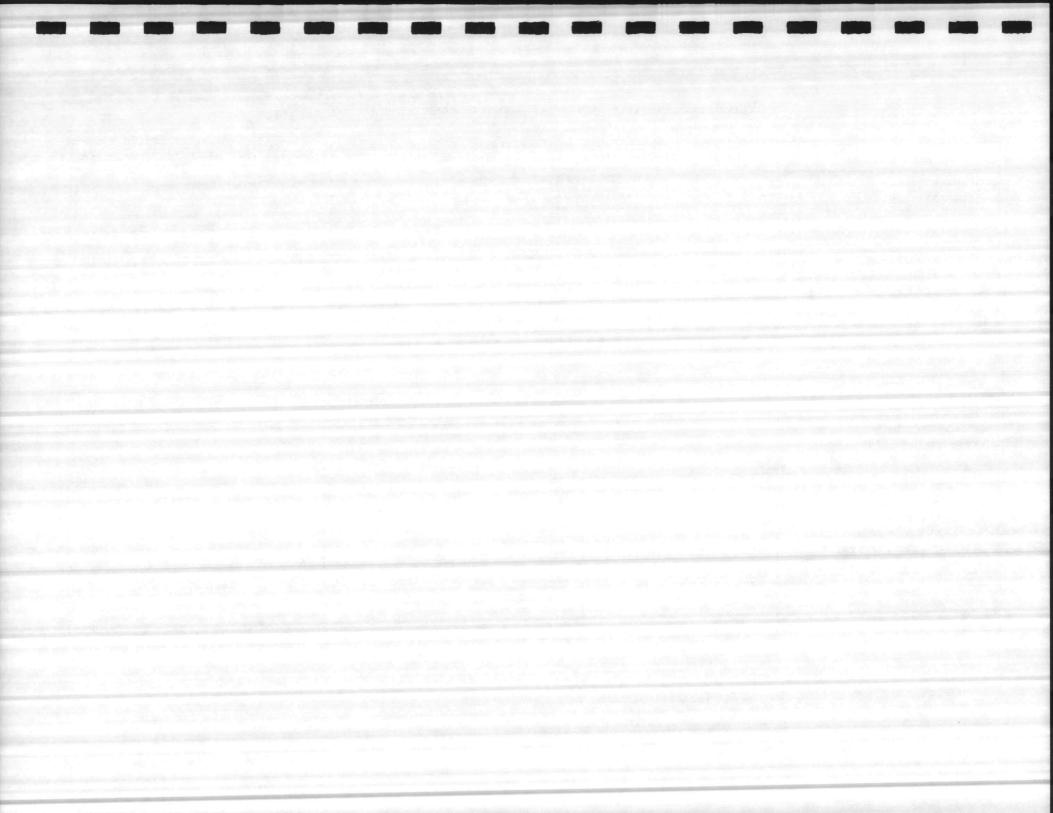
FILE NAME: LP010017 PAGE 4 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

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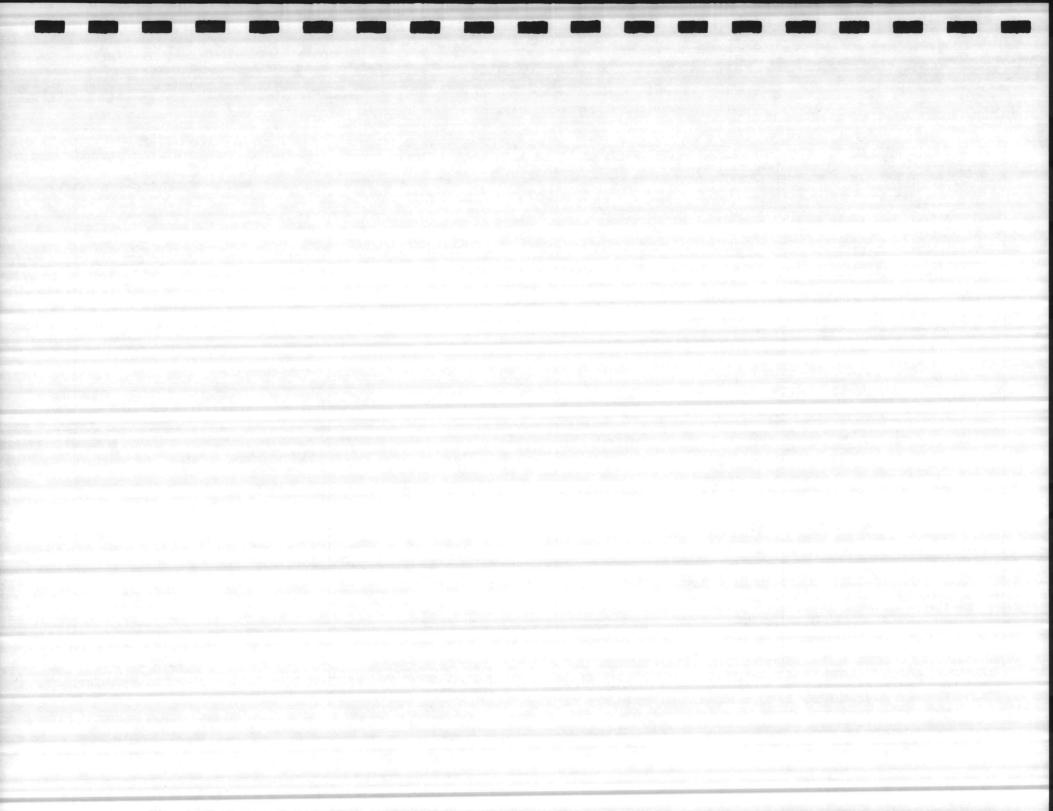
LATAR RANGE/FACILITY INVENTORY DATA FORM (LFRTS-P-	(CONTINUED)
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	20 20	0	0
	FC Maneuver Area GP-8		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? .Yes, No, Explain	NA		•
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	Yes No movement 100 m downrange		

FILE NAME: LP010017 PAGE 5 OF 6 DATE: 03/05/87

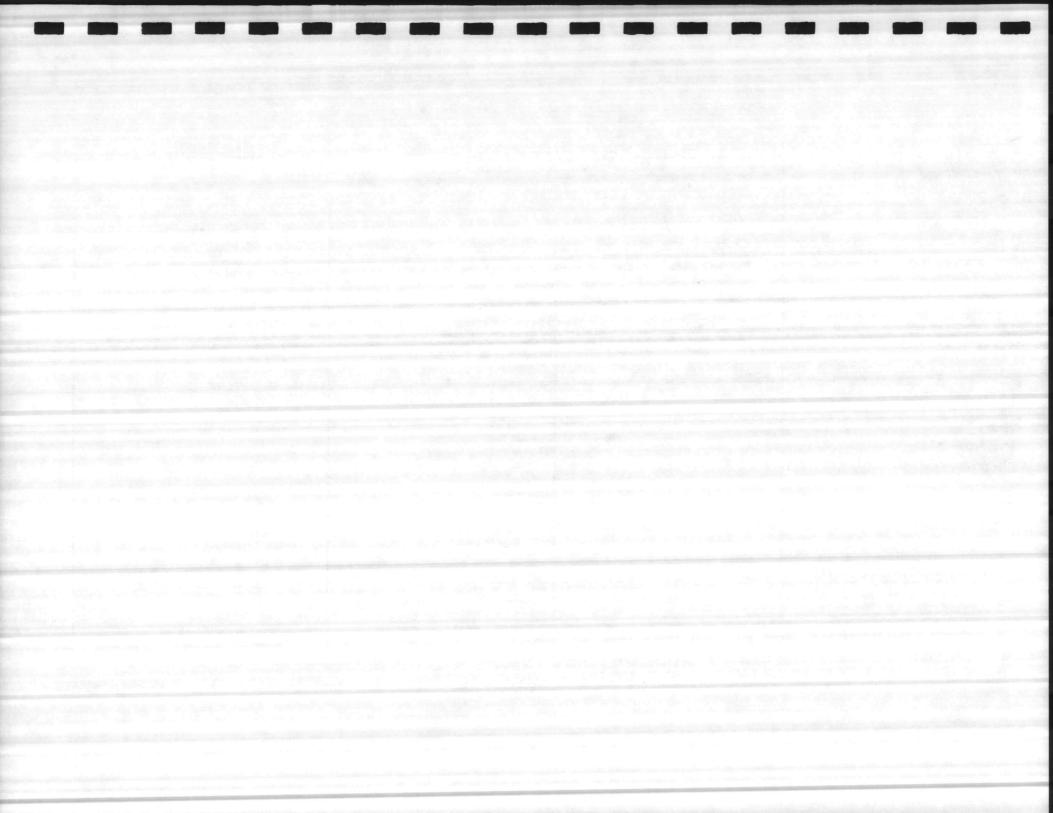
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
estrictions on Range Use Environmental AICUZ	NA		
FAA Noise Gas/Chemical Pyrotechnics/Flare			
Time of Day Time of Year Other			
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		and a second and a second and	
LE NAME: LP010017			

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*SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

RANGE NAME AND LOCATION: G-3 Infantry Weapons Range, MCB, Camp Lejeune, NC Infantry Weapons Range INSTRUCTIONS:

TY PE	RANGE FACILITY:	
X	Live-Fire Full Calib	e
1.00	Live-Fire Subcaliber	
	Simulator	
	Maneuver Area	
	Associated Air Space	2

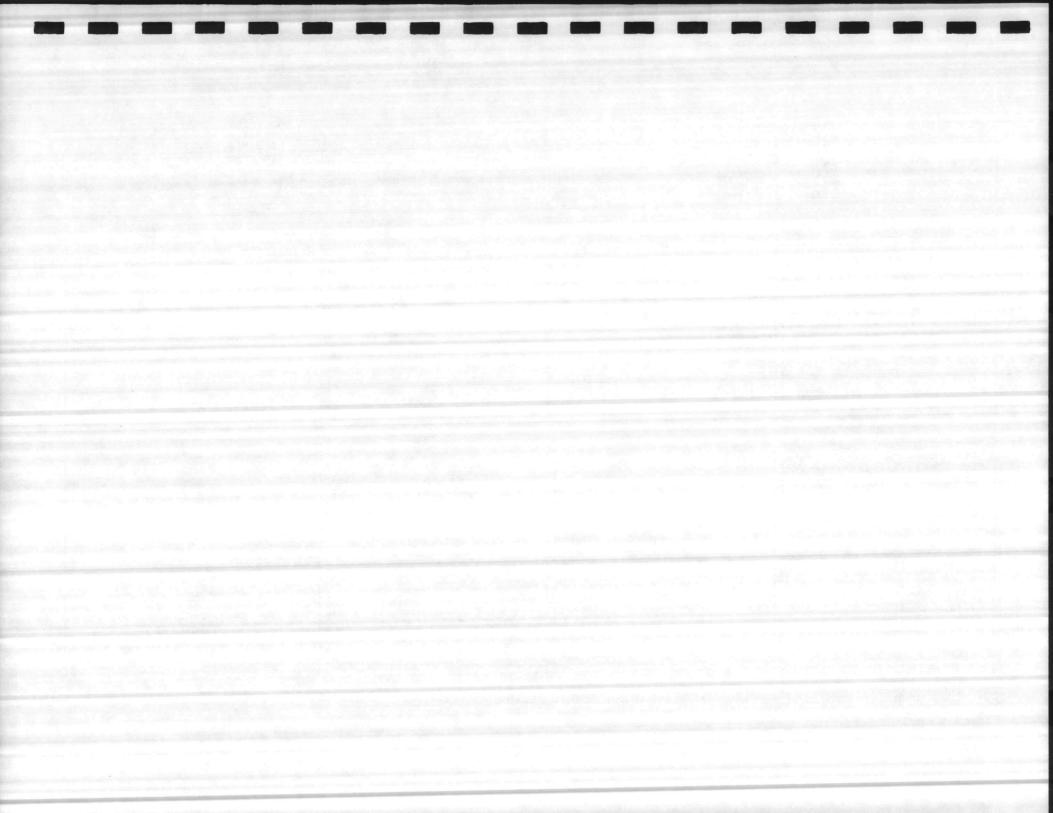
Other

-- One form for each range/facility/simulator

-- Fill in data elements as appropriate

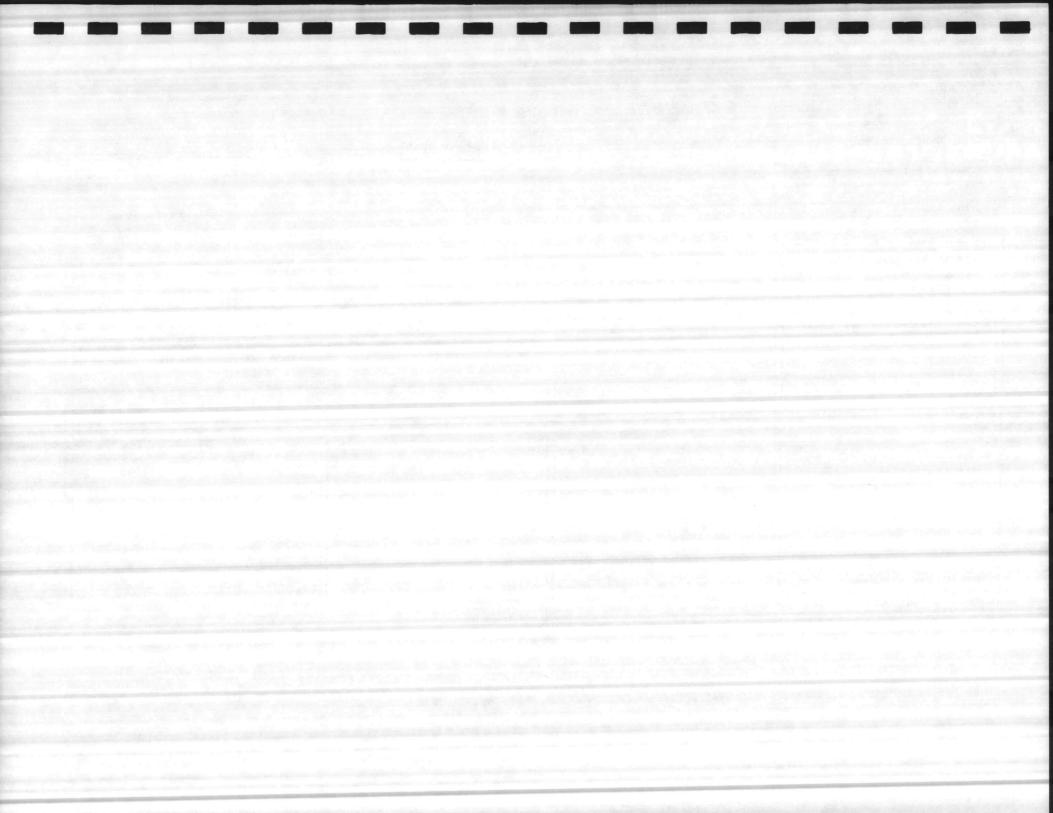
-- Use right column for new or improved ranges needed

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Primary Direction of Fire	6.38 X 4.55 TOW 3.5 X 1.9 small arms 1157 MILS/55-65 degrees TOW 1335 MILS/75 degrees small arms To 17,999 ft; 399 sq km		
Coordinates	TP898344		
			· · · · · · · · · · · · · · · · · · ·
Safety Buffer Rear (km) Sides (km) Altitude (ft)	60 m SMAW, 80 m M72 LAAW, 80 m		•
Number of Firing Points/ Stations			
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area	x		· · · · · · · · · · · · · · · · · · ·
TLE NAME: LP010018 PAGE 1 OF 6 DATE: 03/05/87	RANGE/FACILITY MANAGER: D. J.	Hashagen, Sr.	- LFRTS-P-000



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Range Facilities (continued)Demonstration AreaHead FacilityAmmunition BunkerWater SystemElectrical SystemClassroomBivouac SiteOther			
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Target Types Pop-up Stationary Moving Revolving Other	NA 		
Are There Associated Simulation Devices? Yes, No, NA			

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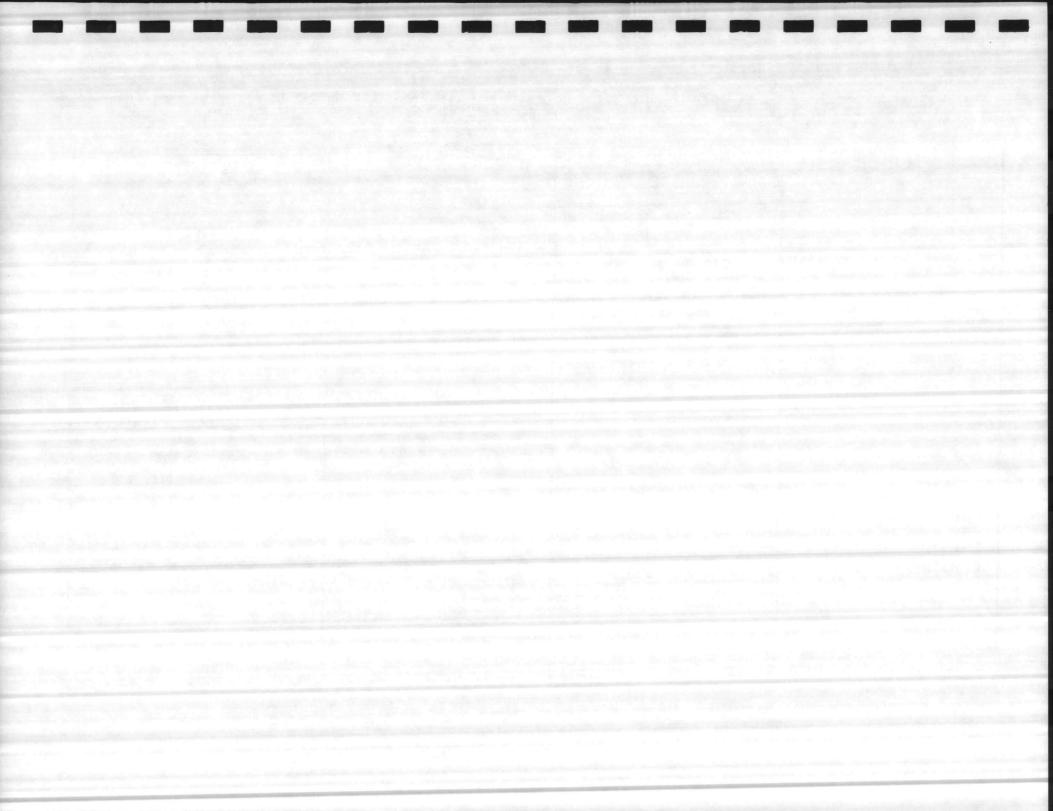


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range	.38-cal, .45-cal, 9-mm, M16, M60, SAW, M40A1, M19, M203, SMAW, M72 LAW, M73 LAW, 60-mm, 81-mm, Dragon, TOW, 1/4-lb demolitions		
Climate Seasonal Tropic Temperate. Arctic. Desert. All-Weather (Indoor) Other.	x	NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert. Percentage Beach. Percentage Level Percentage Water		NOT AFPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	100	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010018 PAGE 3 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	2000 m	······	
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	800		
Number of Days per Year the Range/Facility is Available	360		
Is Range/Facility Capable of Nighttime Use? Yes, No	Yes		
Yes, No			.

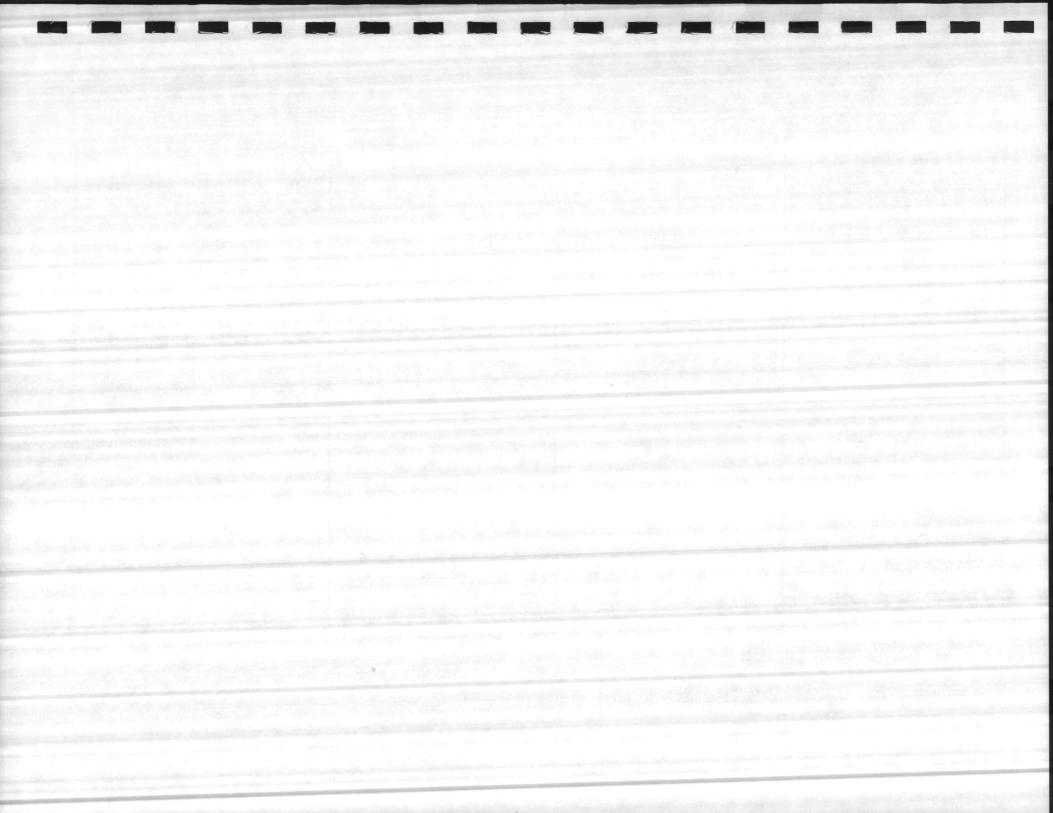
FILE NAME: LP010018 PAGE 4 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	55	0	0
Other Ranges Which Must Be Closed When This Range is in Use	OP-5 from live-fire		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes Laser precautions when using lasers		· · · · · · · · · · · · · · · · · · ·
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	NA		

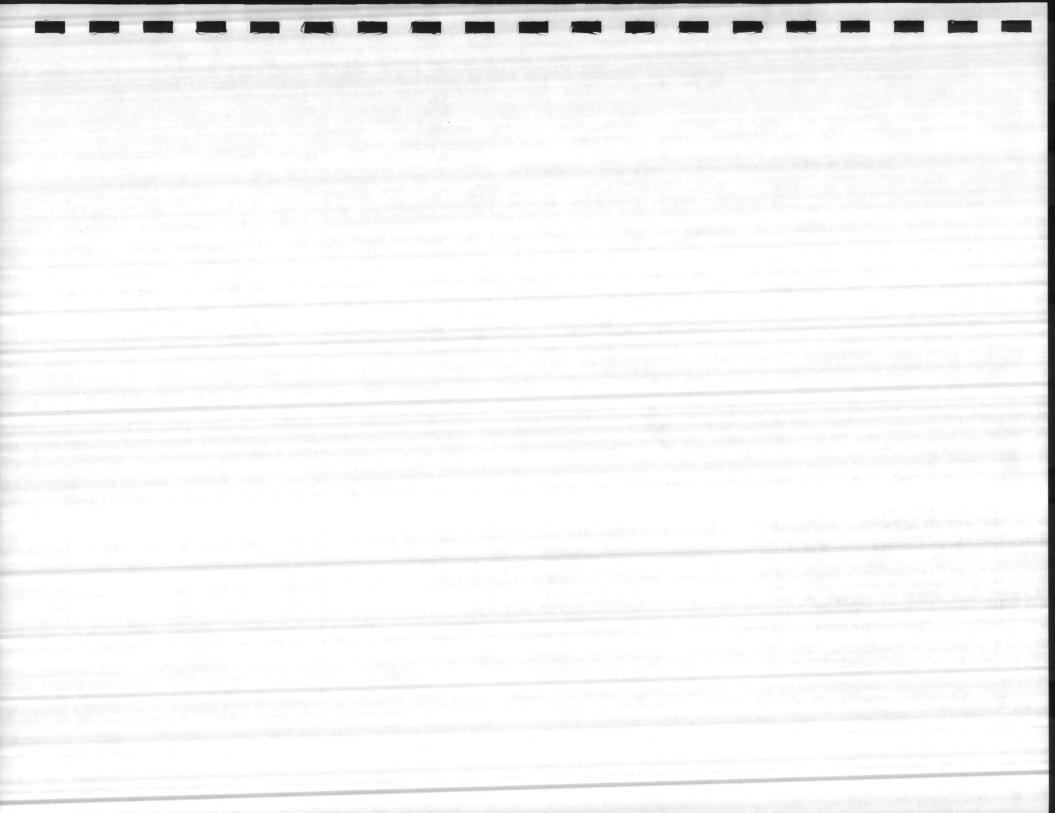
FILE NAME: LP010018 PAGE 5 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

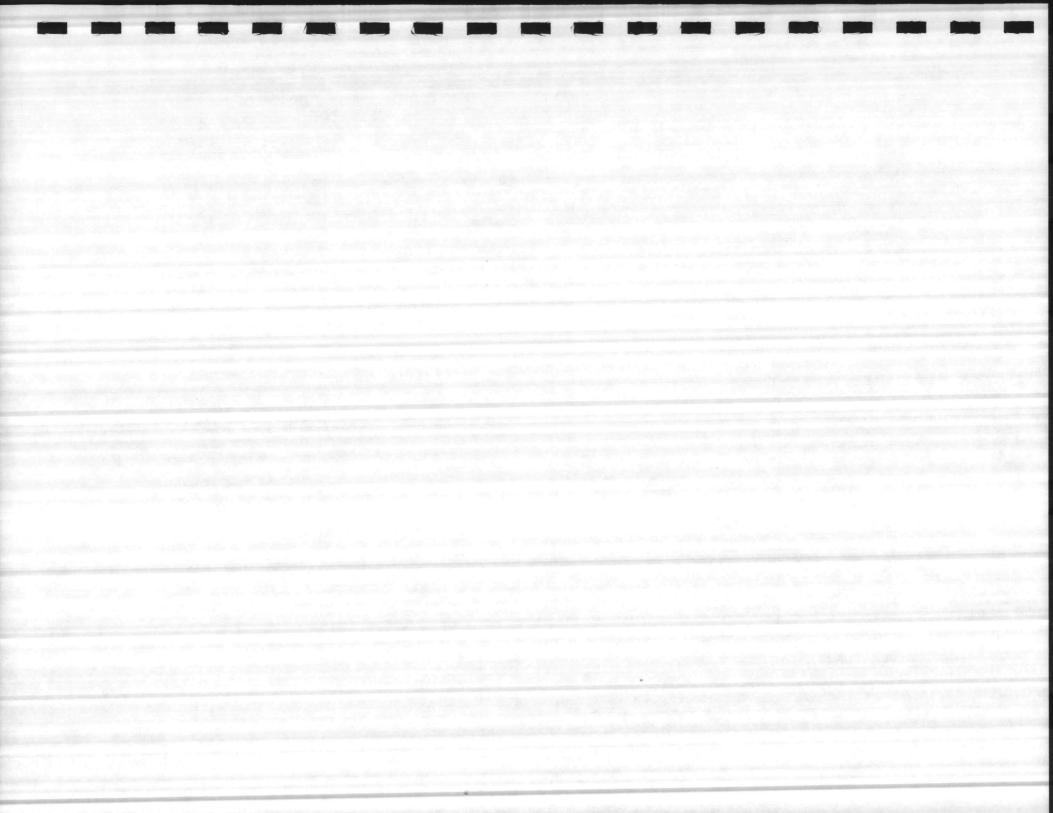
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Restrictions on Range Use Environmental AICUZ	NA		
FAA. Noise. Gas/Chemical. Pyrotechnics/Flare.			
Time of Day Time of Year Other			
		 March and Arrange Constraints and Arrange Constraints 	
LE NAME: LP010018			



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

TYPE RANGE FACILITY: Live-Fire Full Caliber X Live-Fire Subcaliber Simulator Maneuver Area Associated Air Space Smoke x

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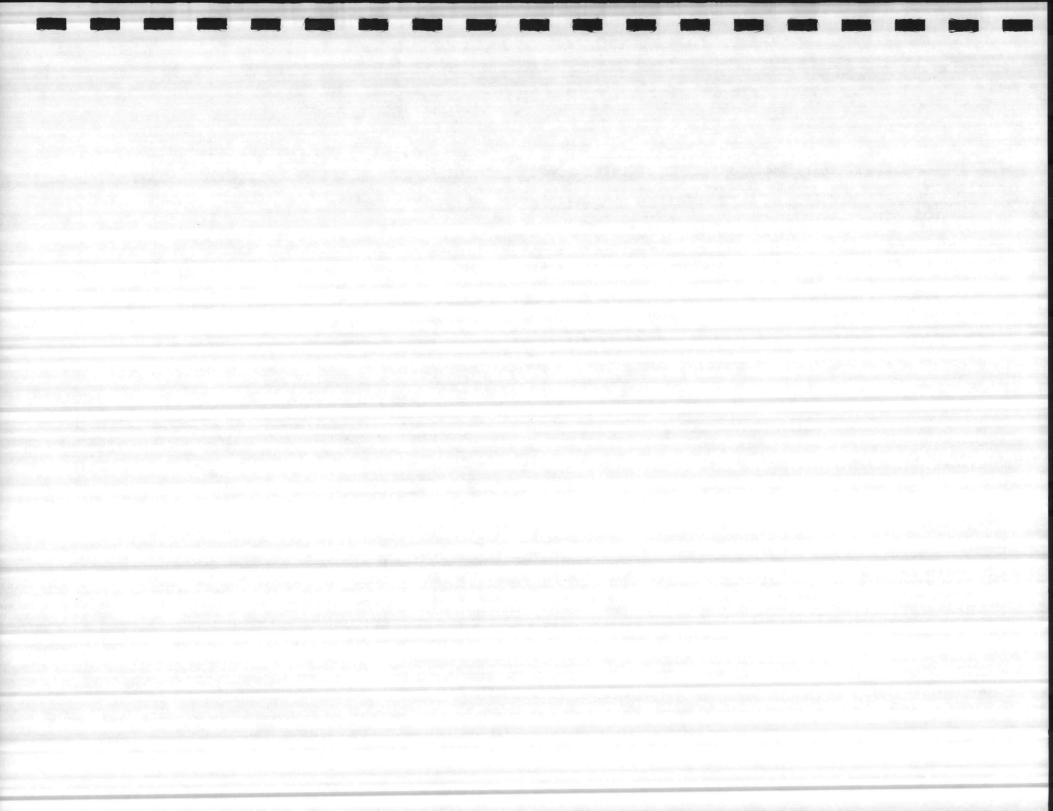
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RANGE NAME AND LOCATION: G-3A M257 Smoke Grenade Launcher System Range, MCB, Camp Lejeune, NC Smoke Grenade Launcher System Range INSTRUCTIONS:

-- One form for each range/facility/simulator

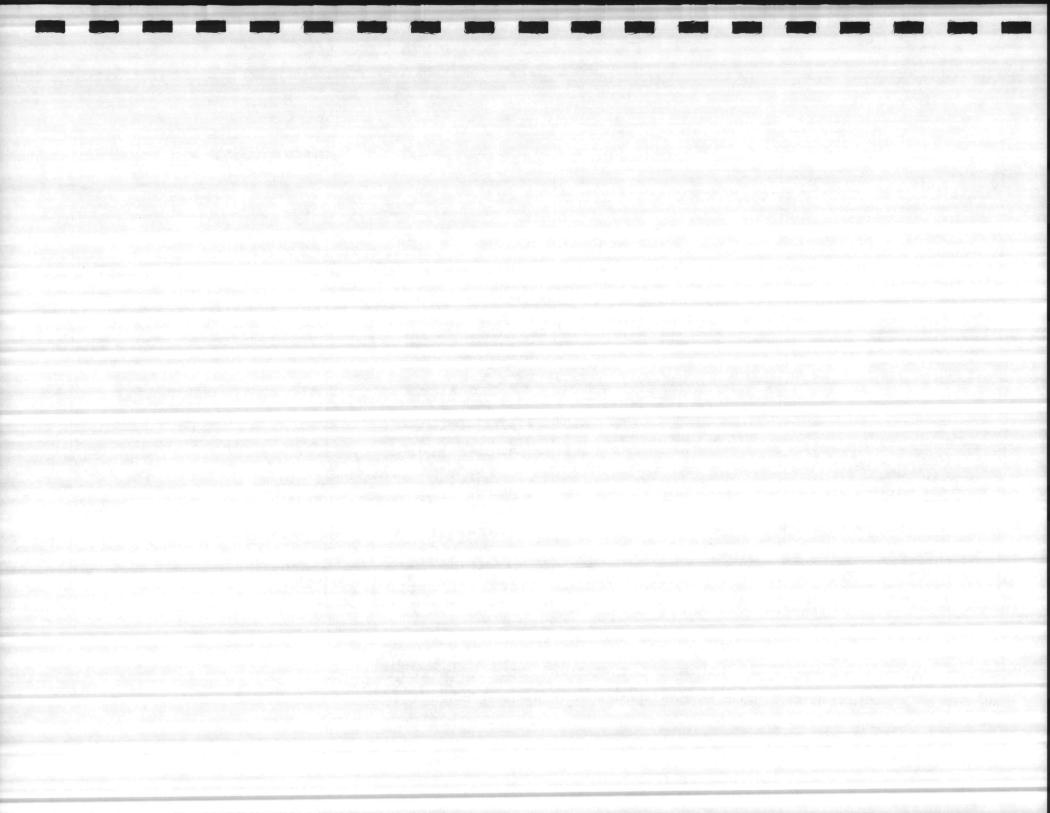
-- Fill in data elements as appropriate -- Use right column for new or improved ranges needed

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km)	1.45 X .98		
Primary Direction of Fire	86 degrees		
Associated Air Space	To 17,999 ft; 399 sq km		
Coordinates	 TP885351 to TP892357 		
Safety Buffer Rear (km) Sides (km) Altitude (ft)	 NA 		
Number of Firing Points/ Stations	 NA 		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area	X		
ILE NAME: LP010019 AGE 1 OF 6 DATE: 03/05/87	RANGE/FACILITY MANAGER: D.	J. Hashagen, Sr.	



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site Other			
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Target Types Pop-up Stationary Moving Revolving Other	NA 		
Are There Associated Simulation Devices? Yes, No, NA	 NA	· · · ·	

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PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
M257 smoke grenade launcher system		
x	NOT APPLICABLE	NOT APPLICABLE
100	NOT APPLICABLE	NOT APPLICABLE
100	NOT APPLICABLE	NOT APPLICABLE
	M257 smoke grenade launcher system x 100	PRESENT CHARACTERISTICS (INCLUDE YEAR) M2557 smoke grenade launcher system

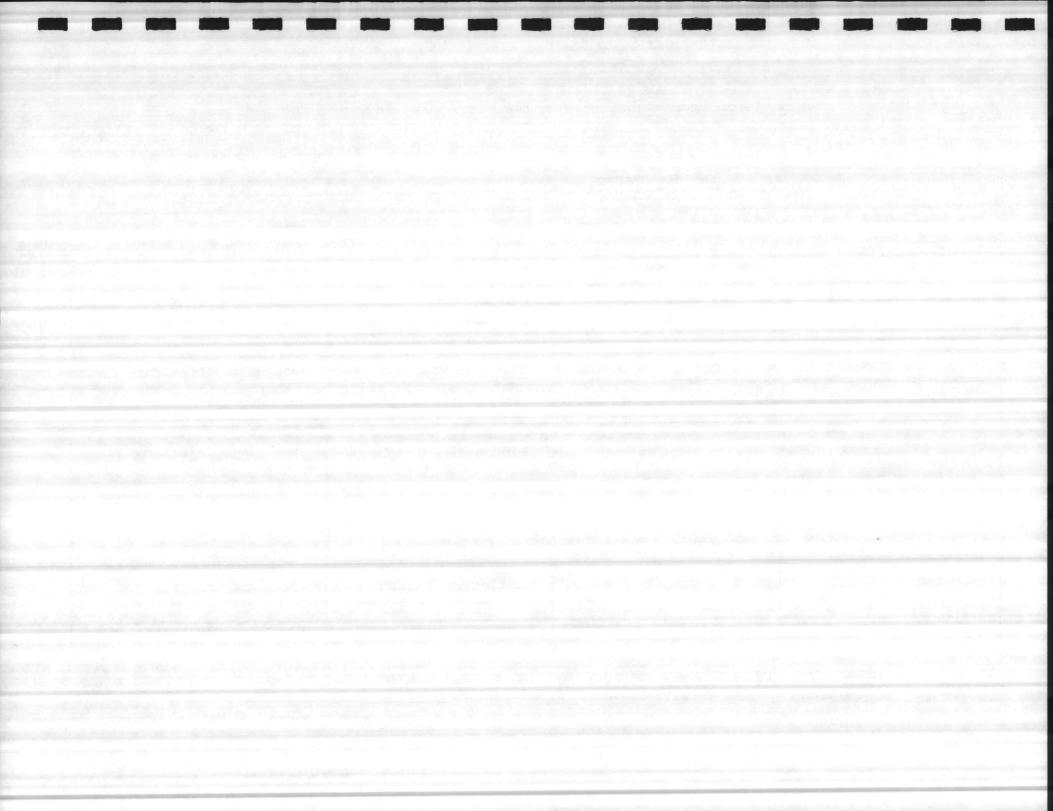
FILE NAME: LP010019 PAGE 3 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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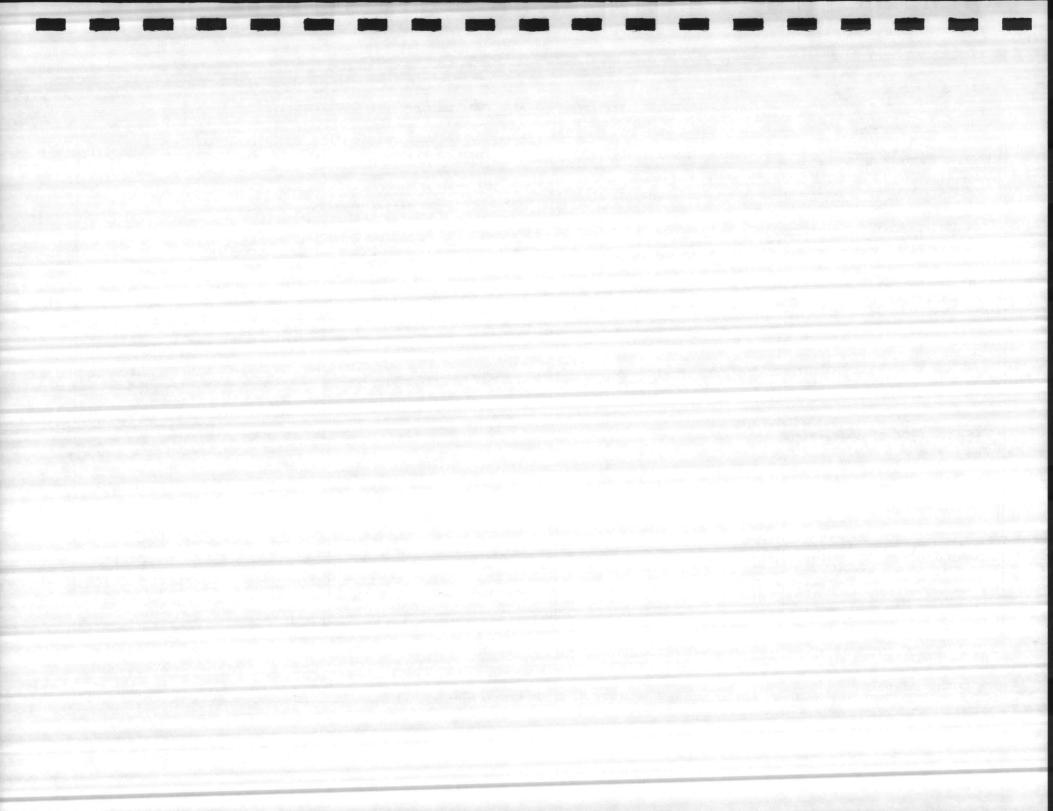
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	1000 m		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	Undefined		· · ·
Number of Days per Year the Range/Facility is Available	360		
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

FILE NAME: LP010019 PAGE 4 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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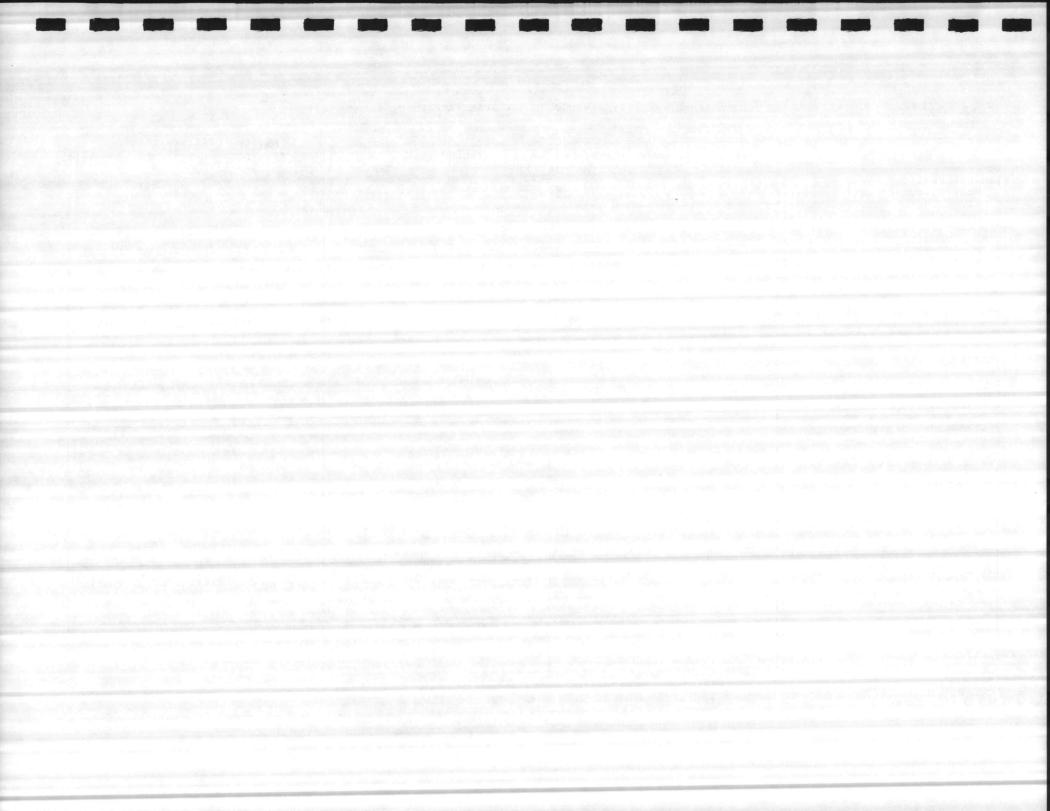


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total	55	0	0
Other Ranges Which Must Be Closed When This Range is in Use	NA		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes Personnel in vehicles equipped with M257s must be inside the vehicle with all hatches secured when firing		·
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	Yes Road blocked at gate		

FILE NAME: LP010019 PAGE 5 OF 6 DATE: 03/05/87

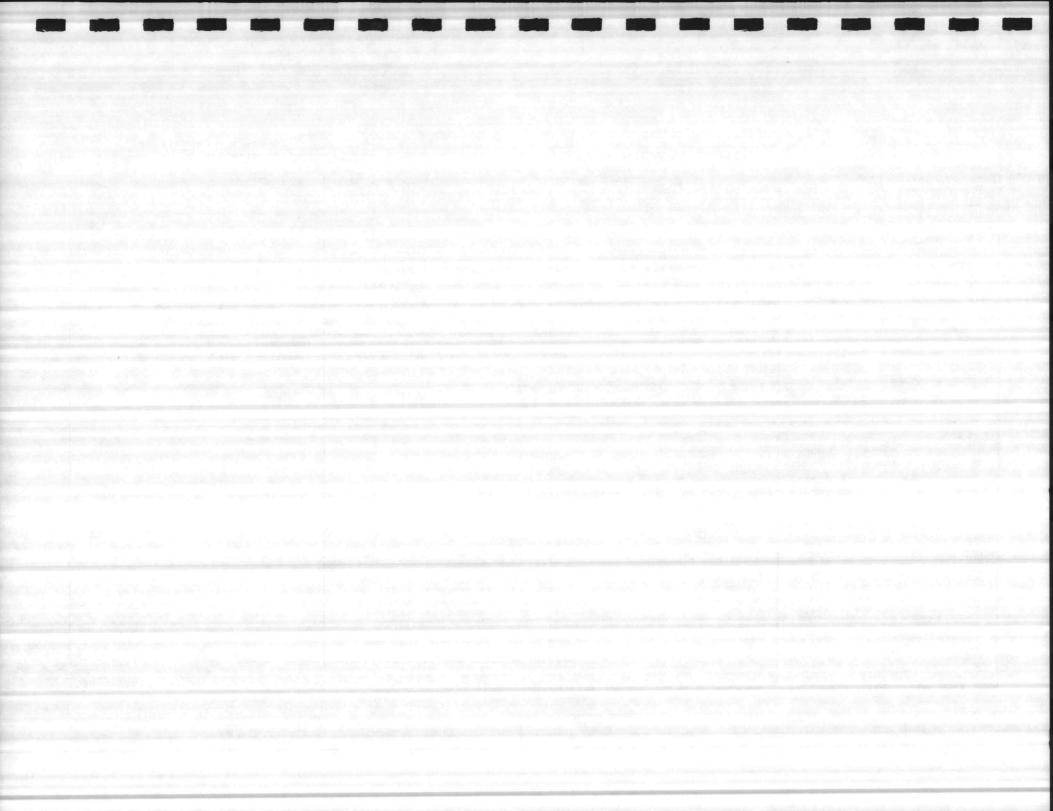
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Environmental AICUZ FAA	NA		
Noise Gas/Chemical Pyrotechnics/Flare Time of Day Time of Year. Other			
other			
		-	
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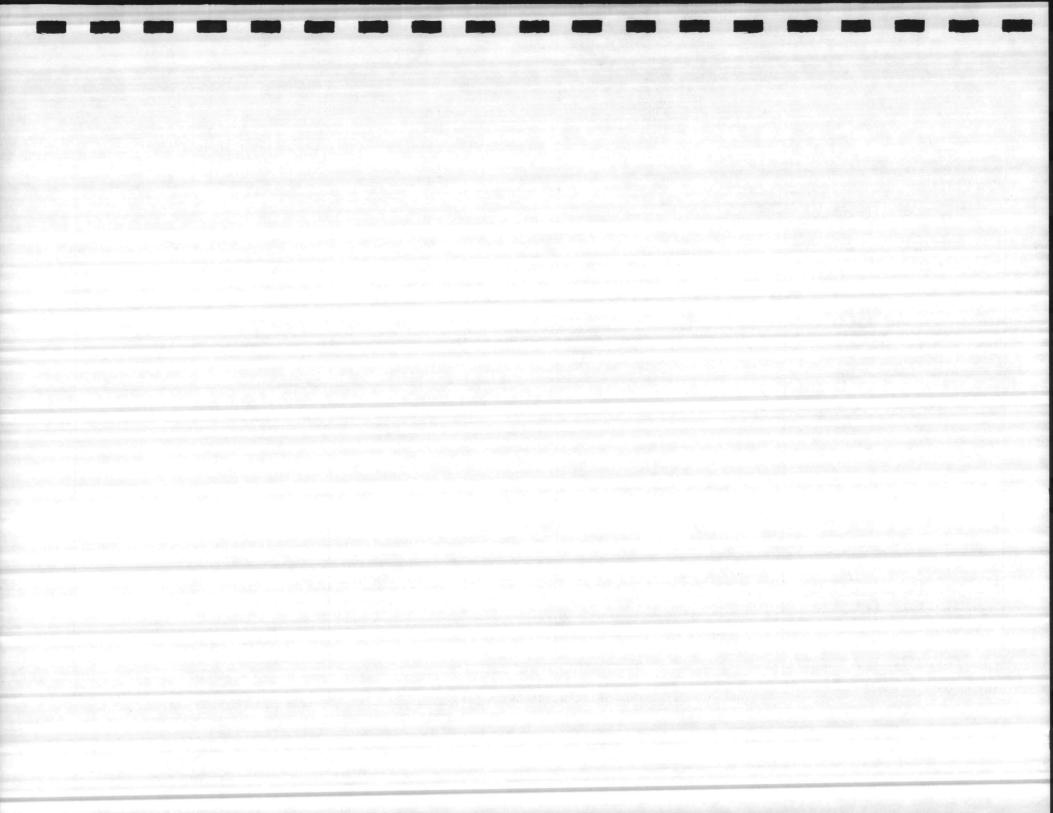


SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

RANGE NAME AND LOCATION: G-4 Demolition Range, MCB, Camp Lejeune, NC Demolition Range INSTRUCTIONS: -- One form for each range/facility/simulator -- Fill in data elements as appropriate -- Use right column for new or improved ranges needed

RANGE FACILITY:
Live-Fire Full Caliber
Live-Fire Subcaliber
Simulator
Maneuver Area
Associated Air Space
Other

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS
Range Shape and Dimensions Dimensions (km)	1.3 X 1.3		
Primary Direction of Fire	NA		
Associated Air Space	 To 17,999 ft; 399 sq km		
Coordinates	тР926327		
Safety Buffer Rear (km) Sides (km) Altitude (ft)			
Number of Firing Points/ Stations	 NA		
Range Facilities Control Tower			
Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area			



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Range Facilities (continued)Demonstration AreaHead FacilityAmmunition BunkerWater SystemElectrical SystemClassroomBivouac SiteOther			
Celemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Farget Types Pop-up Stationary Moving Revolving Other	NA 		
Are There Associated Simulation Devices? Yes, No, NA	NA		

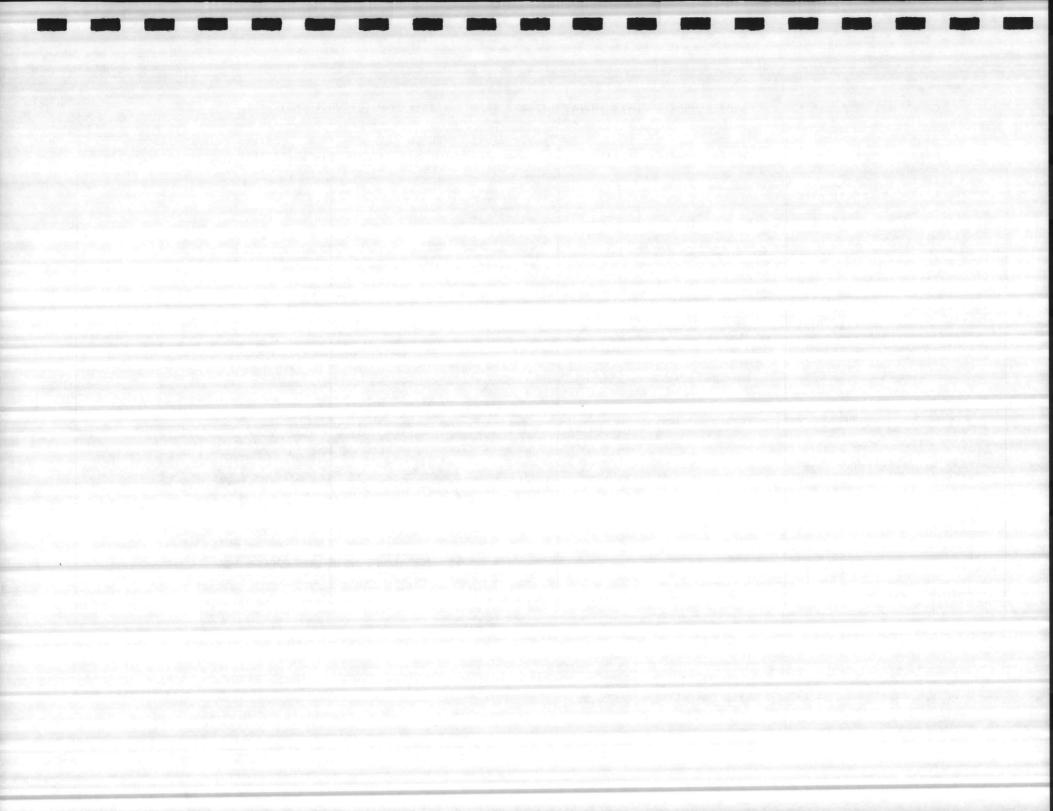
FILE NAME: LP010020 PAGE 2 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._

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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
	demolitions (50 lbs max), M68Al linear rocket		
Climate Seasonal Tropic Temperate Arctic Desert. All-Weather (Indoor) Other	x	NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water		NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other		NOT APPLICABLE	NOT APPLICABLE

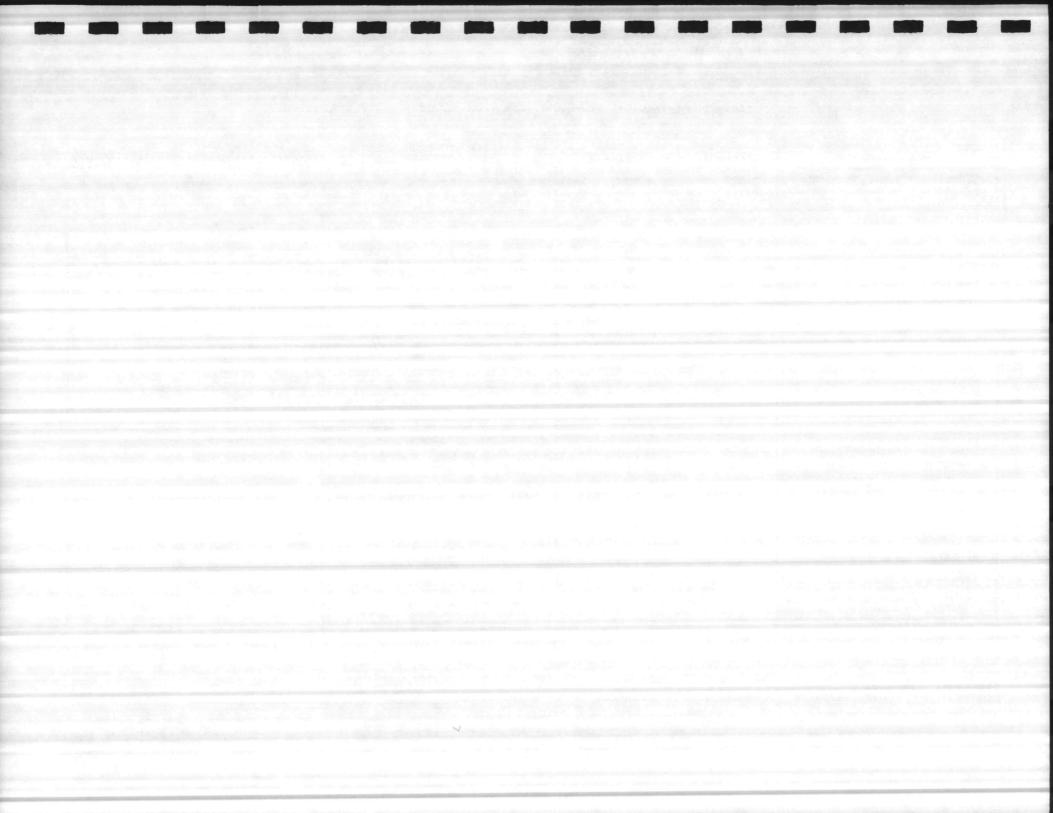
FILE NAME: LPO10020 PAGE 3 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.____

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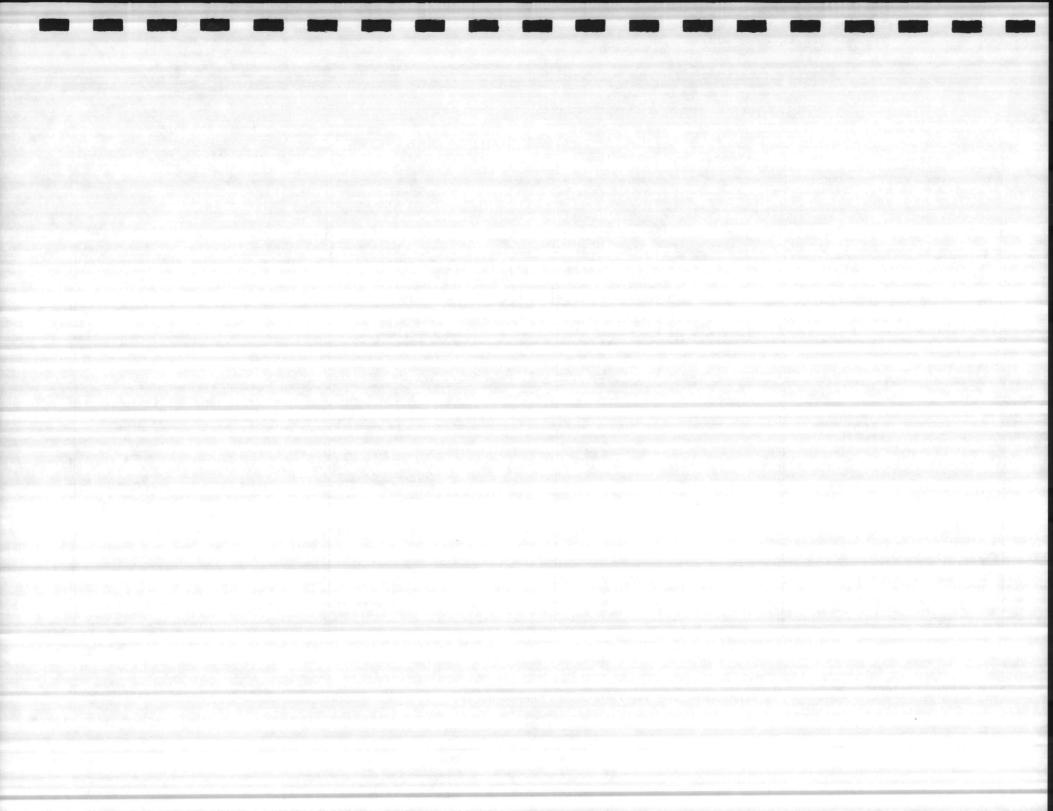
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100	•	
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	5		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	30		
Number of Days per Year the Range/Facility is Available	355	·	
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

FILE NAME: LP010020 PAGE 4 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._

LFRTS-P-0001



LATAR RANGE/FACILIT	Y INVENTORY	DATA FORM	(LFRTS-P-0001)	(CONTINUED)
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total. Maintenance. Weather. Budget. Fire Condition/Weather. Weekends/Holidays. Other.	10 10	0	0
Other Ranges Which Must Be Closed When This Range is in Use	NA		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes Must comply with blast focus		
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	NA		

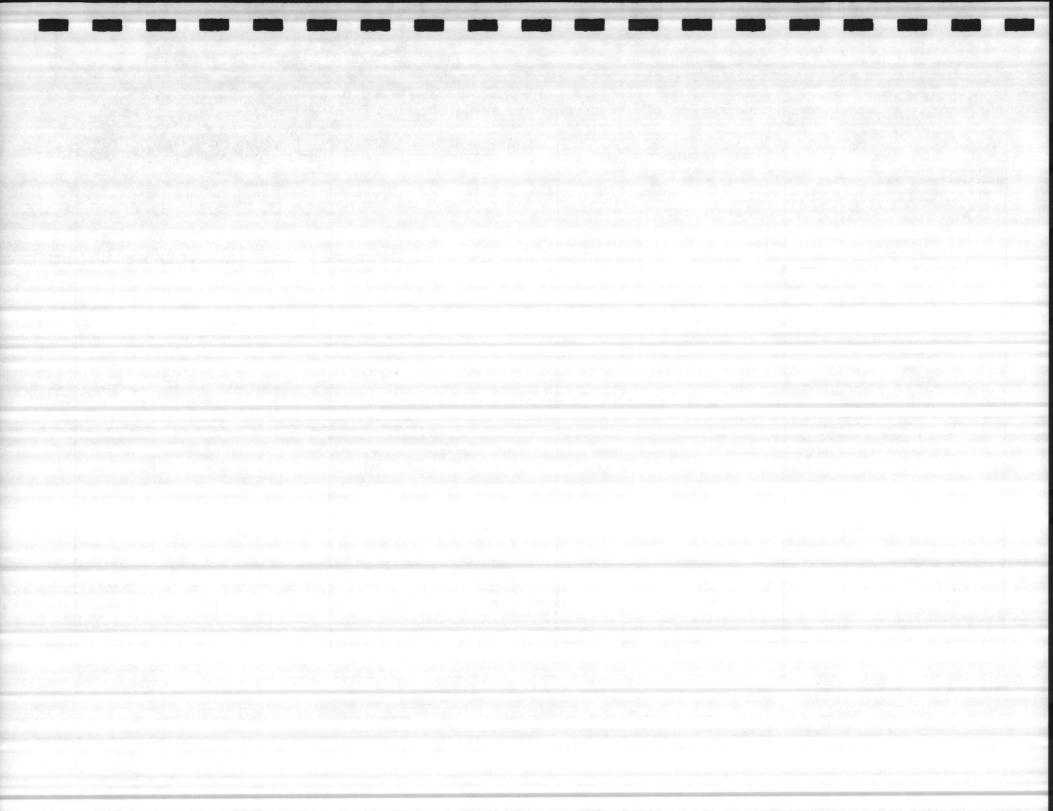
FILE NAME: LP010020 PAGE 5 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._

LFRTS-P-0001

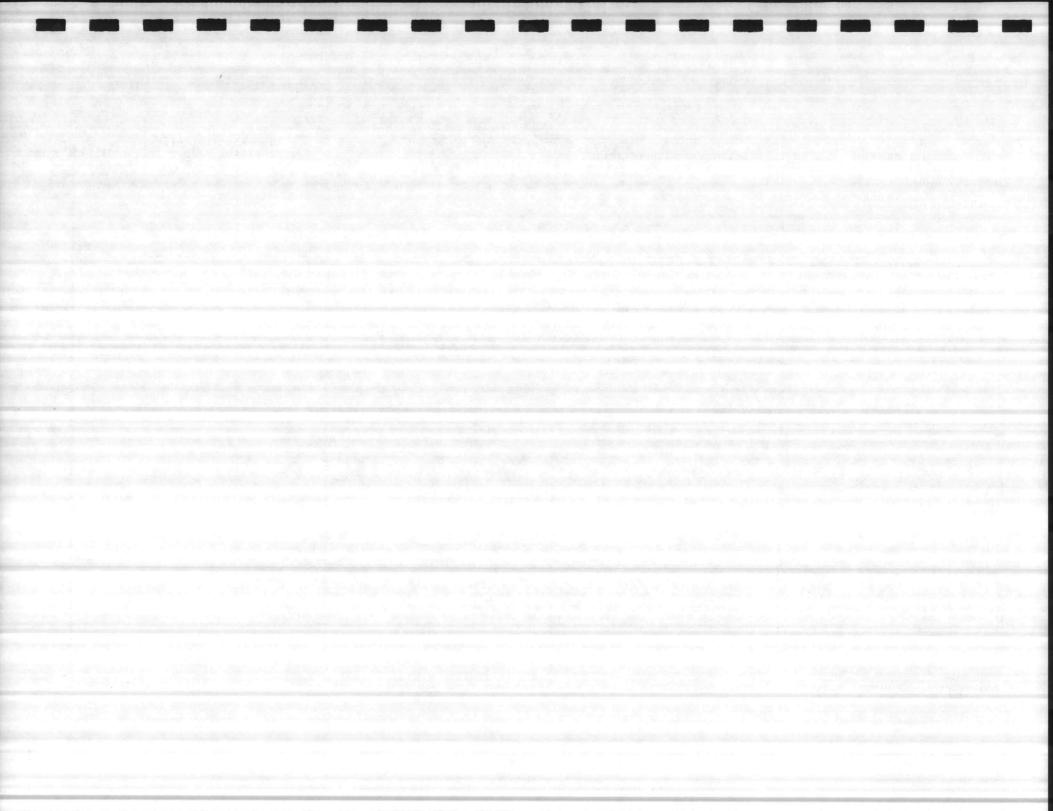
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
estrictions on Range Use Environmental AICUZ	NA		
FAA Noise Gas/Chemical Pyrotechnics/Flare			
Time of Day Time of Year Other			
	an ana ang ang ang ang ang ang ang ang a		

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SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

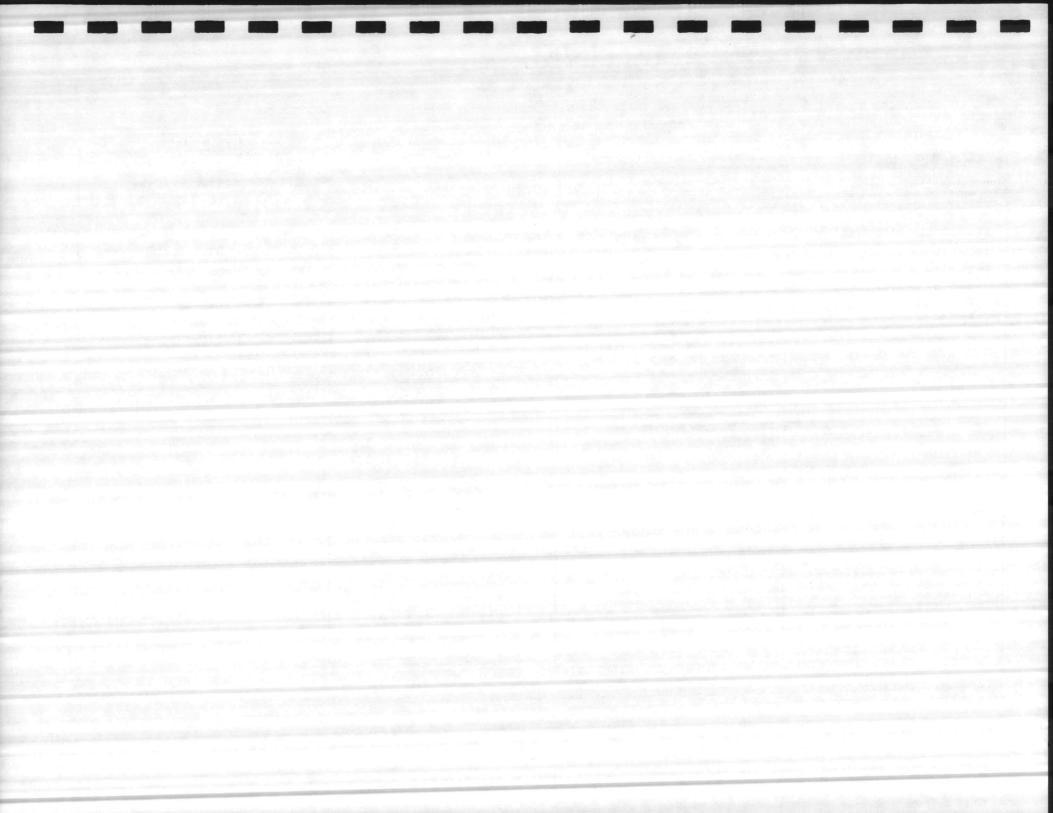
RANGE NAME AND LOCATION: GA-4 Demolition Range, MCB, Camp Lejeune, NC Demolition Range INSTRUCTIONS: -- One form for each range/facility/simulator

-- Fill in data elements as appropriate

-- Use right column for new or improved ranges needed

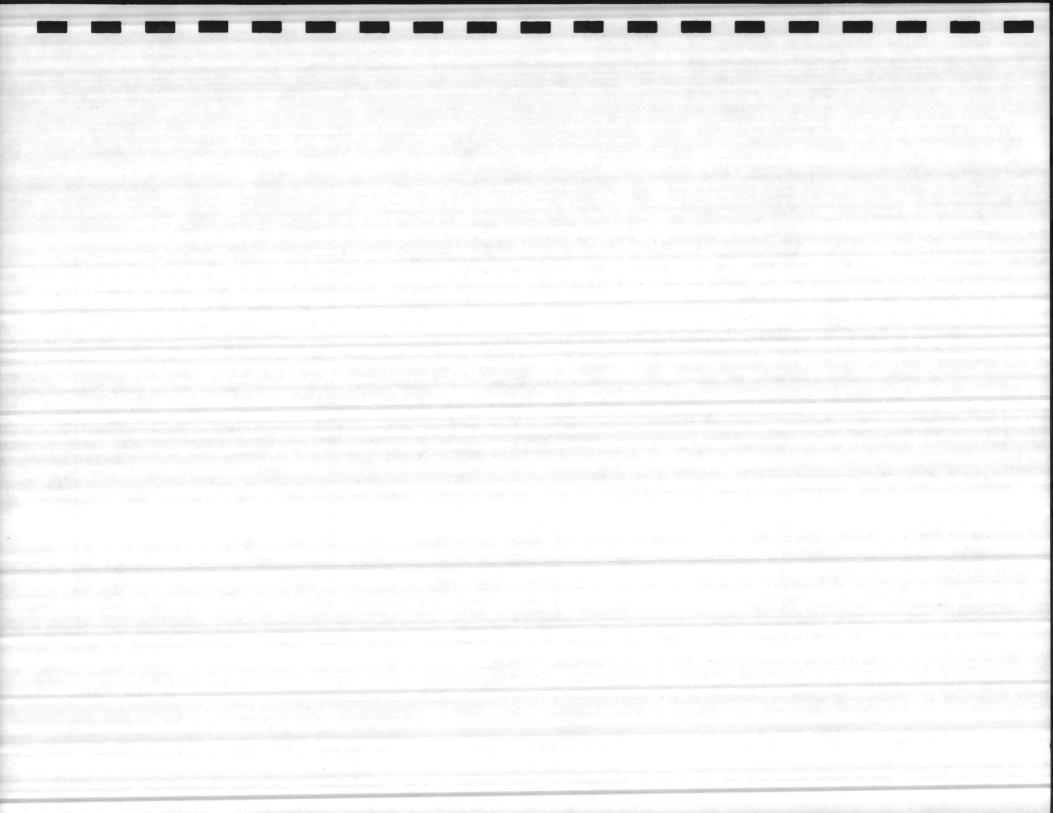
TYPE RANGE FACILITY: Live-Fire Full CaliberX Live-Fire Subcaliber Simulator Maneuver Area Associated Air Space Other

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km)	1.5 X 1.5		
Primary Direction of Fire	NA		
Associated Air Space	To 17,999 ft; 399 sq km		
	TF9032 to TF9132 to TF9031 to TF9131		
Safety Buffer Rear (km) Sides (km) Altitude (ft)	NA		
Number of Firing Points/ Stations	 NA		
Range Facilities Control Tower			
Communications System Target Shed Utility Building Aid Station Parking Area			
Viewing Area		and the second sec	



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
ange Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site Other			
Pelemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Carget Types Pop-up Stationary. Moving. Revolving. Other.	NA		·
Are There Associated Simulation Devices? Yes, No, NA	NA		

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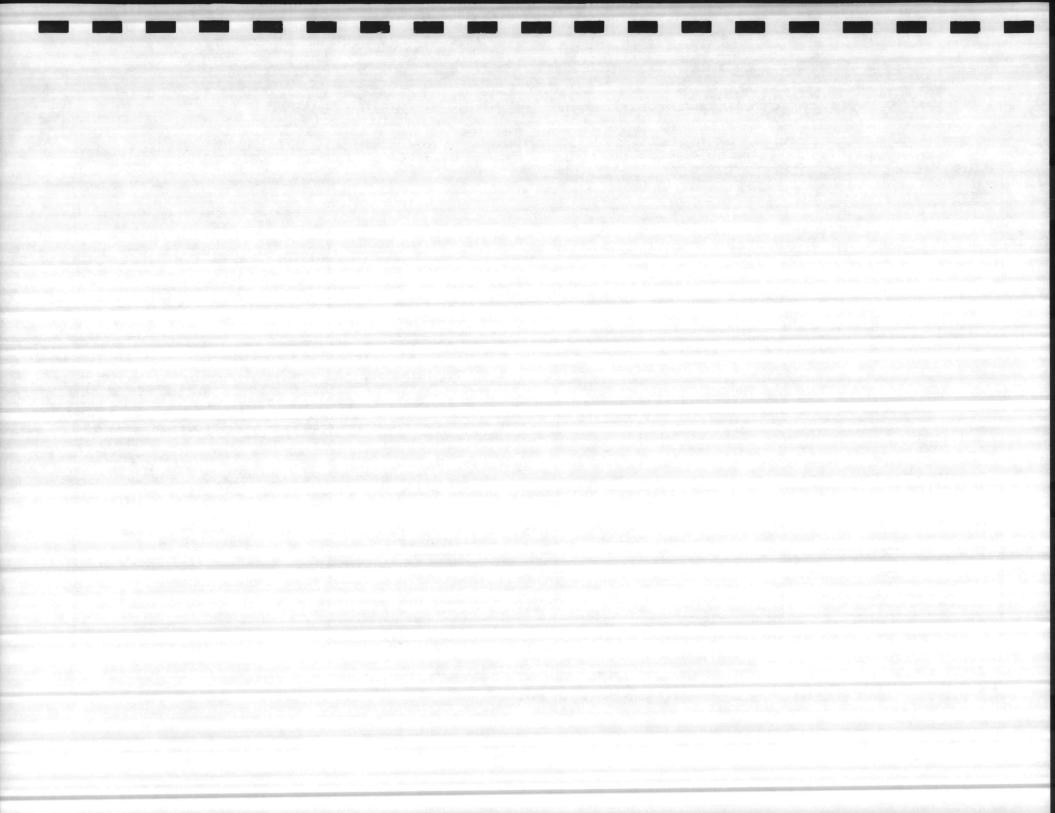


PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
demolitions (50 lbs max)		
	•	
x	NOT APPLICABLE	NOT APPLICABLE
100	NOT APPLICABLE	NOT APPLICABLE
100	NOT APPLICABLE	NOT APPLICABLE
	demolitions (50 lbs max)x100	PRESENT CHARACTERISTICS (INCLUDE YEAR) demolitions (50 lbs max) x NOT APPLICABLE 100 100

FILE NAME: LP010021 PAGE 3 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

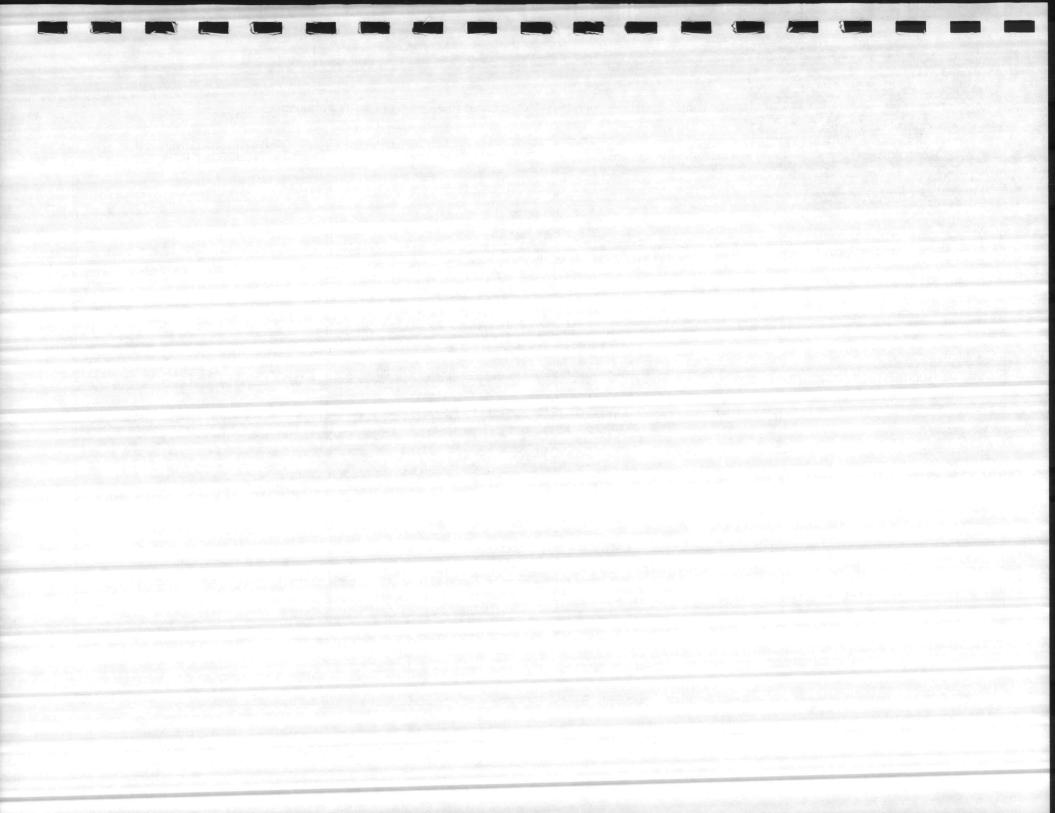


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	2		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	5		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	Undefined		· · · · · · · · · · · · · · · · · · ·
Number of Days per Year the Range/Facility is Available	355		
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

FILE NAME: LPO10021 PAGE 4 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001



LATAR RANGE/FACILITY INVENTORY DATA FORM (LFRTS-P-0001) (CONTINUE)	LATAR	AR RANGE/FACILITY	INVENTORY I	DATA FORM	(LFRTS-P-0001)	(CONTINUED
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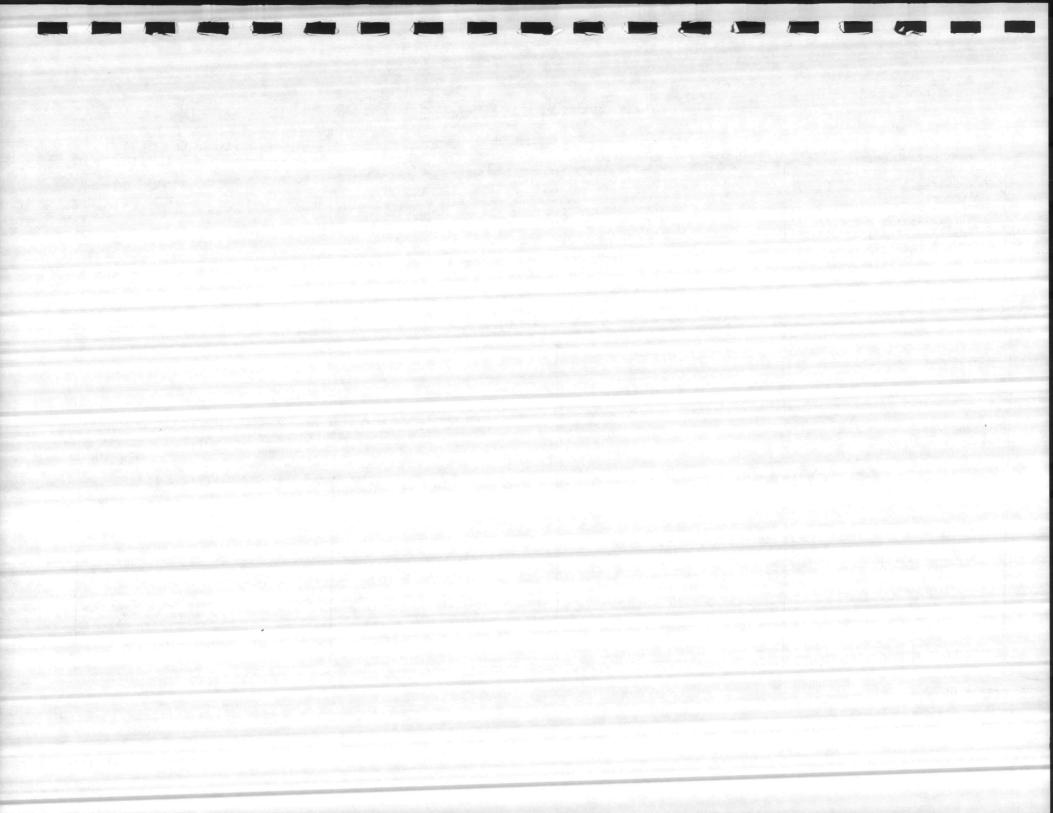
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total. Maintenance. Weather. Budget. Fire Condition/Weather. Weekends/Holidays. Other.	10 10 	0	0
Other Ranges Which Must Be Closed When This Range is in Use	GF Maneuver Area GP-17, GP-22		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes Must comply with blast focus		
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	NA		

FILE NAME: LP010021 PAGE 5 OF 6 DATE: 03/05/87

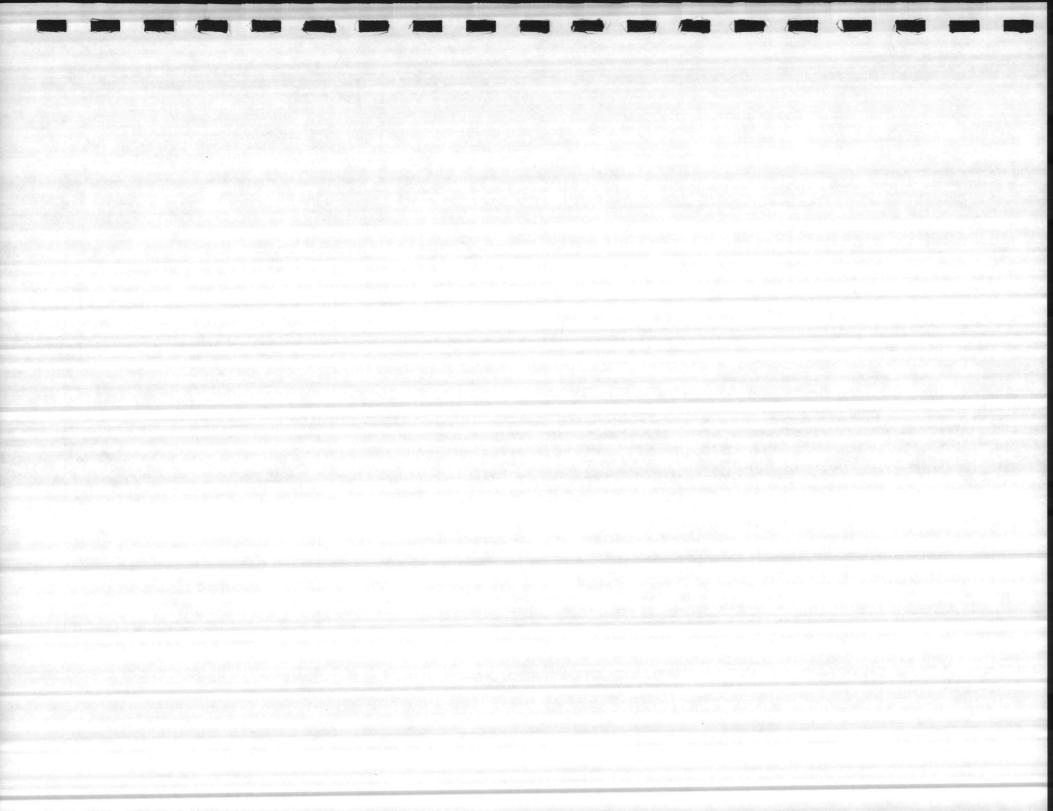
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Bittite	NA		
AICUZ FAA Noise			
Gas/Chemical Pyrotechnics/Flare Time of Day Time of Year			
Other			
			· Commence and Commence



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

RANGE NAME AND LOCATION: G-4A EOD Range, MCB, Camp Lejeune, NC EOD Range

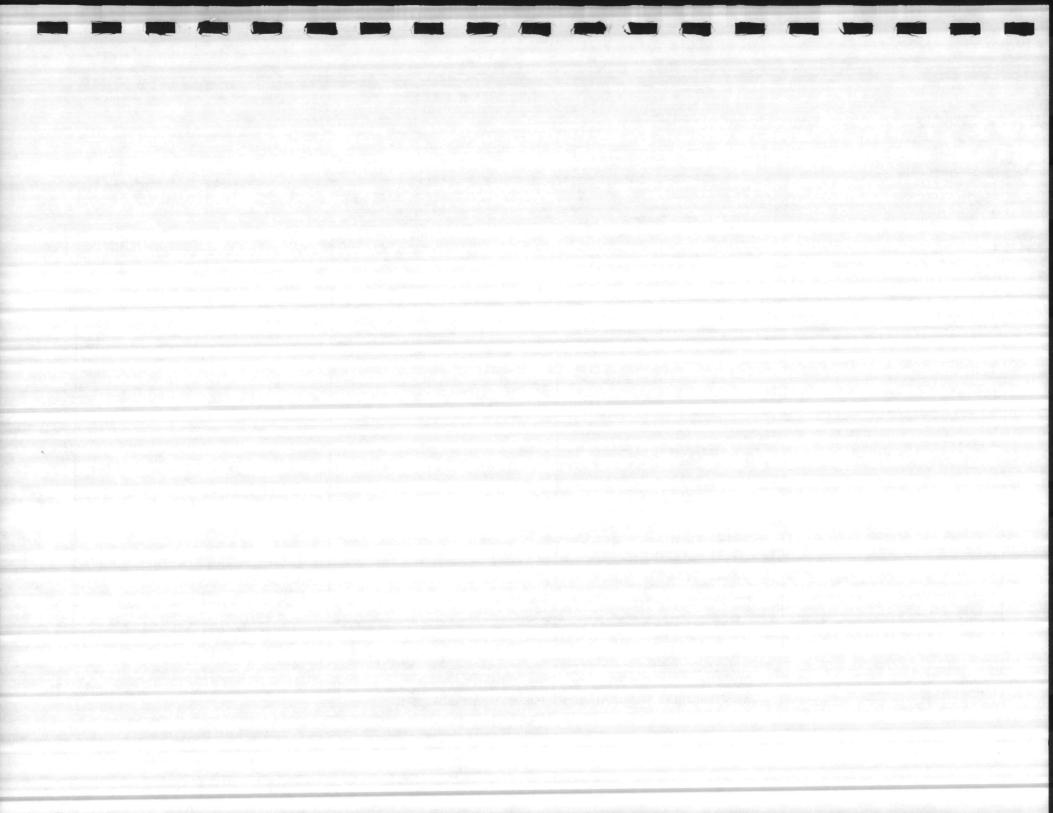
INSTRUCTIONS:

-- One form for each range/facility/simulator -- Fill in data elements as appropriate

-- Use right column for new or improved ranges needed

TY PE	RANGE FACILITY:
X	Live-Fire Full Caliber
	Live-Fire Subcaliber
	Simulator
	Maneuver Area
	Associated Air Space
Sec. 20	Other

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km)	1.4 X 1.3		
Primary Direction of Fire	NA		
Associated Air Space	To 17,999 ft; 399 sq km		
	TP9233 to TP9333 to TP9232 to TP9332 (TP933335)		
Safety Buffer Rear (km) Sides (km) Altitude (ft)	NA	 	· · · · · · · · · · · · · · · · · · ·
Number of Firing Points/ Stations	NA		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area			



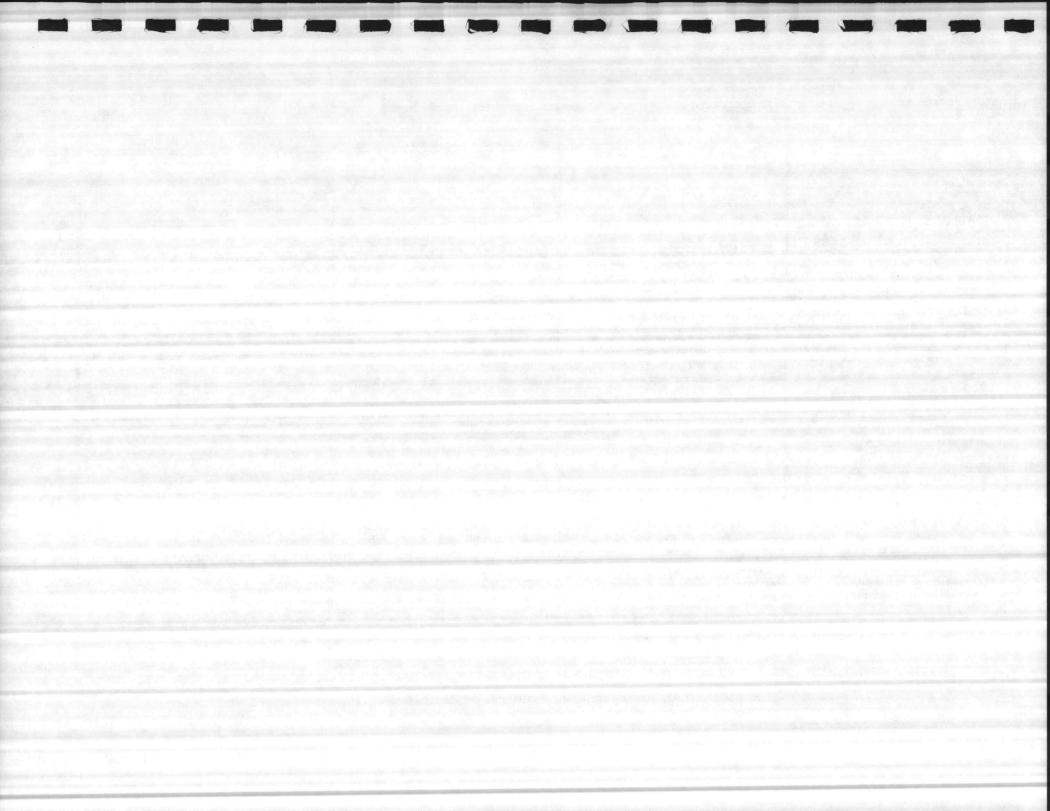
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Range Facilities (continued)Demonstration Area.Head Facility.Ammunition Bunker.Water System.Electrical System.Classroom.Bivouac Site.Other.			
Celemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Target Types Pop-up Stationary Moving Revolving Other	NA 		•
Are There Associated Simulation Devices? Yes, No, NA	NA		

PAGE 2 OF 6

DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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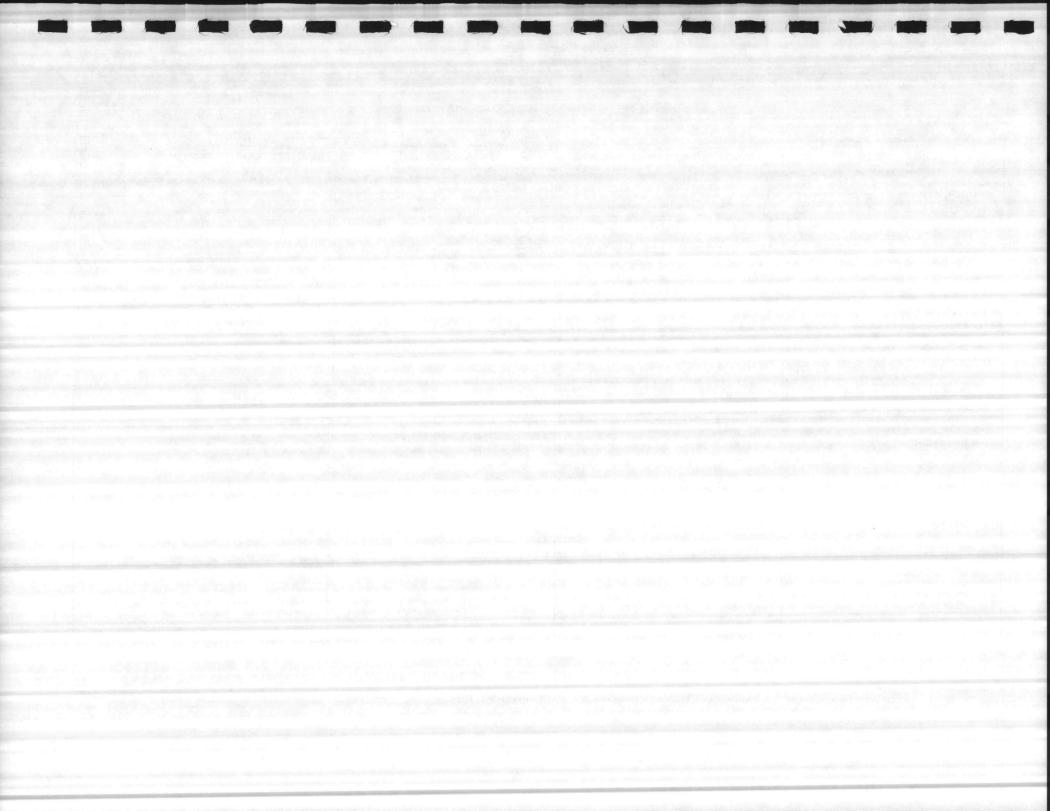


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	demolitions (500 lbs max)		
Climate Seasonal Tropic Temperate Arctic Desert All-Weather (Indoor) Other		NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	100	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	100	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010022 PAGE 3 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._

LFRTS-P-0001



LATAR RANGE/FACILITY I	NVENTORY DATA FORM	(LFRTS-P-0001)	(CONTINUED)
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100	······	
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	2		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	5		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	Undefined		
Number of Days per Year the Range/Facility is Available	365		
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

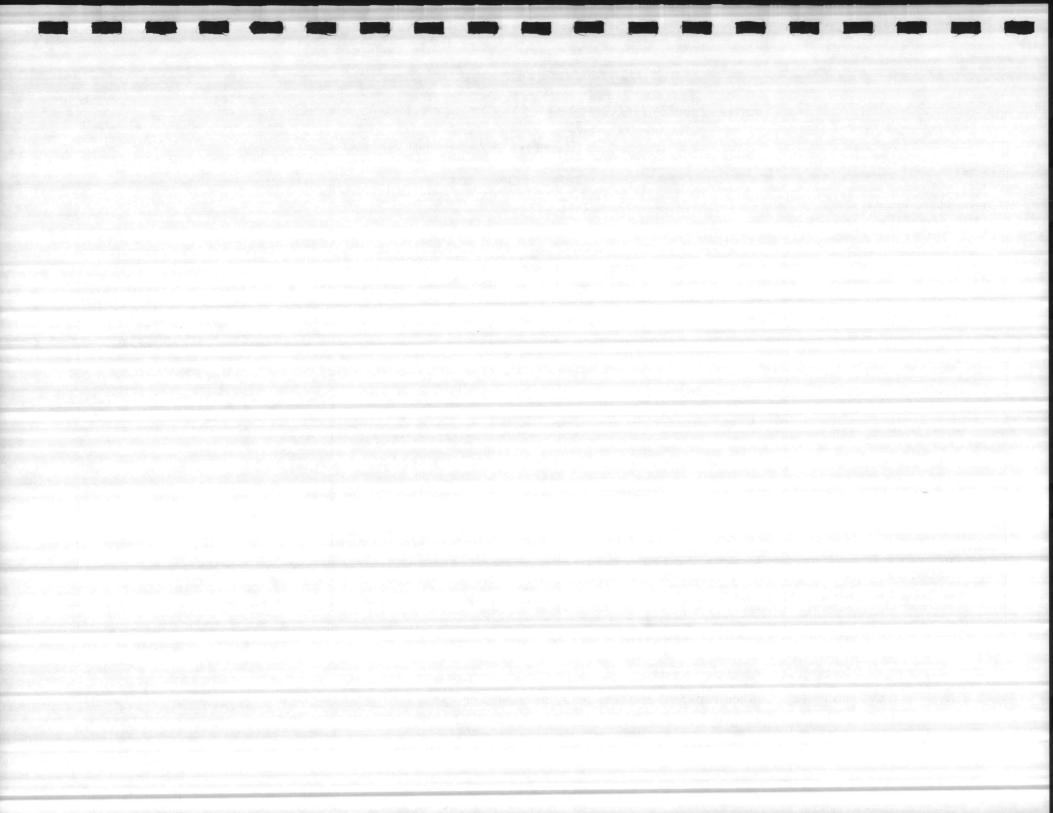
FILE NAME: LP010022 PAGE 4 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	NA 0	0	0
Other Ranges Which Must Be Closed When This Range is in Use	GF Maneuver Area GP-17, GP-18, GP-22		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes EOD use only Must comply with blast focus		· · · · · · · · · · · · · · · · · · ·
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	NA		
ILE NAME: LP010022 AGE 5 OF 6 DATE: 03/05/87	RANGE/FACILITY MANAGER: D. J		LFRTS-P-000

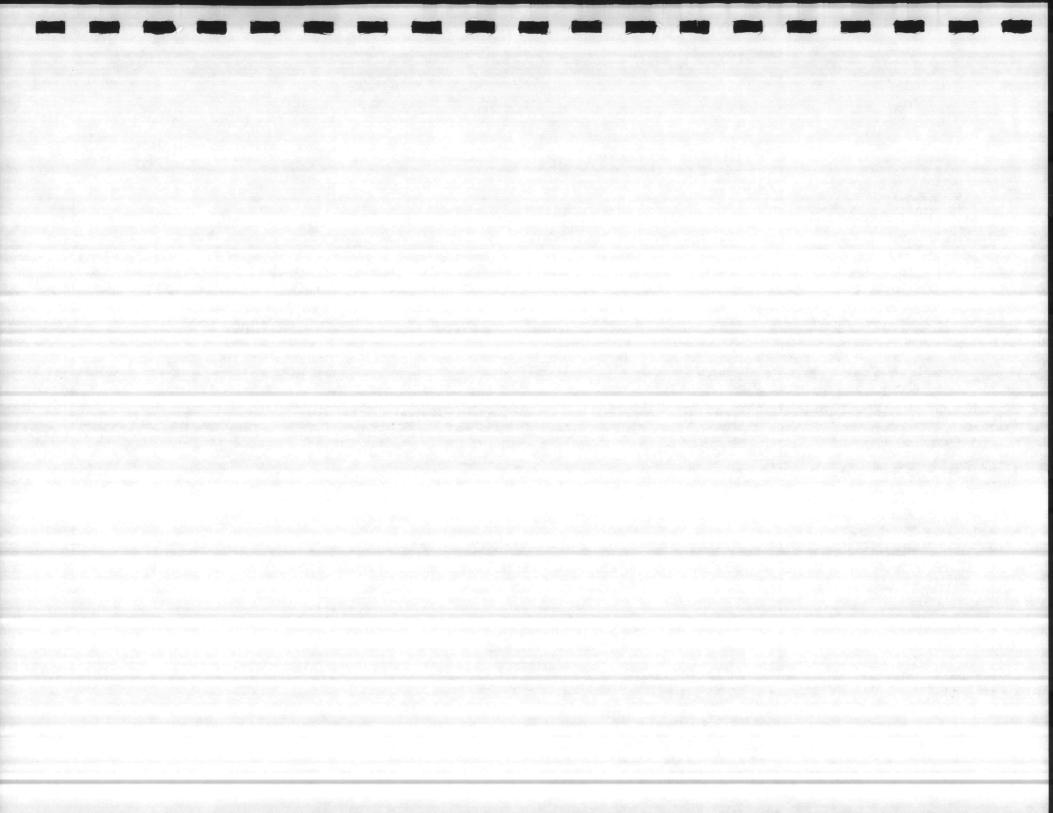
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ATAR RANGE/FACILITY INVENTORY DATA FORM (LERTS-F-0001)

	AND THE REAL OF THE OLIFI	the full of a second state of a second state of the second s
		danga recilitres Control Tower

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Restrictions on Range Use Environmental AICUZ	NA		
FAANoise			
Gas/Chemical Pyrotechnics/Flare Time of Day Time of Year			
Other			
	STUDE COMPANY AND		



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

RANGE NAME AND LOCATION: G-5 Mechanized Tank and LAV Gunnery Range, MCB, Camp Lejeune, NC Mechanized Tank and LAV Gunnery Range INSTRUCTIONS:

-- One form for each range/facility/simulator

-- Fill in data elements as appropriate

-- Use right column for new or improved ranges needed

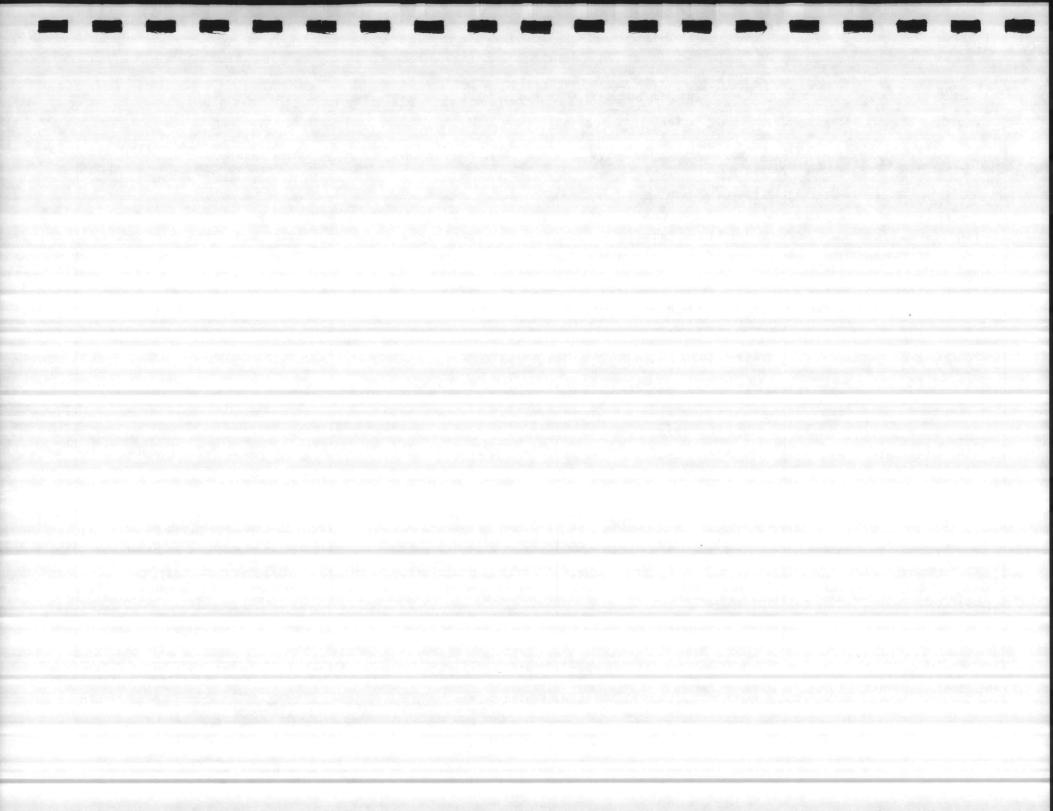
TYPE	RANGE FACILITY:
X	Live-Fire Full Caliber
	Live-Fire Subcaliber
1	Simulator
3 Martin	Maneuver Area
· printer of	Associated Air Space
1.5	Other

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km)	2.35 X 1.9		
Primary Direction of Fire	 2449 MILS/138 degrees		
Associated Air Space	To 17,999 ft; 399 sq km	and and the set of the	and the second se
Coordinates	TP942321		
Safety Buffer Rear (km) Sides (km) Altitude (ft)	50 m to 150 m		
	 Berm up to 15 tank firing points 		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area	X X X		
	l I		

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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued)Demonstration AreaHead FacilityAmmunition BunkerWater SystemElectrical SystemClassroomBivouac SiteOther	x		
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Carget Types Pop-up Stationary Moving Revolving Other	x		•
Are There Associated Simulation Devices? Yes, No, NA	NA		

PAGE 2 OF 6 DATE: 03/05/

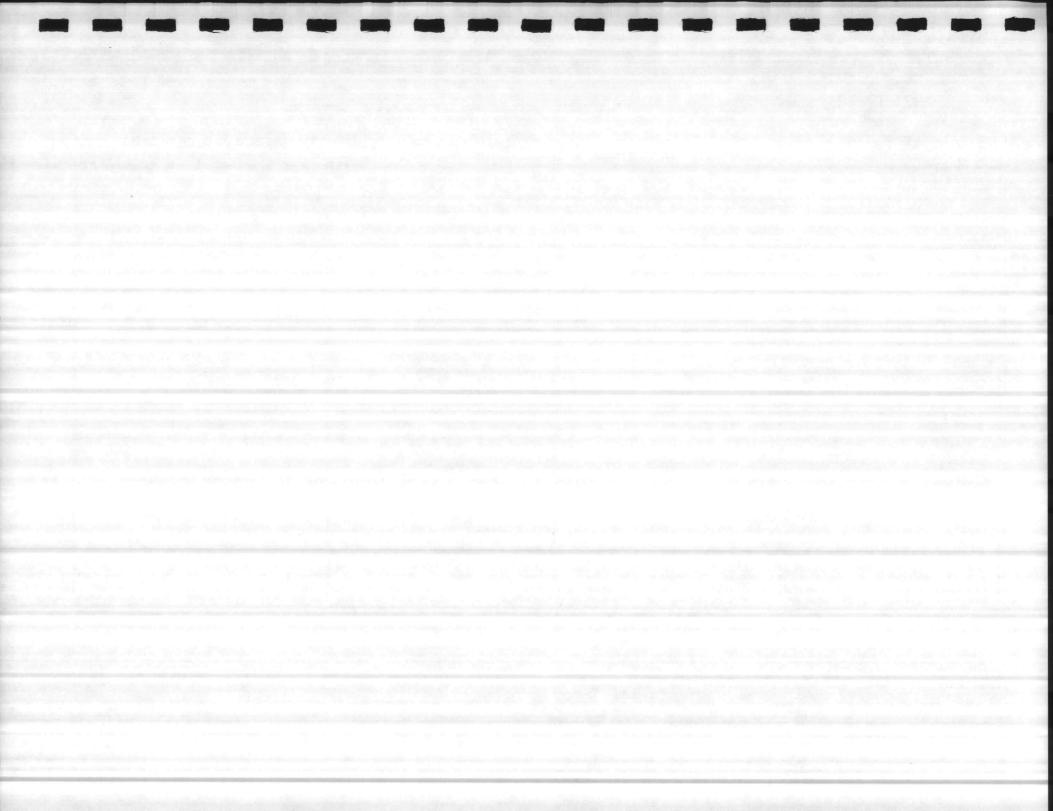
DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

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LATAR	RANGE/FACILITY	TNVENTORY	DATA	FORM	(L.FRTS-P-0001)	(CONTINUED)
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	.50-cal, M16, M60, Dragon, TOW, 105-mm main tank gun, 25-mm cannon, 155-mm/8-in direct fire artillery		
Climate Seasonal Tropic Temperate Arctic. Desert. All-Weather (Indoor) Other	x	NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	100	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	75 25	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010023 PAGE 3 OF 6 DATE: 03/05/87

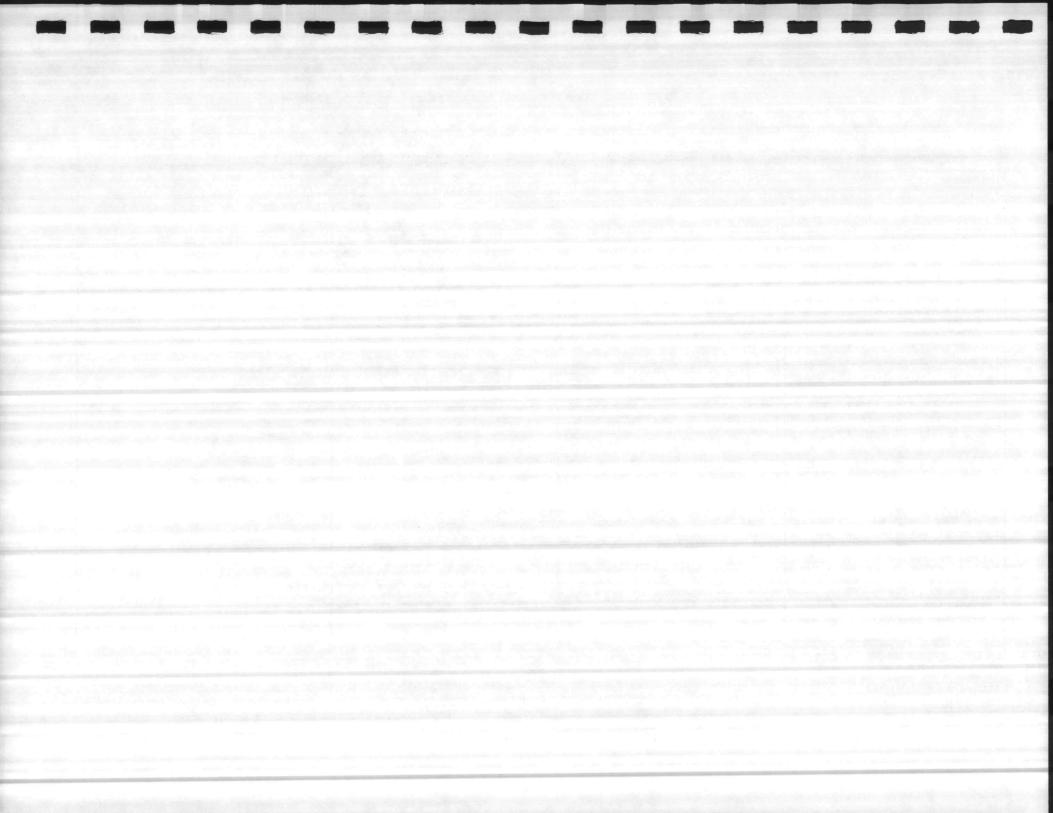
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	7		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	1 Tank Co per day		
Number of Days per Year the Range/Facility is Available	340		
Is Range/Facility Capable of Nighttime Use? Yes, No	Yes		

FILE NAME: LP010023 PAGE 4 OF 6 DATE:

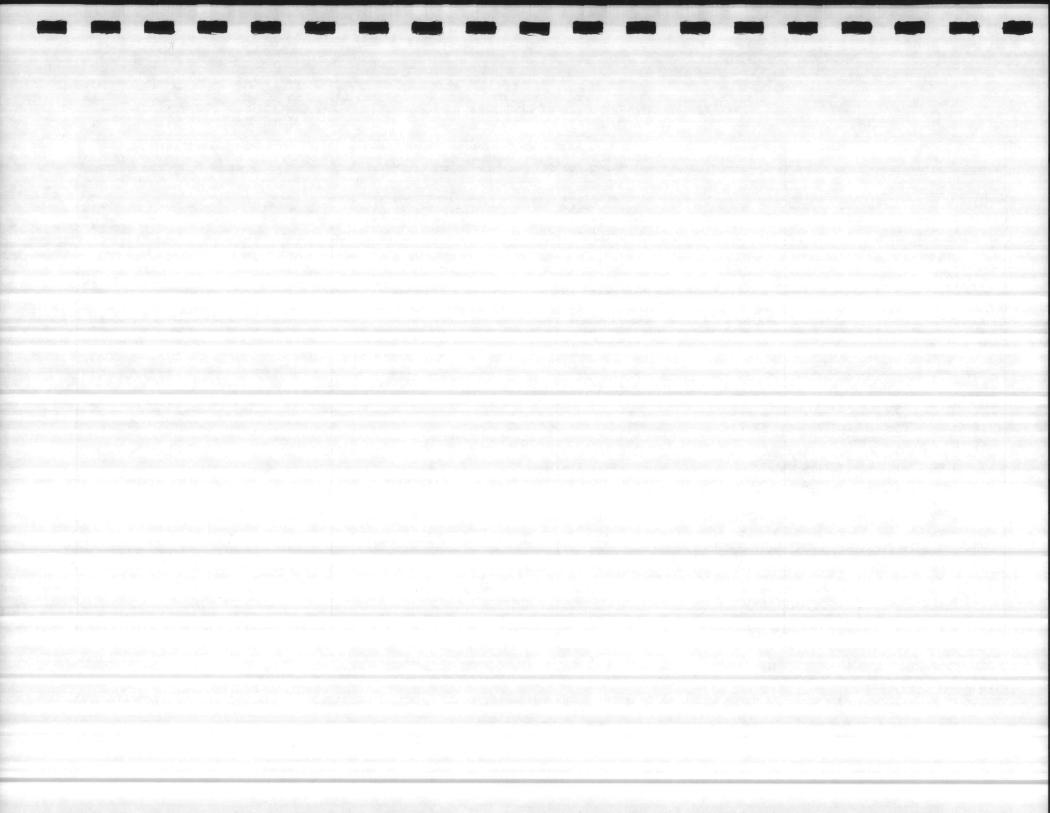
DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

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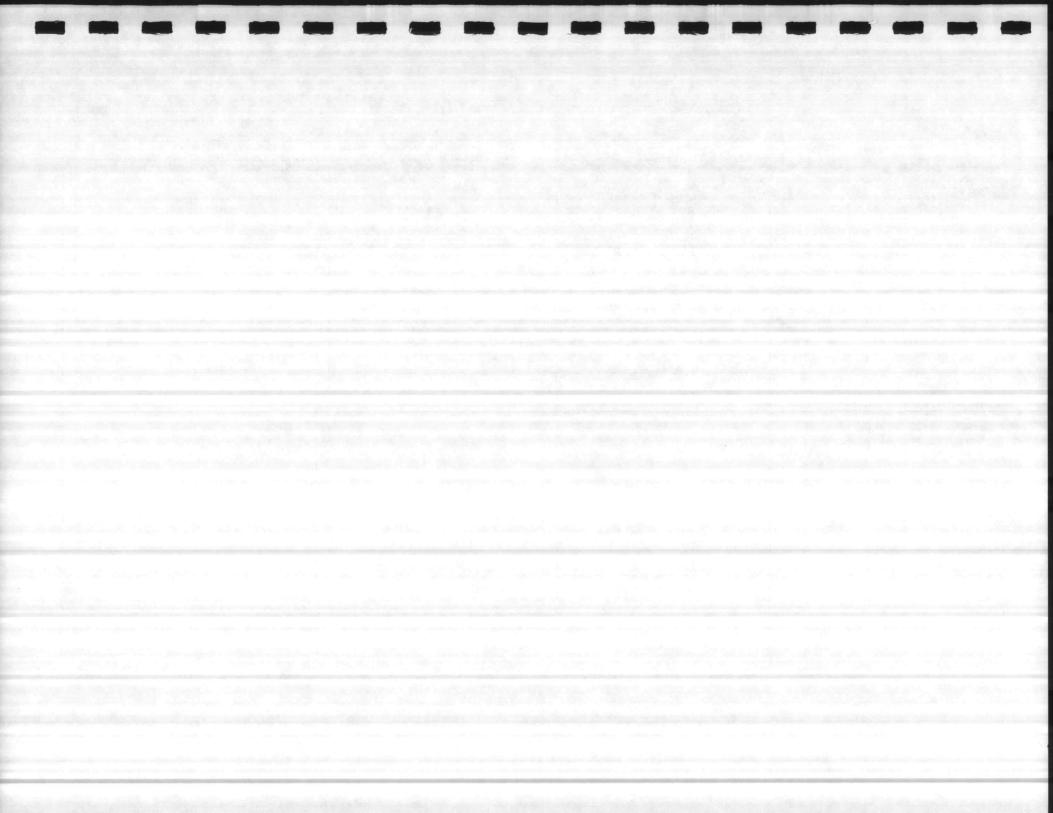


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	25 25	0	0
Other Ranges Which Must Be Closed When This Range is in Use	G-6, BT-3, Browns Tower		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes AIWW closed		· · · · · · · · · · · · · · · · · · ·
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	Yes Aerial sweep prior to firing No downrange movement Towers manned	• •	

FILE NAME: LP010023 PAGE 5 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Restrictions on Range Use Environmental AICUZ. FAA. Noise Gas/Chemical Pyrotechnics/Flare Time of Day	X Restricted air space R-5306D		
Time of Year Other			

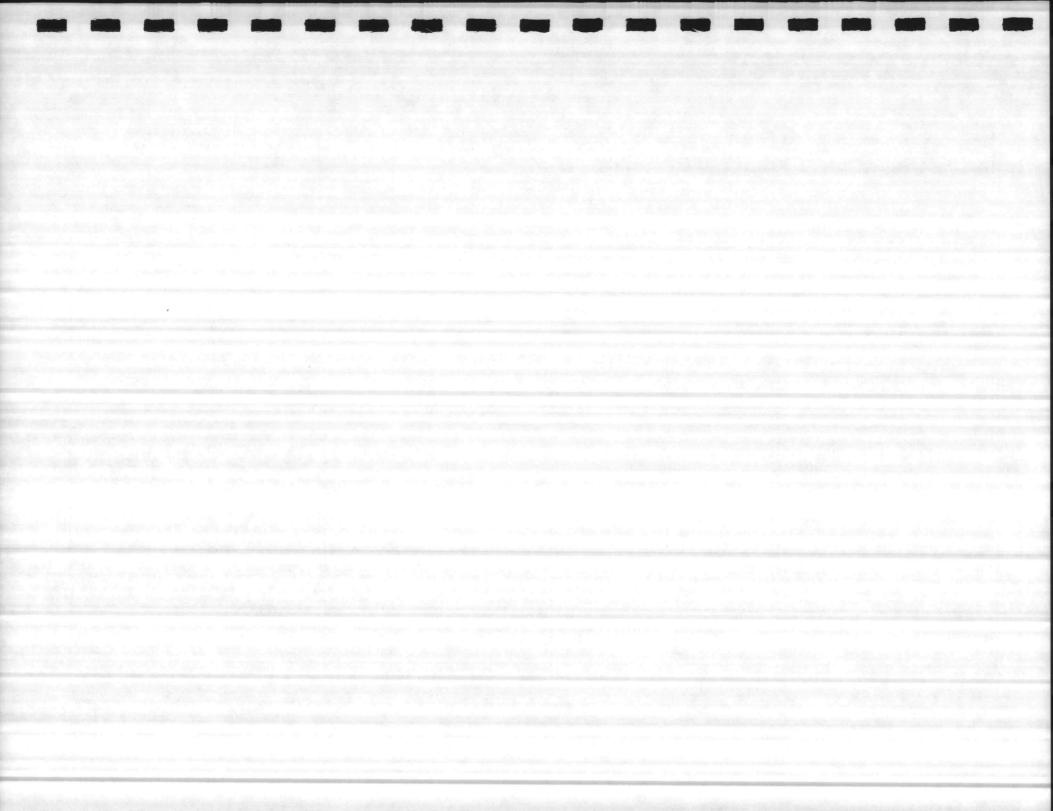
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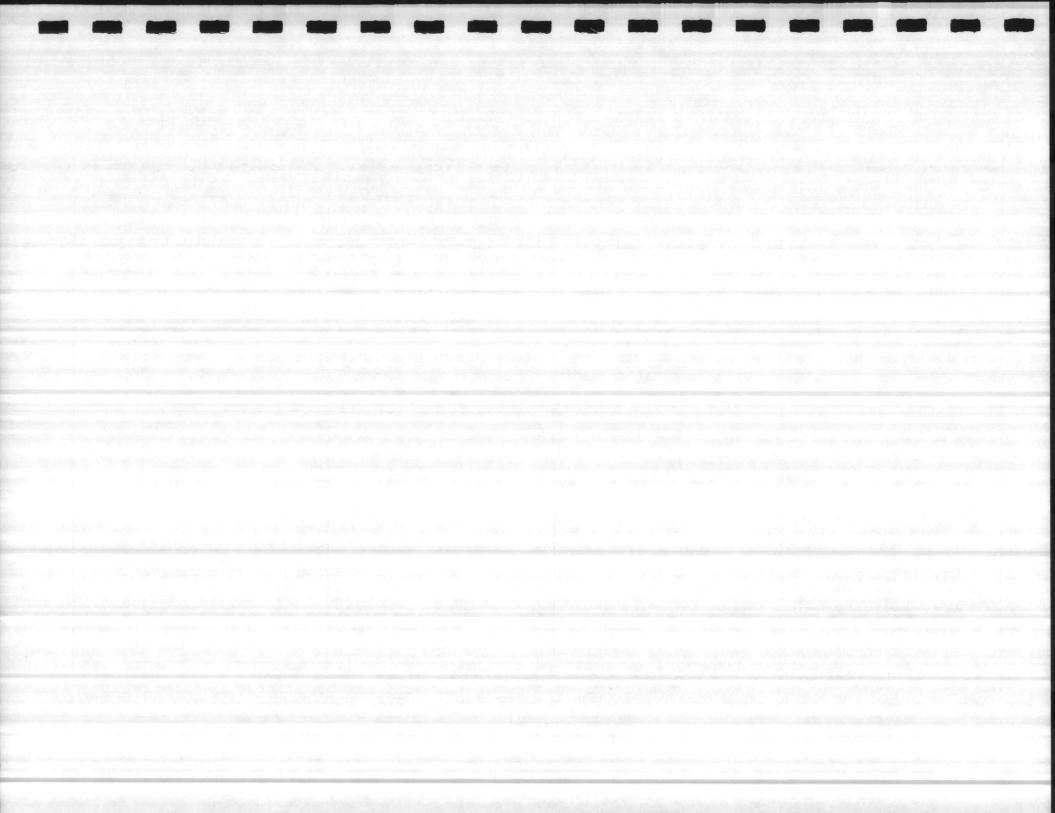
SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

RANGE NAME AND LOCATION: G-6 Tank Gunnery Range, MCB, Camp Lejeune, NC Tank Gunnery Range INSTRUCTIONS:

-- One form for each range/facility/simulator
 -- Fill in data elements as appropriate
 -- Use right column for new or improved ranges needed

TY PE	RANGE FACILITY:
X	Live-Fire Full Caliber
	Live-Fire Subcaliber
	Simulator
	Maneuver Area
Strange of	Associated Air Space
	Other

PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
4 X 1.58		
2850 MILS/160 degrees		
To 17,999 ft; 399 sq km	ten carde religió - religionero de se	and a short a statistic statistic statistic statistics and
ТР942336		
	and the set and see all	
		•
NA Running gun		
x x x		
	4 X 1.58 2850 MILS/160 degrees To 17,999 ft; 399 sq km TP942336 150 m NA Running gun	PRESENT CHARACTERISTICS (INCLUDE YEAR) 4 X 1.58 2850 MILS/160 degrees To 17,999 ft; 399 sq km TP942336 150 m NA Running gun X X



LATAR RANGE/FACILITY INVENT	ORY DATA FORM	(LFRTS-P-0001)	(CONTINUED)
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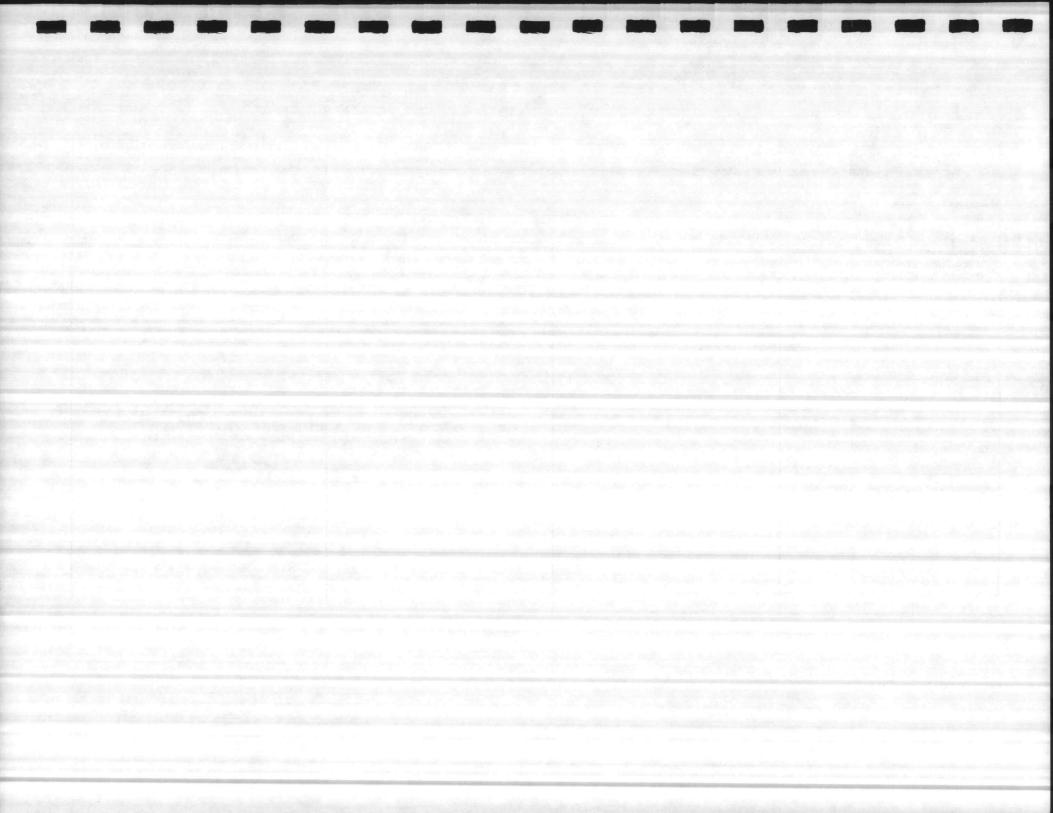
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued)Demonstration AreaHead FacilityAmmunition BunkerWater SystemElectrical SystemClassroomBivouac SiteOther	X		
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other			
Target Types Pop-up Stationary Moving Revolving Other	Х		
Are There Associated Simulation Devices? Yes, No, NA	NA		

PAGE 2 OF 6 DATE: 03/05/

DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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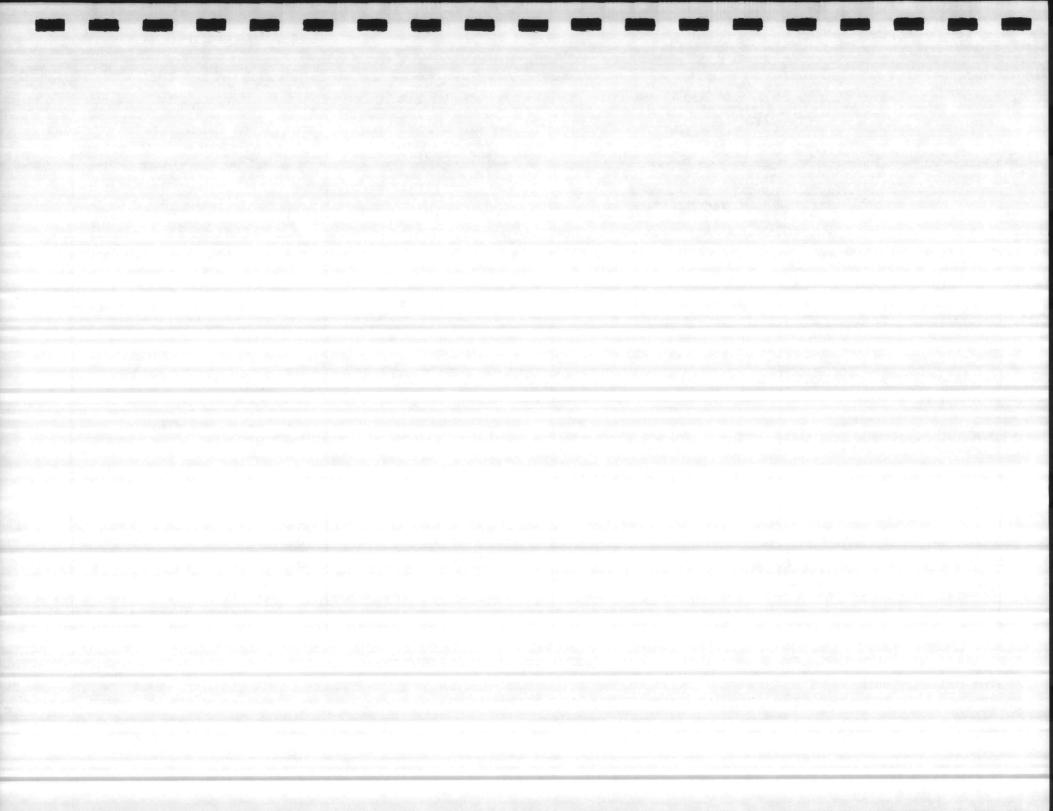
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	50-cal, M60, 7.62-mm coaxial, 25-mm cannon, 105-mm main tank gun, TOW, 60-mm illumination, 81-mm illumination, M40A1		·
Climate Seasonal	x		
Tropic. Temperate. Arctic. Desert. All-Weather (Indoor) Other.		NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp	100		
Percentage Desert Percentage Beach Percentage Level Percentage Water		NOT APPLICABLE	NOT APPLICABLE
Soil Type			
Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy	75	NOT APPLICABLE	NOT APPLICABLE
Percentage Other			

FILE NAME: LP010024 PAGE 3 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._

LFRTS-P-0001

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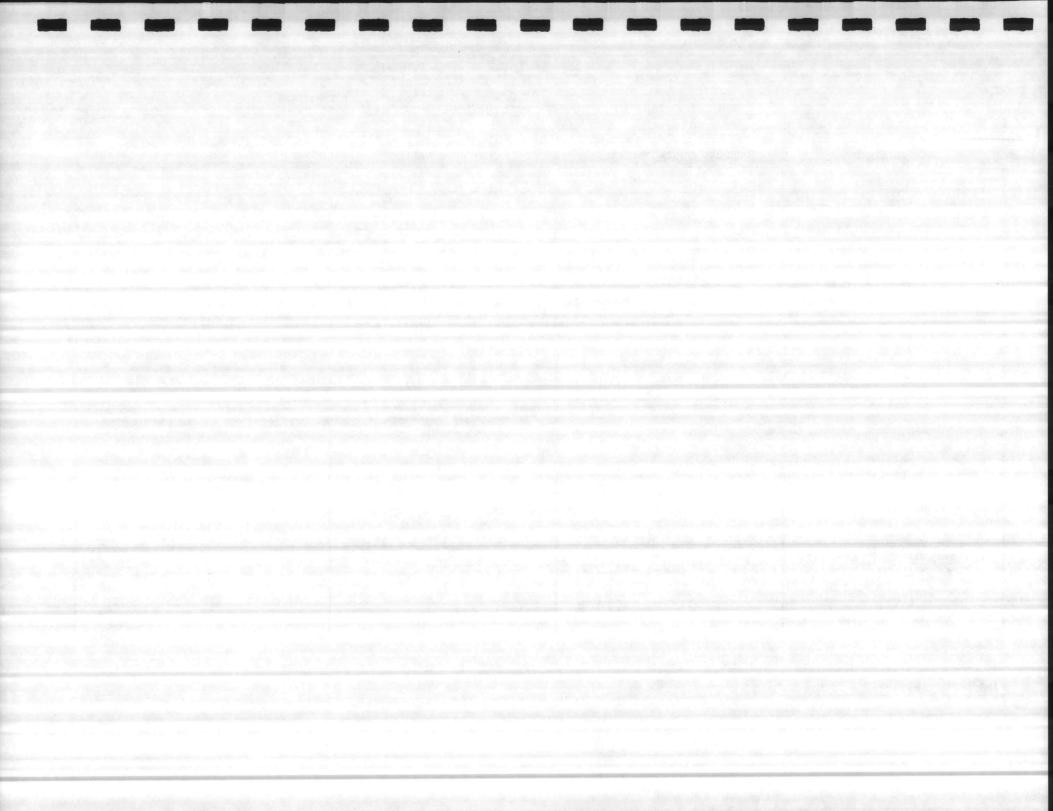


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy			
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1 		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	7		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	Undefined		
Number of Days per Year the Range/Facility is Available	340		
Is Range/Facility Capable of Nighttime Use? Yes, No	Yes		

FILE NAME: LP010024 PAGE 4 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

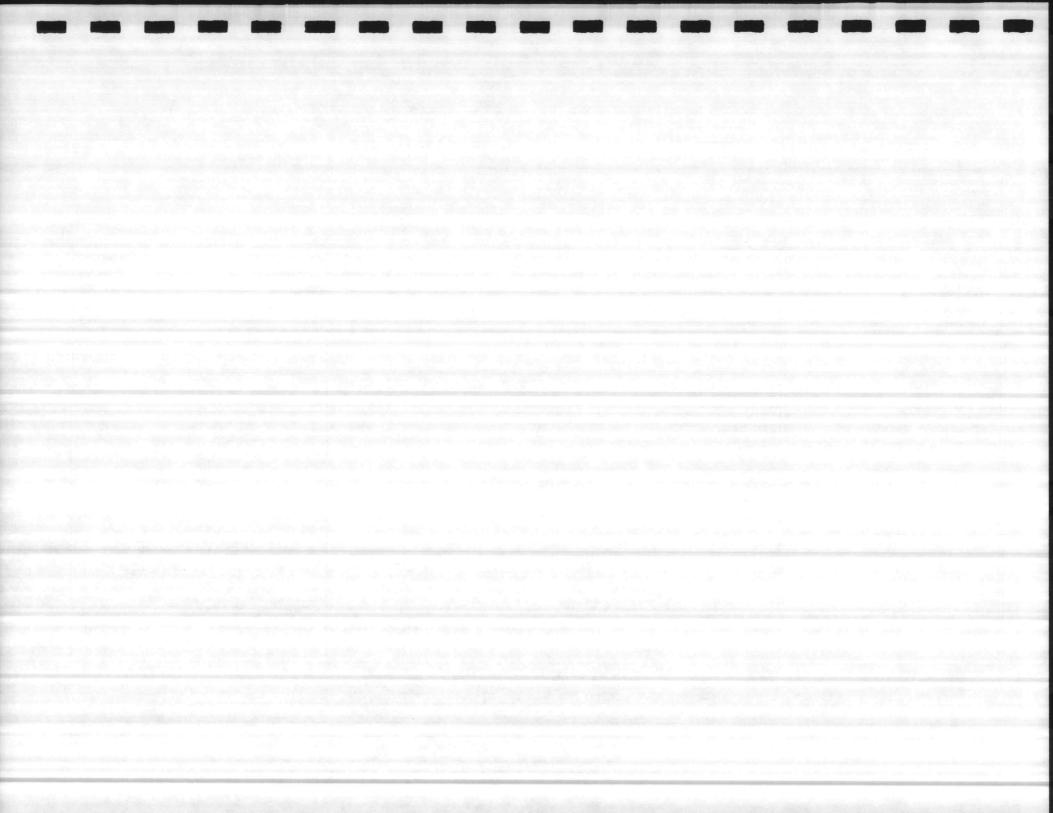


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total. Maintenance. Weather. Budget. Fire Condition/Weather Weekends/Holidays. Other.	25 25	0	0
Other Ranges Which Must Be Closed When This Range is in Use	G-5, BT-3, Browns Tower, Highway 172		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes EOD sweep prior to use AIWW closed		•
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	Yes Aerial sweep prior to firing Towers manned		

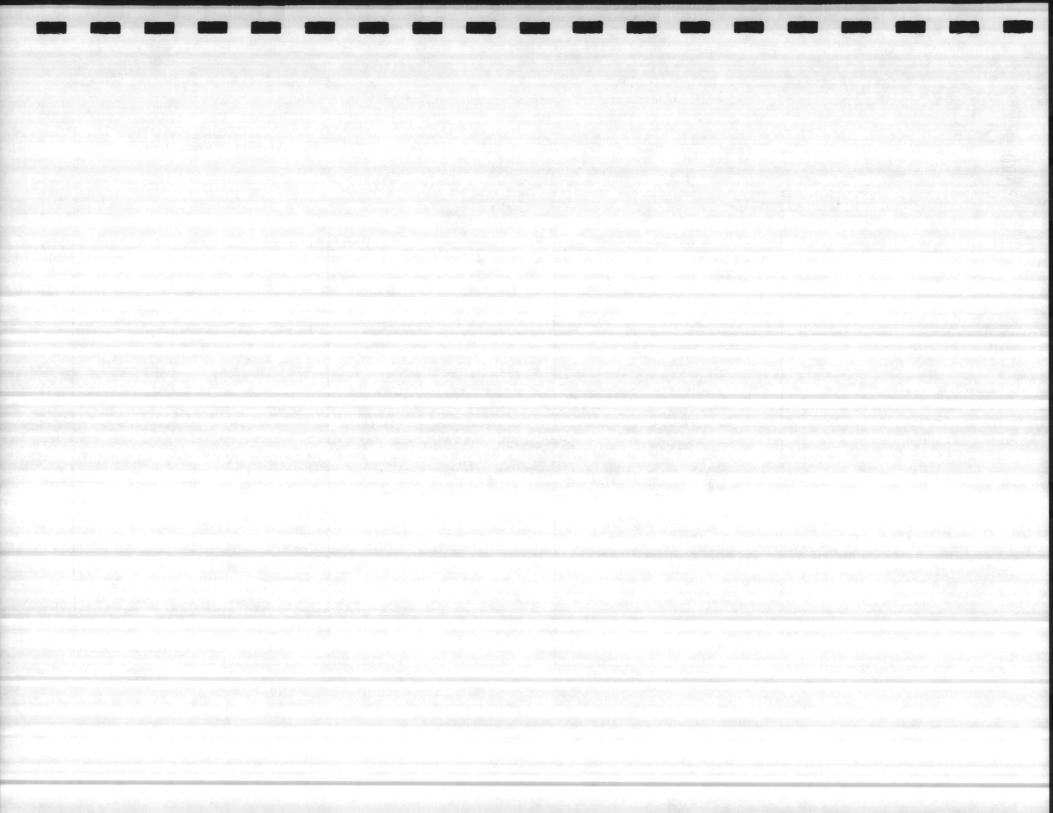
FILE NAME: LP010024 PAGE 5 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Restrictions on Range Use Environmental AICUZ. FAA. Noise. Gas/Chemical Pyrotechnics/Flare	X Restricted air space R-5306D		
Time of Day Time of Year Other			
		,	
 File NAME: LP010024	 		



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

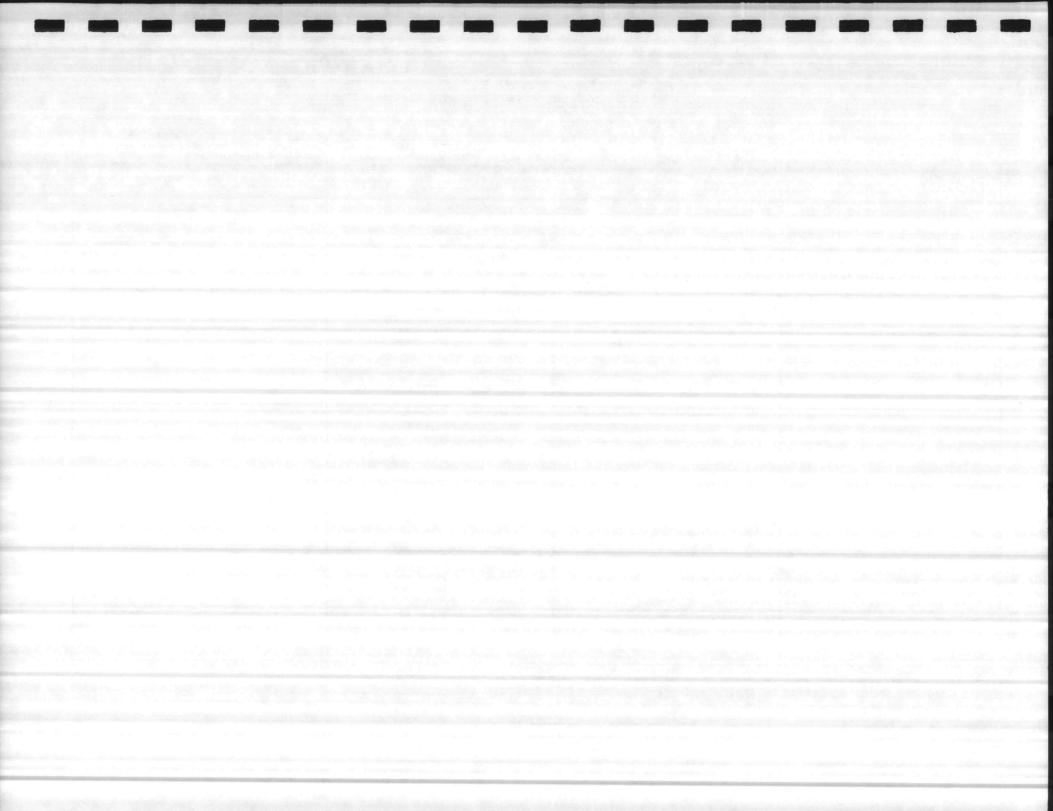
TYPE RANGE FACILITY: Live-Fire Full Caliber X Live-Fire Subcaliber Simulator Maneuver Area Associated Air Space Other

RANGE NAME AND LOCATION: BT-3 Bombing and Target Range, N-1 Impact Area, MCB, Camp Lejeune, NC Bombing and Target Range/Impact Area INSTRUCTIONS:

-- One form for each range/facility/simulator

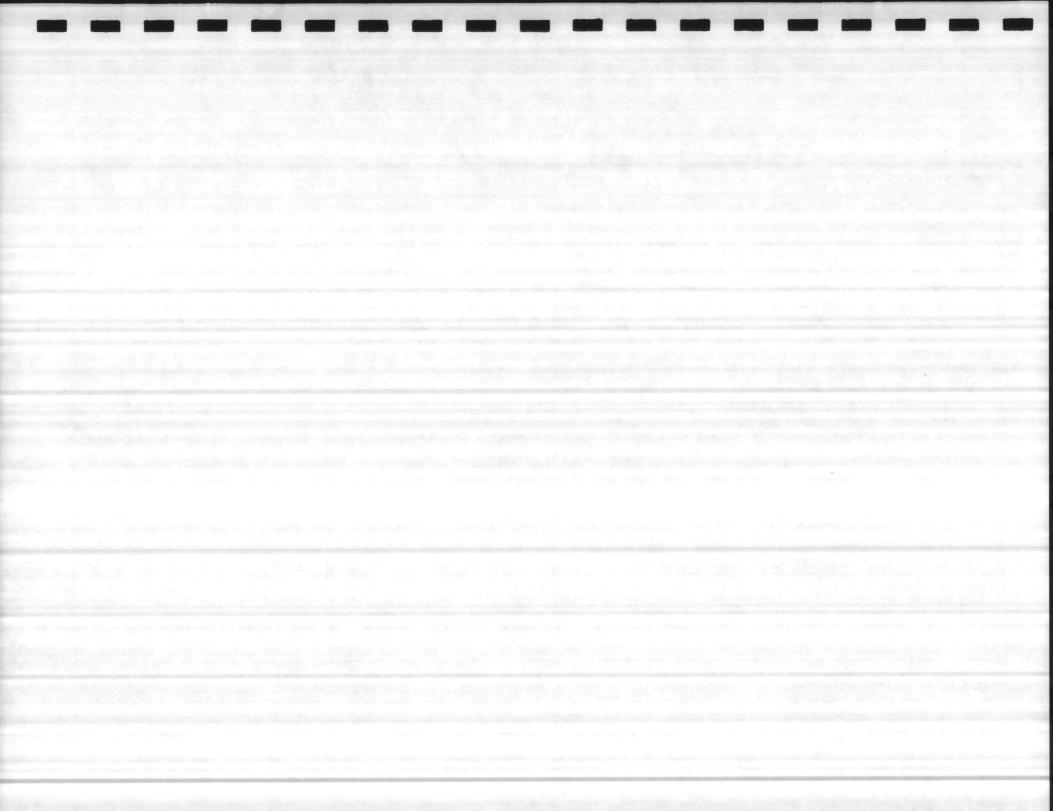
-- Fill in data elements as appropriate -- Use right column for new or improved ranges needed

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
ange Shape and Dimensions Dimensions (km)	See Description (page 6 of 6)		
Primary Direction of Fire	360 degrees		and the state of the second
Associated Air Space	To 17,999 ft; 399 sq km	an an Topper the second second second second	and a set of the second se
Coordinates	 See Coordinates (page 6 of 6) 		
afety Buffer Rear (km) Sides (km) Altitude (ft)	 NA NA To 17,999 ft; 399 sq km 	 	
Stations	No specified firing positions. Firing lines associated with E-1, G-5, G-5A, G-6, G-7		
ange Facilities			
Control Tower Communications System Target Shed Utility Building Aid Station. Parking Area. Viewing Area.			



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site Other			
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Farget Types Pop-up Stationary Moving Revolving Other	x		
Are There Associated Simulation Devices? Yes, No, NA			

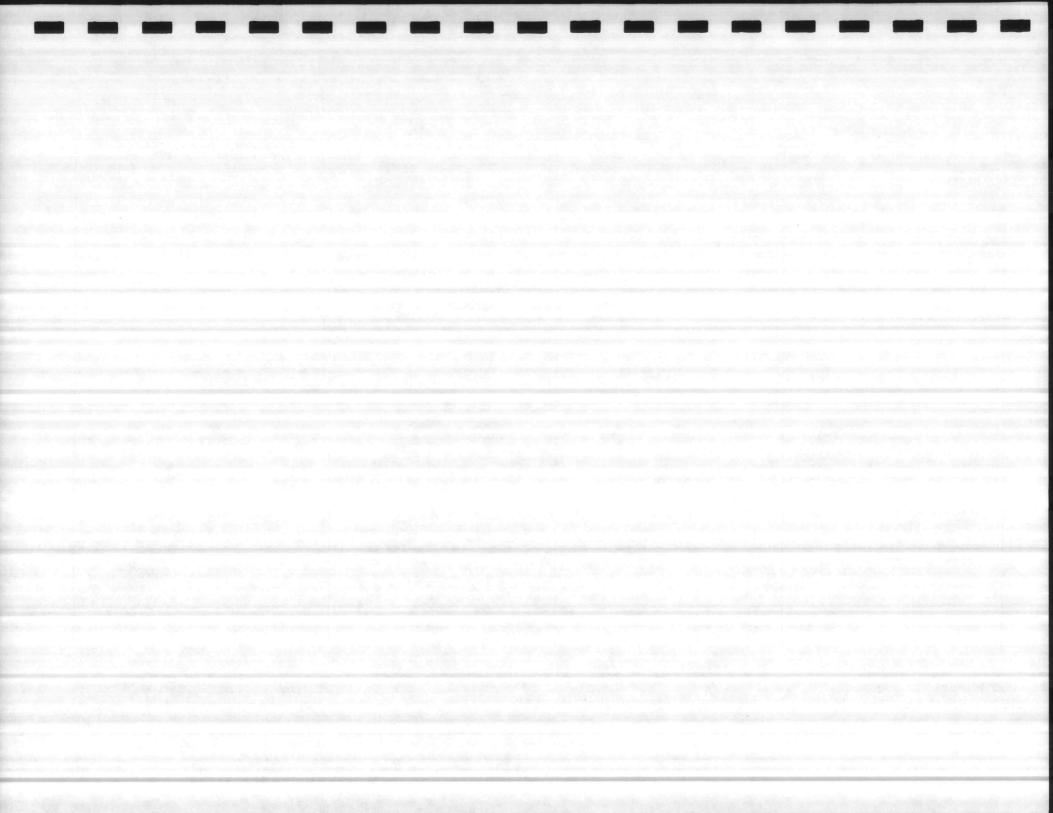
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	105-mm main tank gun, 105-mm, 115-mm reduced charge, 8-in reduced charge, 60-mm, 81-mm, direct fire, indirect fire, CAS (250 lbs TNT equivalent), 25-mm cannon		
Climate Seasonal Tropic Temperate Arctic Desert. All-Weather (Indoor) Other		NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	5 5 	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	5	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010025 PAGE 3 OF 6 DATE: DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

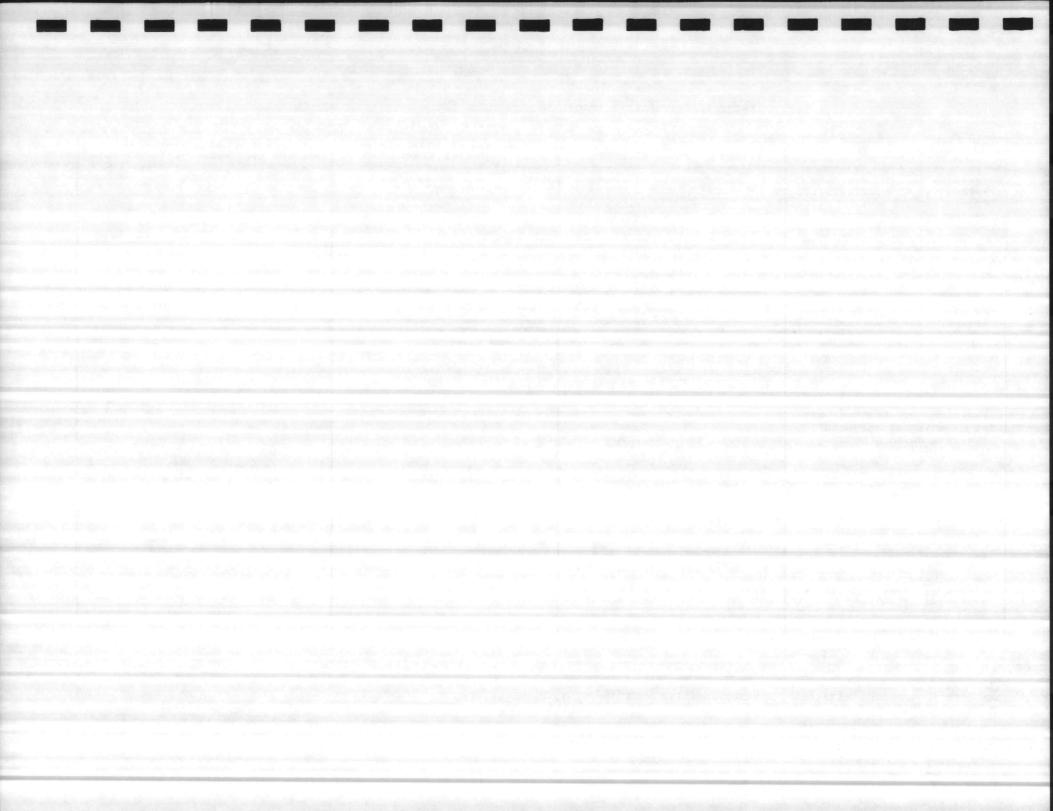


LATAR RANGE/FACILI	Y INVENTORY D	DATA FORM (LFRTS-P-0001)	(CONTINUED)
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy			
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1 1 1 1 1		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	8	 	
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	NA 11 artillery* 70 tanks 45 fast-moving** *or 2 HAWK or 2 FAAD (STINGER) **or 22 helicopters	· · · · · · · · · · · · · · · · · · ·	
Number of Days per Year the Range/Facility is Available	365		
Is Range/Facility Capable of Nighttime Use? Yes, No	Yes		

FILE NAME: LP010025 PAGE 4 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

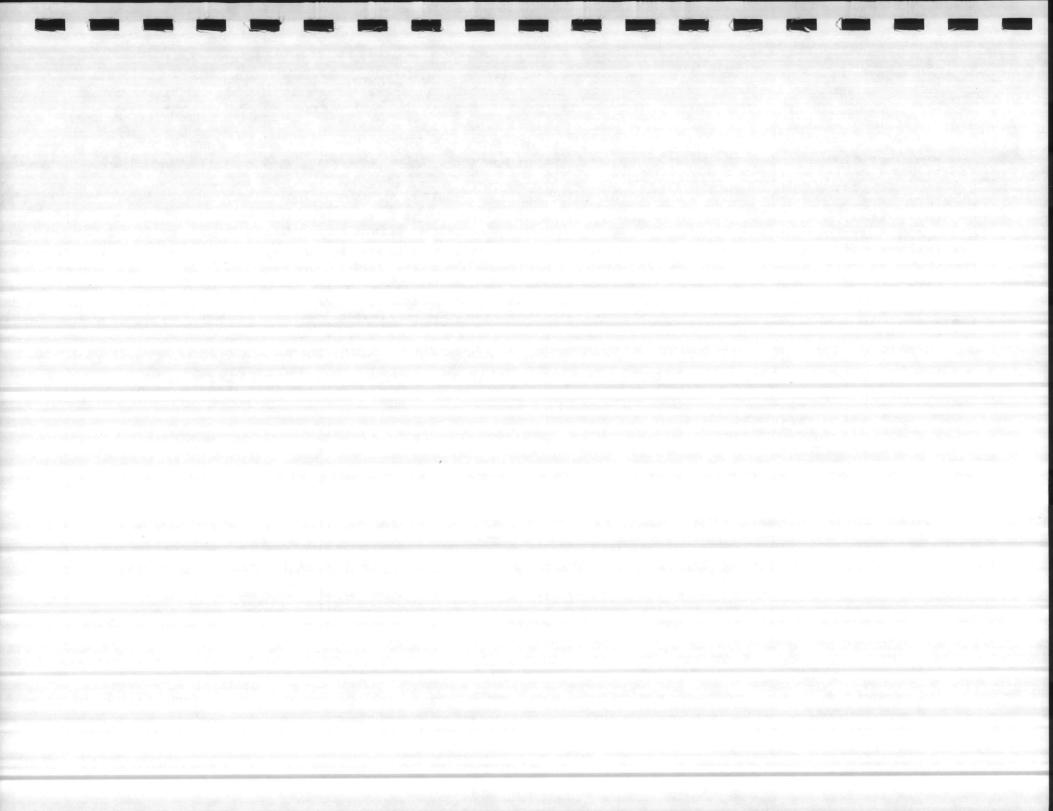


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	NA 0	0	0
Other Ranges Which Must Be Closed When This Range is in Use	NA		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes Close AIWW		· · ·
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	Yes Towers manned TOW missiles not normally fired because of guide wire hazard across inland water area		

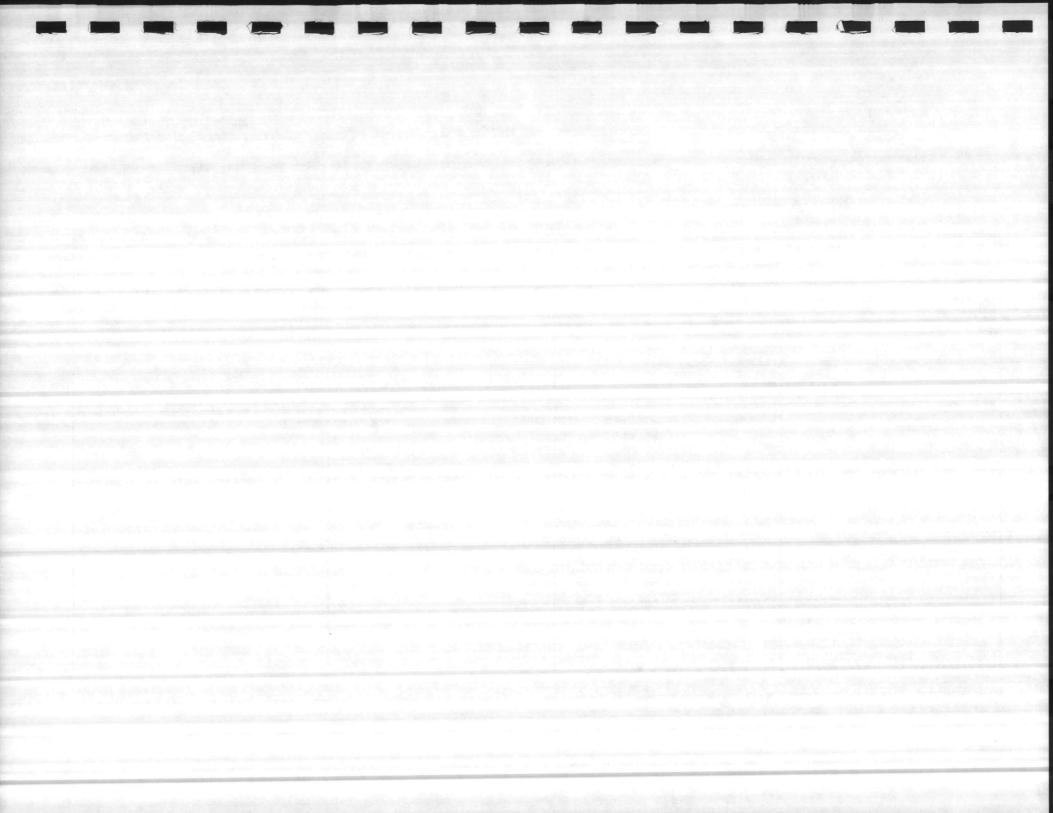
FILE NAME: LP010025 PAGE 5 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Restrictions on Range Use Environmental AICUZ FAA Noise Gas/Chemical Pyrotechnics/Flare Time of Day Time of Year Other	X Restricted air space R-5306D		
	Description (from page 1 of 6) Range is from Onslow north tower to northeast along the beach to Bear Inlet and seaward approximately 25,000 yds. Coordinates (from page 1 of 6)		
	BT-3 (N-1) Surface Danger Zone: 93342722 to 93352876 to 94253150 to 97143405 to 97773377 to 98103370 to 98503310 to 98503300 to 99003269 to 99653235 to 00953167 to 96352929 to 96062900 to 94592811 to 93342722	•	
	BT-3 (N-1) Impact Area: 94282892 to 94873067 to 97163285 to 97653255 to 98683189 to 99133167 to 96113012 to 95782995 to 95542971 to 94282892		



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

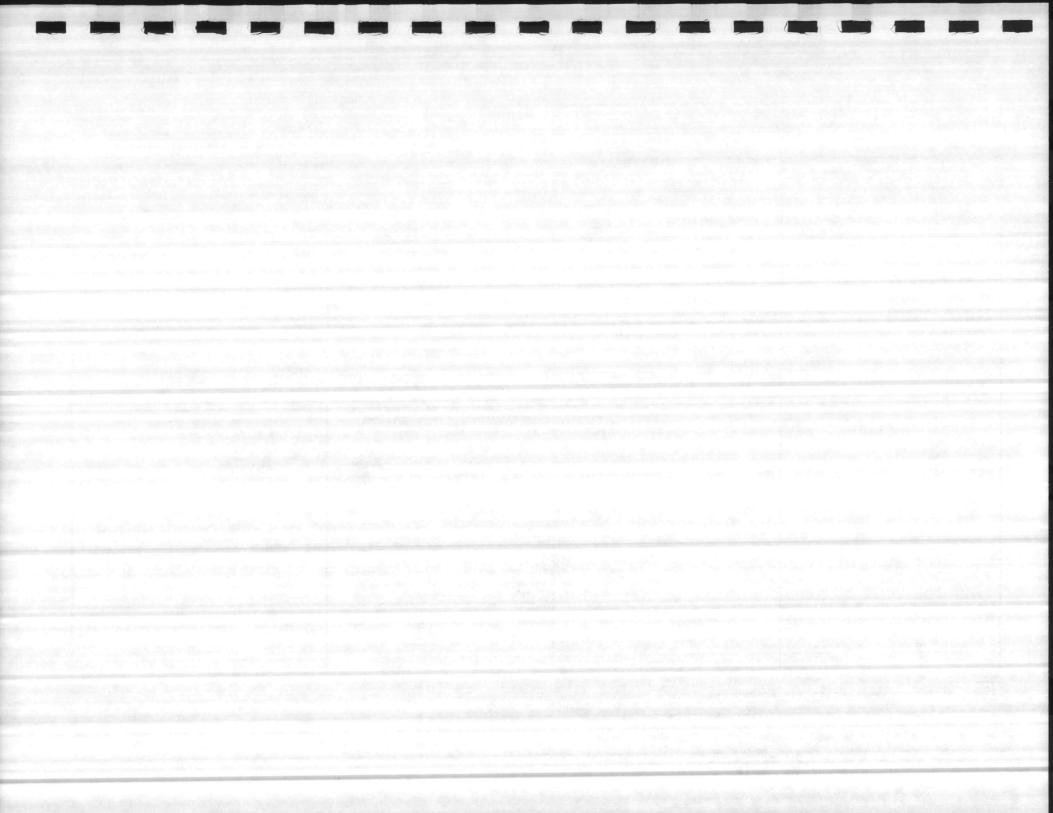
RANGE NAME AND LOCATION: G-7 Tank and LAV Gunnery Range, MCB, Camp Lejeune, NC Tank and LAV Gunnery Range INSTRUCTIONS:

-- One form for each range/facility/simulator

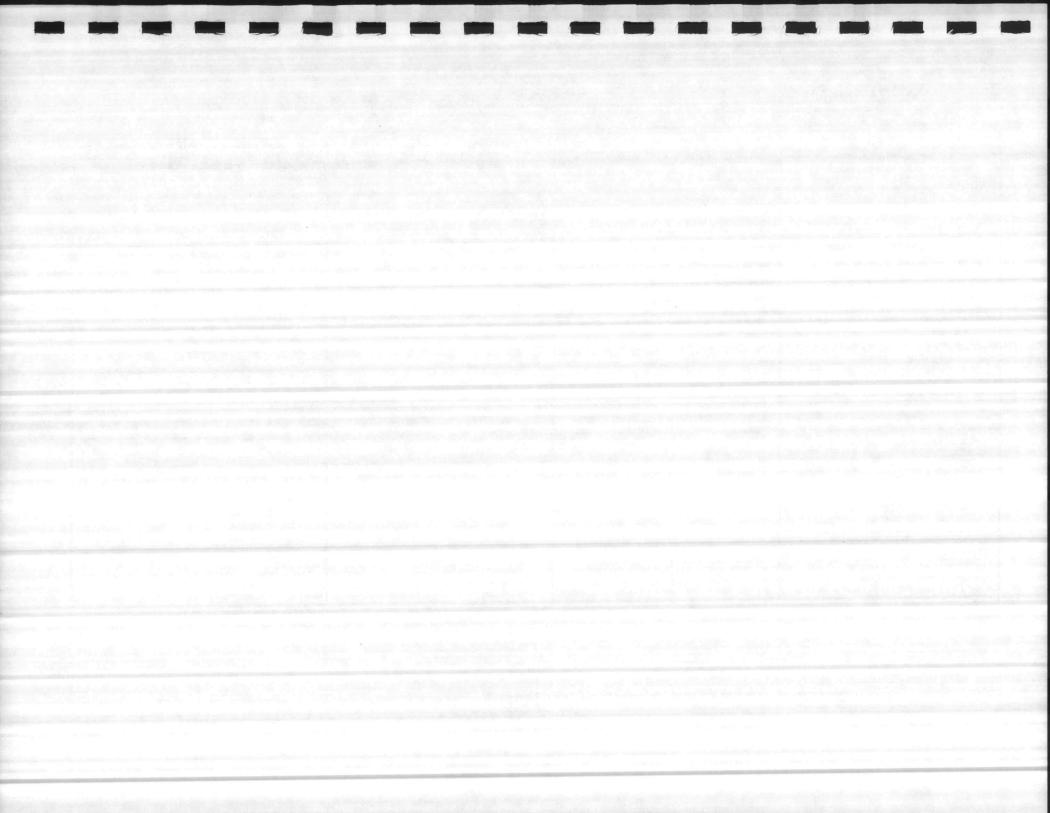
-- Fill in data elements as appropriate -- Use right column for new or improved ranges needed

TYPE	RANGE FACILITY:
X	Live-Fire Full Caliber
	Live-Fire Subcaliber
	Simulator
	Maneuver Area
	Associated Air Space
- William	Other

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km)	1.4 X 1.25		
Primary Direction of Fire	2598 MILS/146 degrees	and the second	
Associated Air Space	To 17,999 ft; 399 sq km		
Coordinates	TP959342		
Safety Buffer Rear (km) Sides (km) Altitude (ft)	NA		•
	Up to 15 tanks can fire simultaneously	-	
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area.	X		



PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
x		
NA		
x		· · · · · · · · · · · · · · · · · · ·
NA		
	x NA X	PRESENT CHARACTERISTICS (INCLUDE YEAR) x



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range	M60, .50-cal, 25-mm cannon, 7.62-mm coaxial, 105-mm main tank gun, 105-mm direct fire, 155-mm/8-in direct fire, 60-mm illumination, 81-mm illumina- tion, MK19, M40A1		
Climate Seasonal Tropic Temperate Arctic. Desert. All-Weather (Indoor) Other.	x	NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water		NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	75	NOT APPLICABLE	NOT APPLICABLE
<u>Te Range/Tudility Capable df</u> Bighttime User Tes; Ru		İ	-

FILE NAME: LP010026 PAGE 3 OF 6 DATE: 03/05/87

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RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._

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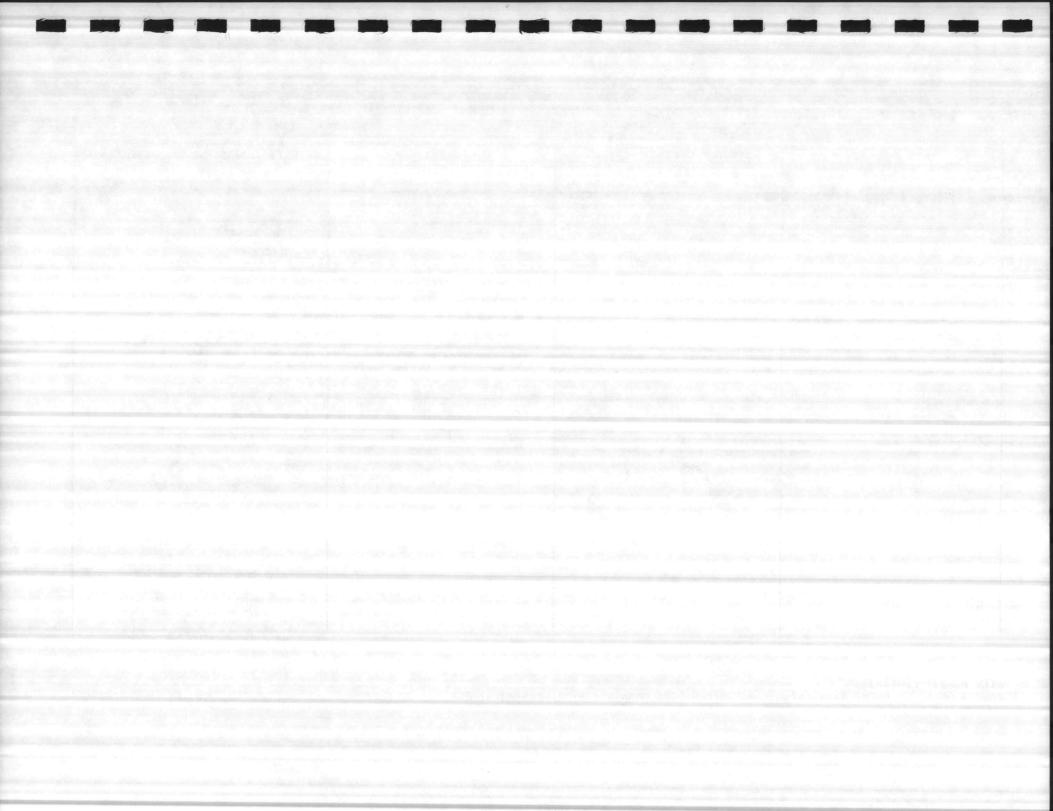
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		Vegatalion Percentage None Percentage Sparse Percentage Modsrate Percentage Nedsrate
		Accesse So. of Land Mocer Fortes No. of Land Mater Rouses No. of Air Sgress Poules No. of Seadh Access Areas
	235 	

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1	······	
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	7		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	Undefined		
Number of Days per Year the Range/Facility is Available	345		
Is Range/Facility Capable of Nighttime Use? Yes, No	Уев		

FILE NAME: LPO10026 PAGE 4 OF 6 DATE: 03/05/87

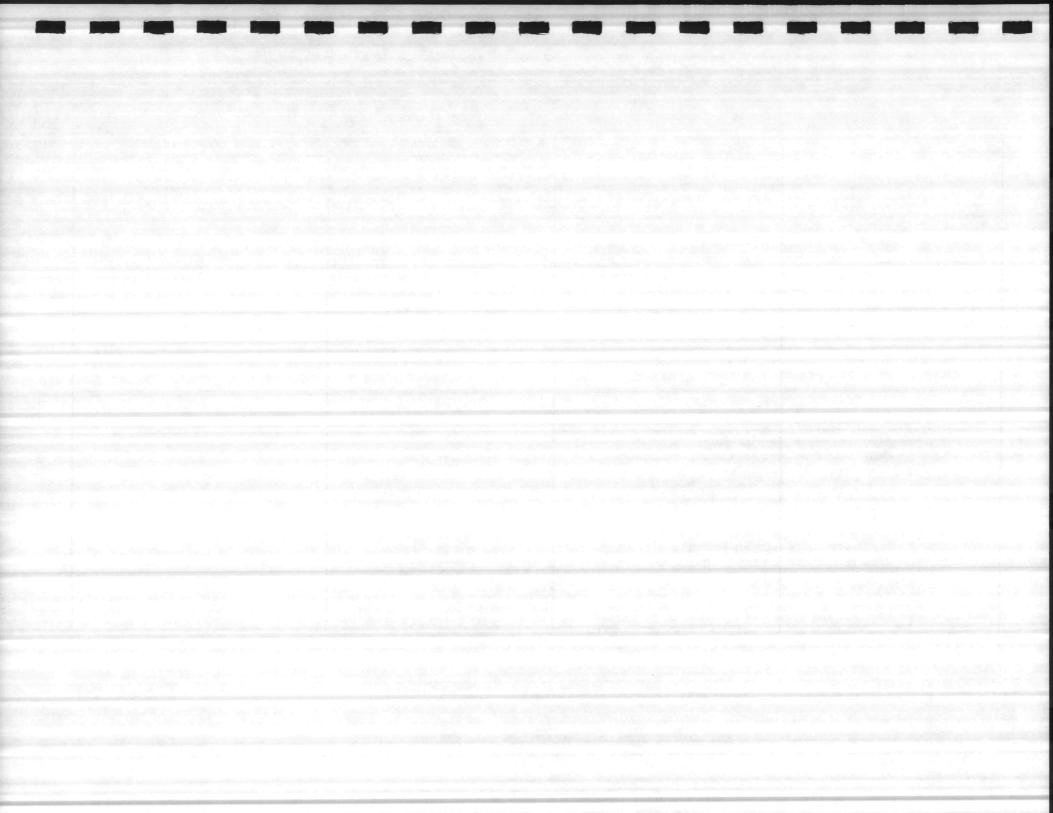
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total. Maintenance. Weather. Budget. Fire Condition/Weather. Weekends/Holidays. Other.	20 20	0	0
Other Ranges Which Must Be Closed When This Range is in Use	BT-3, Browns Tower		
	Yes AIWW closed		· · · · · · · · · · · · · · · · · · ·
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	Yes Aerial sweep prior to firing Towers manned	· · · · · · · · · · · · · · · · · · ·	

FILE NAME: LP010026 PAGE 5 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

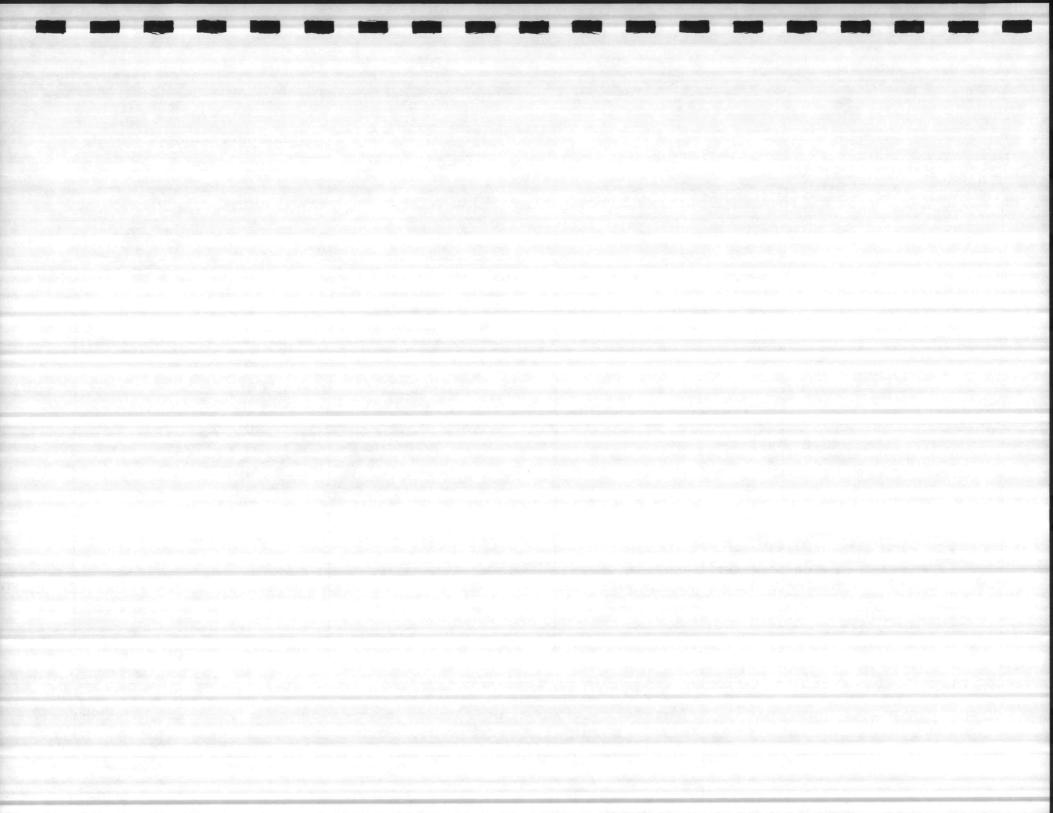


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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Noise Gas/Chemical Pyrotechnics/Flare	X Restriced air space R-5306D		
Time of Day Time of Year Other			



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

RANGE NAME AND LOCATION: G-8 M203 Grenade Launcher Range, MCB, Camp Lejeune, NC M203 Grenade Launcher Range INSTRUCTIONS:

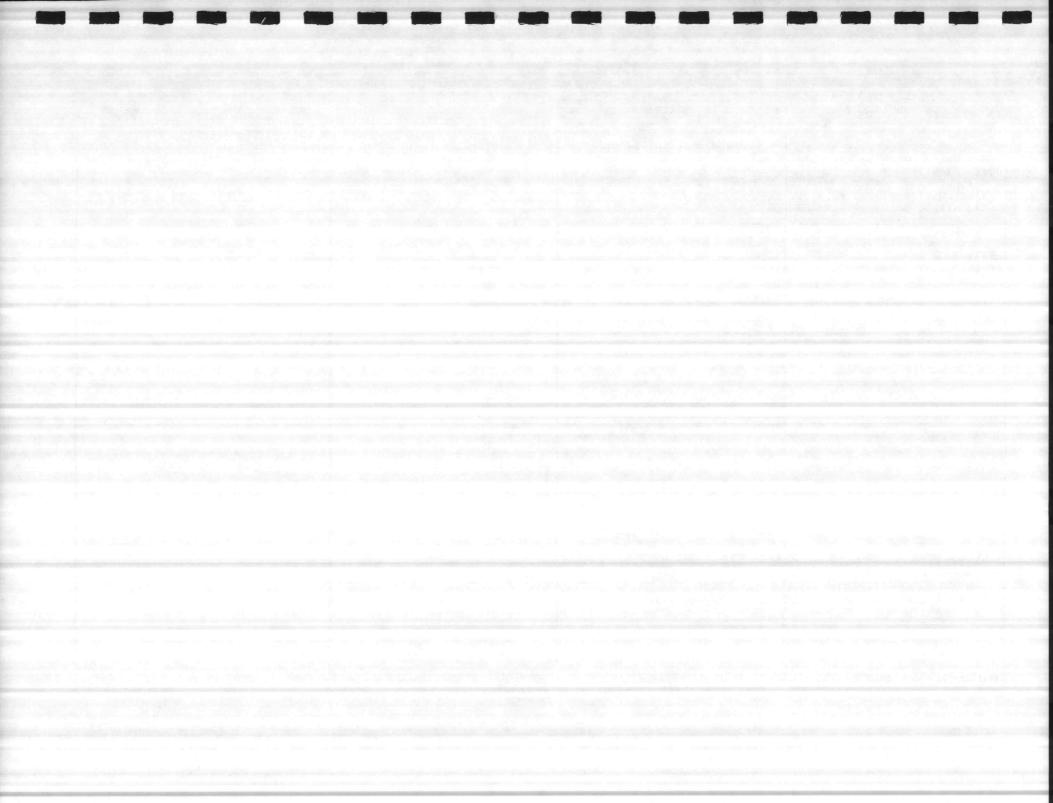
TYPE	RANGE FACILITY:
X	Live-Fire Full Caliber
1	Live-Fire Subcaliber
1.5	Simulator
	Maneuver Area
	Associated Air Space
	Other

-- One form for each range/facility/simulator

-- Fill in data elements as appropriate

-- Use right column for new or improved ranges needed

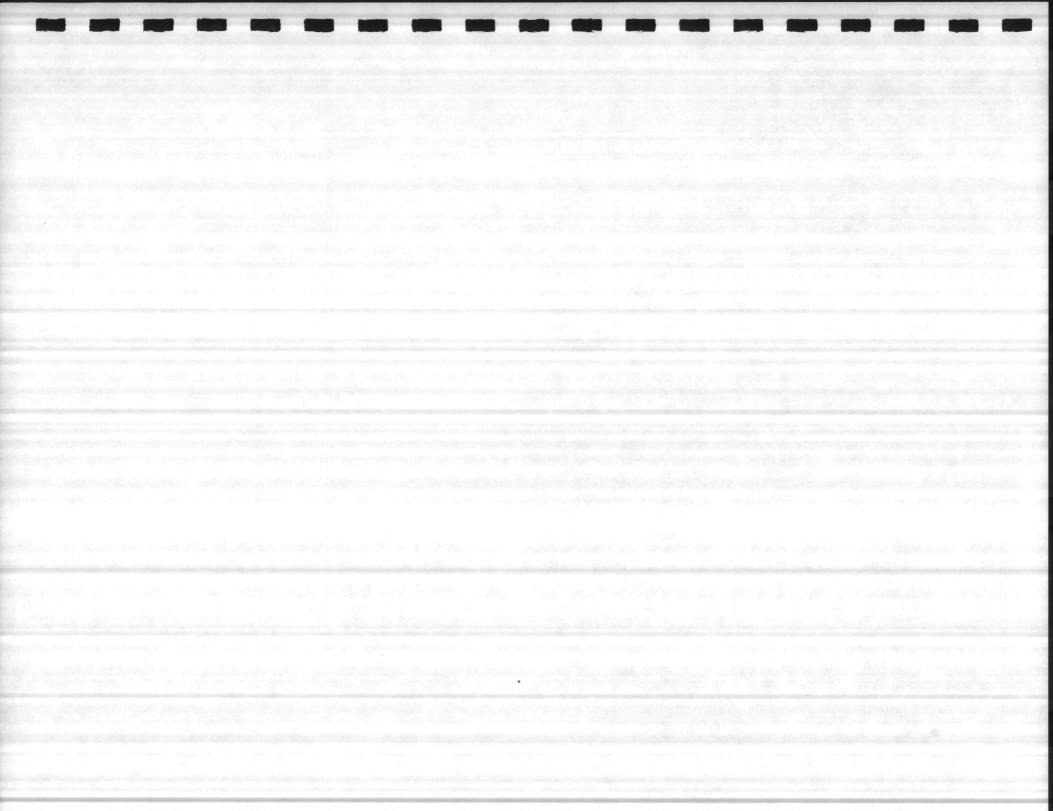
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OF KNOWN CHANGES (INCLUDE YEAR)	(SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km) Primary Direction of Fire Associated Air Space	1.65 X 1.1 2914 MILS/164 degrees To 17,999 ft; 399 sq km		
Coordinates	TP901373 		
 Safety Buffer Rear (km) Sides (km) Altitude (ft)			•
Stations	20		
Range FacilitiesControl TowerCommunications SystemTarget ShedUtility BuildingAid StationParking AreaViewing Area	X		
	RANGE/FACILITY MANAGER: D.	J. Hashagen, Sr	LFRTS-P-000



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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Cange Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site Other			
Pelemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Carget Types Pop-up Stationary Moving Revolving Other	x		
Are There Associated Simulation Devices? Yes, No, NA	NA		



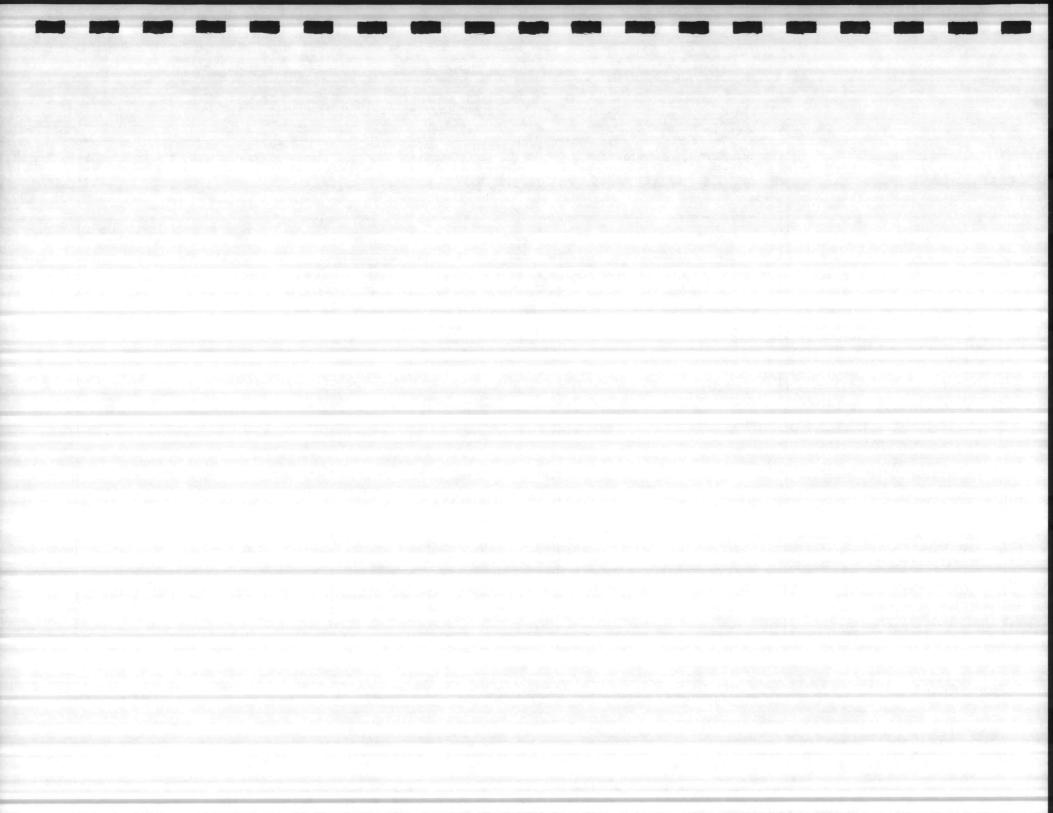
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	M203		
Climate Seasonal			
Tropic Temperate Arctic Desert. All-Weather (Indoor) Other		NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	100	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	100	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010027 PAGE 3 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._

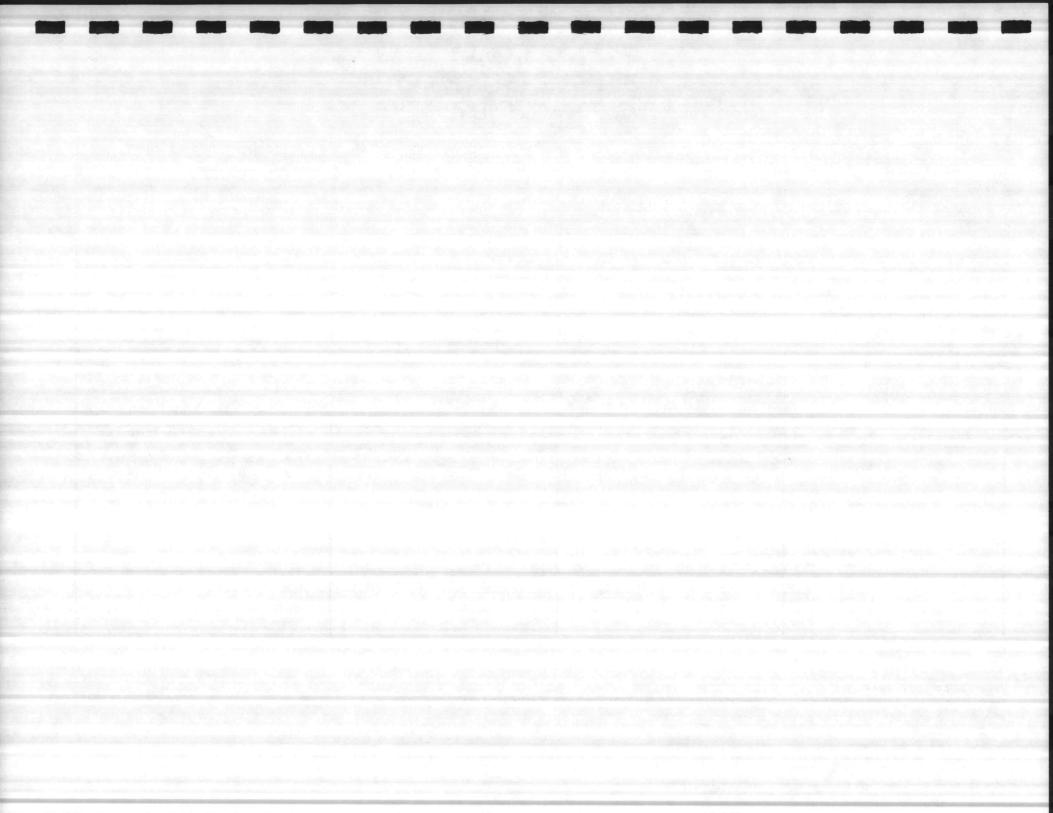
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100	· · · · · · · · · · · · · · · · · · ·	
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	2	······	
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	5	 	
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	300		
Number of Days per Year the Range/Facility is Available	360		
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

FILE NAME: LP010027 PAGE 4 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._

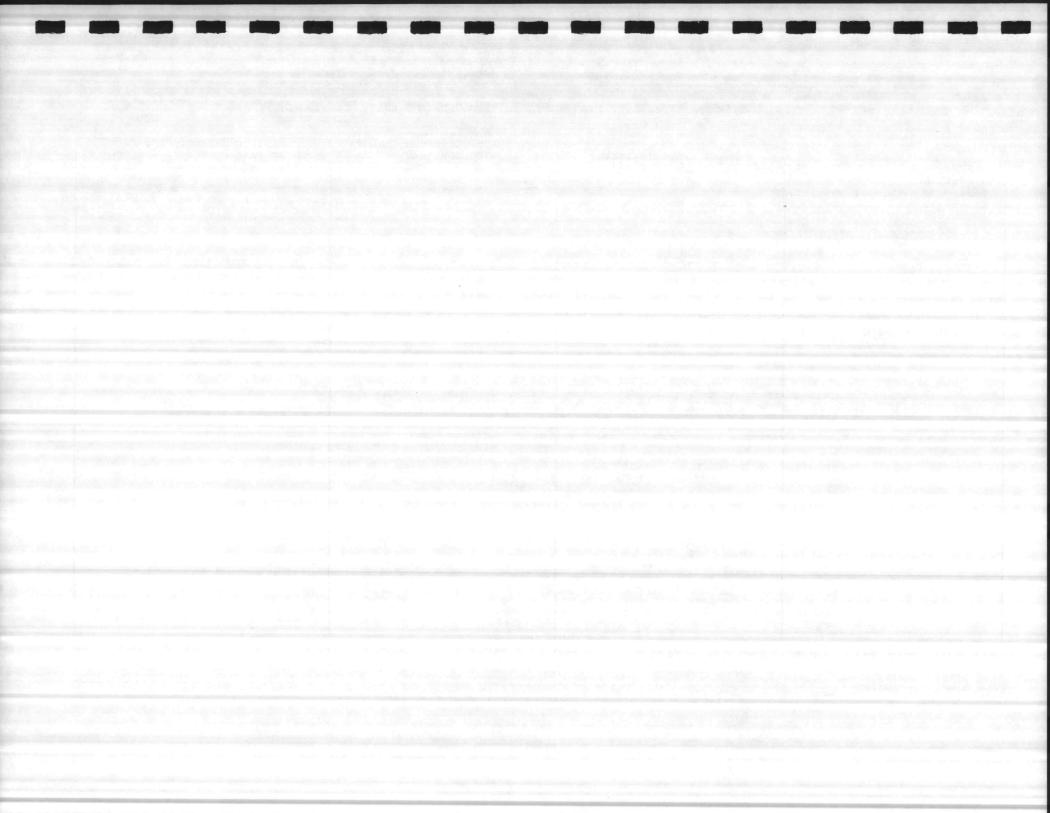


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	5	0	0
Other Ranges Which Must Be Closed When This Range is in Use	NA	· · ·	
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes No downrange movement		
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	NA		

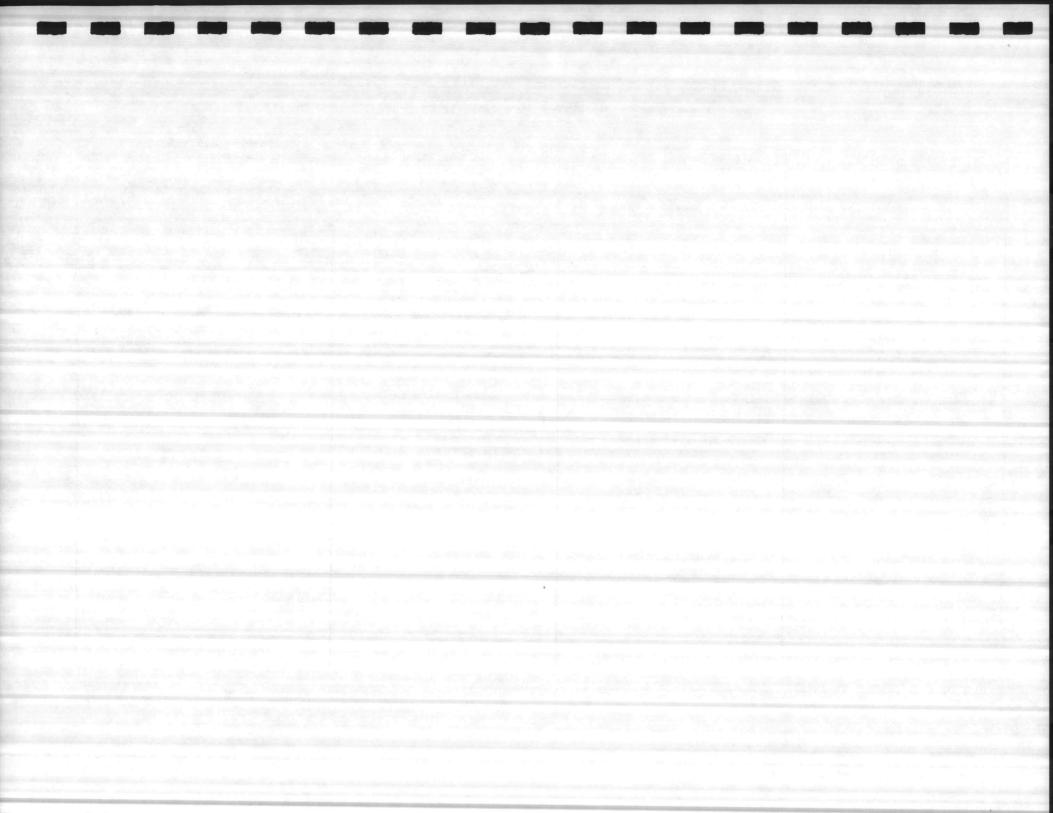
FILE NAME: LP010027 PAGE 5 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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		•
	RANGE/FACILITY MANAGER: D.	RANGE/FACILITY MANAGER: D. J. Hashagen, Sr



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

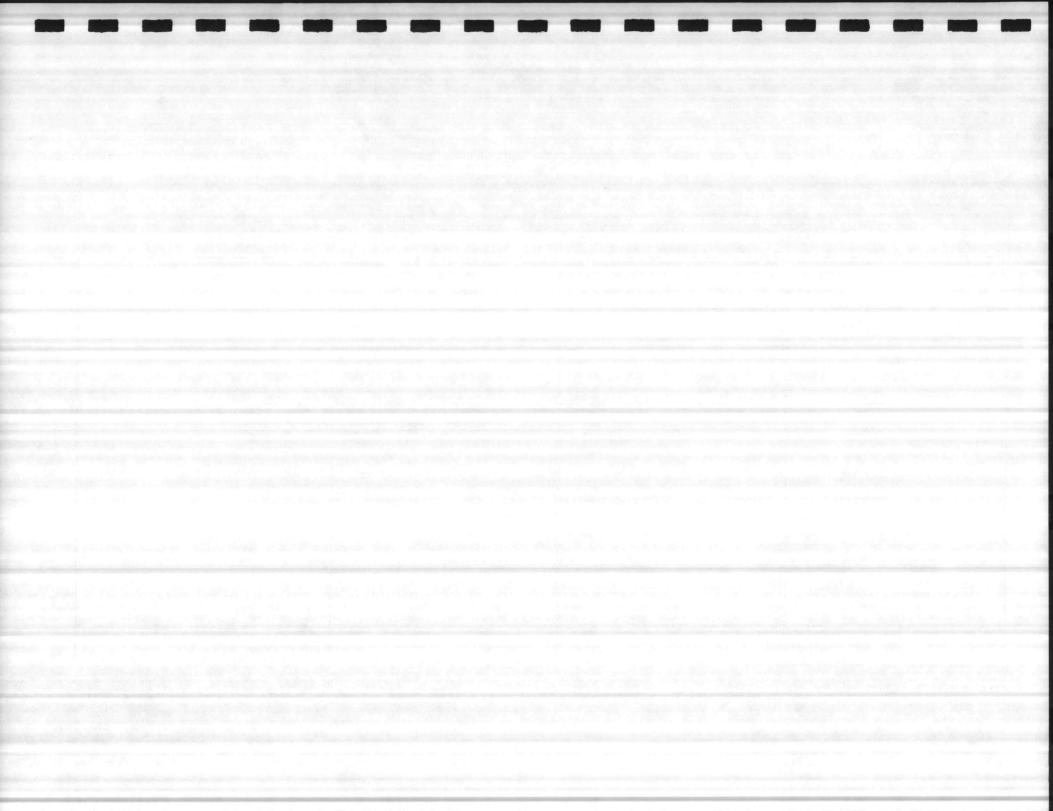
RANGE NAME AND LOCATION: G-9 LAW and SMAW Range, MCB, Camp Lejeune, NC LAW and SMAW Range INSTRUCTIONS: or

 One	form	for	each	range/	facili	ty/	simulato
		-	-		The second second second		

--- Fill in data elements as appropriate --- Use right column for new or improved ranges needed

TYPE	RANGE FACILITY:
X	Live-Fire Full Caliber
	Live-Fire Subcaliber
6 18 J	Simulator
and the second	Maneuver Area
1. 1. 1. 1.	Associated Air Space
1710,20	Other

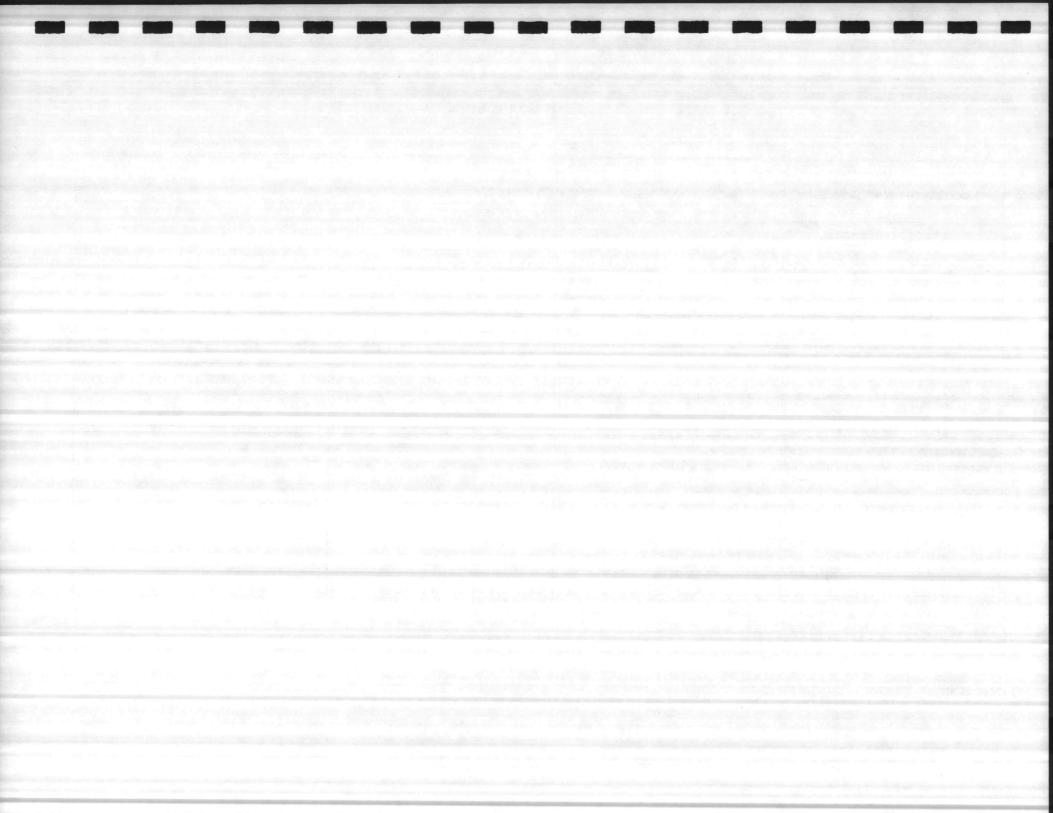
PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS
1.8 X 1.38		
2853 MILS/161 degrees		
To 17,999 ft; 399 sq km	n in the second seco	
TF903374		
60 m to 80 m	• ••••••••••••••••••••••••••••••••••	• • • • • • • • • • • • • • • • • • •
20		
X		· · · · · · · · · · · · · · · · · · ·
	1.8 X 1.38 2853 MILS/161 degrees To 17,999 ft; 399 sq km TP903374 60 m to 80 m 20	PRESENT CHARACTERISTICS (INCLUDE YEAR) 1.8 X 1.38 2853 MILS/161 degrees To 17,999 ft; 399 sq km TP903374 60 m to 80 m



PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
NA		
x		
NA		
	x	PRESENT CHARACTERISTICS (INCLUDE YEAR) NA

PAGE 2 OF 6

DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Weapon Types Used on the Range	SMAW, M72 LAW, M73 LAW		
Climate Seasonal Tropic Temperate Arctic Desert All-Weather (Indoor) Other		NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	100 	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	100 	NOT APPLICABLE	NOT APPLICABLE

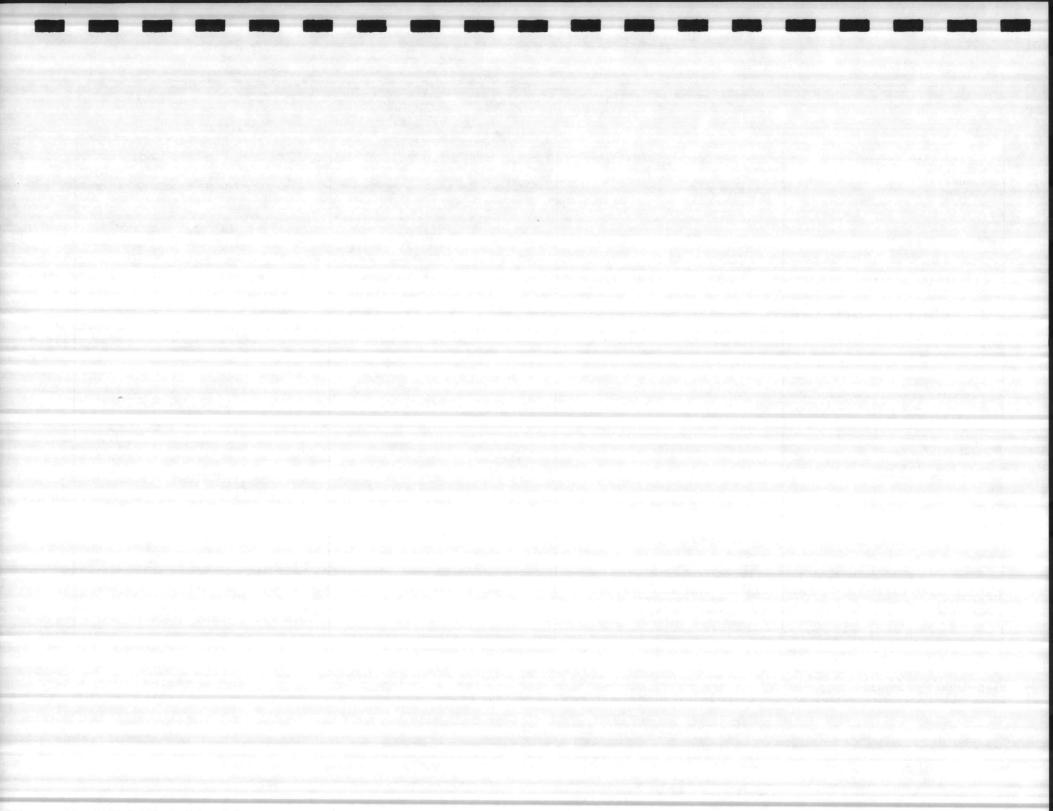
FILE NAME: LP010028 PAGE 3 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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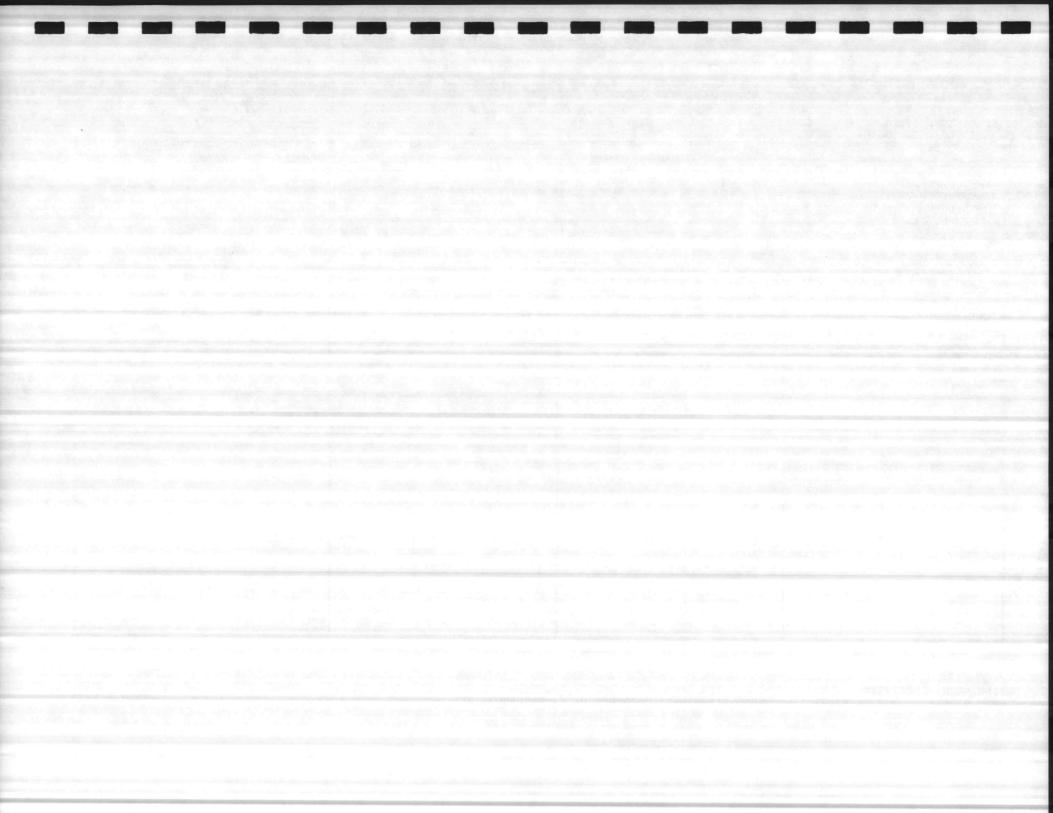
LATAR RANGE/FACILITY	INVENTORY D	DATA FORM	(LFRTS-P-0001)	(CONTINUED)
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	5		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	300		
Number of Days per Year the Range/Facility is Available	360		
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

FILE NAME: LP010028 PAGE 4 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total. Maintenance. Weather. Budget. Fire Condition/Weather. Weekends/Holidays. Other.	5	0	0
Other Ranges Which Must Be Closed When This Range is in Use	NA		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	 NA		
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	NA		

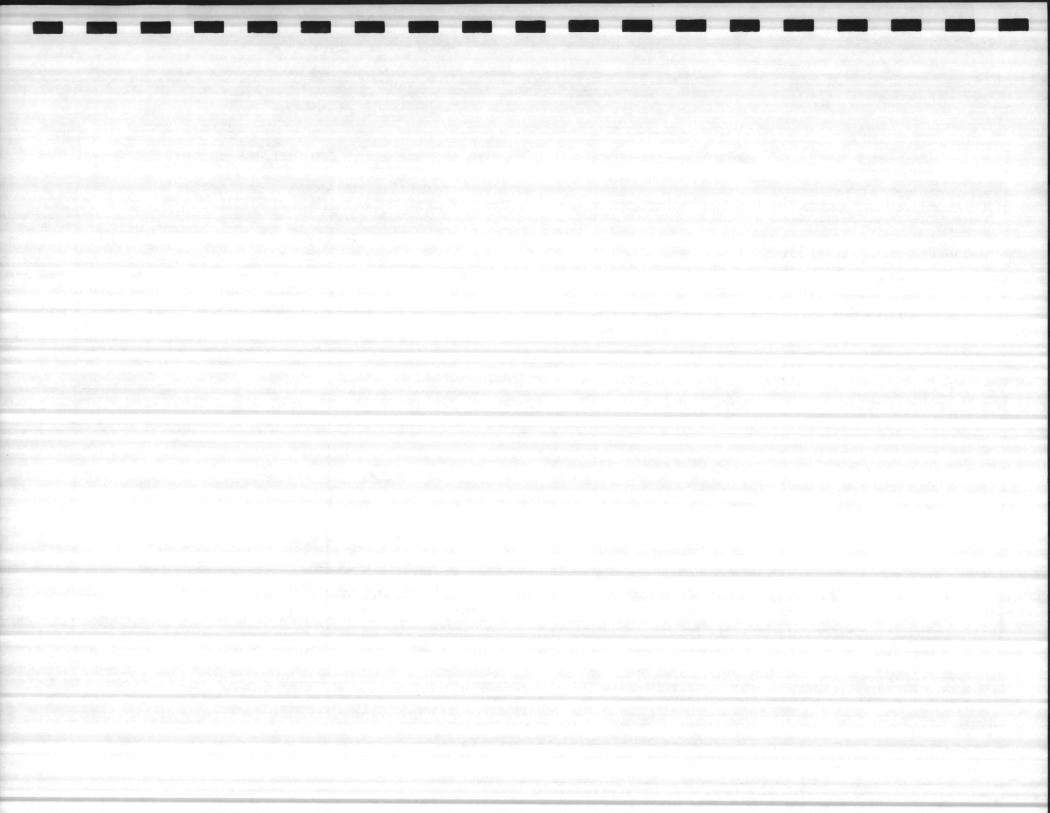
FILE NAME: LP010028 PAGE 5 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.____

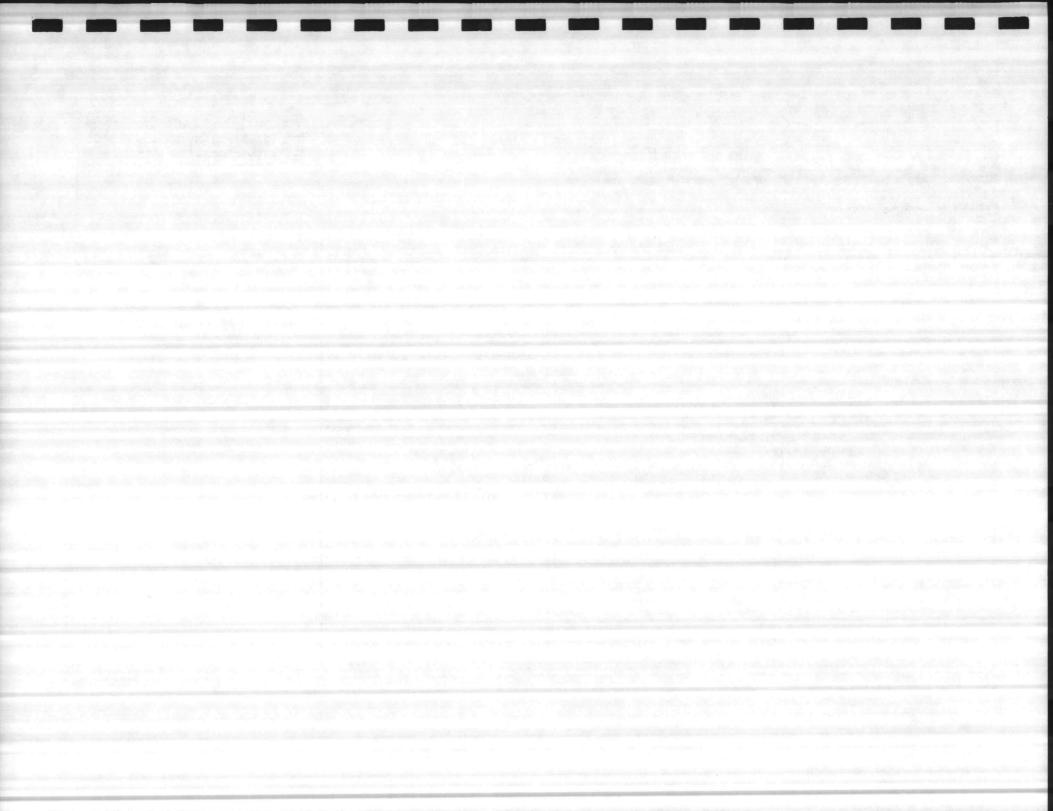
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Restrictions on Range Use Environmental AICUZ	NA	a sa sa san taga taga taga sa	
FAA Noise Gas/Chemical			
Pyrotechnics/Flare Time of Day Time of Year Other			
ILE NAME: LP010028			



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

RANGE NAME AND LOCATION: G-10 Bombing and Target Range, MCB, Camp Lejeune, NC Bombing and Target Range INSTRUCTIONS:

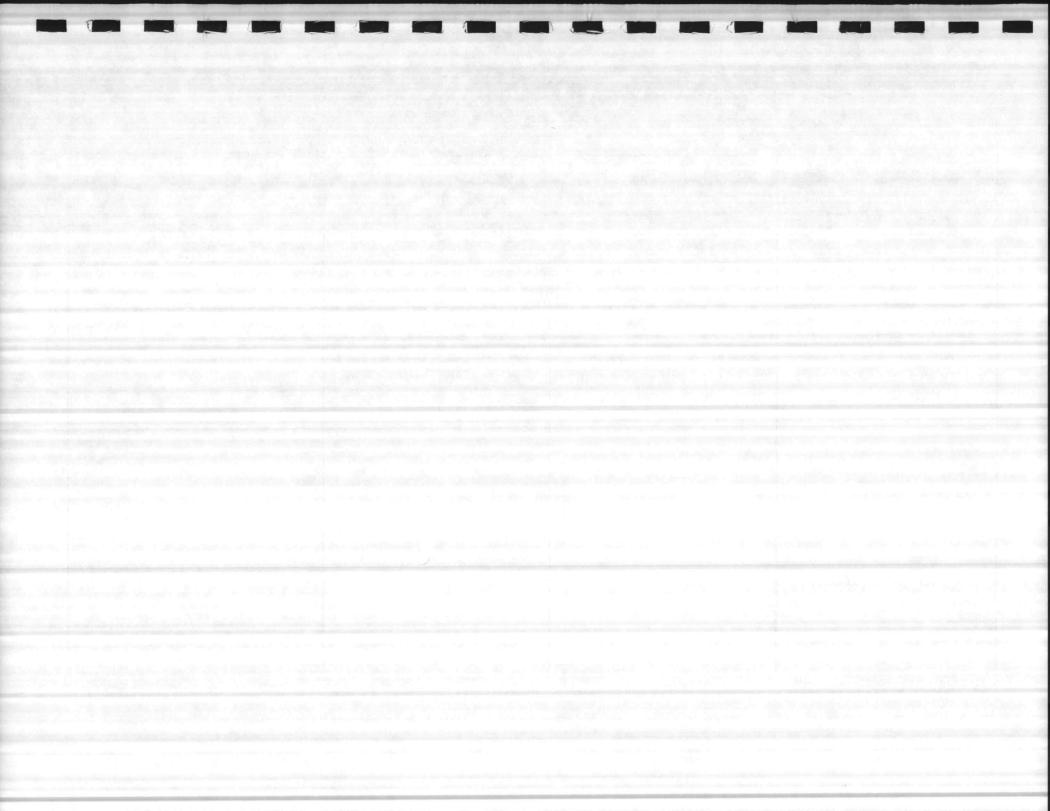
-- One form for each range/facility/simulator

-- Fill in data elements as appropriate

-- Use right column for new or improved ranges needed

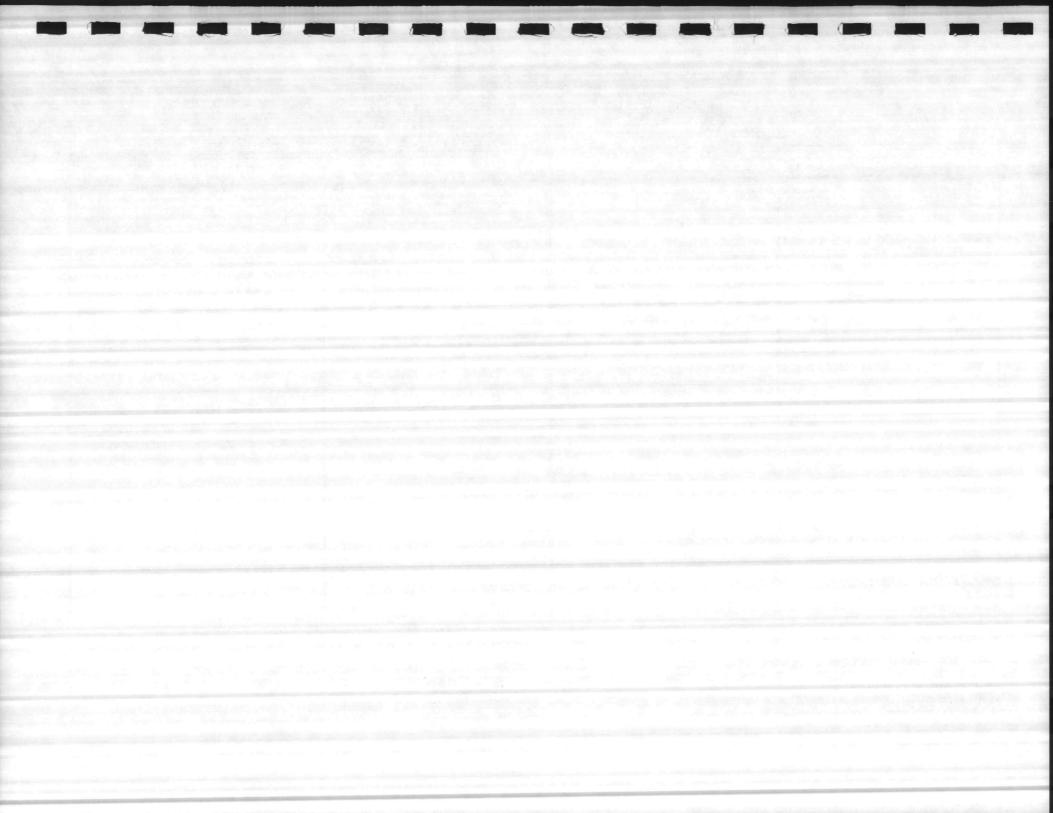
TY PE	RANGE FACILITY:
X	Live-Fire Full Caliber
14.46	Live-Fire Subcaliber
1912 111	Simulator
1000	Maneuver Area
	Associated Air Space
	Other

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Primary Direction of Fire	4 X 1.9 impact 2 X 21 secondary impact NA To 17,999 ft; 399 sq km	Range expansion on hold pending submission of preliminary environmental assessment (PEA)	
	 TP8936 to TP9535 to TP9433 to TP9032 		
Safety Buffer Rear (km) Sides (km) Altitude (ft)	 50 m to 150 m 		•
Number of Firing Points/ Stations	 NA 		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area			
TLE NAME: LP010029 AGE 1 OF 6 DATE: 03/05/87	RANGE/FACILITY MANAGER: D.	J. Hashagen, Sr.	LFRTS-P-000



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
tange Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site Other			
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	X Dive Angle: FWA - 20 degrees or greater RWA - 20 degrees or greater		
Farget Types Pop-up Stationary Moving Revolving Other	x		
Are There Associated Simulation Devices? Yes, No, NA	NA .		

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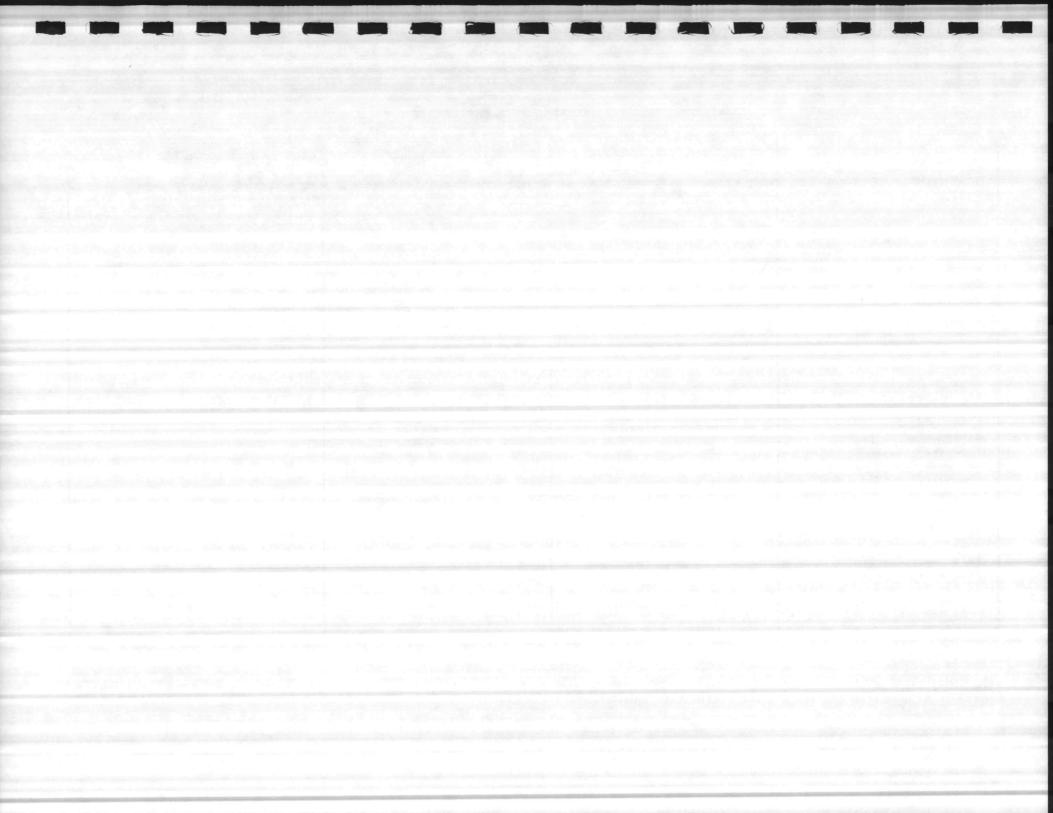


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	TOW, Dragon, indirect fire, CAS (250 lbs TNT equivalent)		
Climate Seasonal. Tropic. Temperate. Arctic. Desert. All-Weather (Indoor). Other.		NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water		NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	the second second second second	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010029 PAGE 3 OF 6 DATE: 03,

DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy			
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	7 2000 m 7	 	
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	Unlimited; mortars		
Number of Days per Year the Range/Facility is Available	365		
Is Range/Facility Capable of Nighttime Use? Yes, No	Yes		

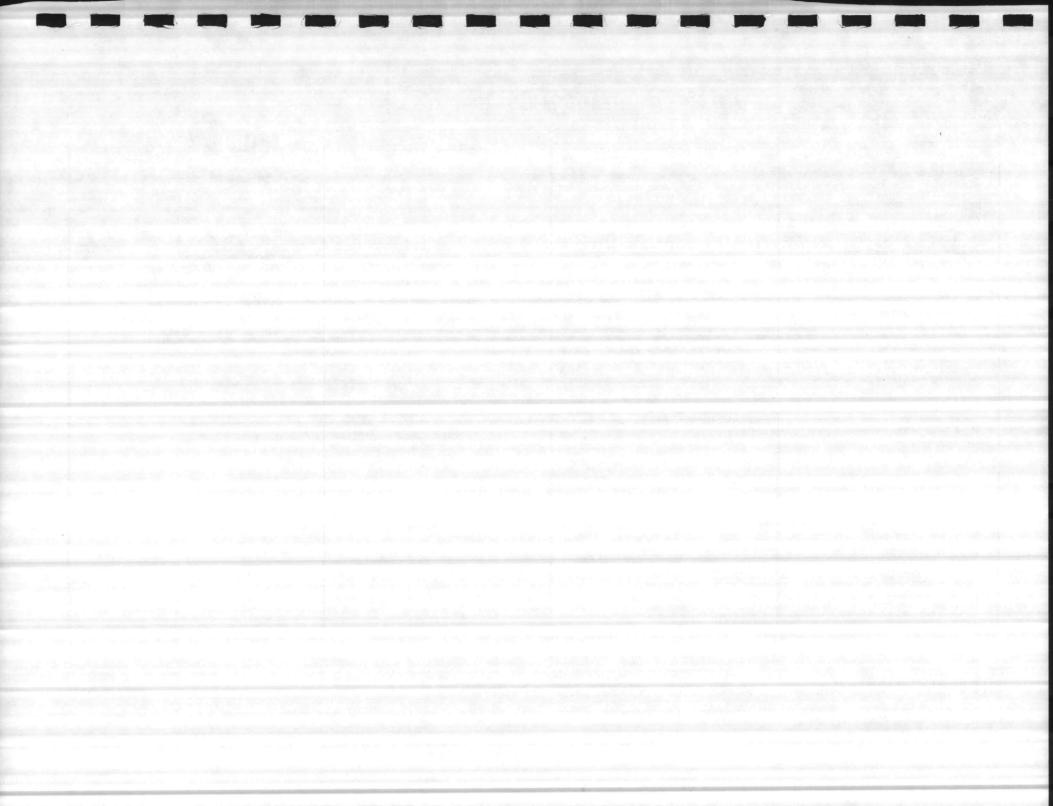
FILE NAME: LP010029

PAGE 4 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._

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Undefined 0	0	0
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NA		· · ·
NA		
- N	NA NA	NA NA NA

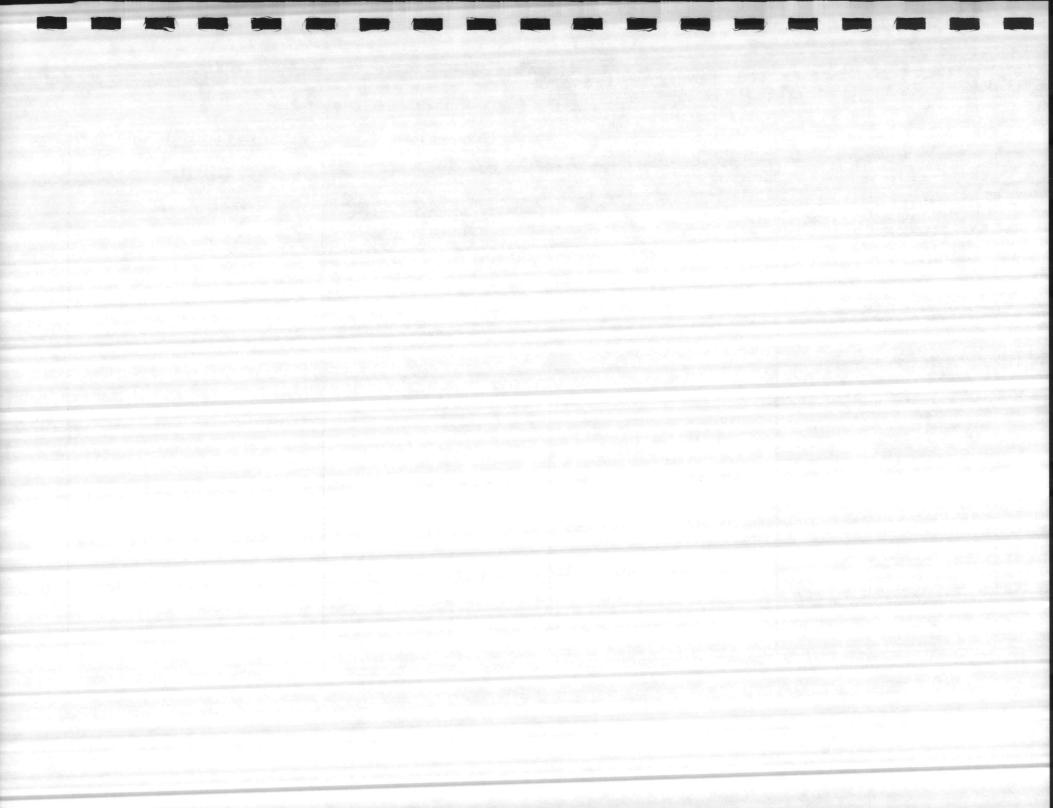
FILE NAME: LP010029 PAGE 5 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

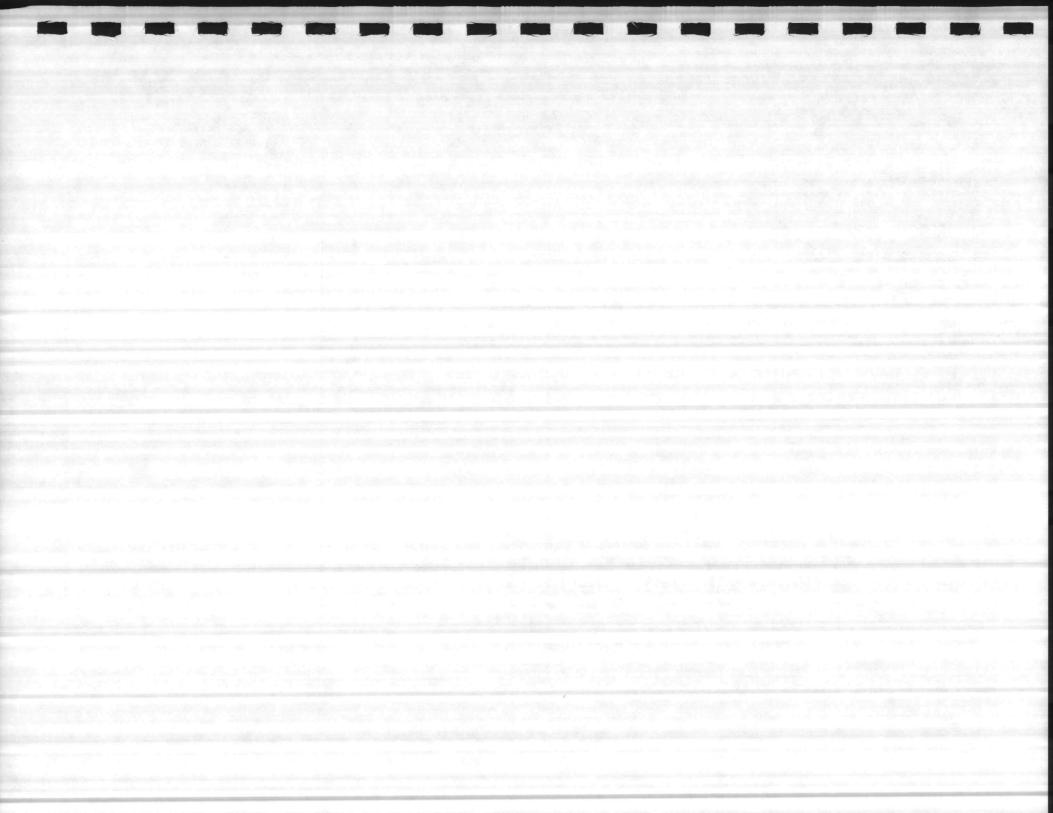
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
estrictions on Range Use Environmental	X Restricted air space R-5306D		



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

RANGE NAME AND LOCATION: G-10A EOD Disposal Site, MCB, Camp Lejeune, NC EOD Disposal Sight INSTRUCTIONS:

-- One form for each range/facility/simulator

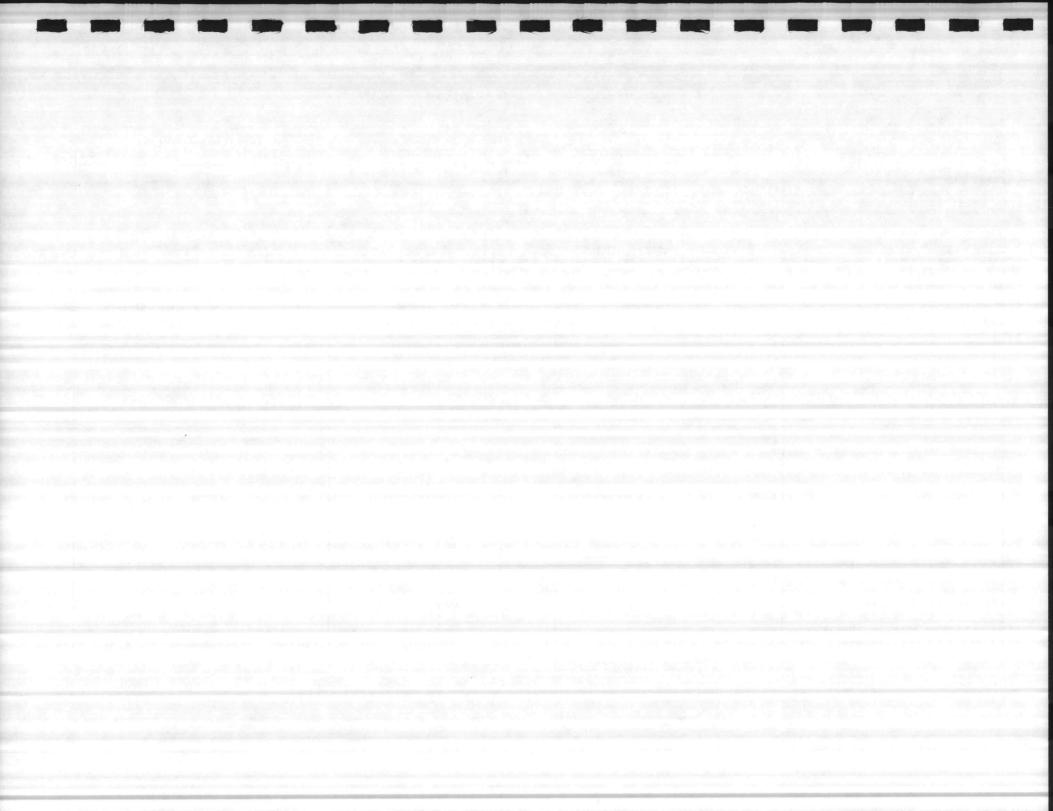
-- Fill in data elements as appropriate

-- Use right column for new or improved ranges needed

TY PE	RANGE FACILITY:
X	Live-Fire Full Caliber
	Live-Fire Subcaliber
	Simulator
	Maneuver Area
177.723	Associated Air Space
	Other

PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
 1 X .98 NA To 17,999 ft; 399 sq km		
TP9135		
NA	-	•
 NA 		
 x		
	1 X .98 NA To 17,999 ft; 399 sq km TP9135 NA	PRESENT CHARACTERISTICS (INCLUDE YEAR) 1 X .98 NA NA To 17,999 ft; 399 sq km TP9135

din's.



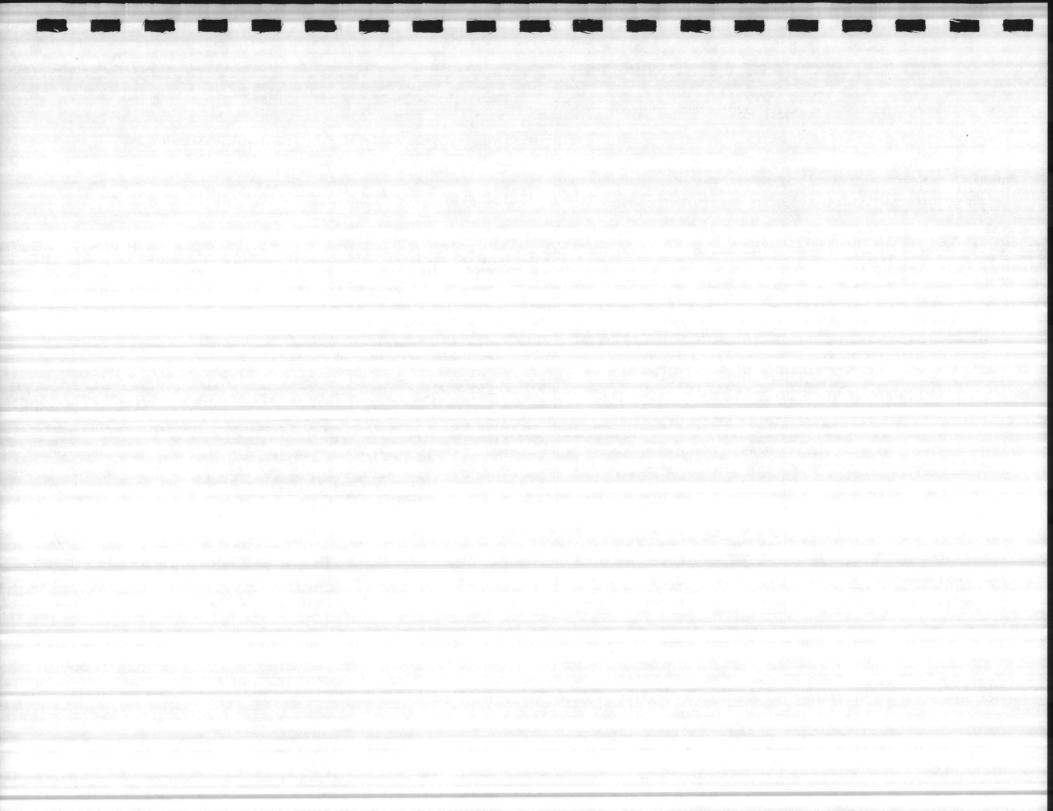
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued)Demonstration AreaHead FacilityAmmunition BunkerWater SystemElectrical SystemClassroomBivouac SiteOther		•	
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Farget Types Pop-up Stationary Moving Revolving Other	NA 		· · · · · · · · · · · · · · · · · · ·
Are There Associated Simulation Devices? Yes, No, NA	NA		

PAGE 2 OF 6

DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	EOD operations		
Climate Seasonal. Tropic. Temperate. Arctic. Desert. All-Weather (Indoor)		NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	100	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	100	NOT APPLICABLE	NOT APPLICABLE

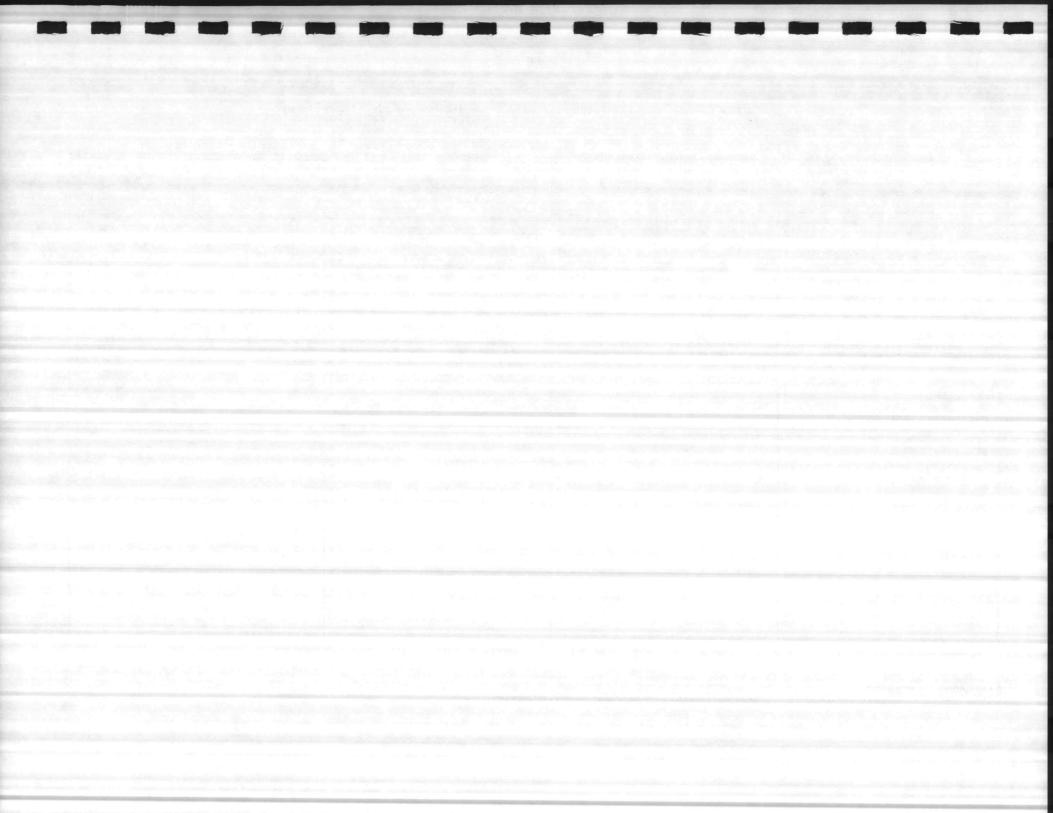
FILE NAME: LP010030 PAGE 3 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.____

LFRTS-P-0001

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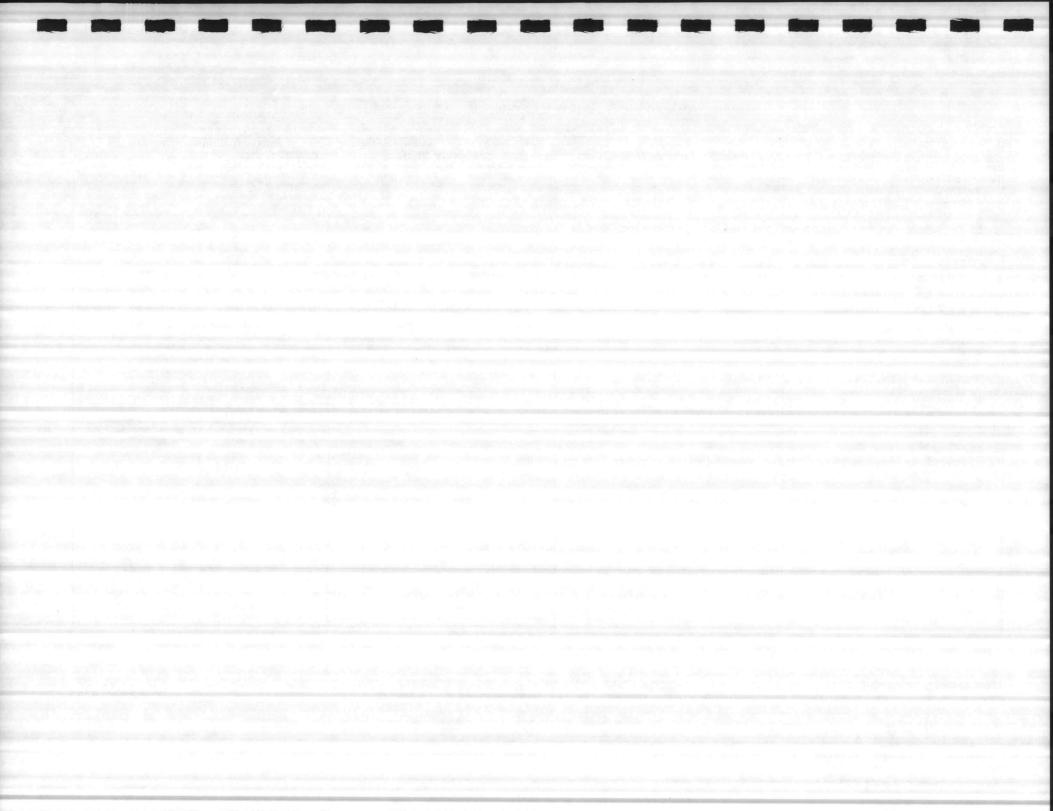
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100	·····	
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	2000 m		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	NA		
Number of Days per Year the Range/Facility is Available	365		
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

FILE NAME: LP010030 PAGE 4 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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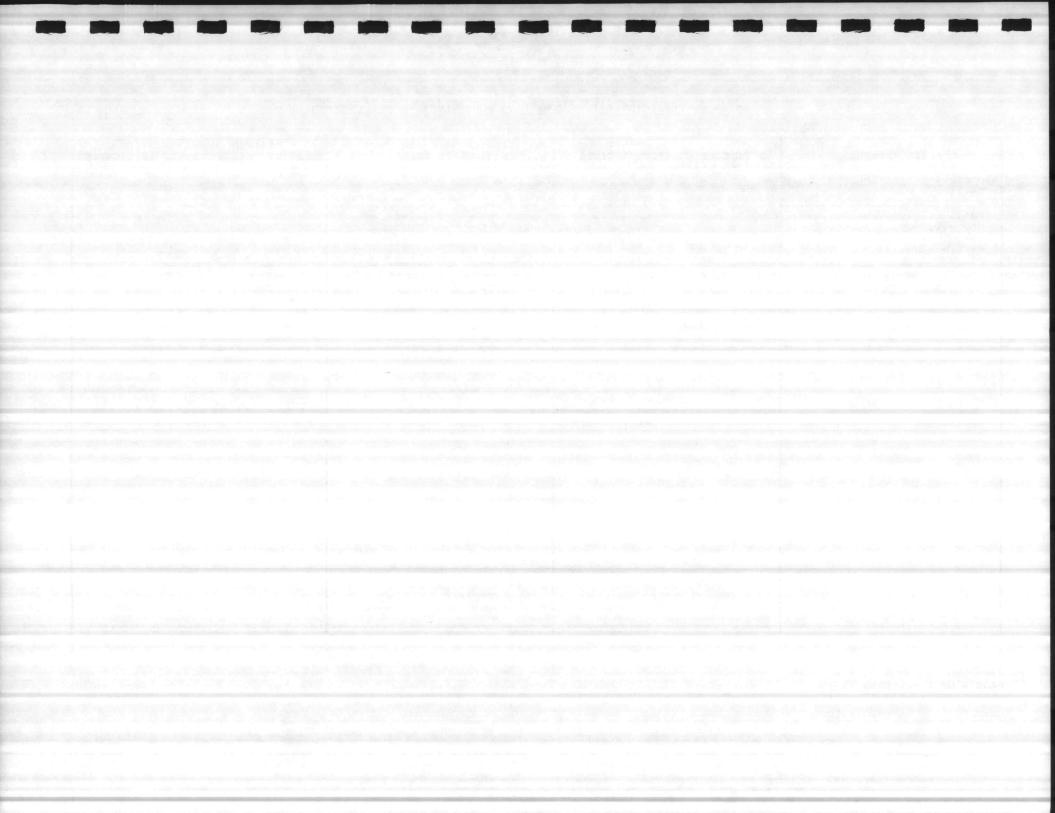
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total. Maintenance. Weather. Budget. Fire Condition/Weather. Weekends/Holidays. Other.	·····	0	0
Other Ranges Which Must Be Closed When This Range is in Use	NA		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes Warning siren sounded for 10 seconds 1 minute before detonation		
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	Yes Warning siren sounded for 10 seconds 1 minute before detonation		

FILE NAME: LP010030 PAGE 5 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

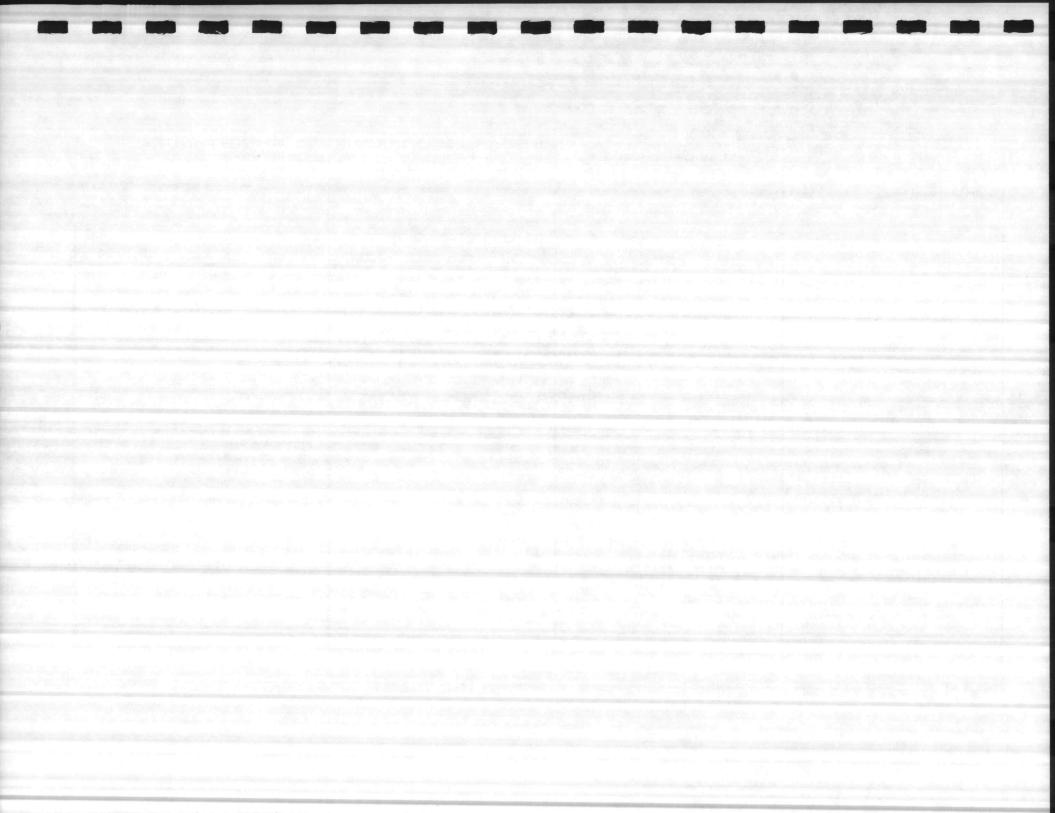
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
strictions on Range Use Environmental AICUZ	NA		
FAA			uning and a second s
Gas/Chemical Pyrotechnics/Flare Time of Day			
Time of Year Other			
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			and a second
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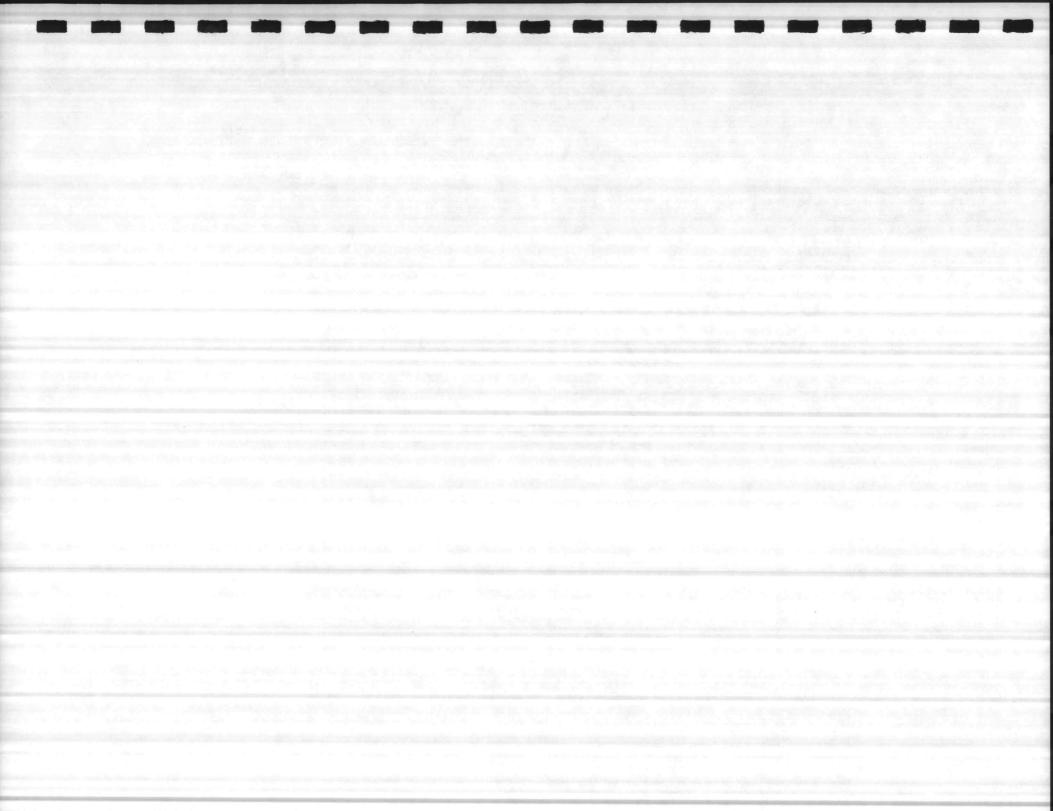


SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

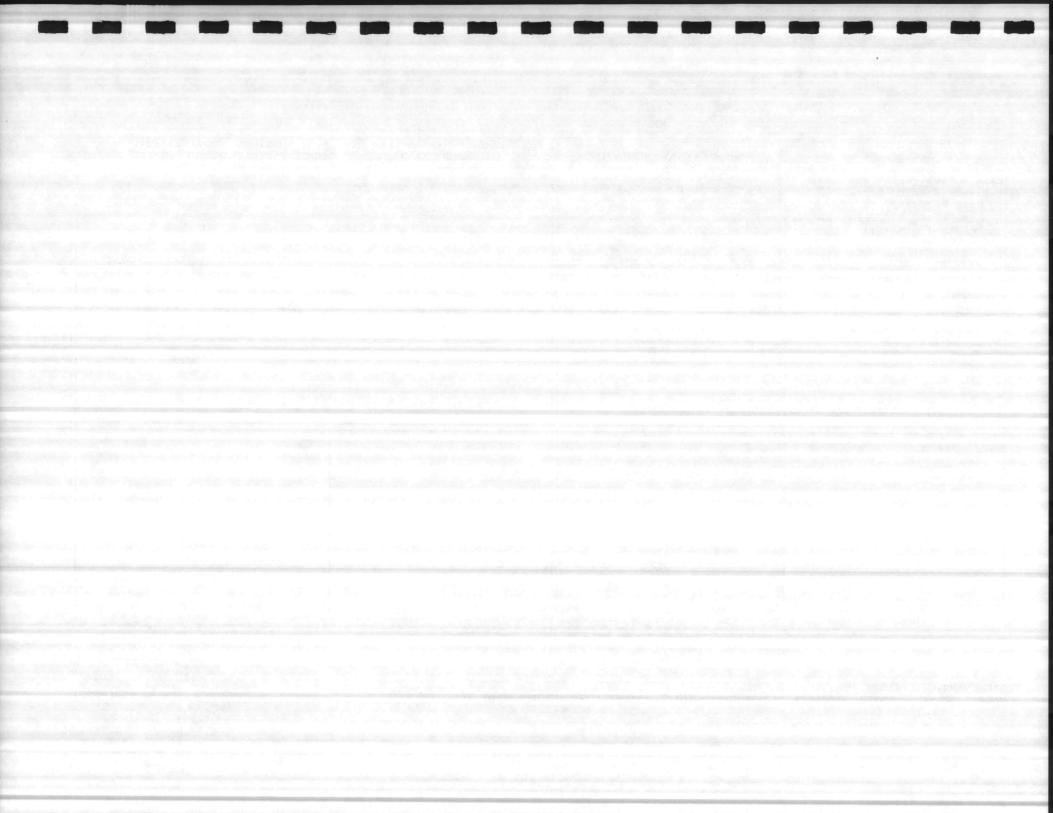
RANGE NAME AND LOCATION: I-1 Pistol and Shotgun Range, MCB, Camp Lejeune, NC Pistol and Shotgun Range INSTRUCTIONS: -- One form for each range/facility/simulator -- Fill in data elements as appropriate -- Use right column for new or improved ranges needed

TY PE	RANGE FACILITY:
x	Live-Fire Full Caliber
	Live-Fire Subcaliber
201000	Simulator
- 10 m m m	Maneuver Area
	Associated Air Space
1.	Other

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS
Range Shape and Dimensions Dimensions (km)	2.7 X 1.25	-	
Primary Direction of Fire	1983 MILS/112 degrees		
Associated Air Space	To 17,999 ft: 399 sq km		
Coordinates	TP842276		
		· · · · · · · · · · · · · · · · · · ·	
Gafety Buffer Rear (km) Sides (km) Altitude (ft)	NA		 ,
	16		
Range Facilities Control Tower Communications System Target Shed. Utility Building Aid Station Parking Area Viewing Area.	X X		



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Range Facilities (continued)Demonstration AreaHead FacilityAmmunition BunkerWater SystemElectrical SystemClassroomBivouac SiteOther	X		
Celemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Target Types Pop-up Stationary Moving Revolving Other	x		· · · · · · · · · · · · · · · · · · ·
Are There Associated Simulation Devices? Yes, No, NA	NA		

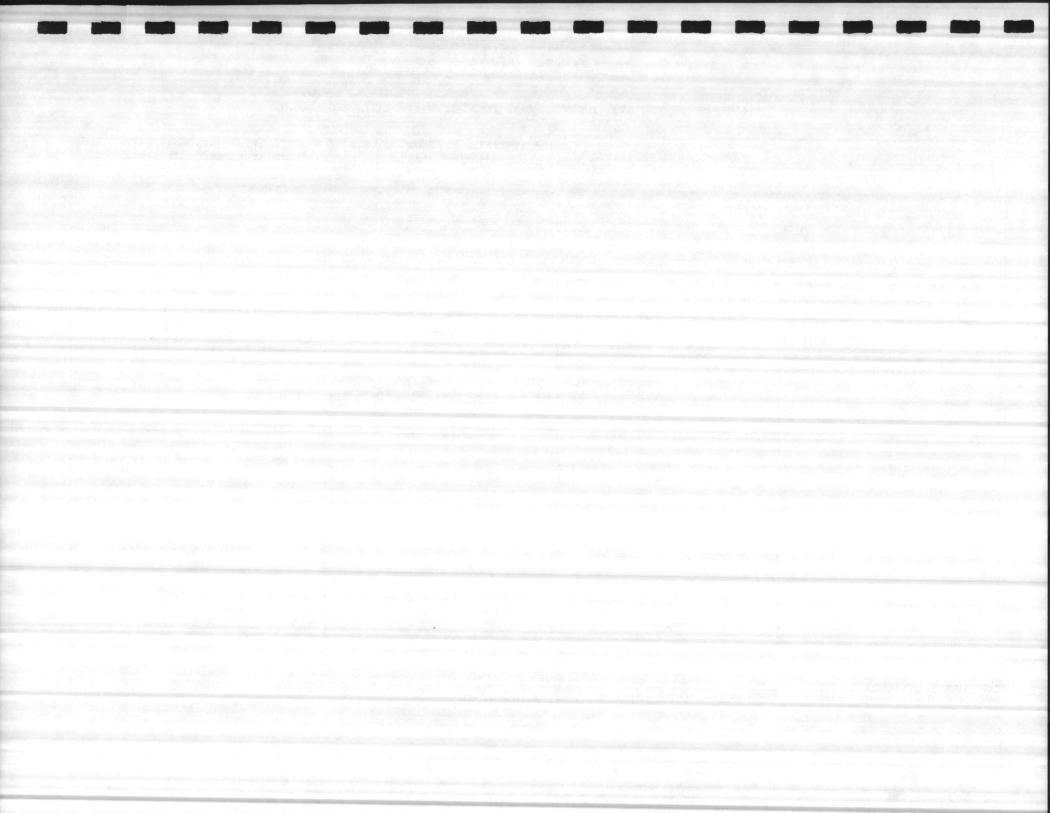


PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
.22-cal, .38-cal, .45-cal, 9-mm, shotgun, M16		
x	NOT APPLICABLE	NOT APPLICABLE
100	NOT APPLICABLE	NOT APPLICABLE
90 10	NOT APPLICABLE	NOT APPLICABLE
	22-cal, .38-cal, .45-cal, 9-mm, shotgun, M16 x	PRESENT CHARACTERISTICS (INCLUDE YEAR) .22-cal, .38-cal, .45-cal,

FILE NAME: LP010031 PAGE 3 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.__

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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1 		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	13		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	130		
Number of Days per Year the Range/Facility is Available	350		
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

FILE NAME: LP010031 PAGE 4 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

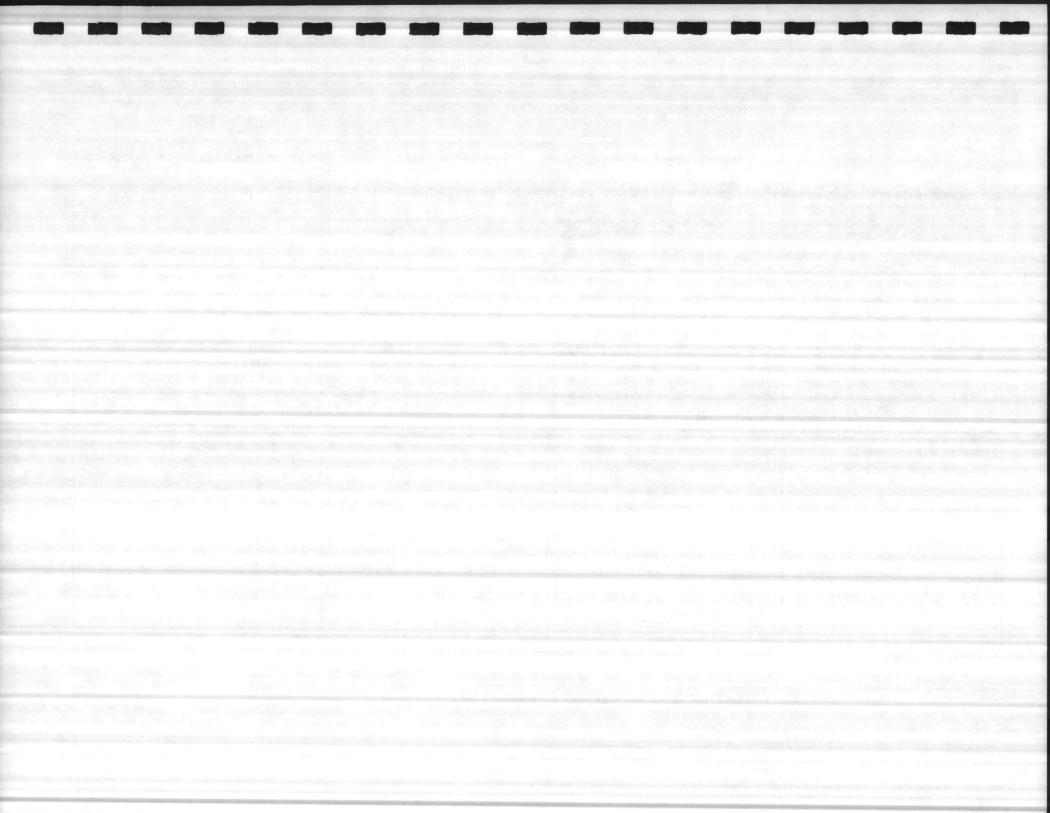
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total. Maintenance. Weather. Budget. Fire Condition/Weather. Weekends/Holidays. Other.	15 15	0	0
Other Ranges Which Must Be Closed When This Range is in Use	NA		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes Water traffic		
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	Yes Range guard to watch water		

FILE NAME: LP010031 PAGE 5 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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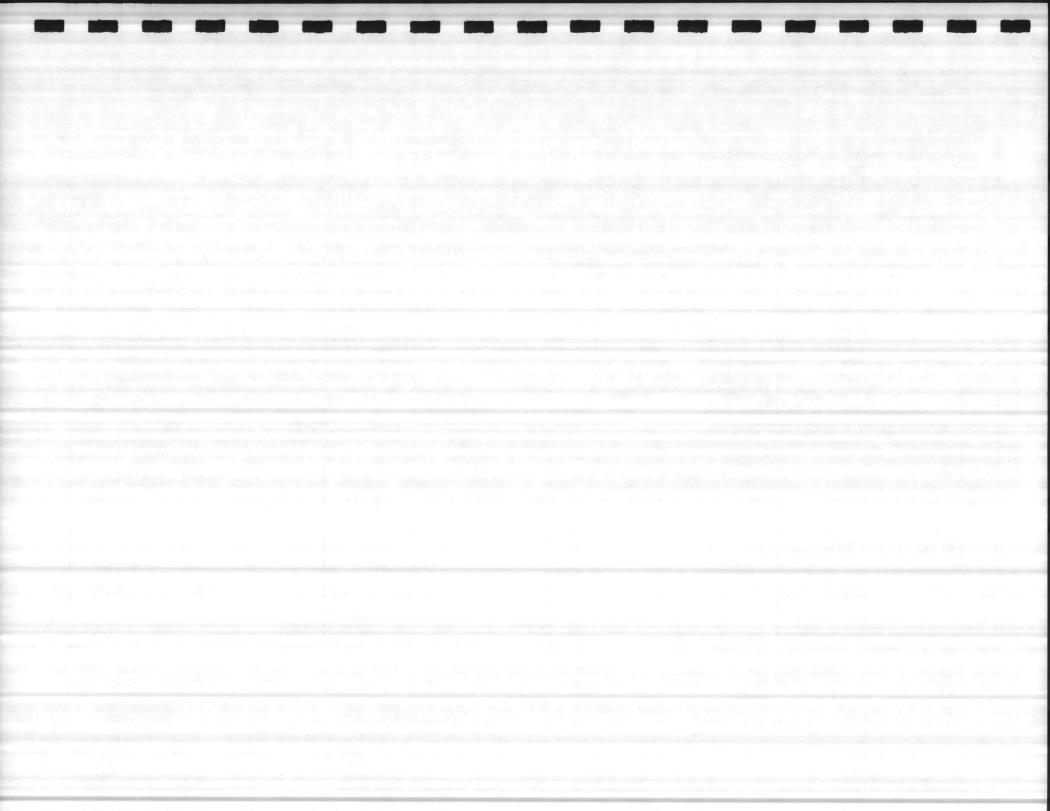
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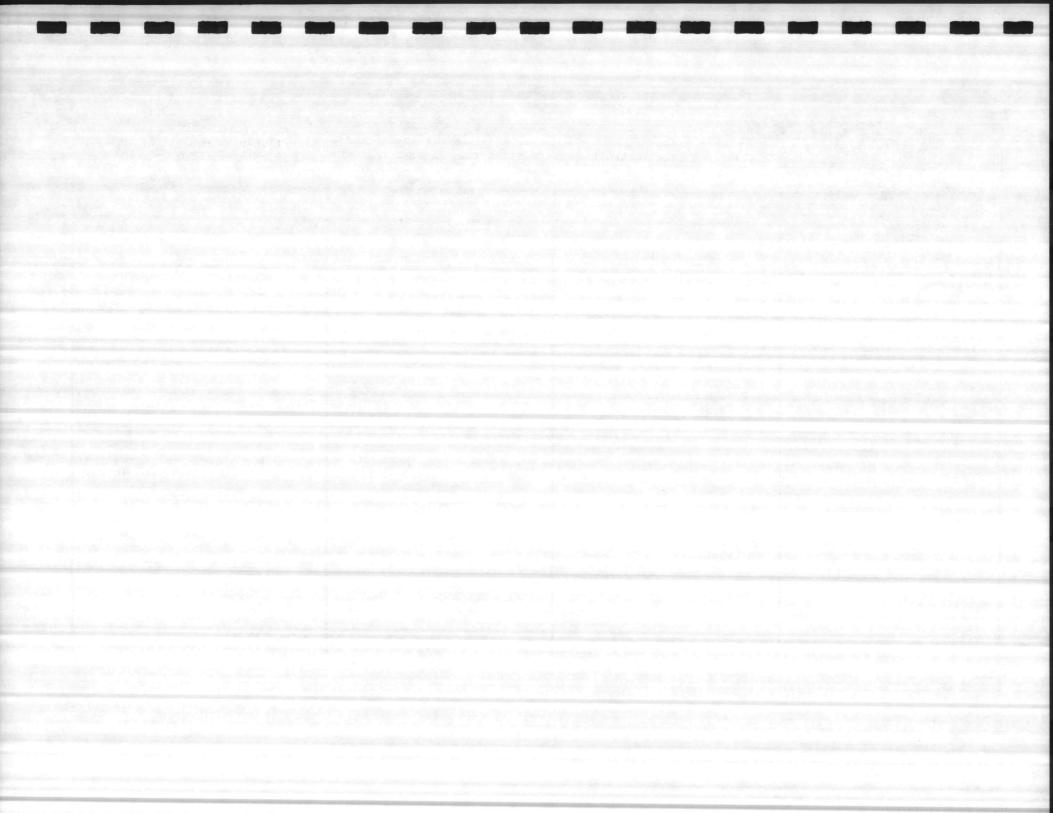
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS . (SPECIFY YEAR NEEDED IF APPLICABLE
AICUZ FAA Noise Gas/Chemical	X Bordering woodpecker habitat		
Pyrotechnics/Flare Time of Day Time of Year Other			



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

RANGE NAME AND LOCATION: I-2 Demolition and Mine Instruction Range, MCB, Camp Lejeune, NC Demolition and Mine Instruction Range INSTRUCTIONS:

-- One form for each range/facility/simulator
 -- Fill in data elements as appropriate
 -- Use right column for new or improved ranges needed

TYPE	RANGE FACILITY:
X	Live-Fire Full Caliber
1	Live-Fire Subcaliber
	Simulator
- Second	Maneuver Area
	Associated Air Space
	Other

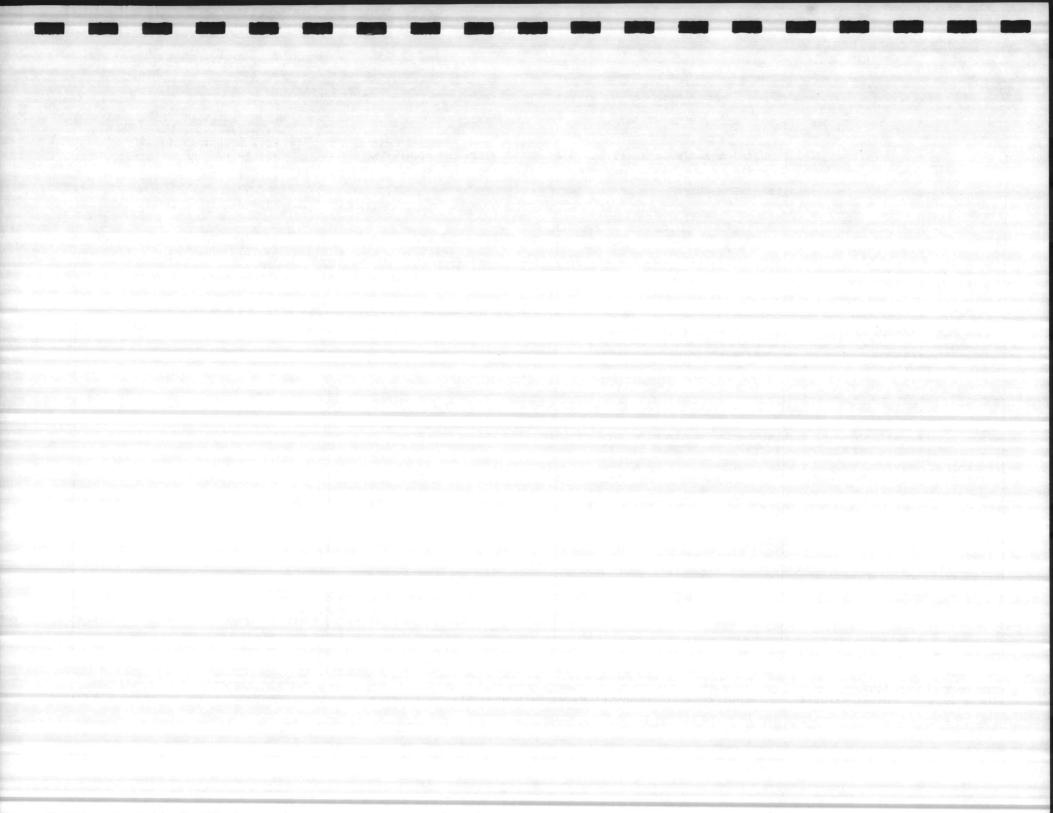
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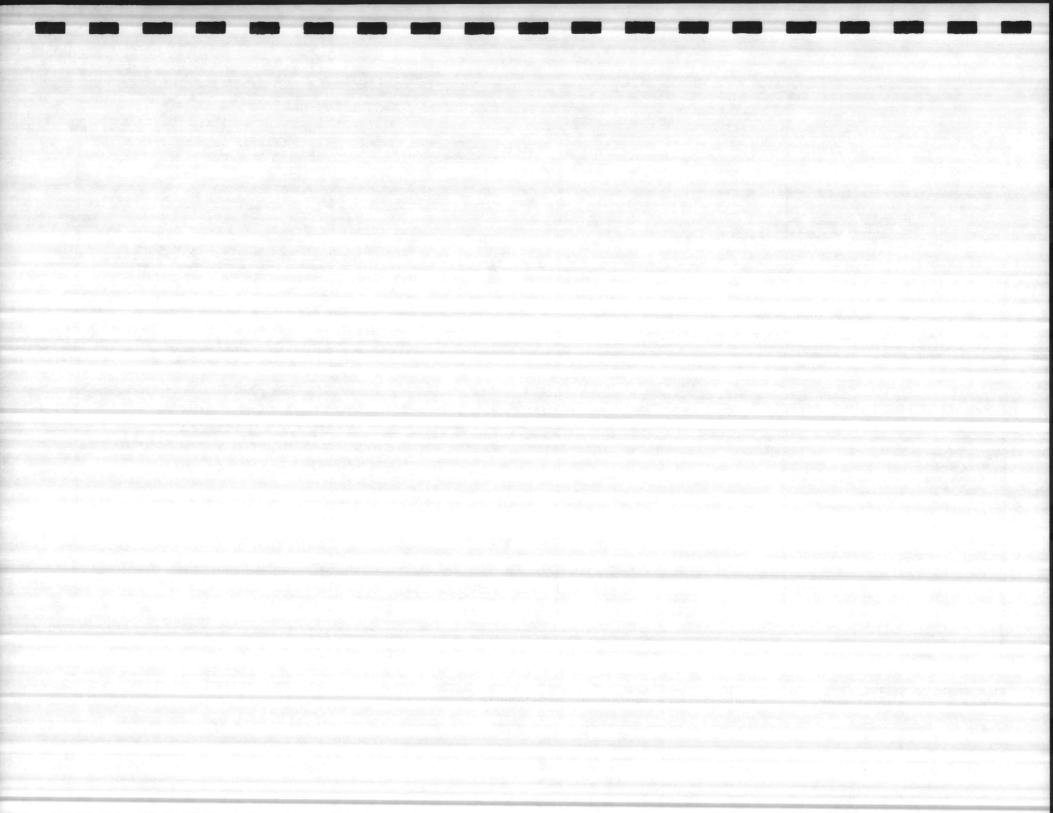
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km)	.5 X .5		
Primary Direction of Fire	Undefined		
Associated Air Space	To 17,999 ft; 399 sq km	이 집에 대한 것을 적용하는 것이 같이 많이 했다.	
Coordinates	TP842279	akaranganan subuna tahun di sebertuk 1975 - 1997 - Salah Kal	
Gafety Buffer Rear (km) Sides (km) Altitude (ft)	NA		
Number of Firing Points/ Stations	 NA 		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area			



LATAR	RANGE/FACILITY	INVENTORY	DATA	FORM	(LFRTS-P-0001)	(CONTINUED)
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Range Facilities (continued)Demonstration AreaHead FacilityAmmunition BunkerWater SystemElectrical SystemClassroomBivouac SiteOther			
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Farget Types Pop-up Stationary Moving Revolving Other	NA		•
Are There Associated Simulation Devices? Yes, No, NA	NA		



PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
demolitions (50 lbs max), M68Al linear rocket, land mines		
x	NOT APPLICABLE	NOT APPLICABLE
10	NOT APPLICABLE	NOT APPLICABLE
65 35	NOT APPLICABLE	NOT APPLICABLE
	demolitions (50 lbs max), M68Al linear rocket, land mines X	PRESENT CHARACTERISTICS (INCLUDE YEAR) demolitions (50 lbs max), M68Al

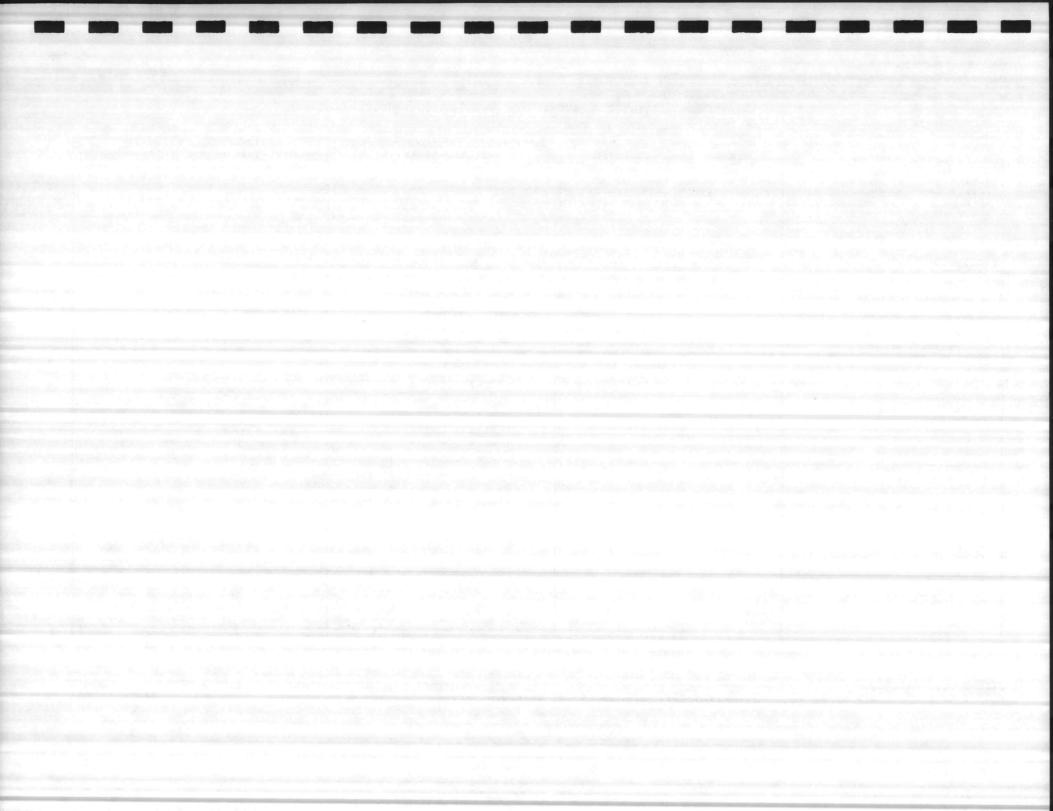
FILE NAME: LP010032 PAGE 3 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	14		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	119		
Number of Days per Year the Range/Facility is Available	365		
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

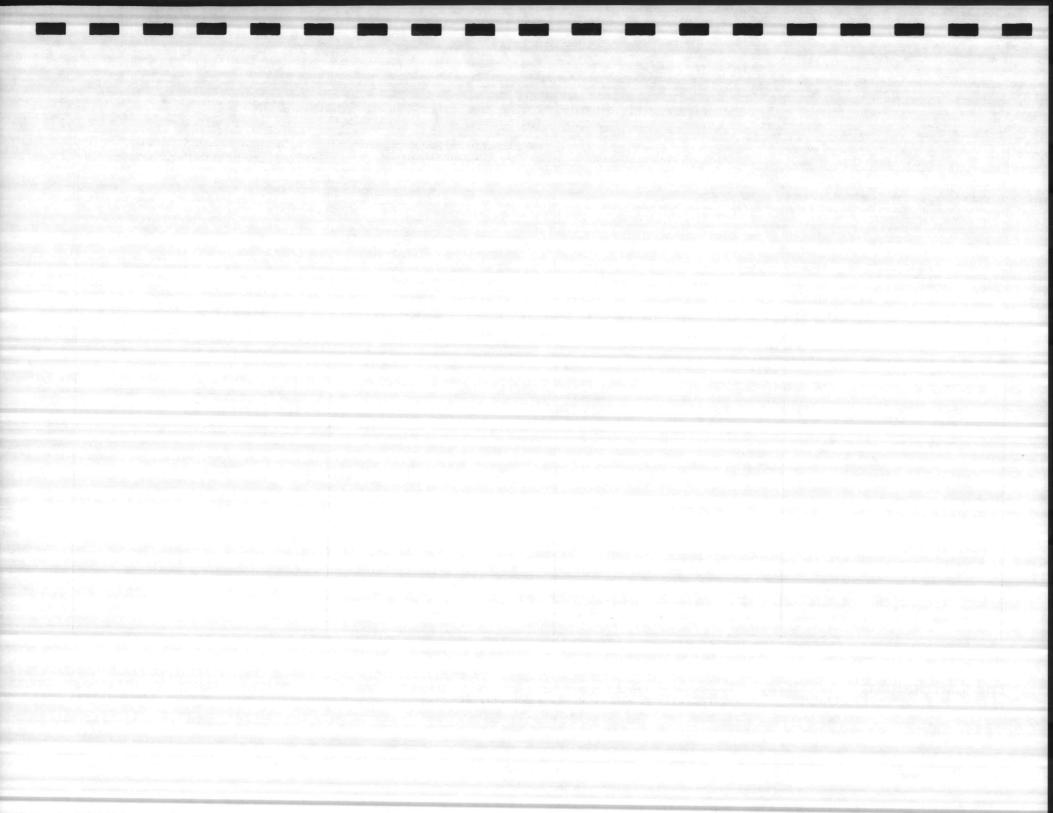
FILE NAME: LP010032 PAGE 4 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.____

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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	NA 0	0	0
Other Ranges Which Must Be Closed When This Range is in Use	NA		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes Water traffic Comply with blast focus		
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	Yes Visibility of water		

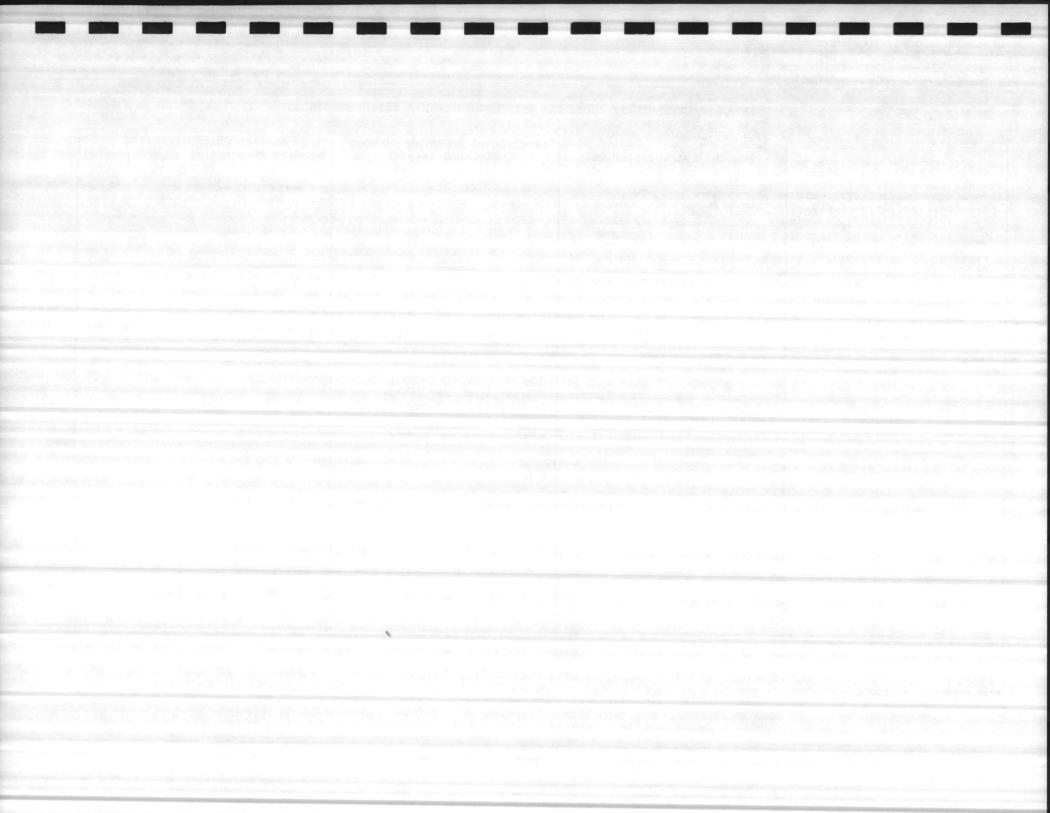
FILE NAME: LP010032 PAGE 5 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._

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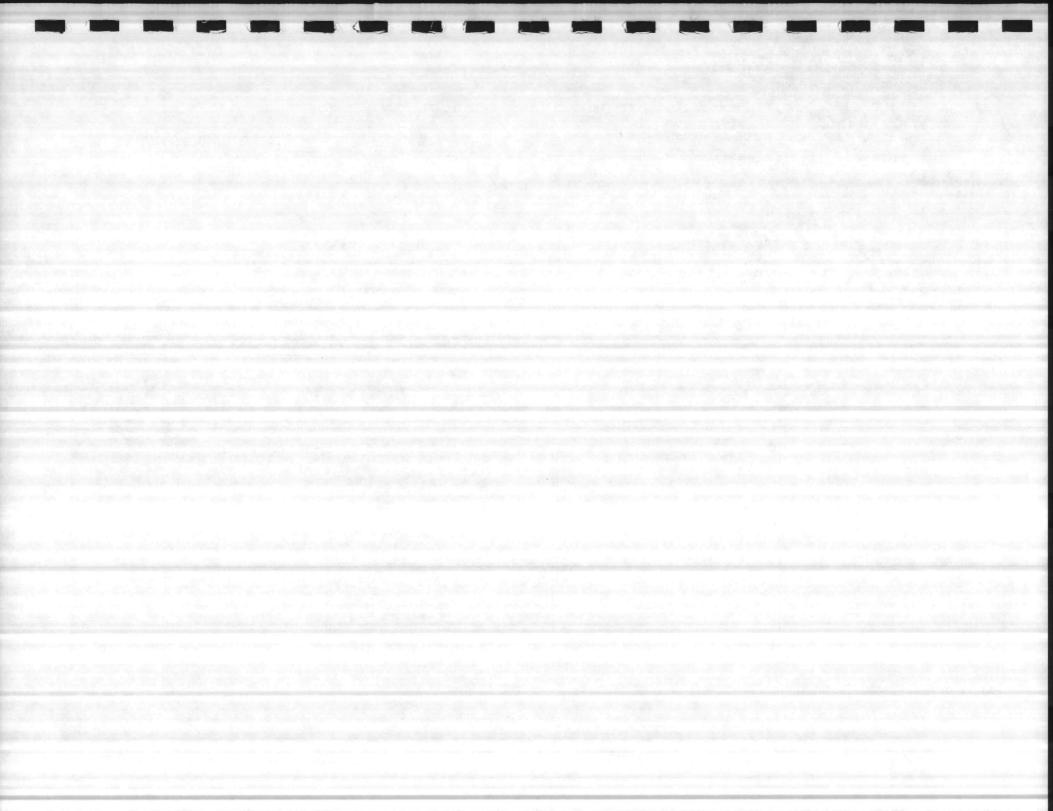


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Restrictions on Range Use Environmental AICUZ FAA Noise Gas/Chemical	NA		
Pyrotechnics/Flare Time of Day Time of Year Other			

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SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

RANGE NAME AND LOCATION: Scaled Target Subcaliber Range, MCB, Camp Lejeune, NC Scaled Target Subcaliber Training Range INSTRUCTIONS:

-- One form for each range/facility/simulator

-- Fill in data elements as appropriate

-- Use right column for new or improved ranges needed

 TYPE RANGE FACILITY:

 Live-Fire Full Caliber

 X______

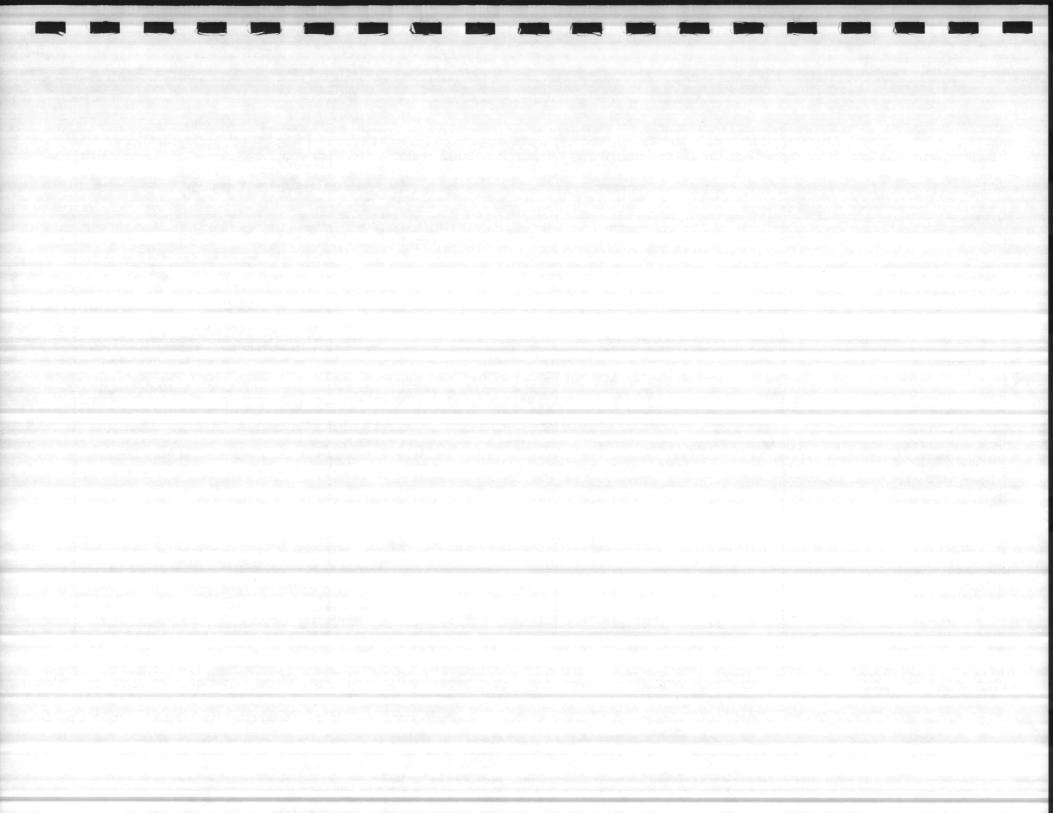
 Simulator

 Maneuver Area

 Associated Air Space

 Other

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Range Shape and Dimensions Dimensions (km)	150 m X 150 m X 400 m		
Primary Direction of Fire	5505 MILS/310 degrees		
Associated Air Space	To 17,999 ft; 399 sq km		
Coordinates	TP826305		
		namen and a second s	
Safety Buffer Rear (km) Sides (km) Altitude (ft)	NA		- , ,
Number of Firing Points/ Stations	15 tanks		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area			



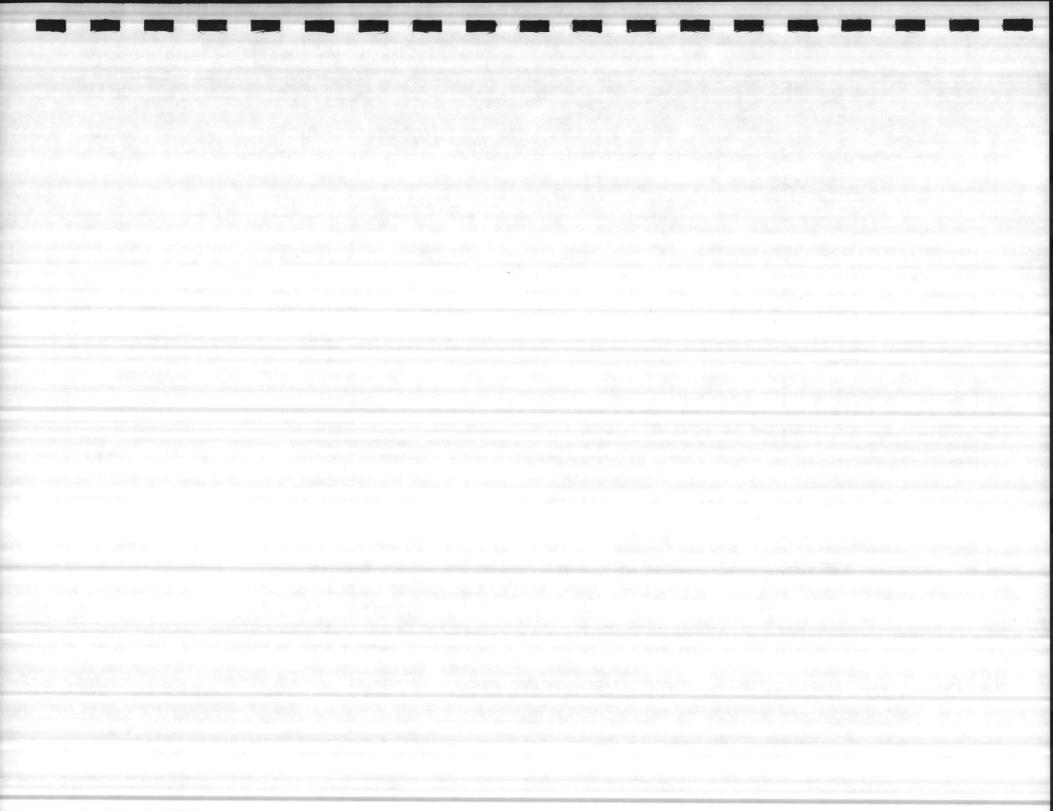
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued)Demonstration AreaHead FacilityAmmunition BunkerWater SystemElectrical SystemClassroomBivouac SiteOther			
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Farget Types Pop-up Stationary Moving Revolving Other	x x		
Are There Associated Simulation Devices? Yes, No, NA	NA		

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DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr 0

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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	.22-cal, M203, M16A1		
Climate Seasonal. Tropic. Temperate. Arctic. Desert. All-Weather (Indoor) Other.		NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level. Percentage Water	100	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	95 5	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010033 PAGE 3 OF 6 DATE: 03/05/87

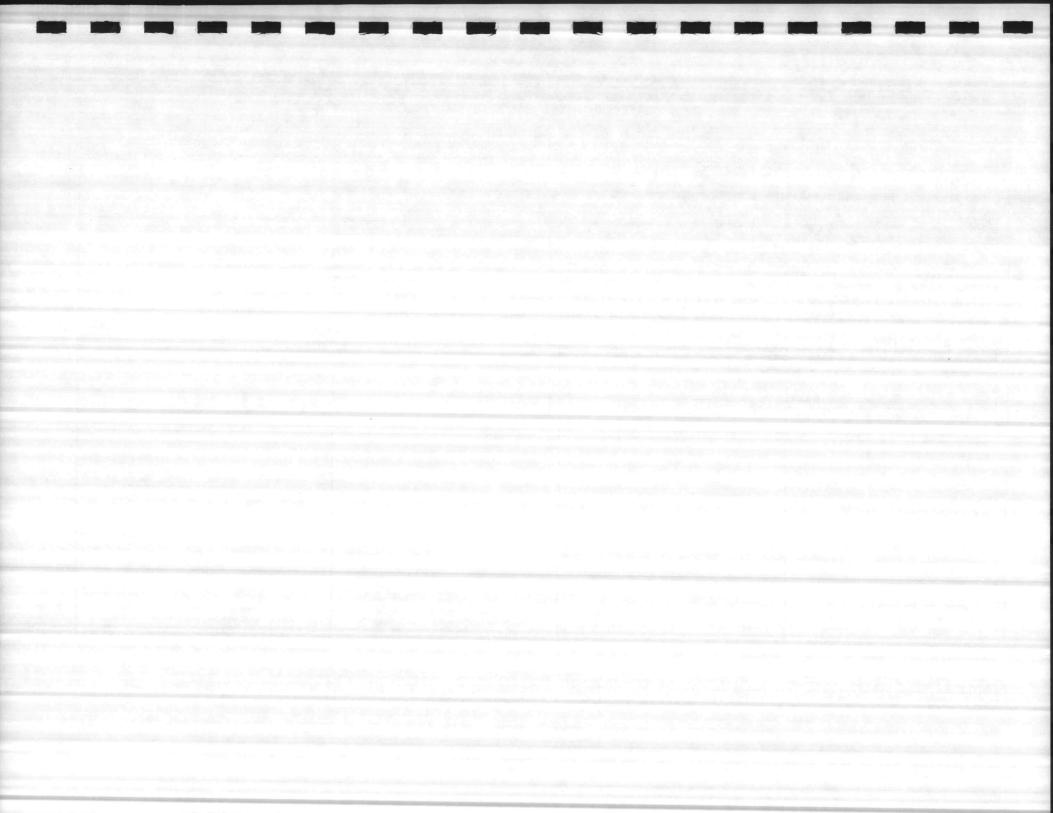
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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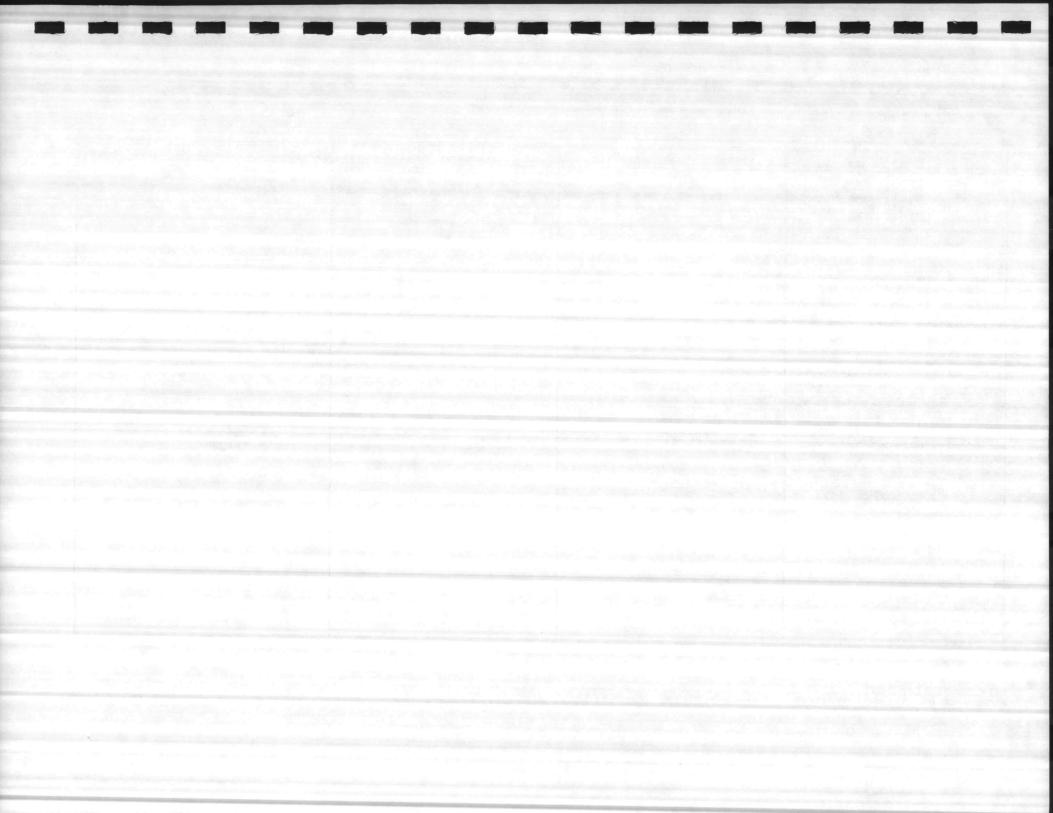


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	12		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	85		
Number of Days per Year the Range/Facility is Available	360	· · · · · · · · · · · · · · · · · · ·	
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

FILE NAME: LP010033 PAGE 4 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	5	0	0
Other Ranges Which Must Be Closed When This Range is in Use	NA		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes Water traffic		 ·
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	Yes Water traffic watch		

FILE NAME: LP010033 PAGE 5 OF 6 DATE: 03/05/87

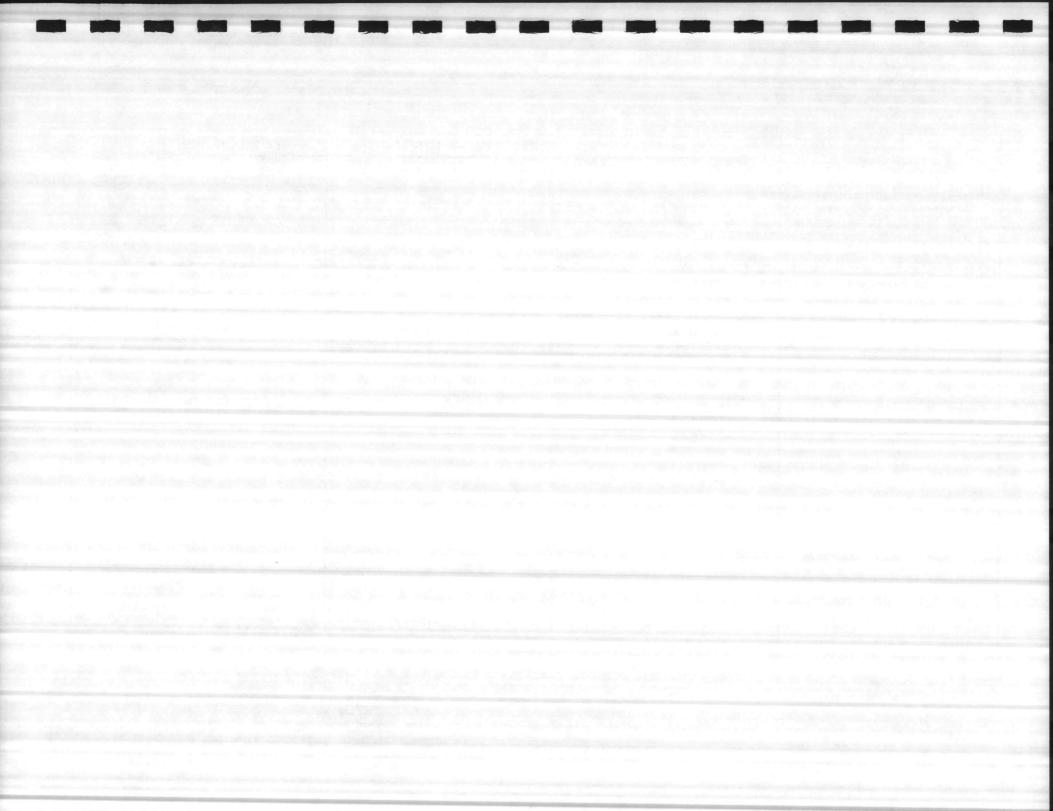
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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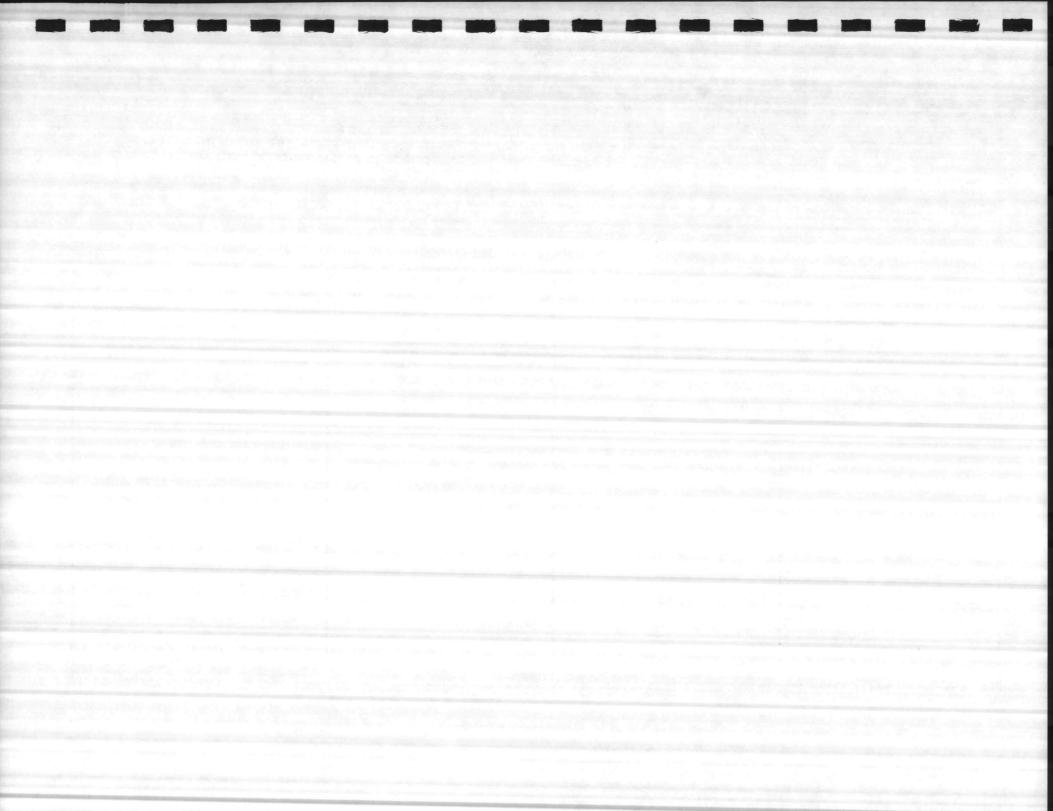
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS
strictions on Range Use Environmental AICUZ			
FAA Noise			
Gas/Chemical Pyrotechnics/Flare Time of Day			
Time of Year Other	X Water Traffic		
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	the state of the s		
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SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

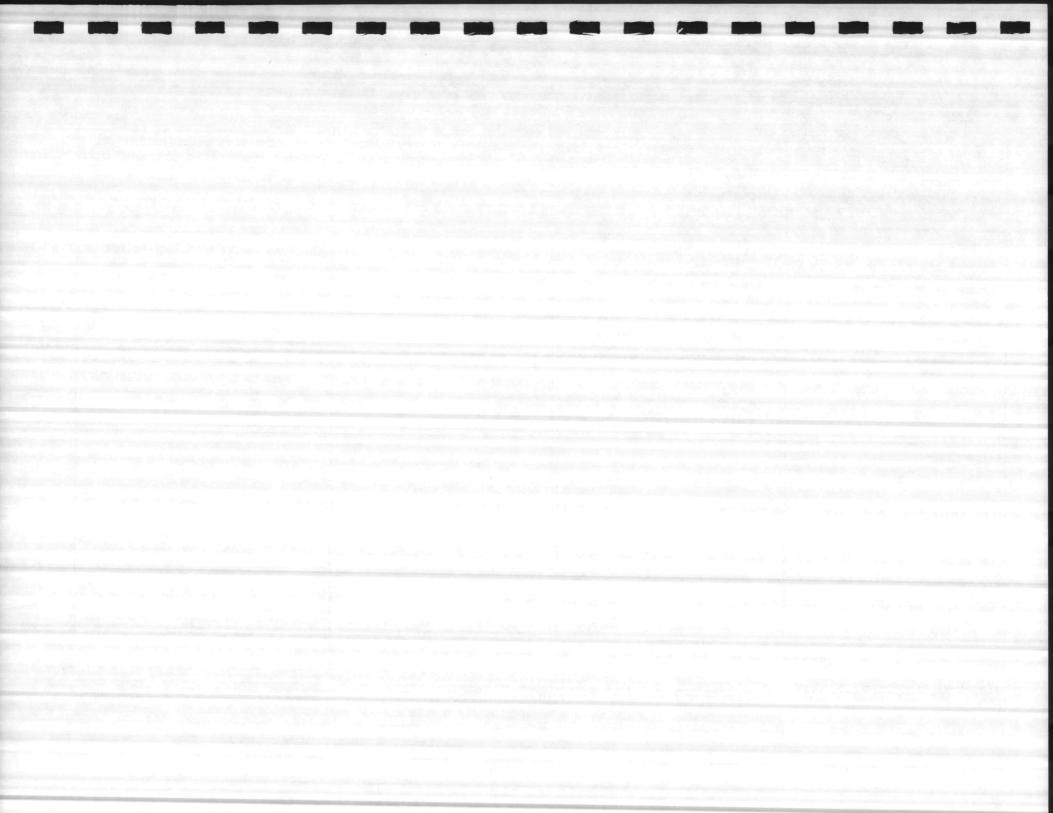
RANGE NAME AND LOCATION: K-2 Bombing and Target Range, MCB, Camp Lejeune, NC Bombing and Target Range INSTRUCTIONS: -- One form for each range/facility/simulator -- Fill in data elements as appropriate -- Use right column for new or improved ranges needed

TY PE	RANGE FACILITY:	
x	Live-Fire Full Caliber	
-	Live-Fire Subcaliber	
	Simulator	
	Maneuver Area	
ALC: NO	Associated Air Space	
1. 1970	Other	

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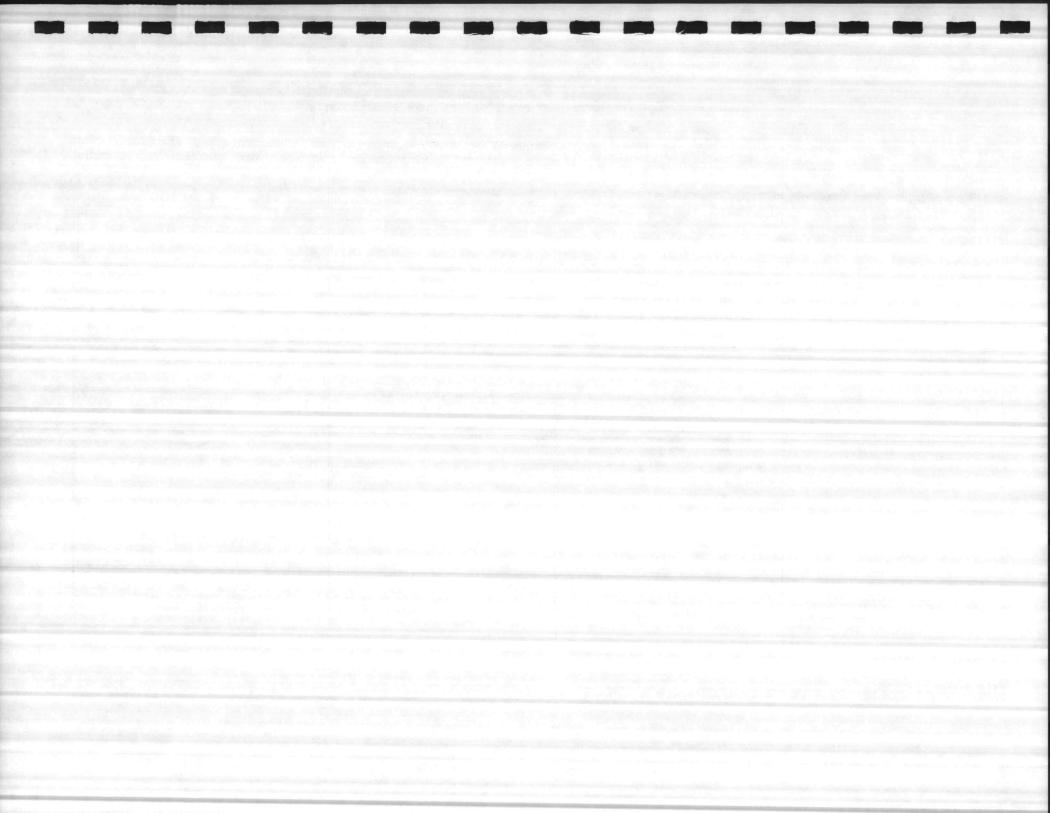
PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS
3.5 X 2.4 impact 3.55 x 1 secondary impact Undefined To 17,999 ft; 399 sq km TP7833 to TP7935 to TP8135 to TP8133		
 50 m		-
 NA		
	<pre>3.5 X 2.4 impact 3.55 x 1 secondary impact Undefined To 17,999 ft; 399 sq km TP7833 to TP7935 to TP8135 to TP8133 </pre>	PRESENT CHARACTERISTICS (INCLUDE YEAR) 3.5 X 2.4 impact 3.55 x 1 secondary impact Undefined To 17,999 ft; 399 sq km TD 17,999 ft; 399 sq km TP7833 to TP7935 to TP8135 to TP8135 to TP8133 Image: style="text-align: right;">Image: style="text-align:



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Bivouac Site Other			
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Target Types Pop-up Stationary Moving Revolving Other	x		
Are There Associated Simulation Devices? Yes, No, NA	NA		

PAGE 2 OF 6

DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._



LATAR RANGE/FACILITY INVENTORY DATA FORM (LFRTS-P-00)001) (CONTINUED)
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	indirect fire, CAS (250 lbs TNT equivalent)		
		•	
Climate Seasonal Tropic Temperate	x		
Arctic. Desert. All-Weather (Indoor) Other.		NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp	100	· · · · · · · · · · · · · · · · · · ·	
Percentage Desert Percentage Beach Percentage Level Percentage Water		NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay	90	NOT APPLICABLE	NOT APPLICABLE
Percentage Swamp/Marsh Percentage Loamy Percentage Other	10		

FILE NAME: LP010034 PAGE 3 OF 6 DATE: 03/05/87

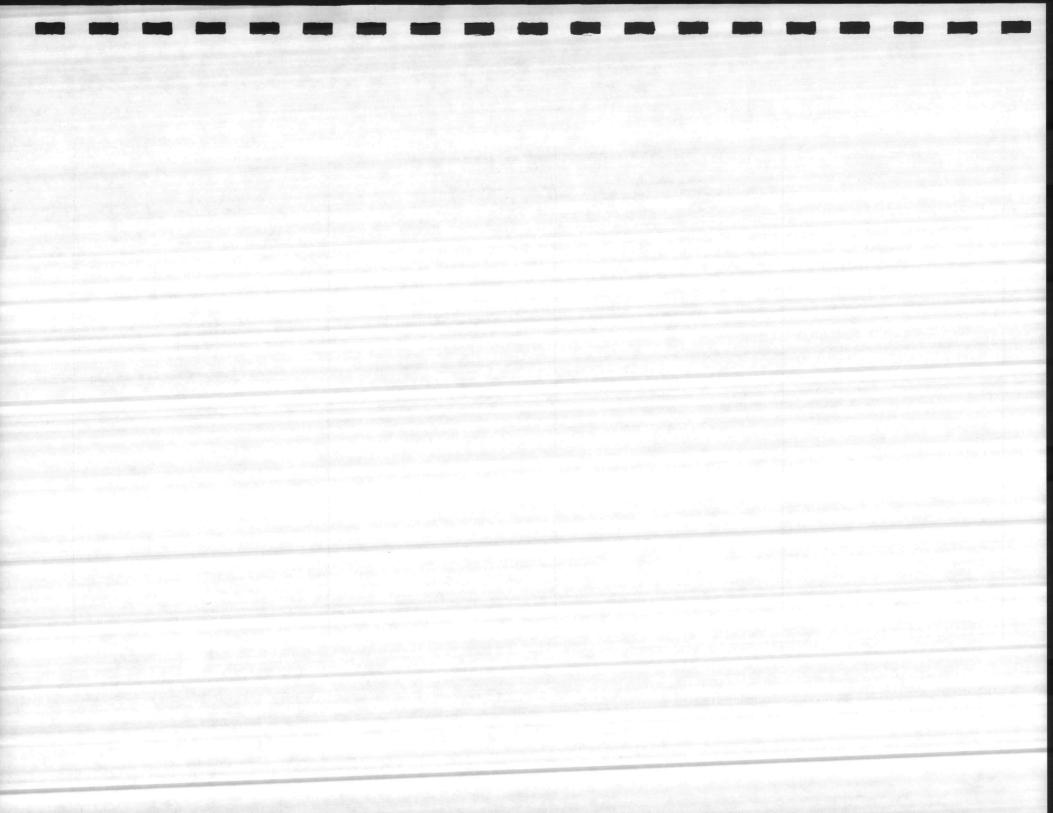
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	2		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	34	 	
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	NA 		
Number of Days per Year the Range/Facility is Available	365		
Is Range/Facility Capable of Nighttime Use? Yes, No			

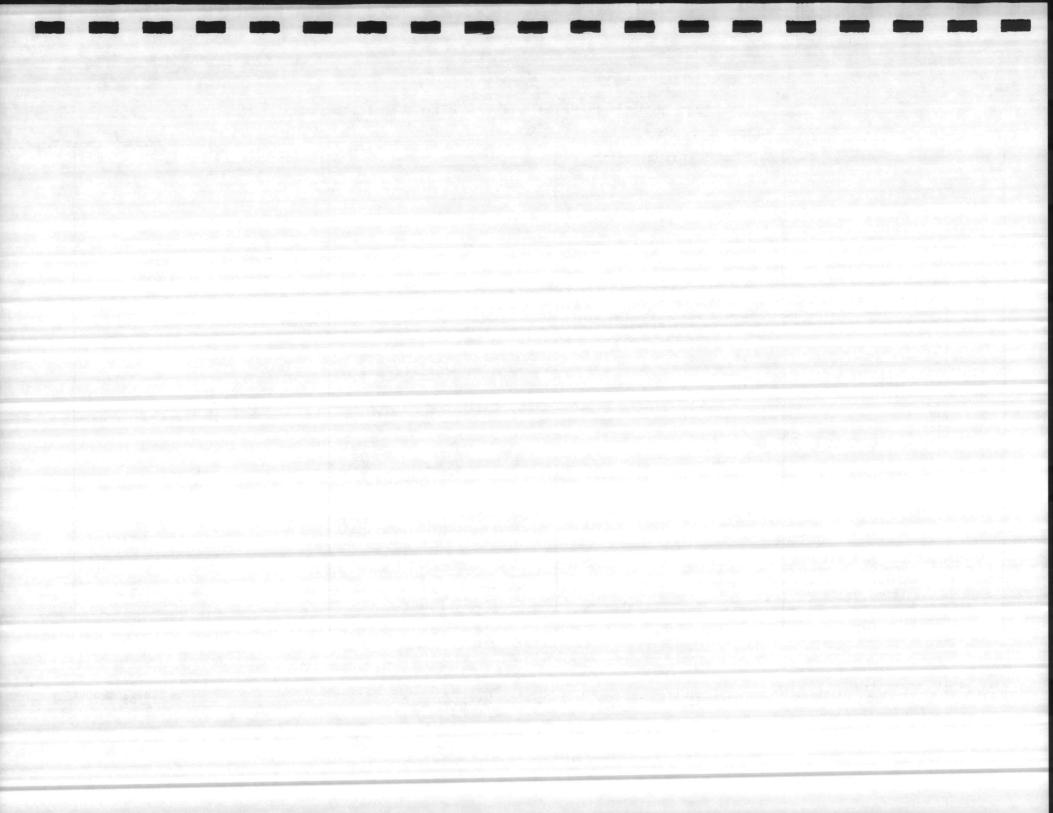
FILE NAME: LP010034 PAGE 4 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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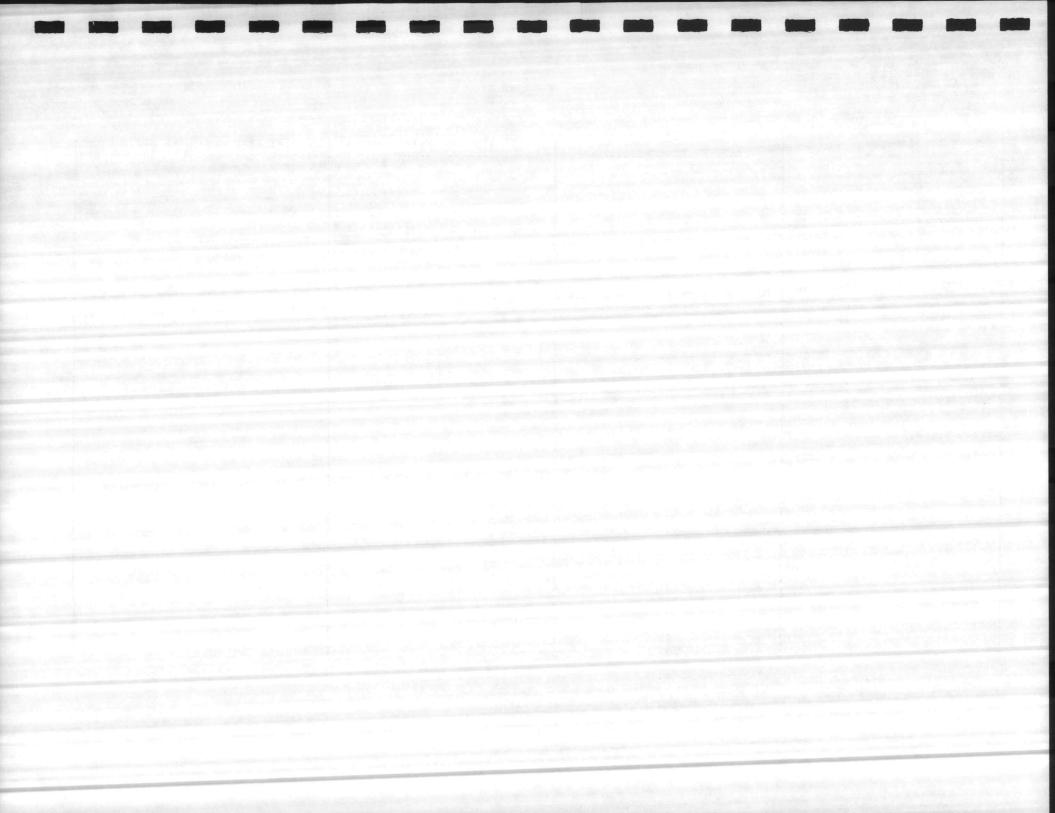


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total. Maintenance. Weather. Budget. Fire Condition/Weather. Weekends/Holidays. Other.	NA 0	0	0
Other Ranges Which Must Be Closed When This Range is in Use	New River when firing artillery		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	NA		
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	Yes Water traffic Towers manned		

FILE NAME: LP010034 PAGE 5 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._

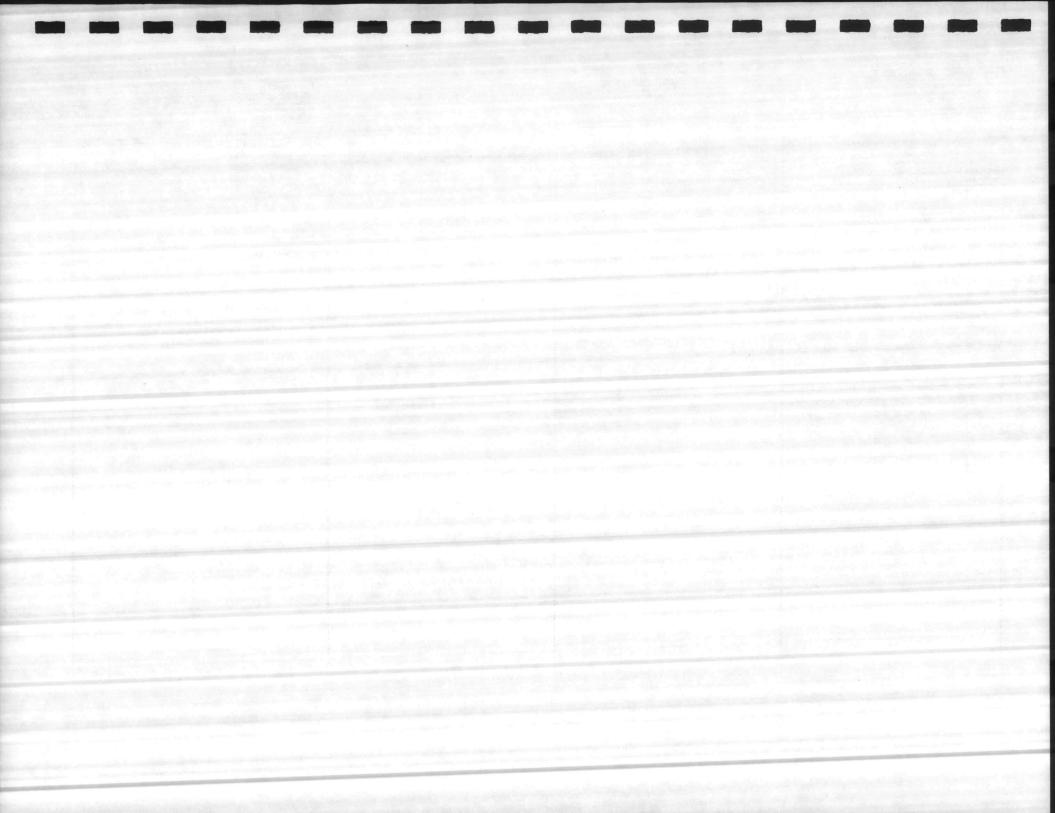
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
strictions on Range Use	X Woodpecker habitat		
AICUZ		an and a second s	
FAANoise	and the second second second second		
Gas/Chemical		The second s	
Pyrotechnics/Flare			
Time of Year			
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비행 이 가슴을 넣는 것 같다.			
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SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

RANGE NAME AND LOCATION: K-211 M203 and MK19 Grenade Launcher Range, MCB, CAMP Lejune, NC M203 and MK19 Grenade Launcher Range INSTRUCTIONS:

TYPE RANGE FACILITY: X_____Live-Fire Full Caliber Live-Fire Subcaliber Simulator Maneuver Area Associated Air Space Other 0

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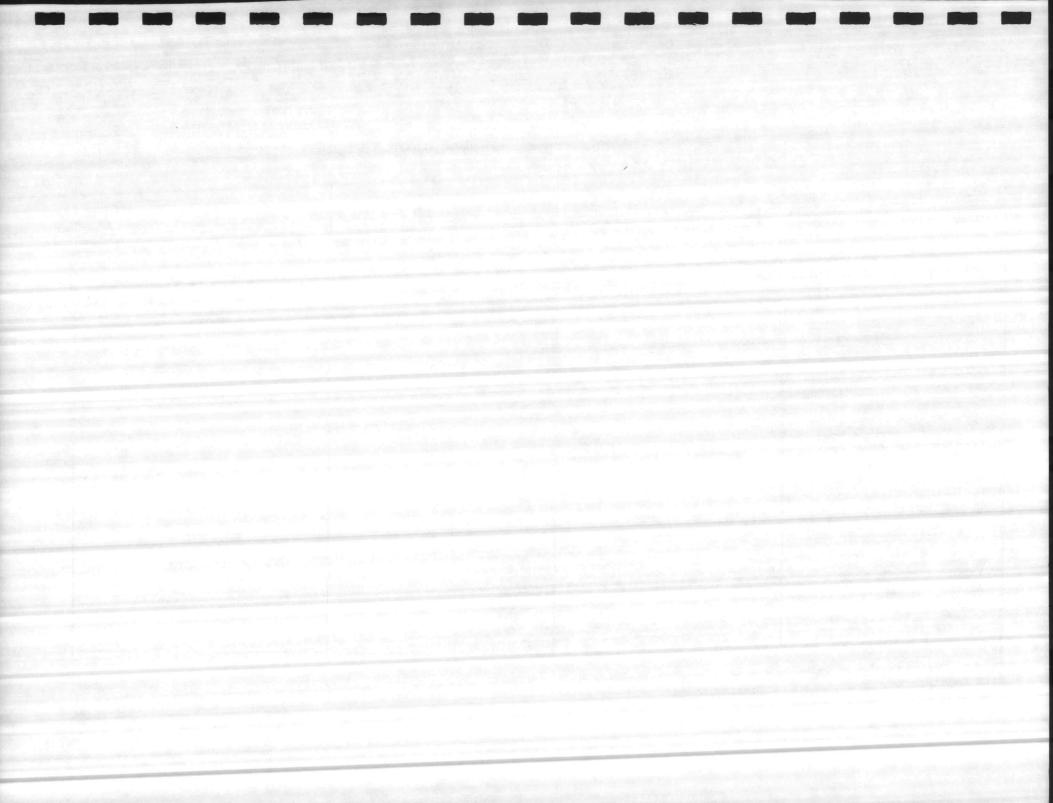
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-- One form for each range/facility/simulator

-- Fill in data elements as appropriate

-- Use right column for new or improved ranges needed

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km)	8 X .5		
Primary Direction of Fire	2725 MILS/153 degrees		
Associated Air Space	To 17,999 ft; 399 sq km		and the second
Coordinates	TP783353	a dama and a second and a second and a second a	
Safety Buffer Rear (km) Sides (km)	 NA	-	
Altitude (ft)			
Number of Firing Points/ Stations	 5 		
Range Facilities Control Tower Communications System Target Shed Utility Building			
Aid Station Parking Area Viewing Area	and the second sec		
ILE NAME: LP010035 AGE 1 OF 6 DATE: 03/05/87	RANGE/FACILITY MANAGER: D.	J. Hashagen. Sr.	LFRTS-P-0001

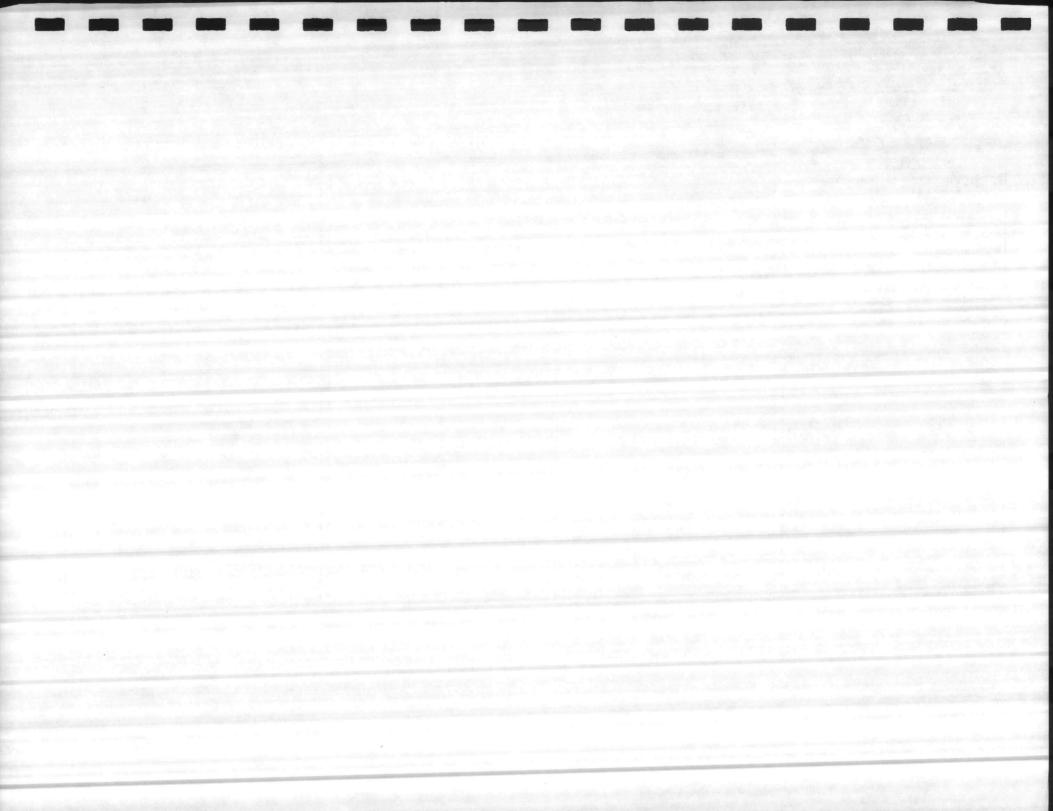


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Range Facilities (continued)Demonstration AreaHead FacilityAmmunition BunkerWater SystemElectrical SystemClassroomBivouac SiteOther			
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Target Types Pop-up Stationary Moving Revolving Other	x		•
Are There Associated Simulation Devices? Yes, No, NA	NA		

DATE: 03/05/87 PAGE 2 OF 6

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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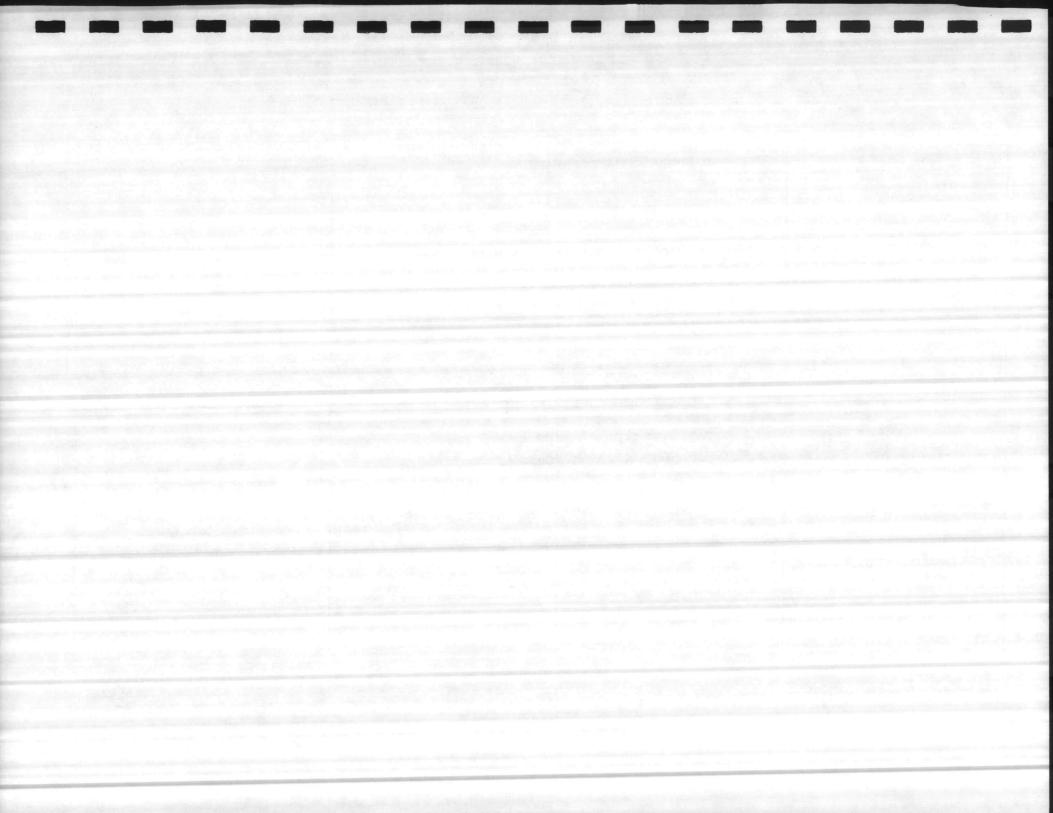


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	MK19, M203		
Climate Seasonal Tropic Temperate Arctic.		NOT APPLICABLE	NOT APPLICABLE
Desert All-Weather (Indoor) Other			
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	100	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	100	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010035 PAGE 3 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	34		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	90		
Number of Days per Year the Range/Facility is Available	355		
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

FILE NAME: LP010035 PAGE 4 OF 6 DATE: 03/05/87

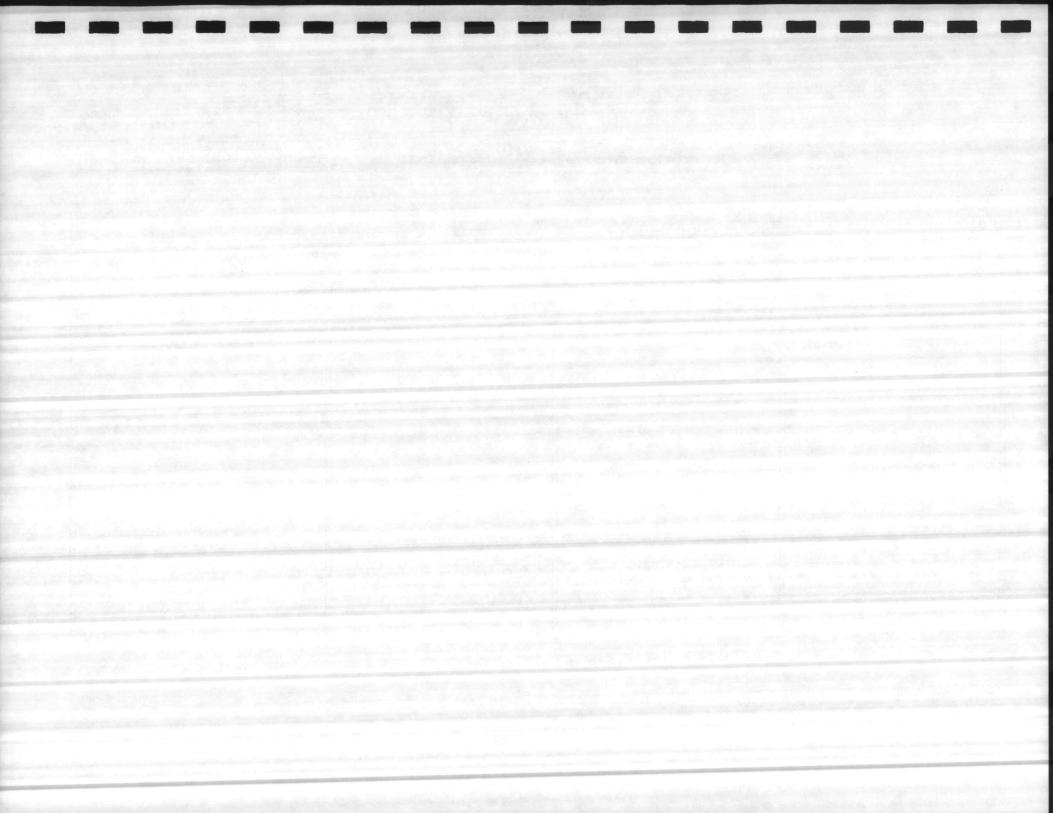
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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	(INCLUDE YEAR)	(SPECIFY YEAR NEEDED IF APPLICABLE)
10 10 	0	0
NA		
Yes No fire zone		
Yes No downrange movement		
	10	10

FILE NAME: LP010035 PAGE 5 OF 6 DATE: 03/05/87

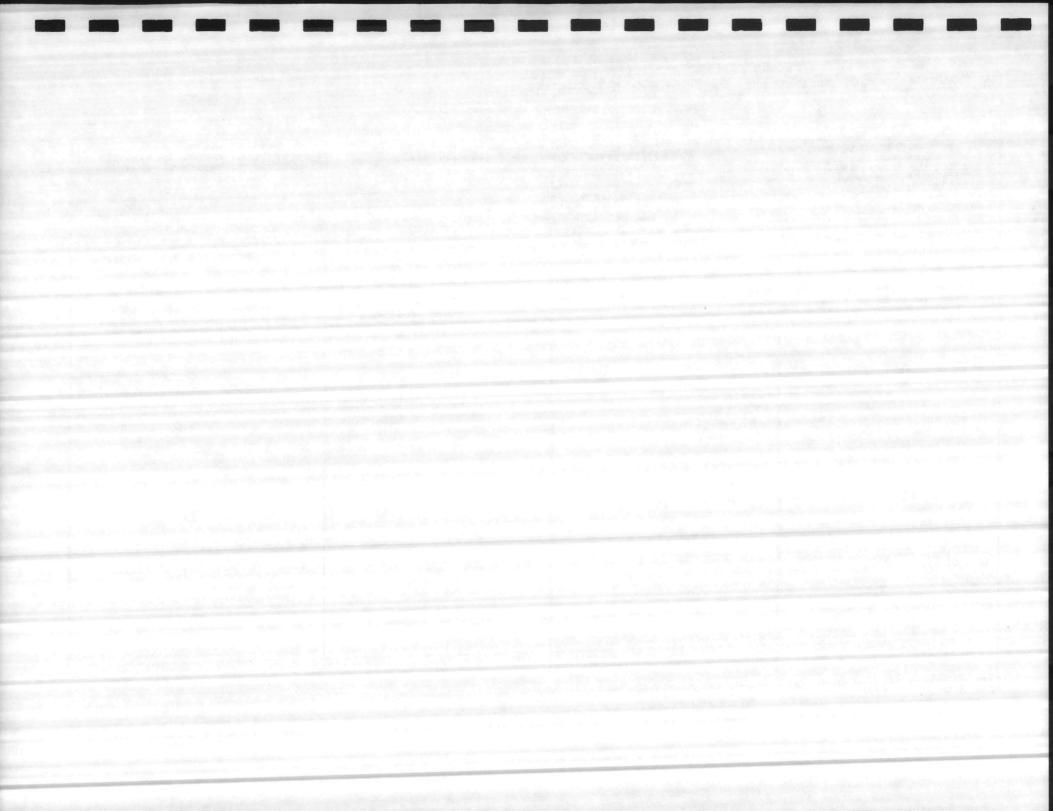
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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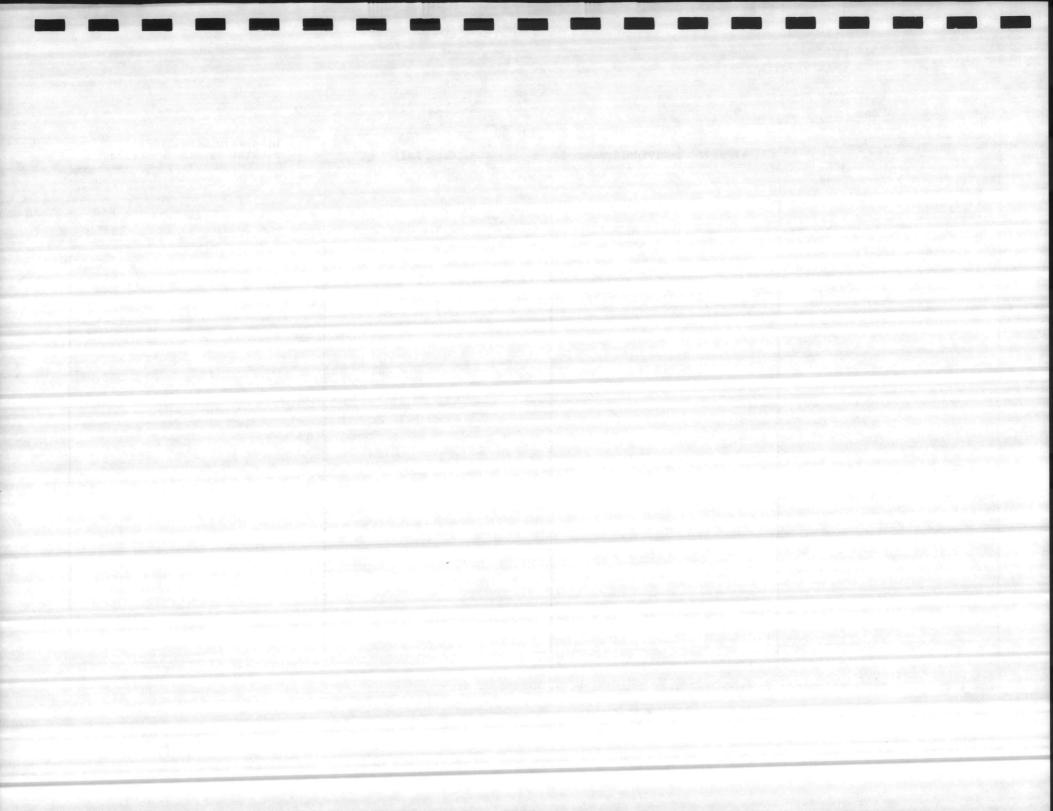
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Environmental AICUZ FAA	NA		
Noise Gas/Chemical Pyrotechnics/Flare Time of Day Time of Year Other			

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SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

TYPE RANGE FACILITY: Live-Fire Full Caliber Live-Fire Subcaliber Simulator, Blanks Maneuver Area Associated Air Space Other

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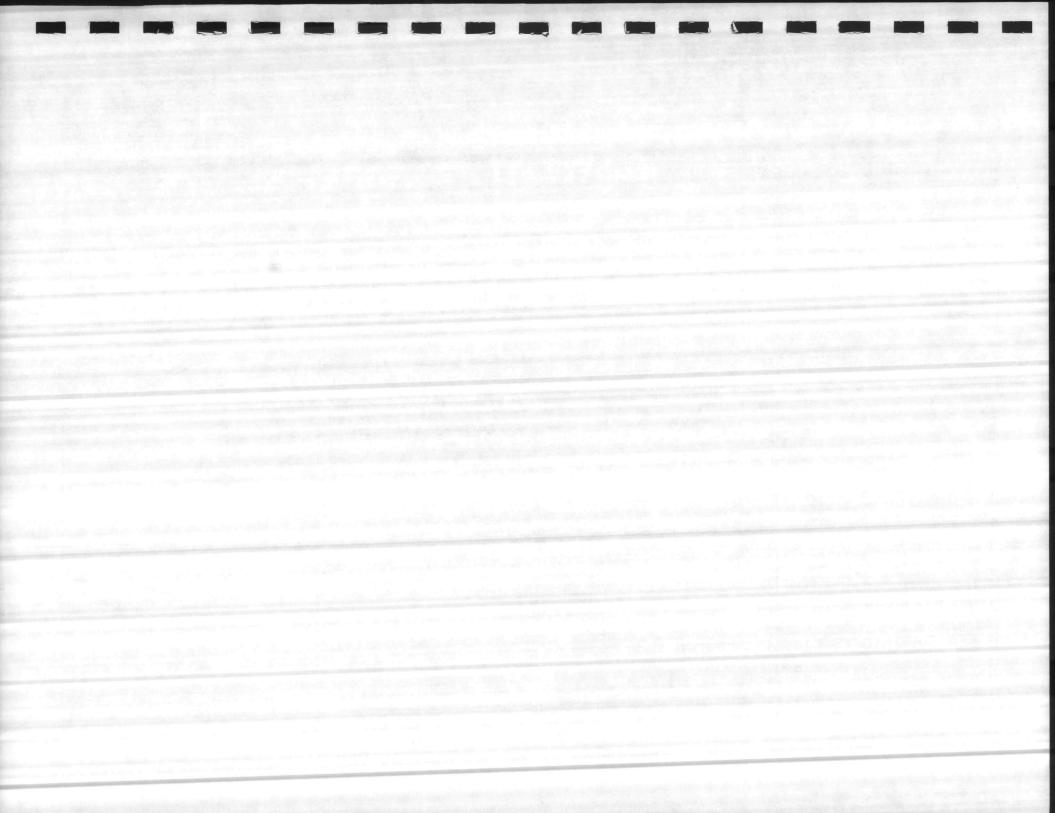
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RANGE NAME AND LOCATION: K-212 Infiltration/Individual Movement Range, MCB, Camp Lejeune, NC Infiltration/Individual Movement Range INSTRUCTIONS:

-- One form for each range/facility/simulator -- Fill in data elements as appropriate

-- Use right column for new or improved ranges needed

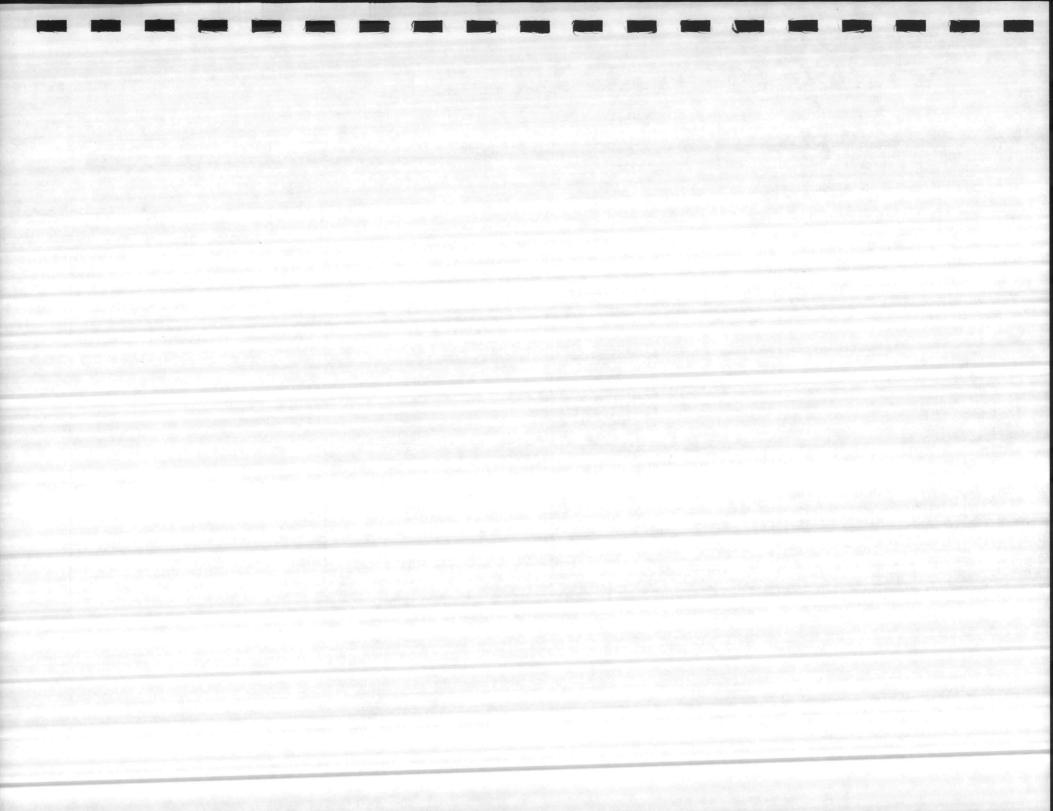
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km)	3.3 X 1.4		
Primary Direction of Fire	 2624 MILS/148 degrees		
Associated Air Space	 To 17,999 ft; 399 sq km		
Coordinates	TF781353		
Safety Buffer Rear (km) Sides (km) Altitude (ft)	 NA 		-
Number of Firing Points/ Stations	 12		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station			
Parking Area Viewing Area	and the second		
FILE NAME: LP010036 PAGE 1 OF 6 DATE: 03/05/87	RANGE/FACILITY MANAGER: D.	J. Hashagen, Sr	LFRTS-P-000



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site	x		
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other			
Farget Types Pop-up Stationary Moving Revolving Other	NA		· · · · · · · · · · · · · · · · · · ·
Simulation Devices?	 Yes 2 artillery 2 machine gun 		

PAGE 2 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	M16 blanks, M60 blanks, machine gun simulation, 1/4-lb demolitions		
Climate Seasonal Tropic Temperate Arctic. Desert All-Weather (Indoor) Other		NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	100	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	100	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010036 PAGE 3 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

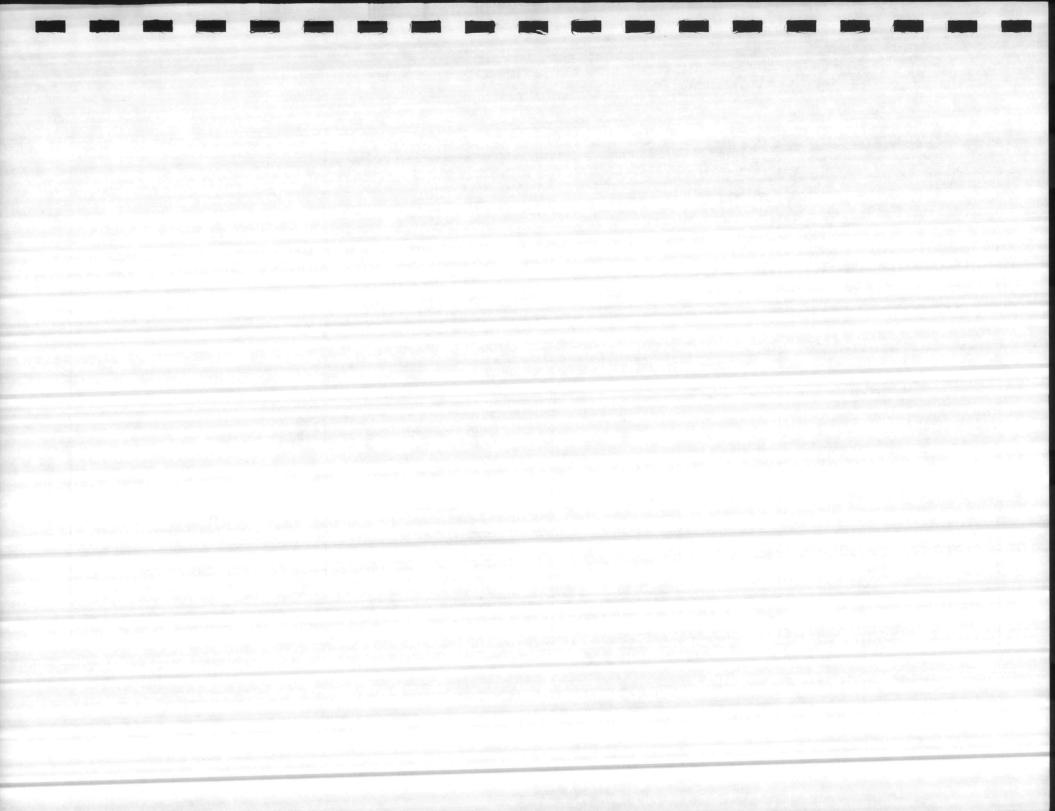
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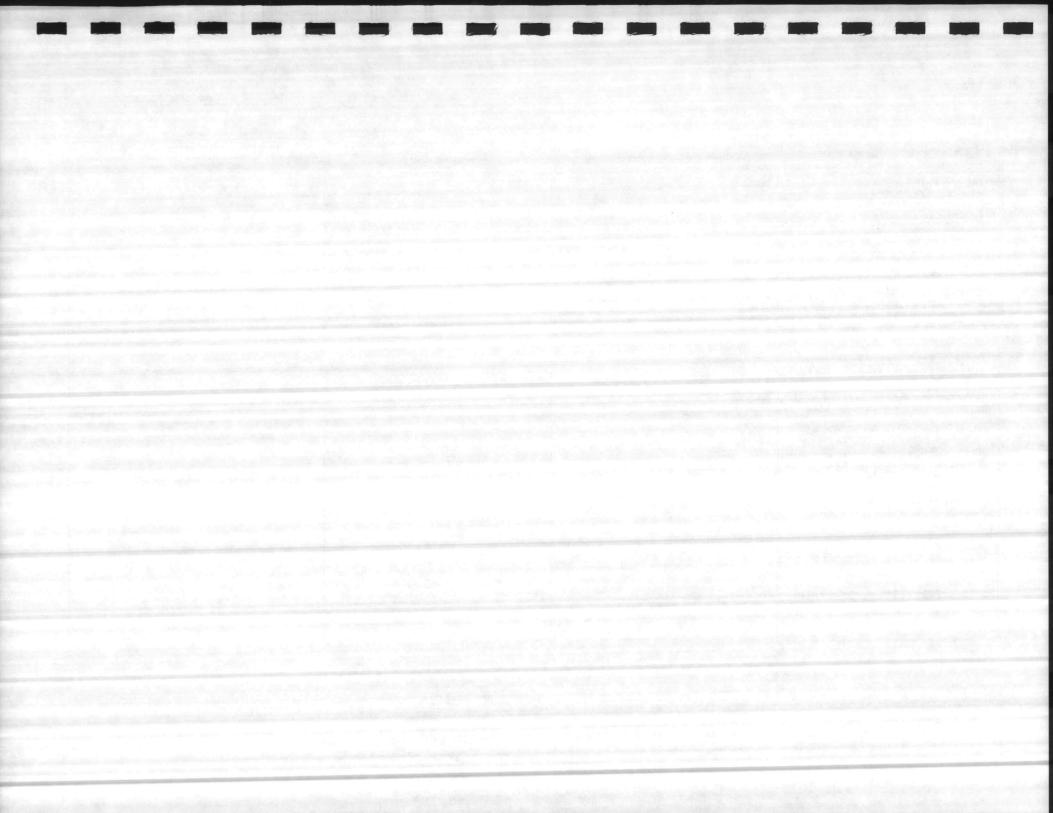
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100	·····	
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	34		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	200		
Number of Days per Year the Range/Facility is Available	345		
Is Range/Facility Capable of Nighttime Use? Yes, No	 No		

FILE NAME: LP010036 PAGE 4 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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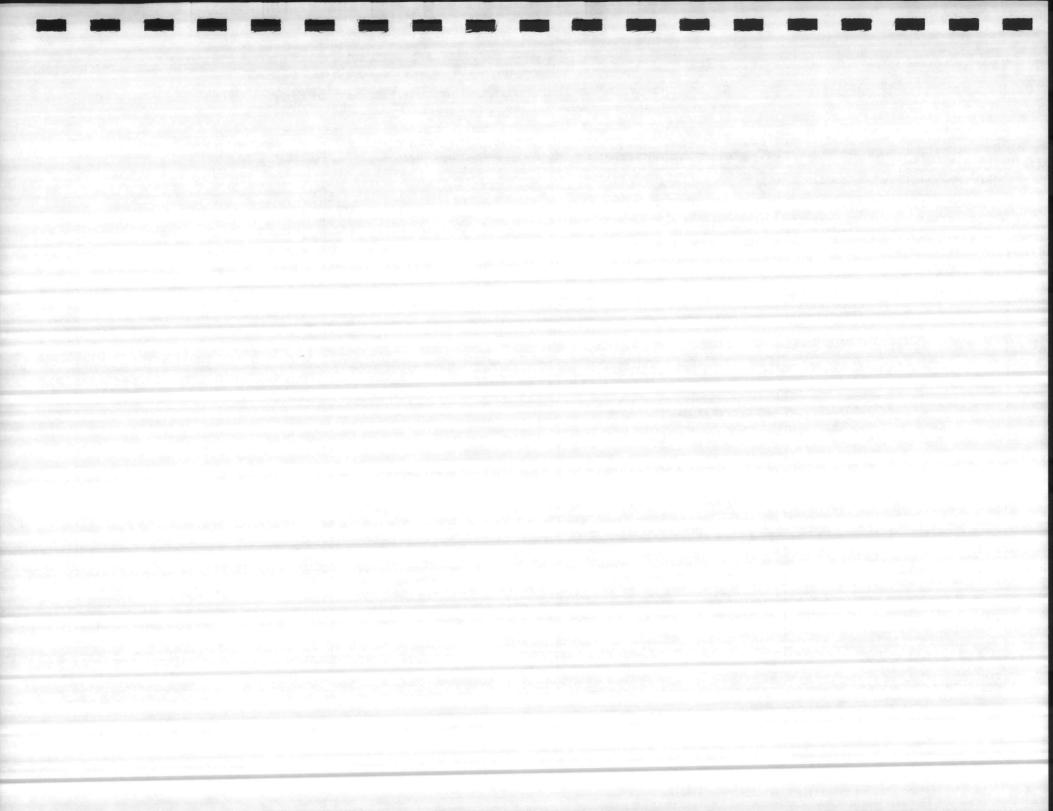
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total. Maintenance. Weather. Budget. Fire Condition/Weather Weekends/Holidays. Other.	20 20	0	0
Other Ranges Which Must Be Closed When This Range is in Use	NA		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes Demolition pits		
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	Yes Barbed wire infiltration course		

FILE NAME: LP010036 PAGE 5 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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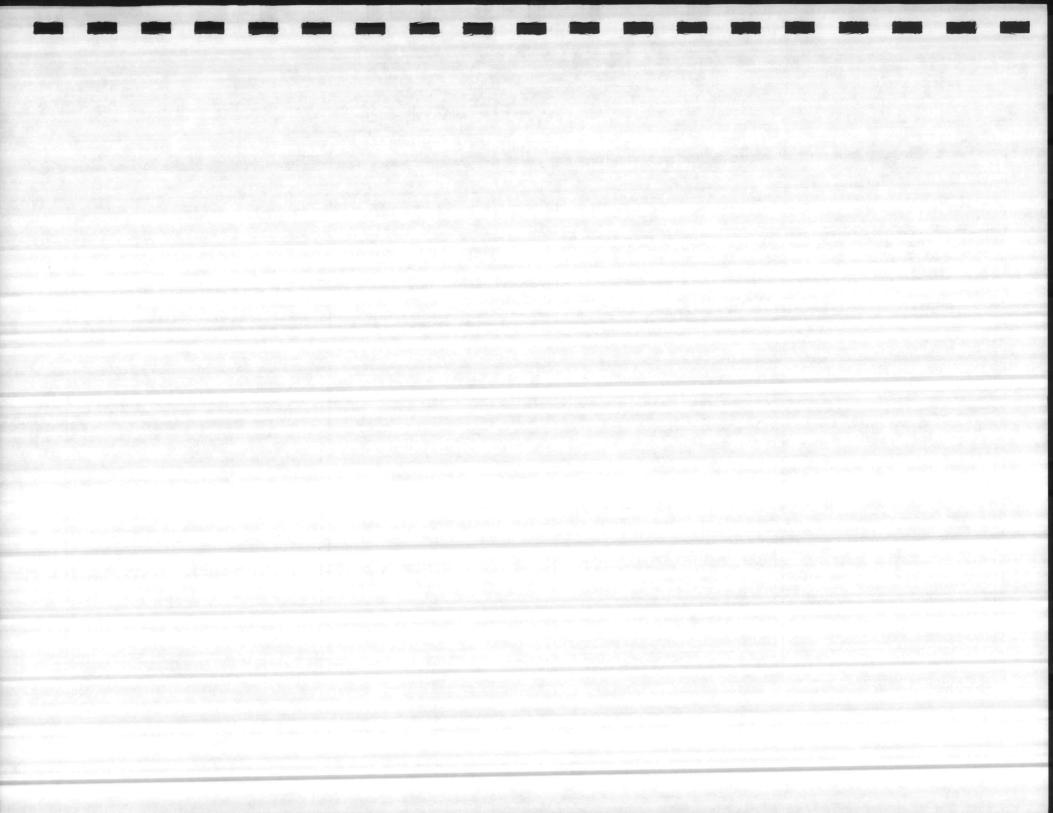


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Restrictions on Range Use Environmental AICUZ FAA Noise Gas/Chemical Pyrotechnics/Flare	NA		
Time of Day Time of Year Other			
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ILE NAME: LP010036 AGE 6 OF 6 DATE: 03/05/87	RANGE/FACILITY MANAGER: D.		- LFRTS-P-0(

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SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

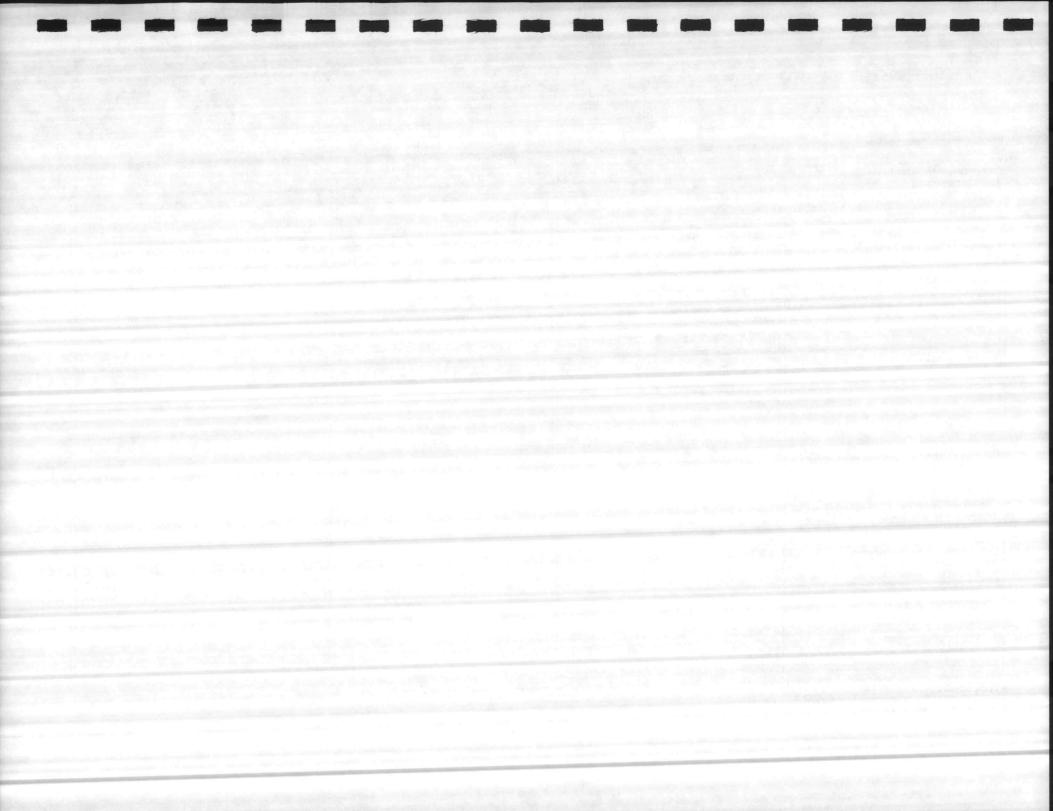
RANGE NAME AND LOCATION: K-301 LAW and SMAW Range, MCB, Camp Lejeune, NC LAW and SMAW Range INSTRUCTIONS:

-- One form for each range/facility/simulator -- Fill in data elements as appropriate

-- Use right column for new or improved ranges needed

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TY PE	RANGE FACILITY:
X	Live-Fire Full Caliber
-	Live-Fire Subcaliber
	Maneuver Area
1000	
	Associated Air Space
1	Other

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS
Range Shape and Dimensions Dimensions (km)	1.7 X .45		
Primary Direction of Fire	2654 MILS/149 degrees		
Associated Air Space	To 17,999 ft; 399 sq km		
Coordinates	тР788359	and the second	
Safety Buffer Rear (km) Sides (km) Altitude (ft)			- •
Number of Firing Points/ Stations	6		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area	X		
Viewing Area			The second s



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued)Demonstration AreaHead FacilityAmmunition BunkerWater SystemElectrical SystemClassroomBivouac SiteOther	X X		
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Farget Types Pop-up. Stationary. Moving. Revolving. Other.	х		
Are There Associated Simulation Devices? Yes, No, NA	NA		

FILE NAME: LP010037 PAGE 2 OF 6 DATE: 03/05/87

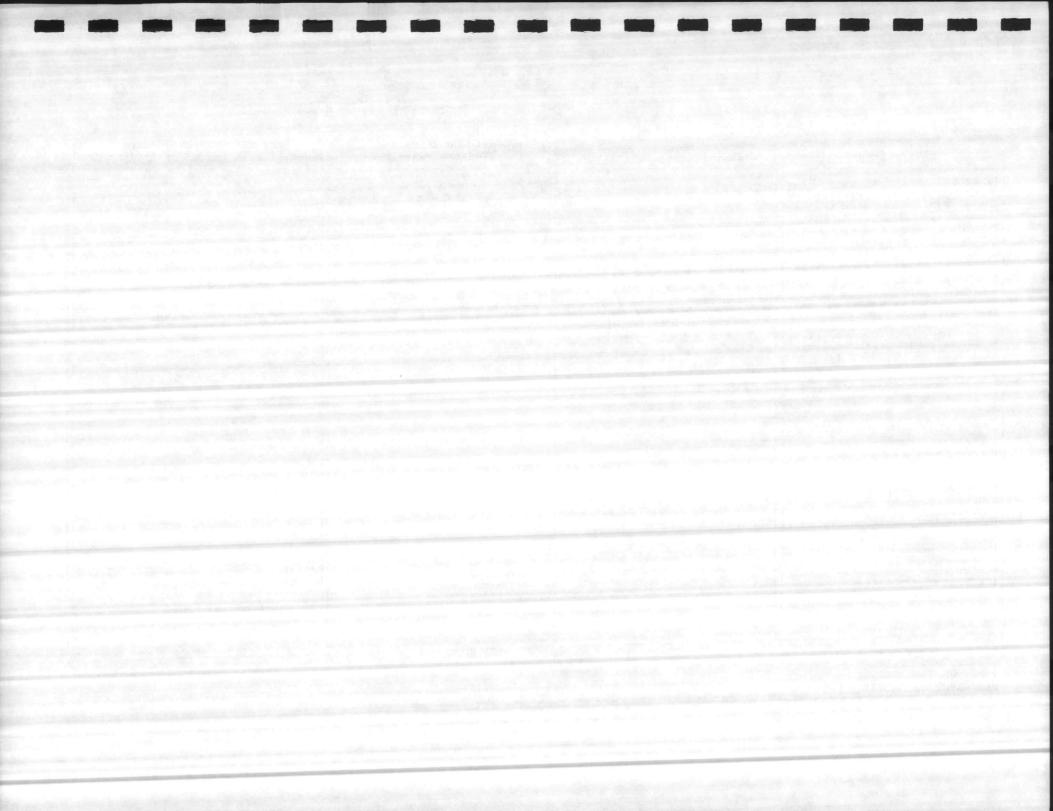
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Veapon Types Used on the Range	SMAW, M72 LAW, 60-mm illumi- nation, 81-mm illumination		
Climate Seasonal Tropic Temperate Arctic Desert. All-Weather (Indoor) Other		NOT APPLICABLE	NOT APPLICABLE
Cerrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	100	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	100	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010037 PAGE 3 OF 6 DATE: 03/05/87

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RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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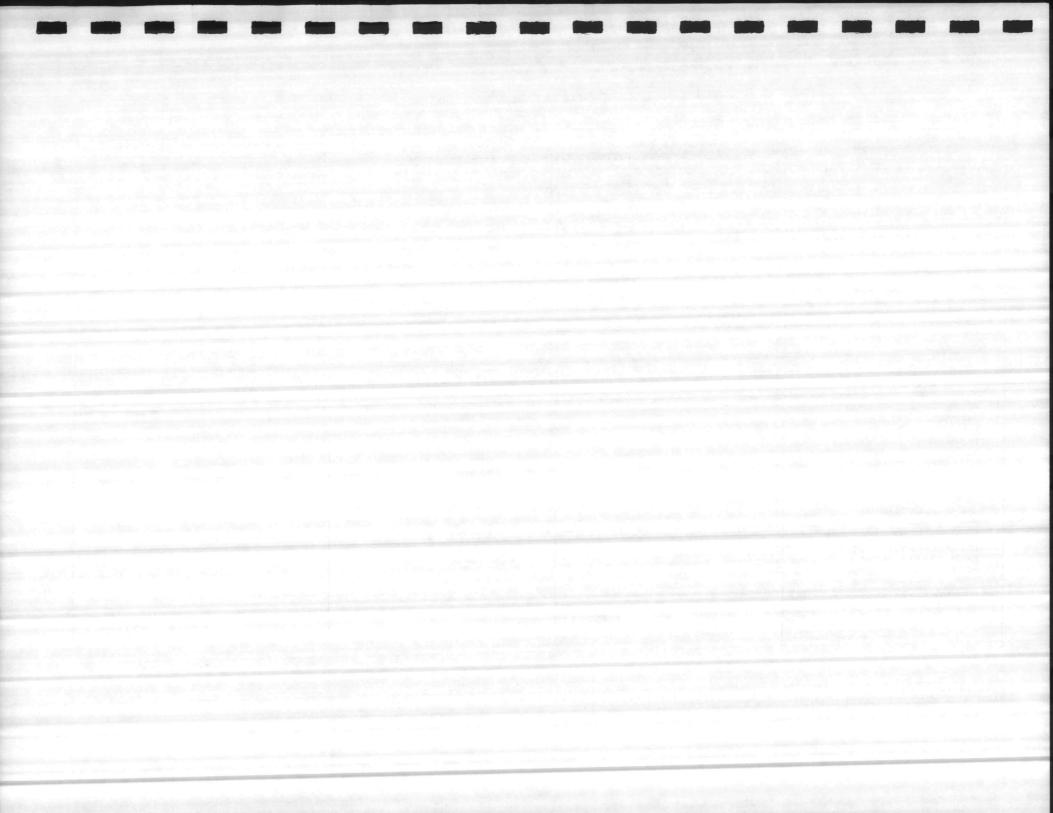
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100	*	
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	34		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	48		•
Number of Days per Year the Range/Facility is Available	355		
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

FILE NAME: LP010037 PAGE 4 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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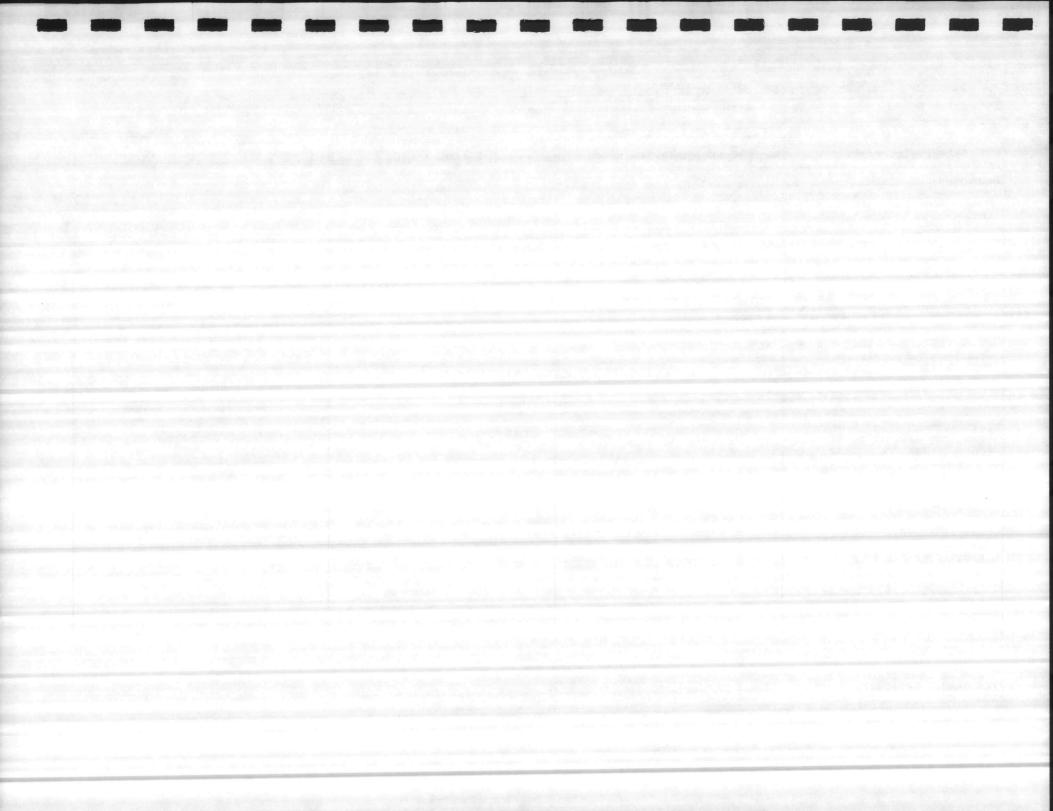
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	10 10	0	0
Other Ranges Which Must Be Closed When This Range is in Use	NA		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes Direct fire downrange		
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	Yes Troops remain in bleachers		

FILE NAME: LP010037 PAGE 5 OF 6 DATE: 03/05/87

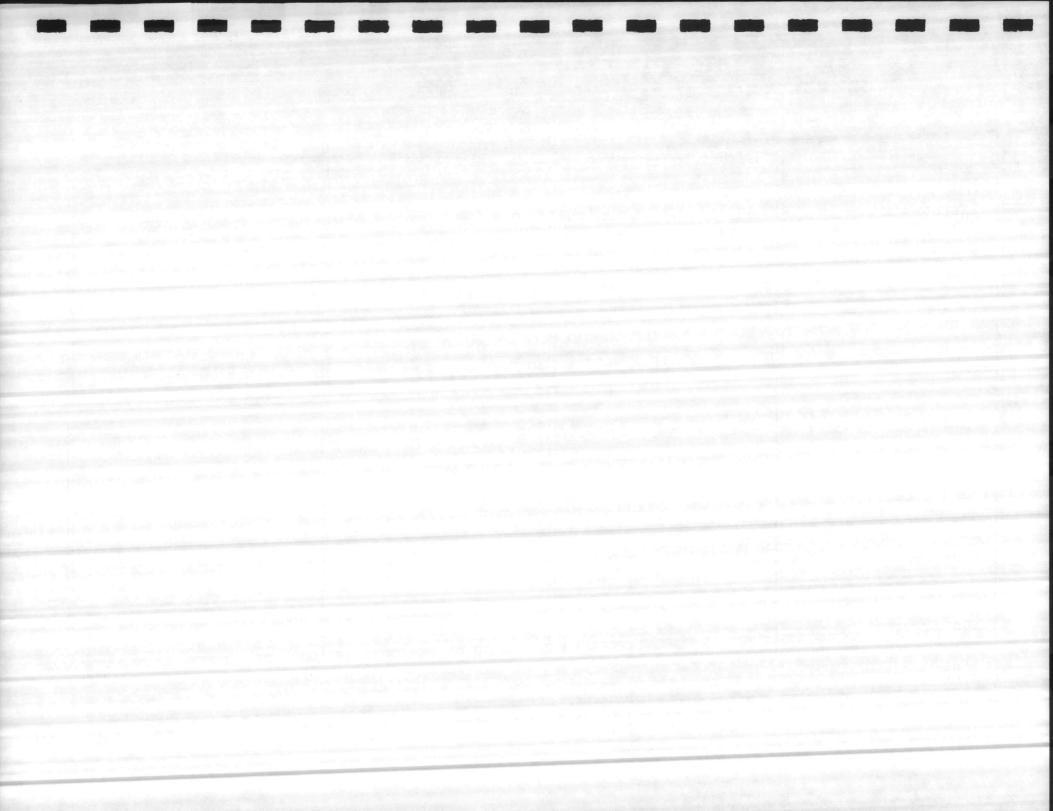
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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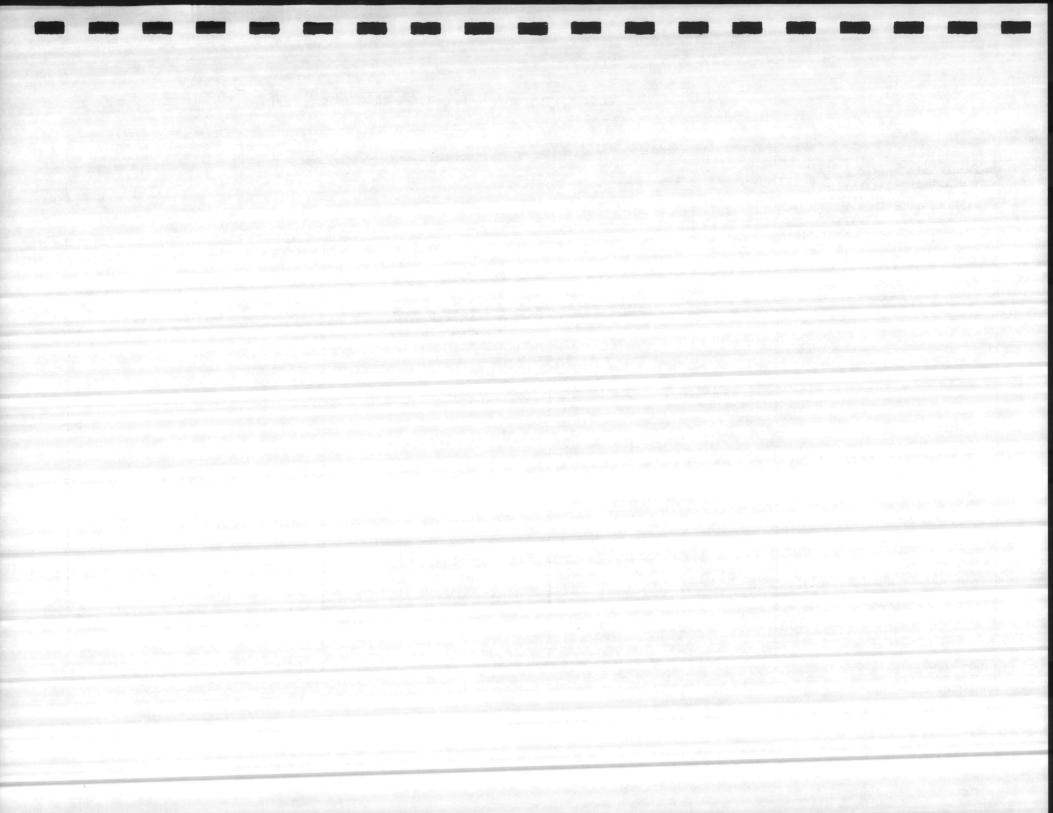
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LATAR	RANGE/FACILITY	INVENTORY	DATA	FORM	(LFRTS-P-0001)	(CONTINUED)	

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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
strictions on Range Use Environmental	V Woodnogkor habitat	and the second	
AICUZ	IN WOODPECKET NADILAL	and the bound of the set of the s	Provide a Langertant salar in the second state of
AA			
oise as/Chemical		a second s	
rotechnics/Flare			
Time of Day			
other	and the second second second second second second		
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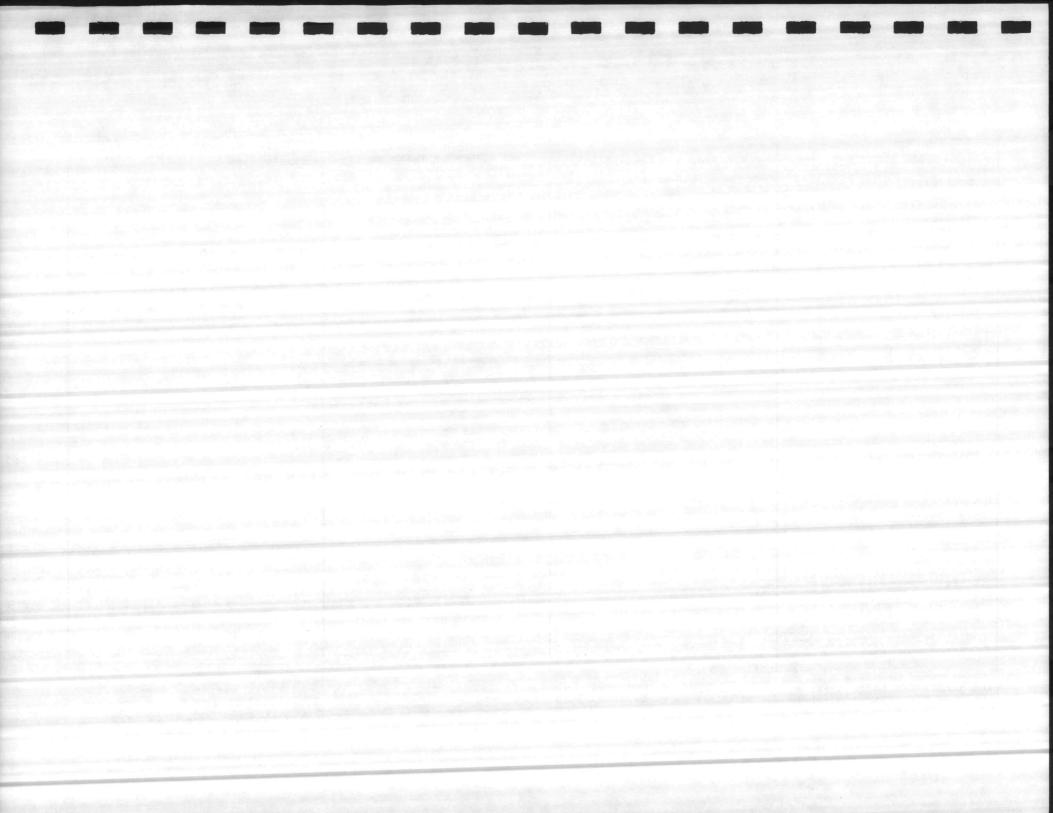
SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

RANGE NAME AND LOCATION: K-302 Field Firing and Battlesight Range, MCB, Camp Lejeune, NC Field Firing and Battlesight Range INSTRUCTIONS:

-- One form for each range/facility/simulator -- Fill in data elements as appropriate -- Use right column for new or improved ranges needed

TYPE	RANGE FACILITY:
X	Live-Fire .ull Caliber
i tirthy a	Live-Fire Subcaliber
1 TO SAL	Simulator
	Maneuver Area
1.	Associated Air Space
	Other
	•

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS
ange Shape and Dimensions Dimensions (km)	2.2 X 1.5		
Primary Direction of Fire	3277 MILS/184 degrees		and the second
Associated Air Space	To 17,999 ft; 399 sq km	and the state of the second	
Coordinates	 TP7 93 35 9		
afety Buffer Rear (km) Sides (km) Altitude (ft)	NA		
	50		
ange Facilities Control Tower Communications System Target Shed Utility Building Aid Station	X		
Parking Area Viewing Area			

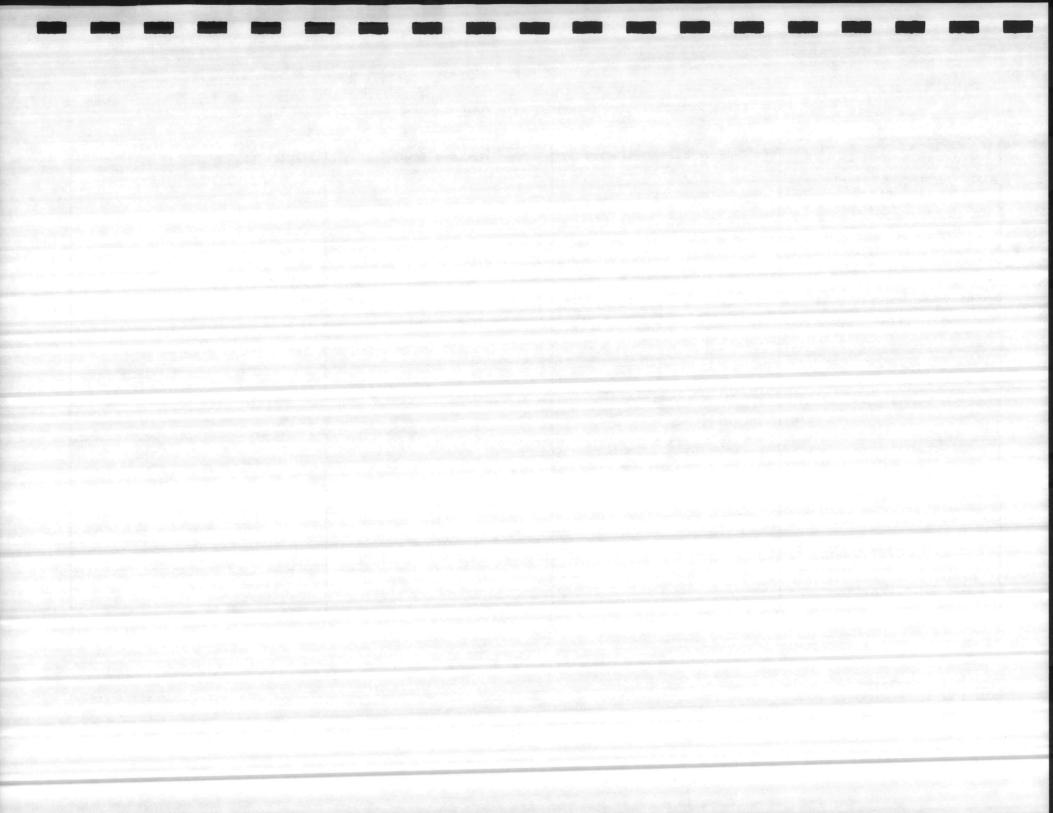


LATAR RANGE/FACILITY INVEN	TORY DATA FORM	(LFRTS-P-0001)	(CONTINUED)
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site Other			
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Target Types Pop-up Stationary Moving Revolving Other	x		•
Are There Associated Simulation Devices? Yes, No, NA	NA		

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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Weapon Types Used on the Range	M16		
Climate Seasonal Tropic Temperate	x		
Arctic Desert All-Weather (Indoor) Other		NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	100	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other		NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010038 PAGE 3 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

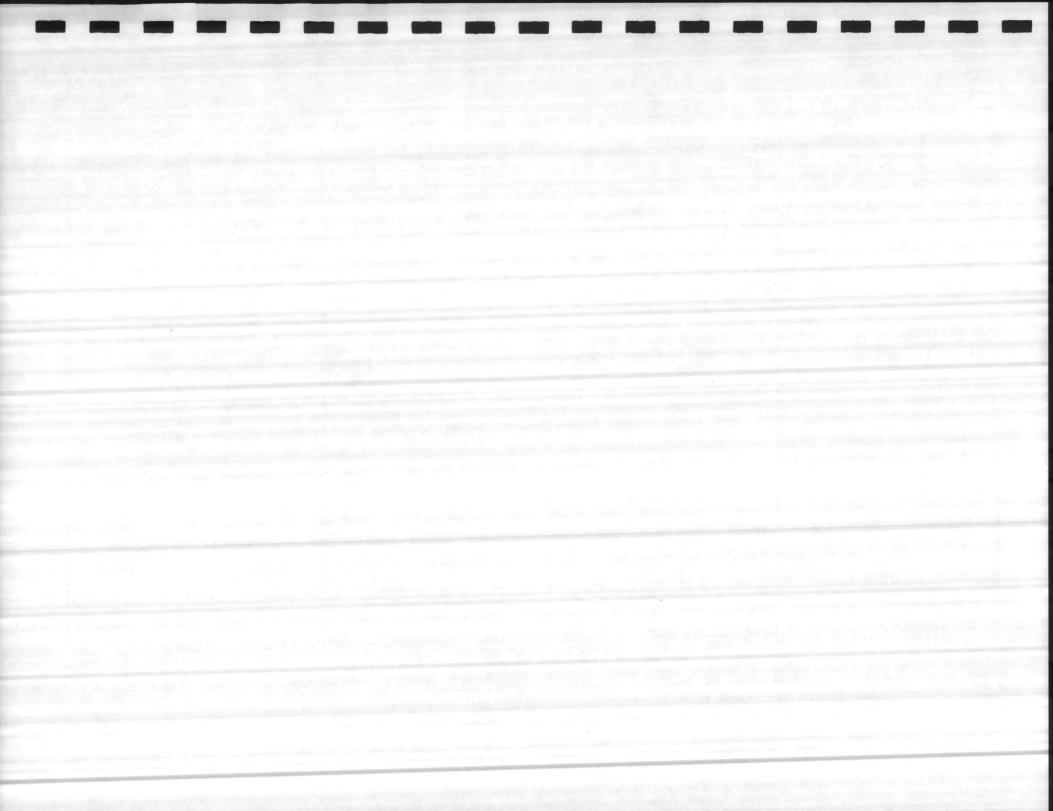
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LATAR RANGE/FACILITY INVENT	ORY DATA	FORM	(LFRTS-P-0001)	(CONTINUED)
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1 1 		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	34		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	300		
Number of Days per Year the Range/Facility is Available	350		
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

FILE NAME: LP010038 PAGE 4 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

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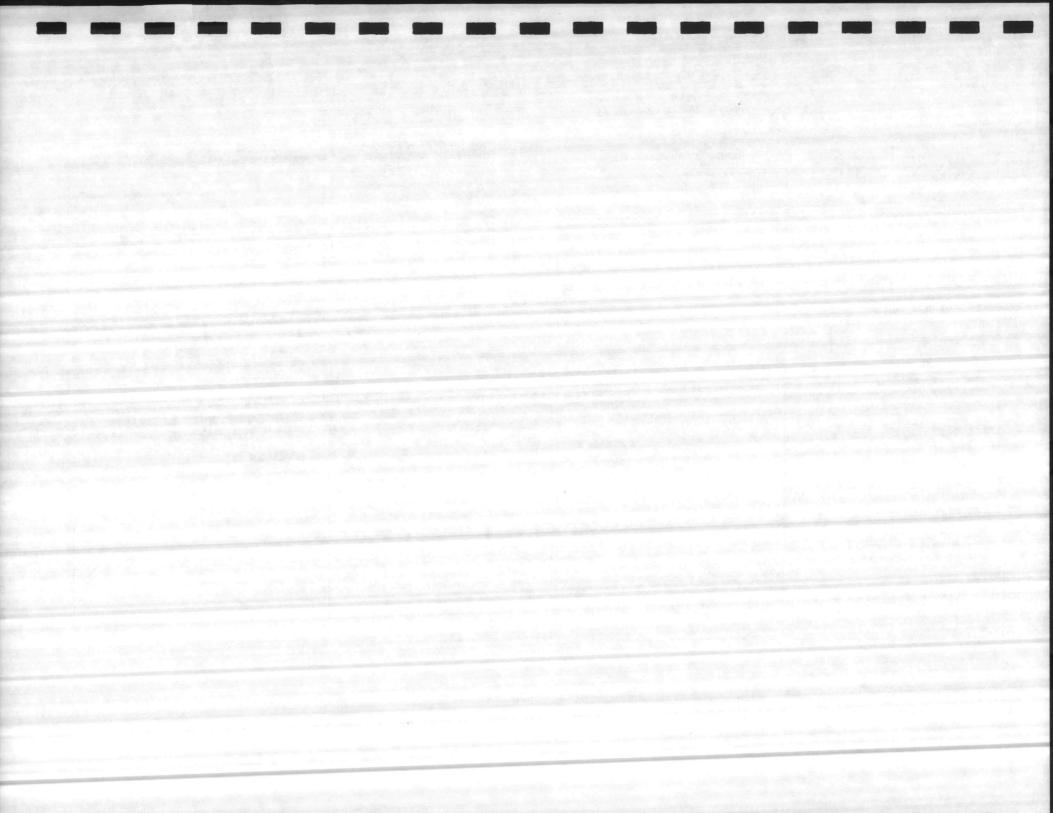
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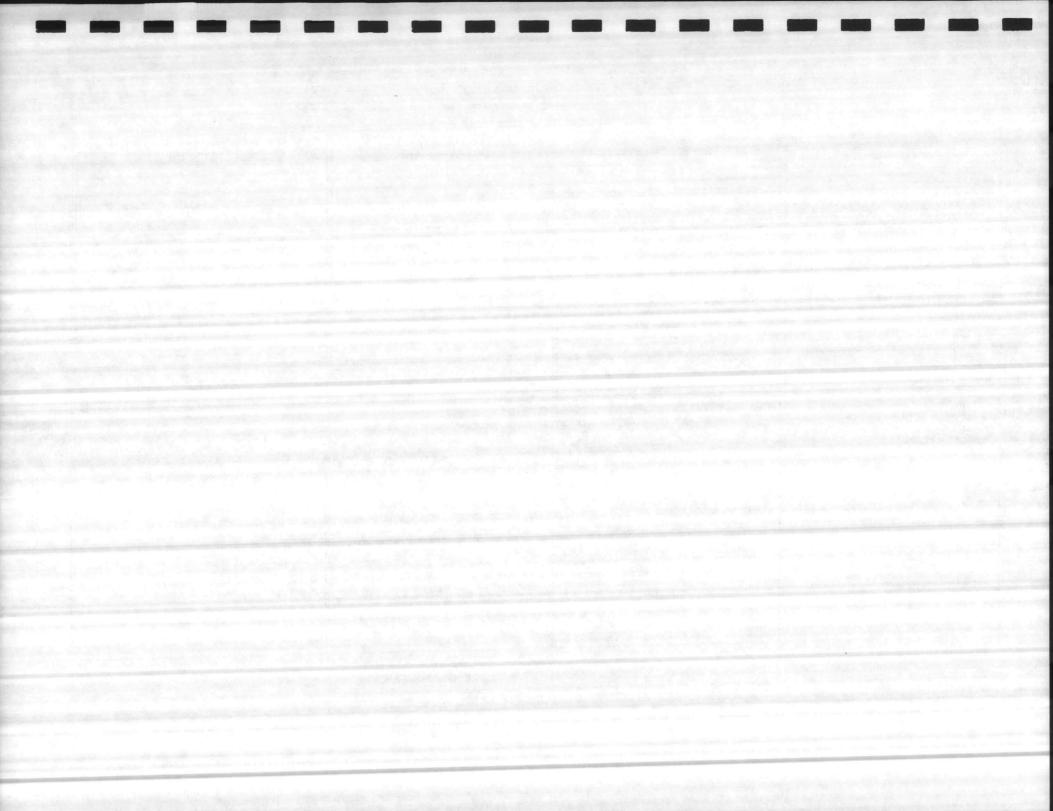
PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
15 15	0	0
NA		
NA		
NA		
	15 15 	15

FILE NAME: LP010038 PAGE 5 OF 6 DATE: 03/05/87

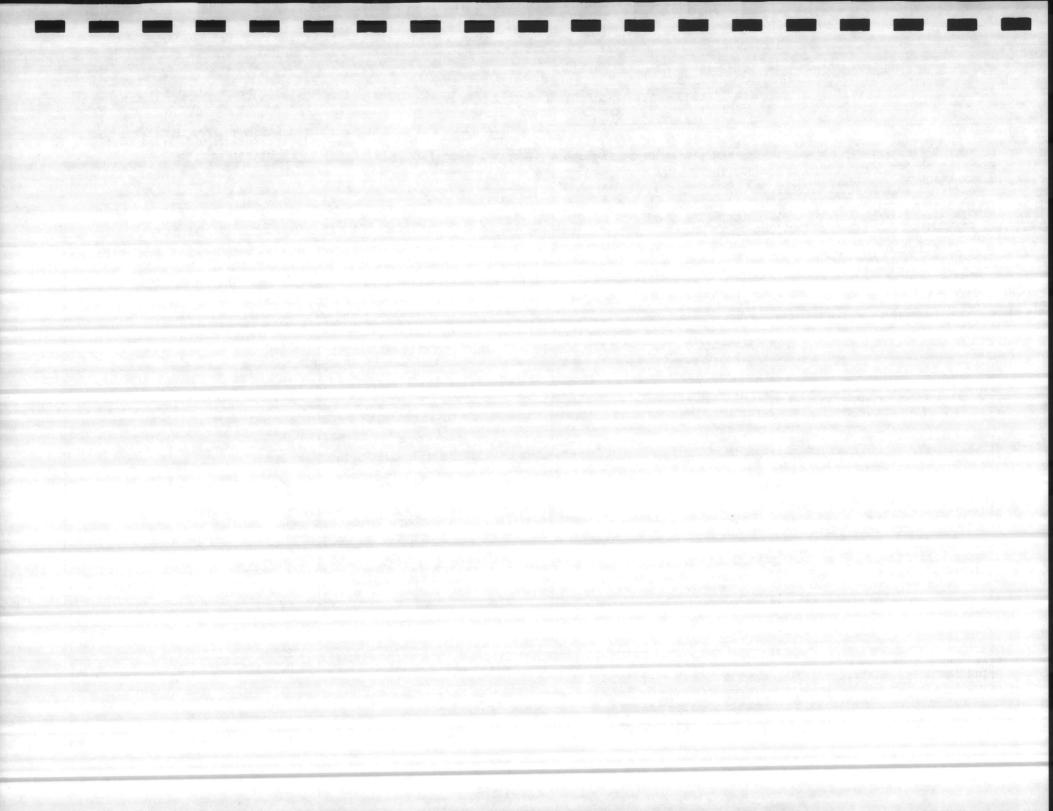
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr

LFRTS-P-0001

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PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
. X Woodpecker habitat		
	X Woodpecker habitat	PRESENT CHARACTERISTICS (INCLUDE YEAR)



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

RANGE NAME AND LOCATION: K-303 Fire and Mortar Firing Range, MCB, Camp Lejeune, NC Fire and Mortar Firing Range INSTRUCTIONS:

 TYPE RANGE FACILITY:

 X
 Live-Fire Full Caliber

 Live-Fire Subcaliber

 Simulator

 Maneuver Area

 Associated Air Space

 Other

1

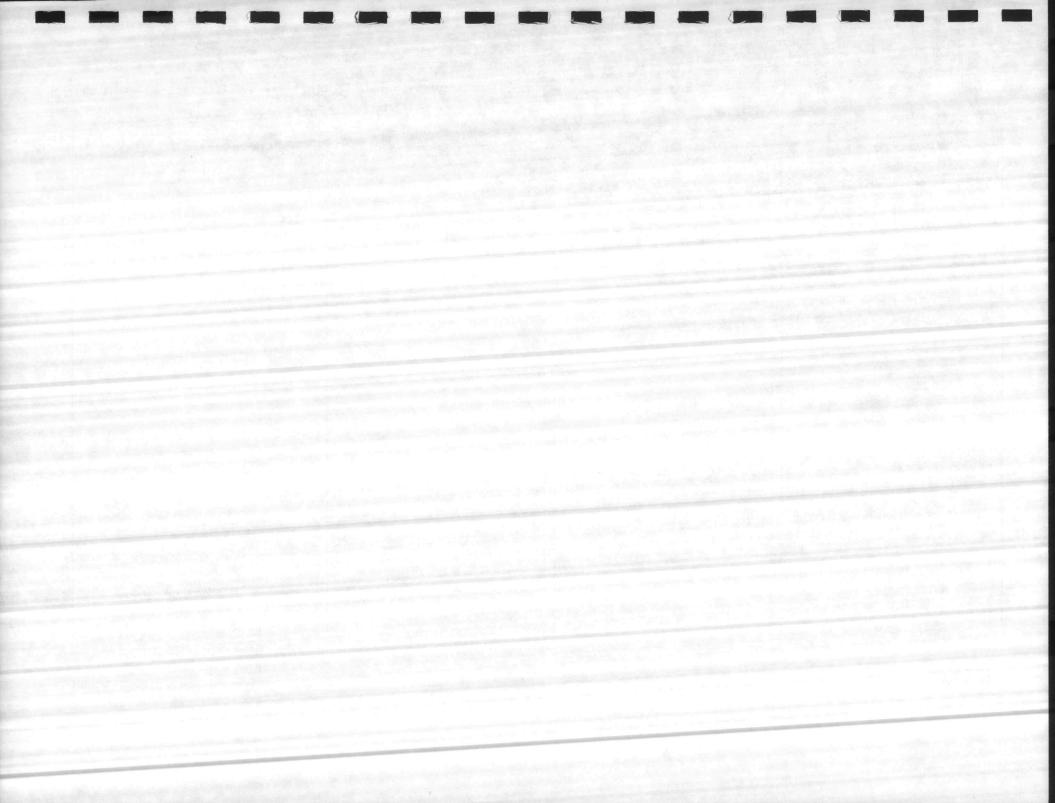
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-- One form for each range/facility/simulator

-- Fill in data elements as appropriate

-- Use right column for new or improved ranges needed

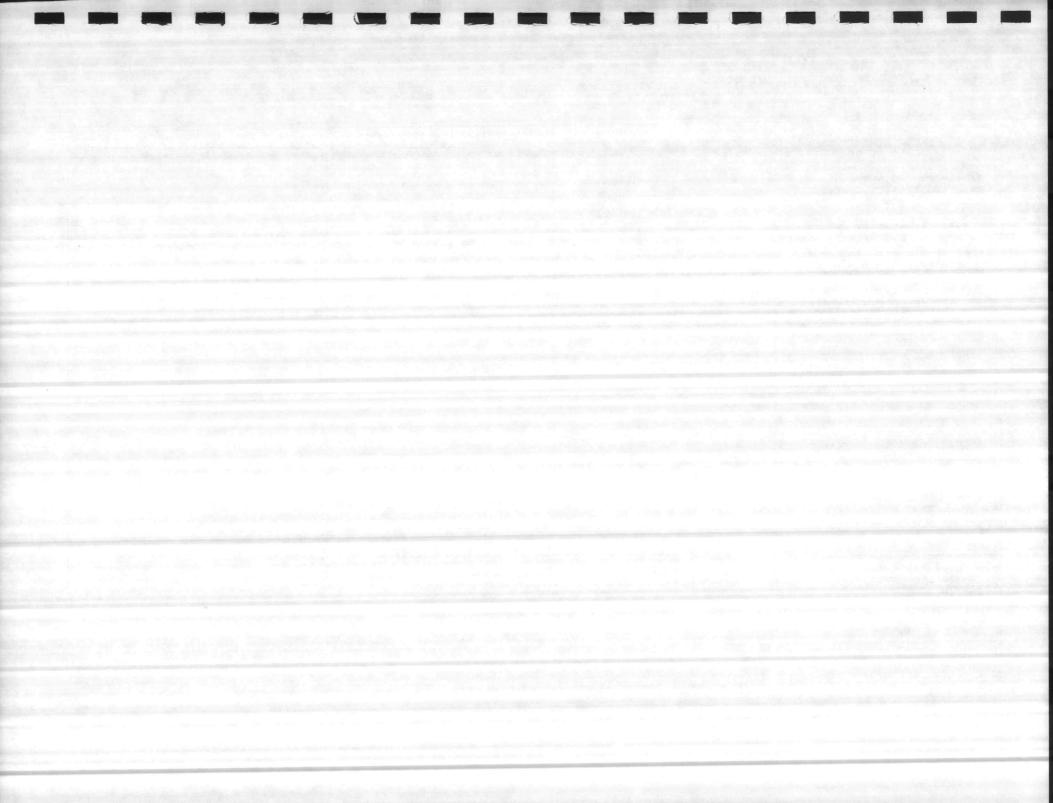
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km)	2.2 X 1.3		
Primary Direction of Fire	3321 MILS/187 degrees		
Associated Air Space	To 17,999 ft; 399 sq km		
Coordinates	TP796359		
Safety Buffer Rear (km) Sides (km) Altitude (ft)	and the second		•
Number of Firing Points/ Stations	6		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area	X		
Viewing Area			
TILE NAME: LP010039 PAGE 1 OF 6 DATE: 03/05/87	RANGE/FACILITY MANAGER: D.	J. Hashagen, Sr	



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site Other	X	•	
Celemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Carget Types Pop-up Stationary Moving Revolving Other	x		•
Are There Associated Simulation Devices? Yes, No, NA	NA		

PAGE 2 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001



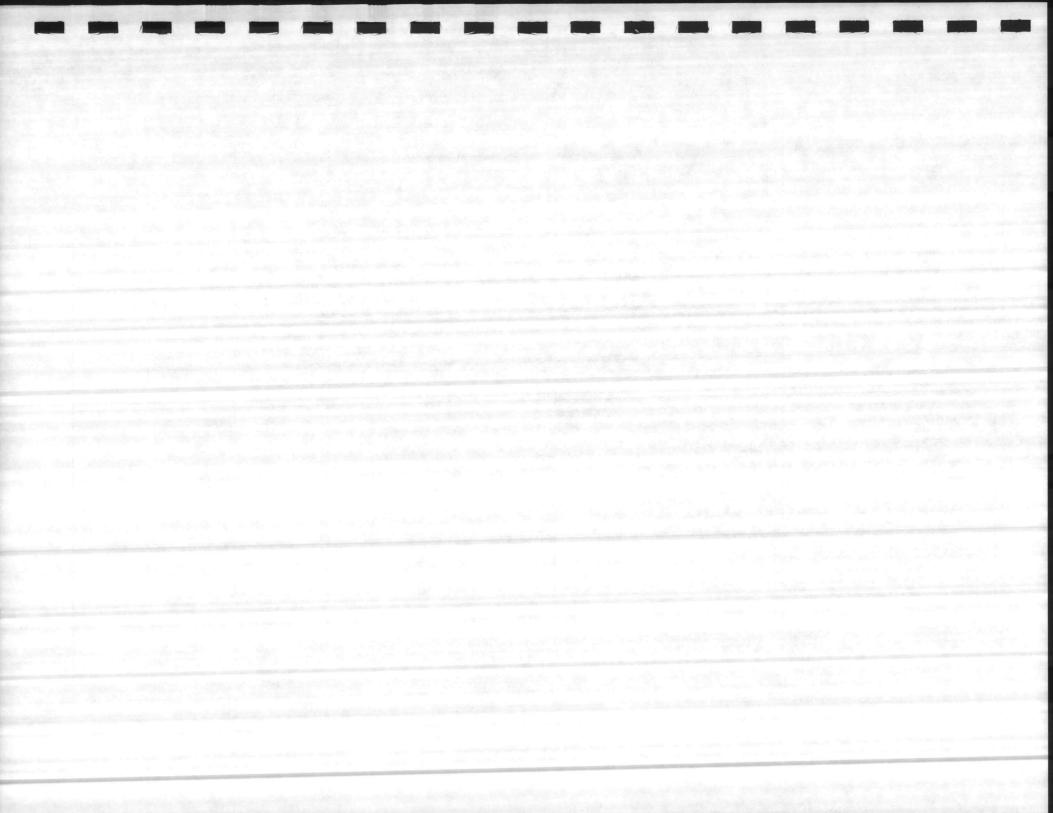
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	M16, M60, SAW, M203, 1/4-1b demolitions, 60-mm, 81-mm		
Climate Seasonal Tropic Temperate Arctic. Desert. All-Weather (Indoor) Other		NOT APPLICABLE	NOT APPLICABLE
Cerrain TypePercentage MountainousPercentage RollingPercentage SwampPercentage DesertPercentage BeachPercentage LevelPercentage Water	100	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	100	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010039 PAGE 3 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas			
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	14 34 14 		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	750		
Number of Days per Year the Range/Facility is Available	360		
Is Range/Facility Capable of Nighttime Use? Yes, No	 No	· · · ·	

FILE NAME: LP010039 PAGE 4 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

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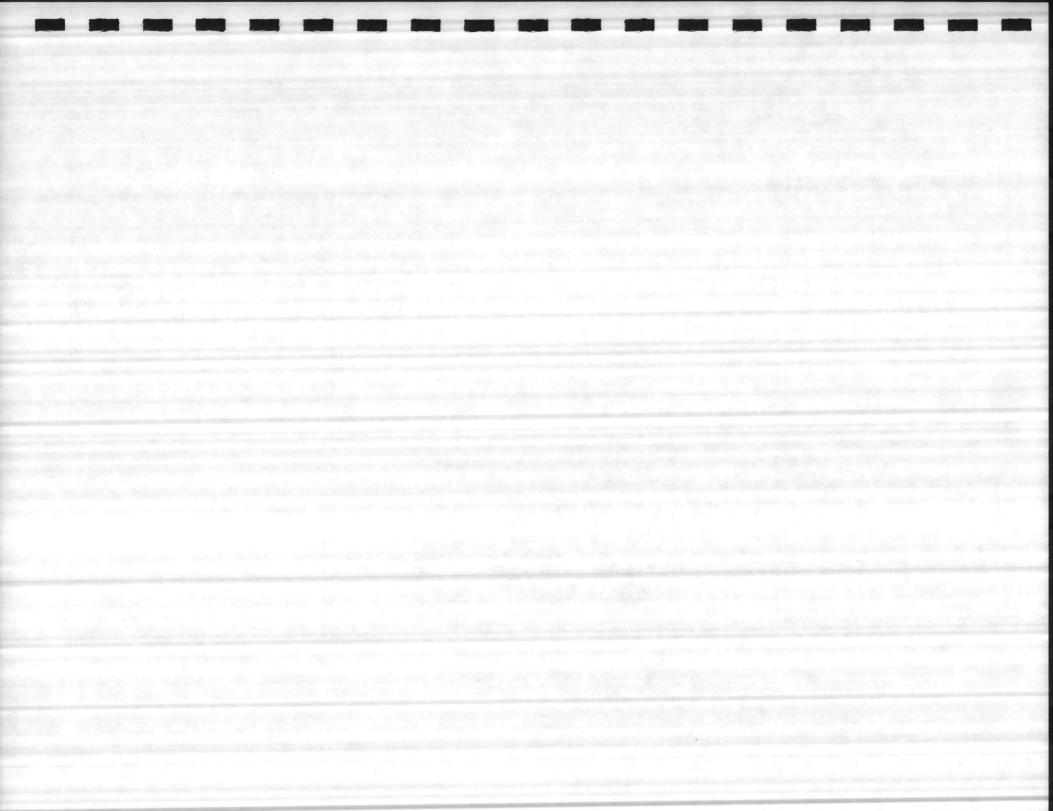
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total. Maintenance. Weather. Budget. Fire Condition/Weather. Weekends/Holidays. Other.	5	0	0
Other Ranges Which Must Be Closed When This Range is in Use	 K-304		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes No downrange movement		
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	Yes No fire zone		

FILE NAME: LP010039 PAGE 5 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

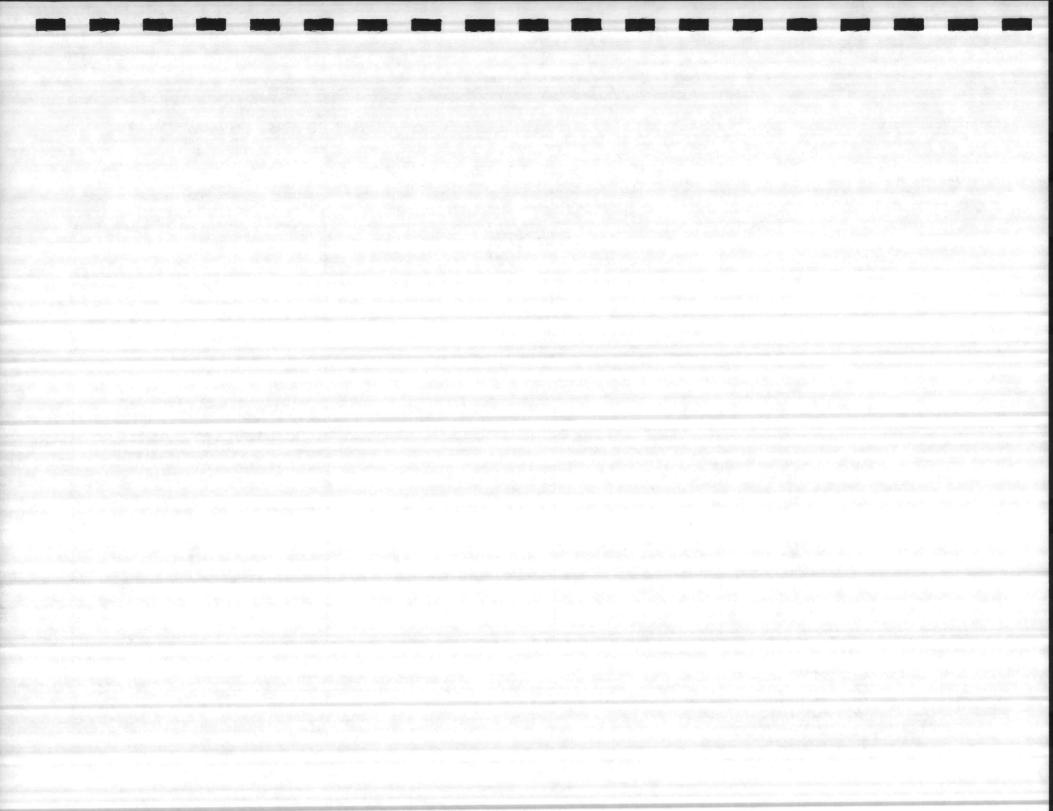
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estrictions on Range Use EnvironmentalX Woodpecker habitat AICUZ FAA Noise Gas/Chemical Pyrotechnics/Flare Time of Day Other	
Time of Year	
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SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

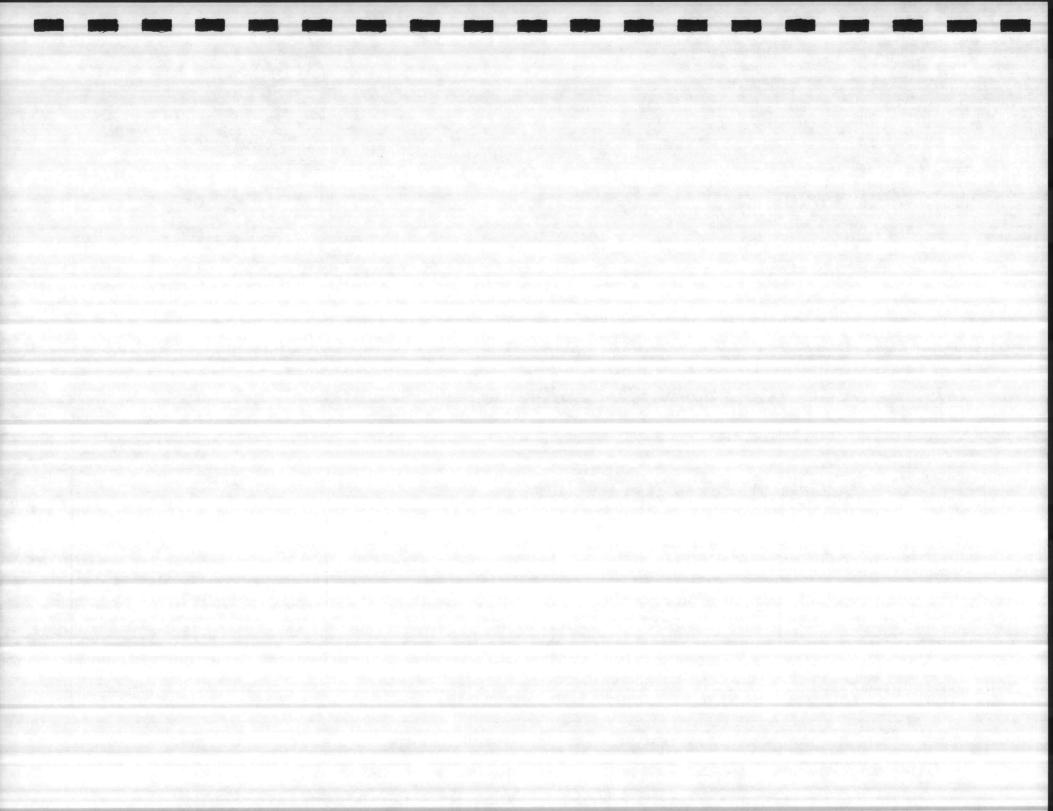
RANGE NAME AND LOCATION: K-304 Helicopter Door Gunnery Range, MCB, Camp Lejeune, NC Helicopter Door Gunnery Range INSTRUCTIONS: -- One form for each range/facility/simulator -- Fill in data elements as appropriate -- Use right column for new or improved ranges needed

TY PE	RANGE FACILITY:
X	Live-Fire Full Caliber
	Live-Fire Subcaliber
- Aller	Simulator
Carles I.	Maneuver Area
- Antipation	Associated Air Space

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Other

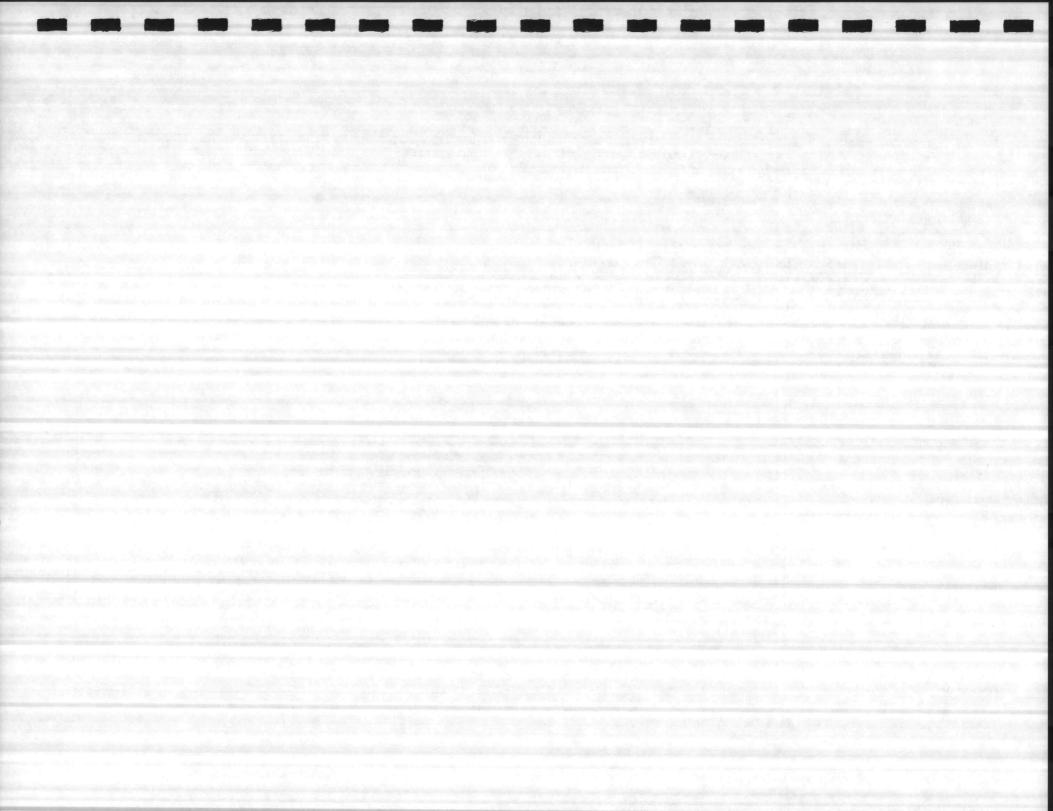
PRESENT CHARACTERISTICS	(INCLUDE YEAR)	(SPECIFY YEAR NEEDED IF APPLICABLE)
1 X .55		
3081 MILS/173 degrees		
To 17,999 ft; 399 sq km		
TP798359		
NA		
NA		
	3081 MILS/173 degrees To 17,999 ft; 399 sq km TP798359 NA	3081 MILS/173 degrees To 17,999 ft; 399 sq km TP798359 NA NA



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site Other			
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Target Types Pop-up Stationary Moving Revolving Other	x		•
Are There Associated Simulation Devices? Yes, No, NA	NA		

FILE NAME: DATE: 03/05/87 PAGE 2 OF 6

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



LATAR RANGE/FACILITY INVENTORY DATA FORM (LE	LFRTS-P-0001) (CONTINUED)	
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PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
M6 0		
x	NOT APPLICABLE	NOT APPLICABLE
100	NOT APPLICABLE	NOT APPLICABLE
 100	NOT APPLICABLE	NOT APPLICABLE
	M60 x 100	PRESENT CHARACTERISTICS (INCLUDE YEAR) M60

FILE NAME: LP010040 PAGE 3 OF 6 DATE: 03/05/87

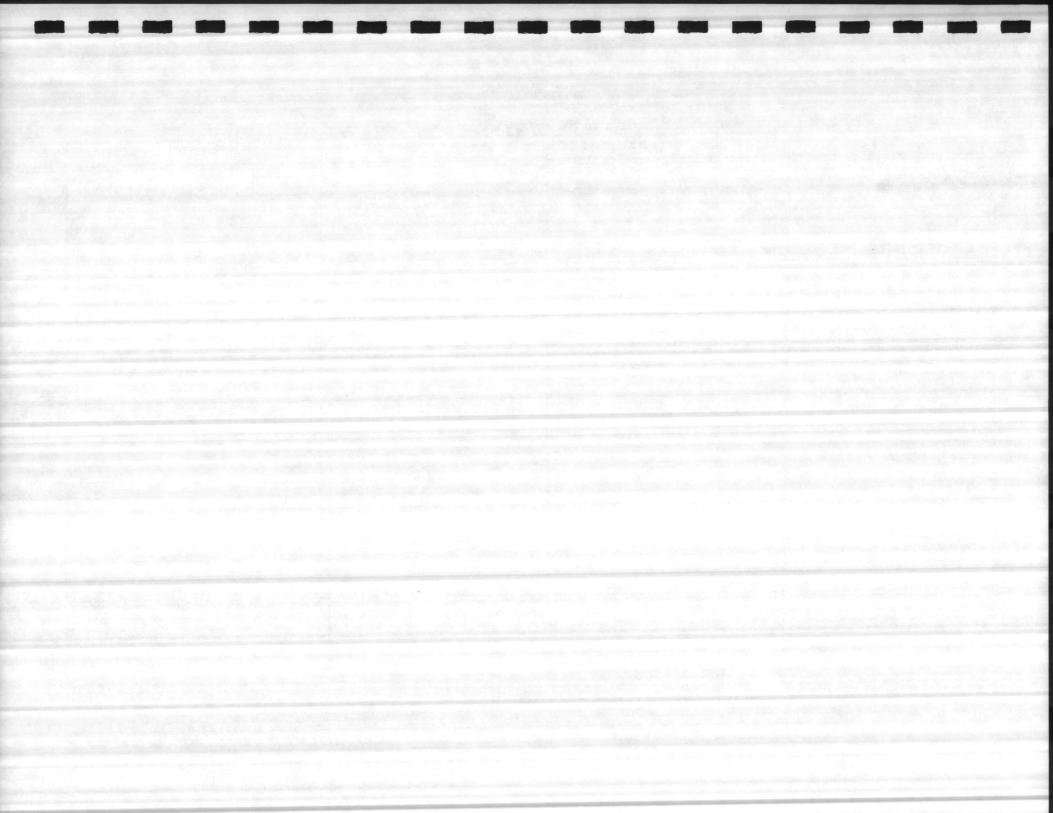
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100	· · · · · · · · · · · · · · · · · · ·	
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	34		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	Undefined	······	· · · · · · · · · · · · · · · · · · ·
Number of Days per Year the Range/Facility is Available	360		
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

FILE NAME: LP010040 PAGE 4 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

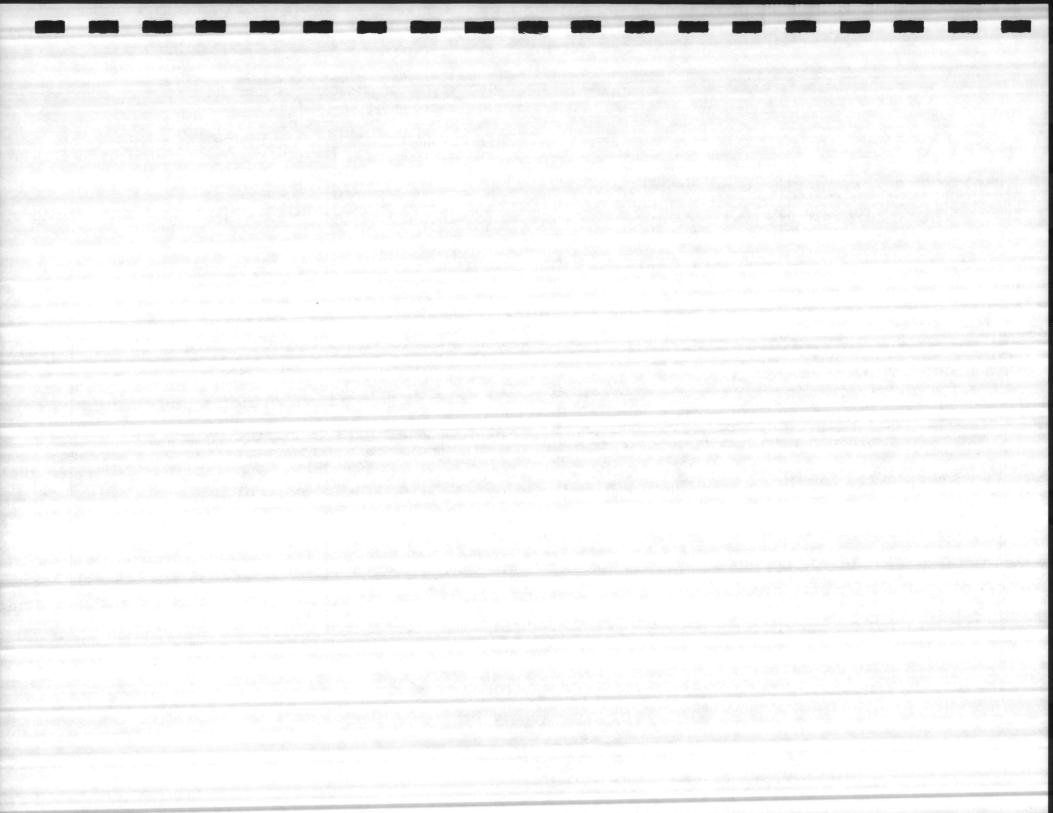
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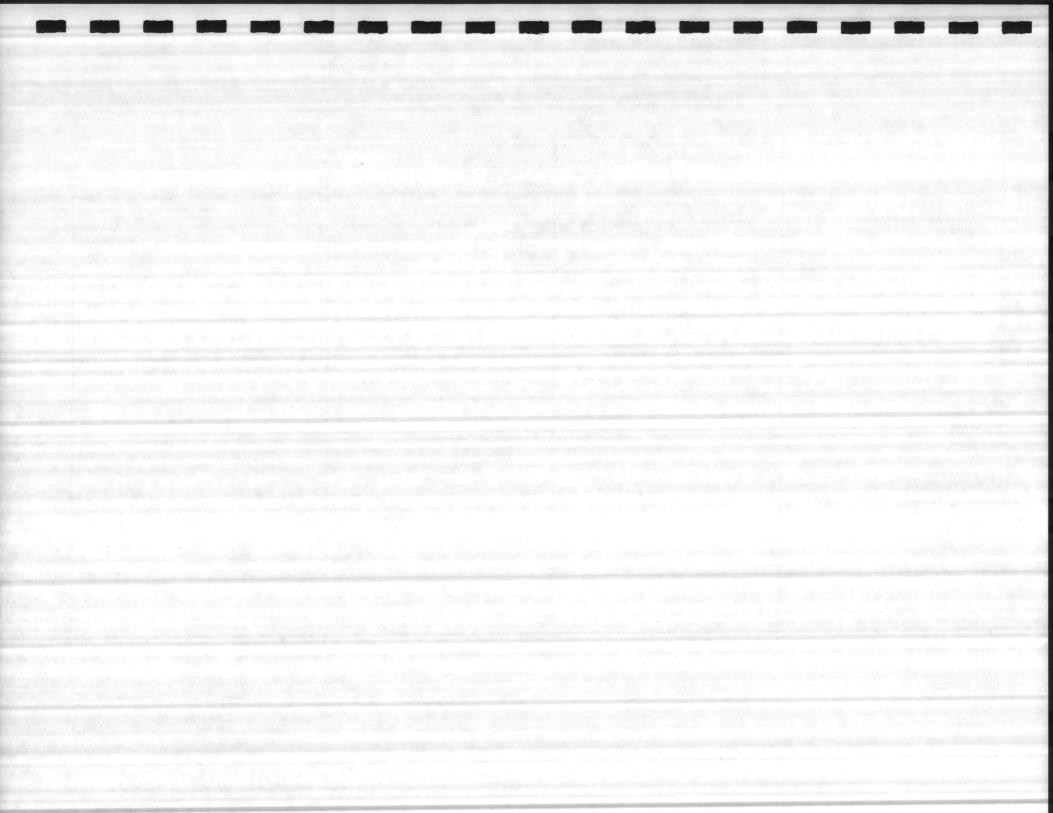


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total. Maintenance. Weather. Budget. Fire Condition/Weather Weekends/Holidays. Other	5	0	0
Other Ranges Which Must Be Closed When This Range is in Use	K-303, K305		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes RSO on ground		
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	NA	•	
Red Harden Contract			

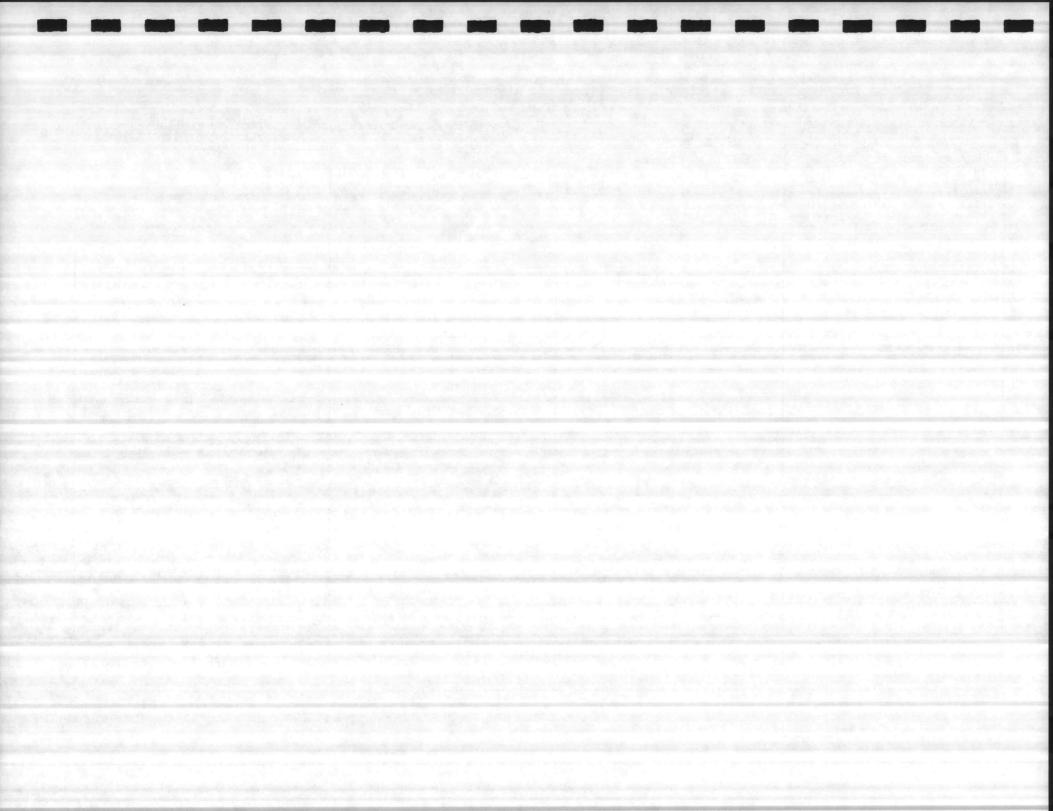
FILE NAME: LP010040 PAGE 5 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Restrictions on Range Use Environmental AICUZ FAA. Noise	X Woodpecker habitat		
Gas/Chemical Pyrotechnics/Flare Time of Day Time of Year Other			
other			



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SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

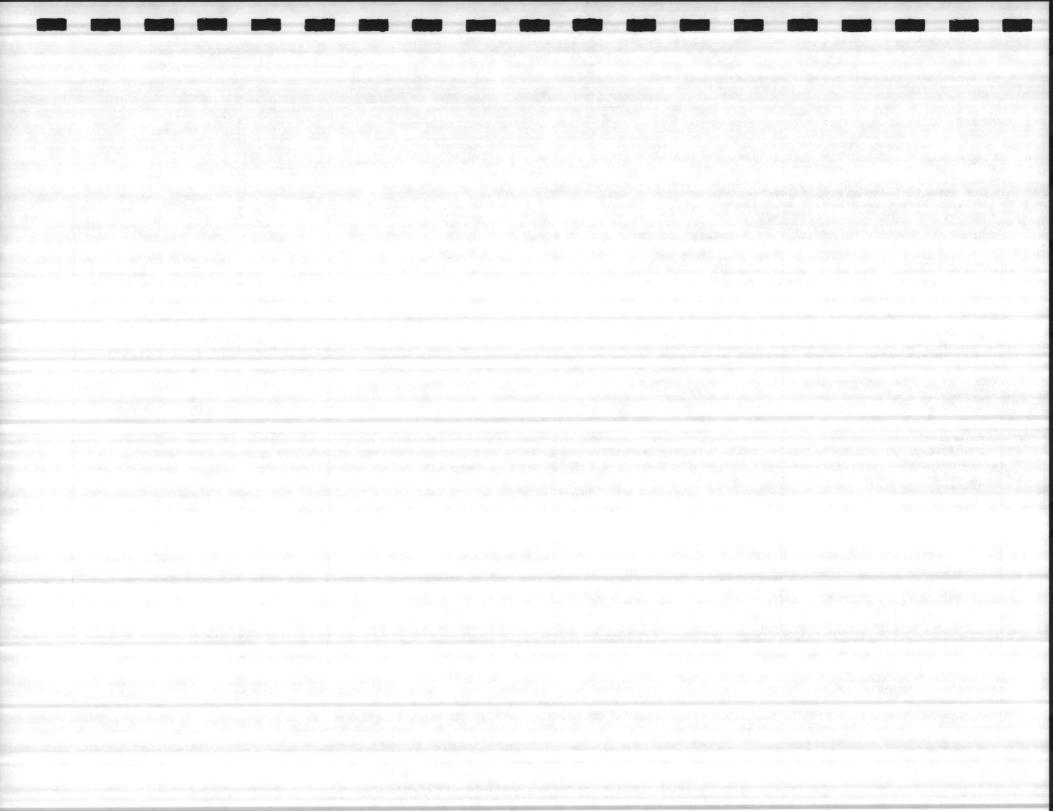
TYPE RANGE FACILITY: Live-Fire Full Caliber X Live-Fire Subcaliber Simulator Maneuver Area Associated Air Space Other

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RANGE NAME AND LOCATION: K-305 Infantry Weapons Demonstration Range, MCB, Camp Lejeune, NC Infantry Weapons Demonstration Range INSTRUCTIONS:

-- One form for each range/facility/simulator -- Fill in data elements as appropriate -- Use right column for new or improved ranges needed

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Range Shape and Dimensions Dimensions (km)	1.7 X 1.3		
DIMENSIONS (Km)			
Primary Direction of Fire	3119 MILS/175 degrees		
Associated Air Space	To 17,999 ft; 399 sq km		
Coordinates	 TP799359		
coordinates			
			and the second
			-
Safety Buffer Rear (km) Sides (km) Altitude (ft)			
		`	
Number of Firing Points/ Stations	50		
	 		-
Range Facilities Control Tower Communications System	X		
Target Shed Utility Building	the second s		 The state of all or in the state of the stat
Aid Station Parking Area			
Viewing Area			
			-

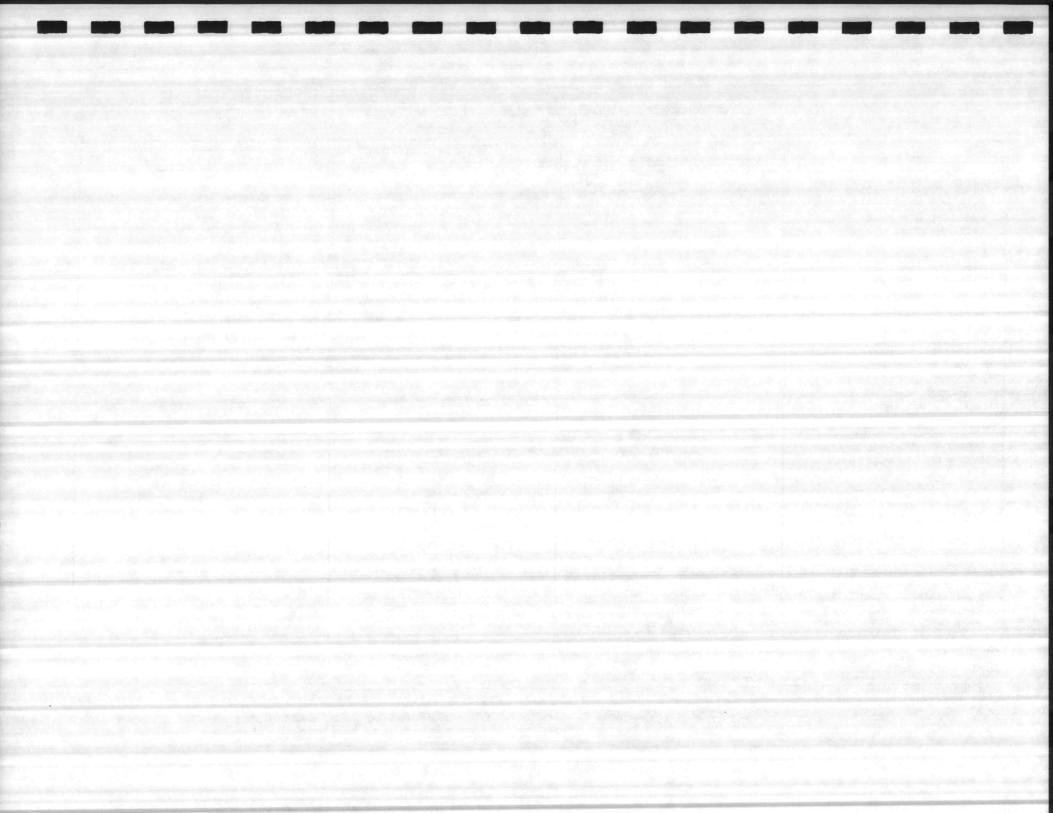


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site Other			
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Target Types Pop-up Stationary Moving Revolving Other	x		•
Are There Associated Simulation Devices? Yes, No, NA	NA		

FILE NAME: LP010041 PAGE 2 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._

LFRTS-P-0001



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range	.38-cal, .45-cal, 9-mm, M16, M60, SAW, MK19, M203, SMAW, M72 LAW, M73 LAW, 60-mm, 81-mm, Dragon, 1/4-lb demolitions, M40A1		
Climate Seasonal Tropic Temperate Arctic. Desert All-Weather (Indoor) Other		NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water		NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other		NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010041 PAGE 3 OF 6 DATE: 03/05/87

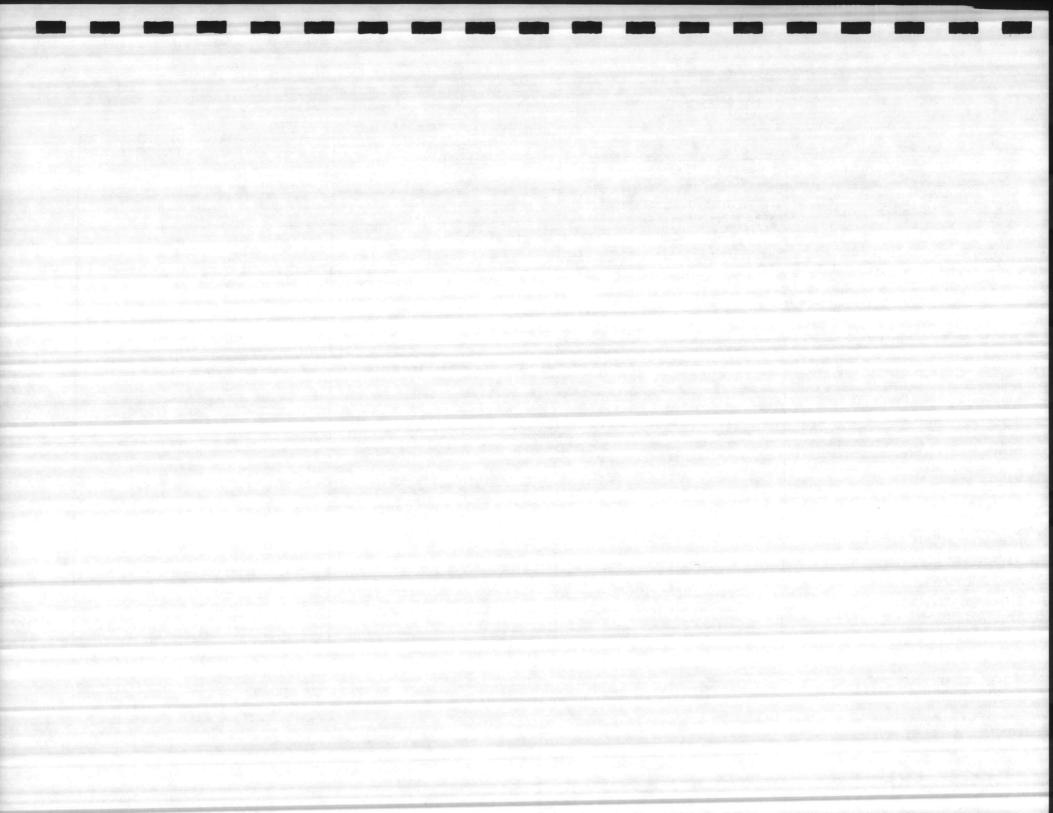
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

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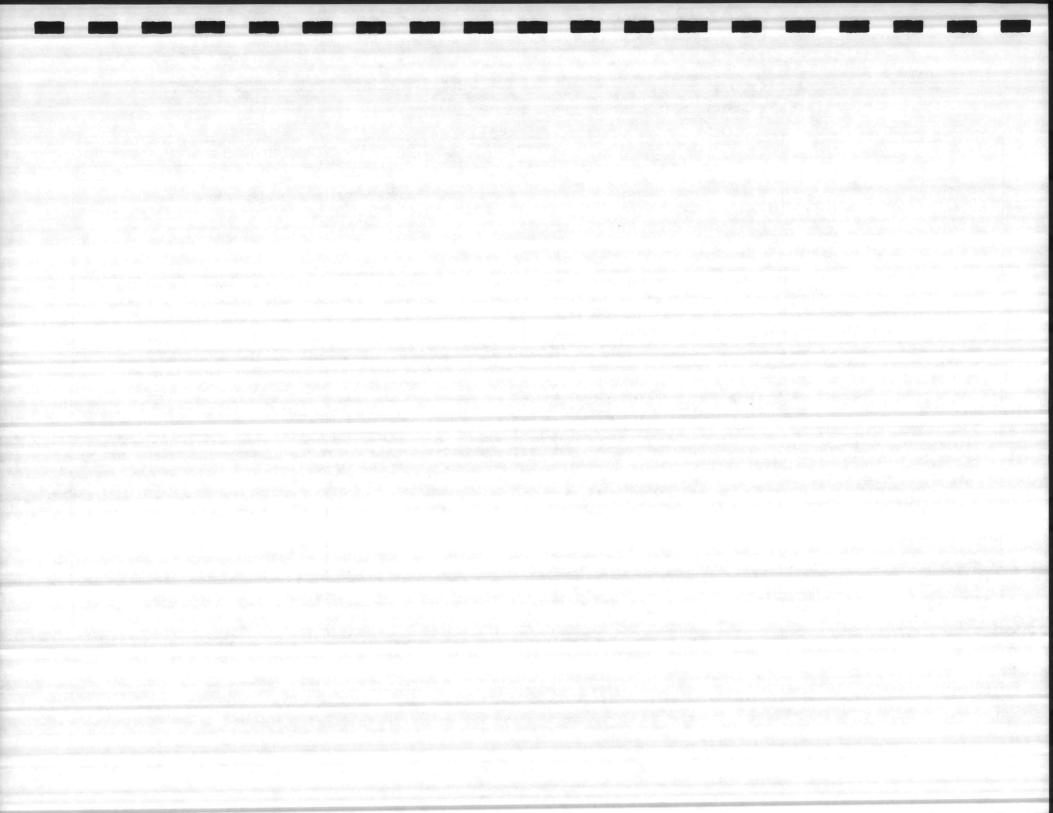


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100	·····	
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	35		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	750		
Number of Days per Year the Range/Facility is Available	355		
Is Range/Facility Capable of Nighttime Use? Yes, No	Yes		

FILE NAME: LP010041 PAGE 4 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	10 10	0	0
Other Ranges Which Must Be Closed When This Range is in Use	K-304		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes During special demonstrations, Ranges K-309, K-315, K-319, K-321, K-322, K-325, and all 200- to 400-series ranges wil be evacuated		· · · · · · · · · · · · · · · · · · ·
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	NA		

FILE NAME: LP010041 PAGE 5 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

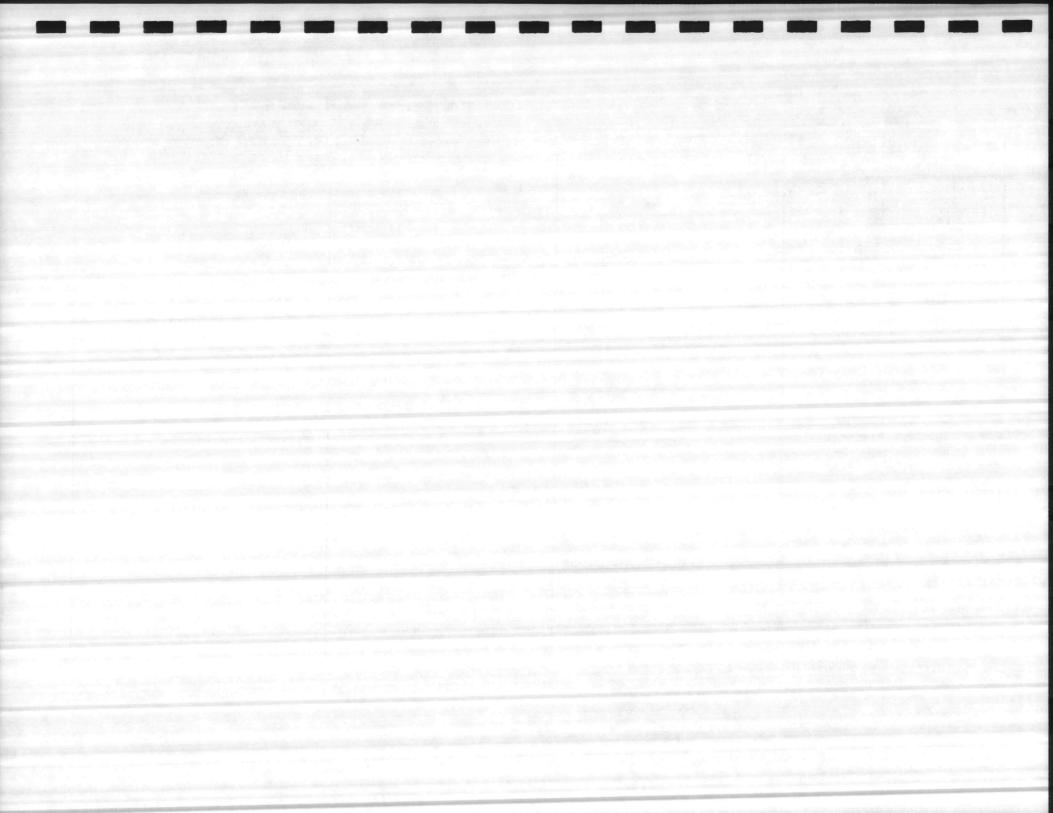
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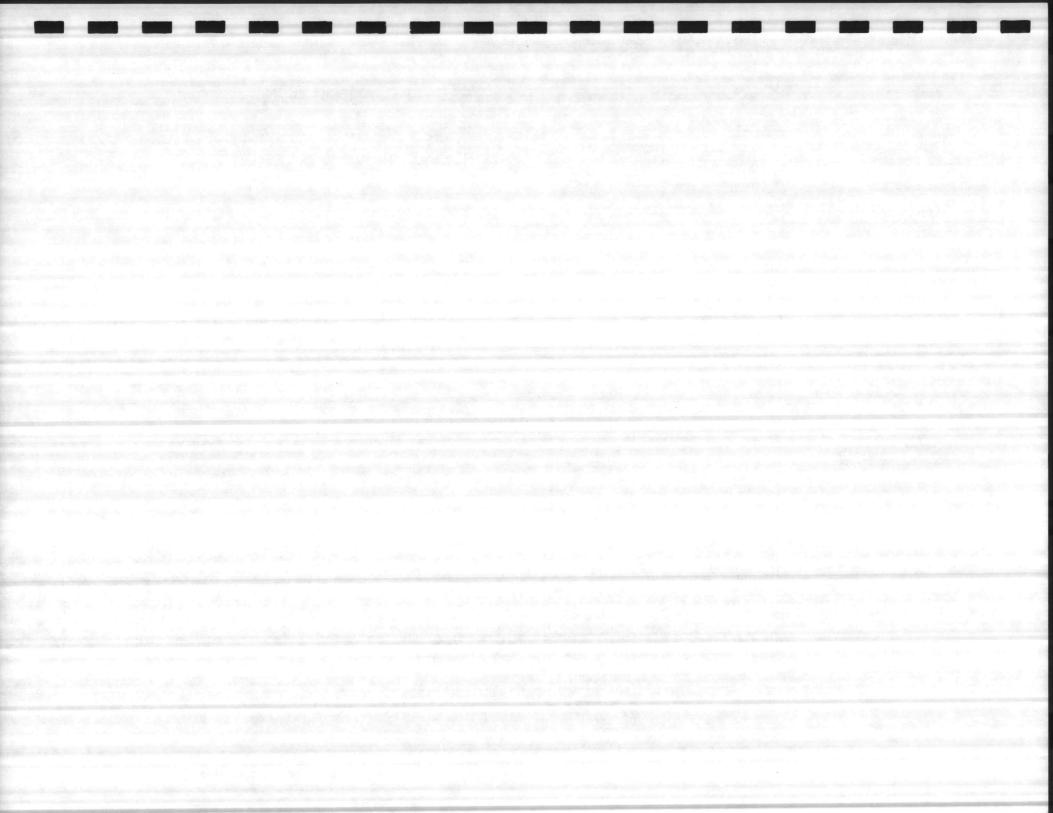
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
AICUZ FAA Noise Gas/Chemical	X Bordering woodpecker habitat		
Pyrotechnics/Flare Time of Day Time of Year Other			
LLE NAME: LP010041 AGE 6 OF 6 DATE: 03/05/87	RANGE/FACILITY MANAGER: D. C		LFRTS-P-00



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

RANGE NAME AND LOCATION: K-309 Machine Gun and LAW Range, MCB, Camp Lejeune, NC Machine Gun and LAW Range INSTRUCTIONS:

-- One form for each range/facility/simulator

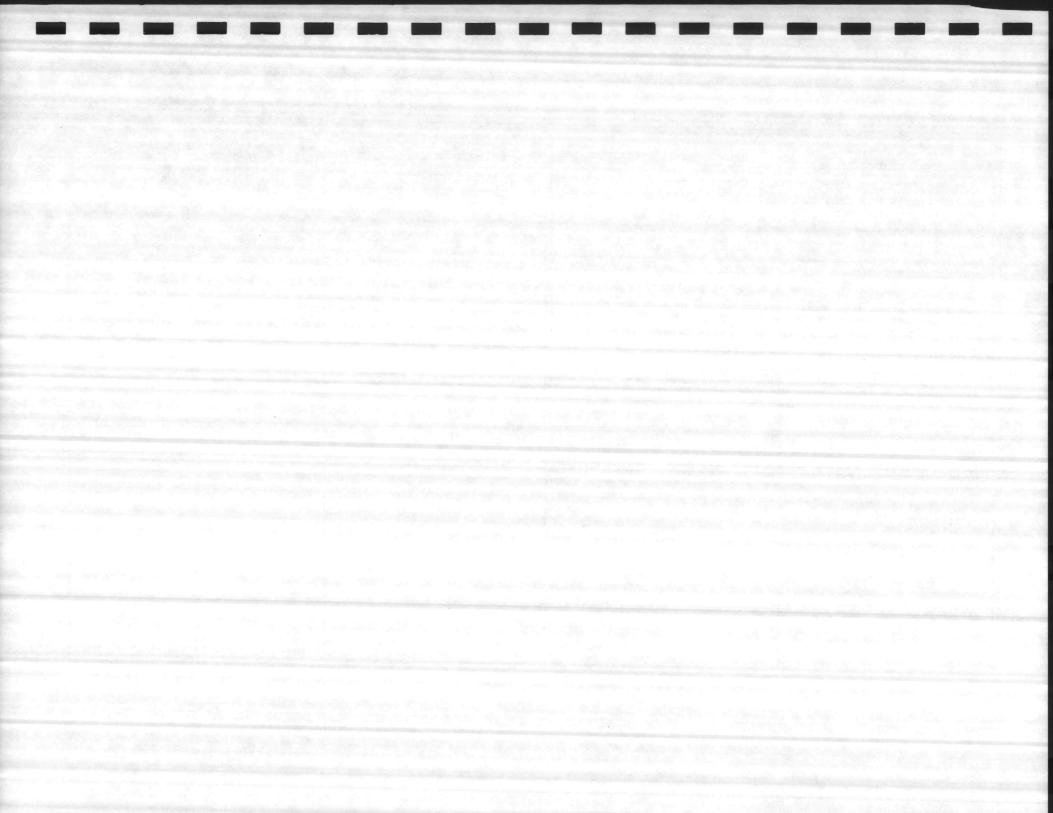
-- Fill in data elements as appropriate

-- Use right column for new or improved ranges needed

TY PE	RANGE FACILITY:
X	Live-Fire Full Caliber
Cales 11	Live-Fire Subcaliber
and the second second	Simulator
	Maneuver Area
Sec. Participation	Associated Air Space
	Other
	- Western Street and a street of the second street

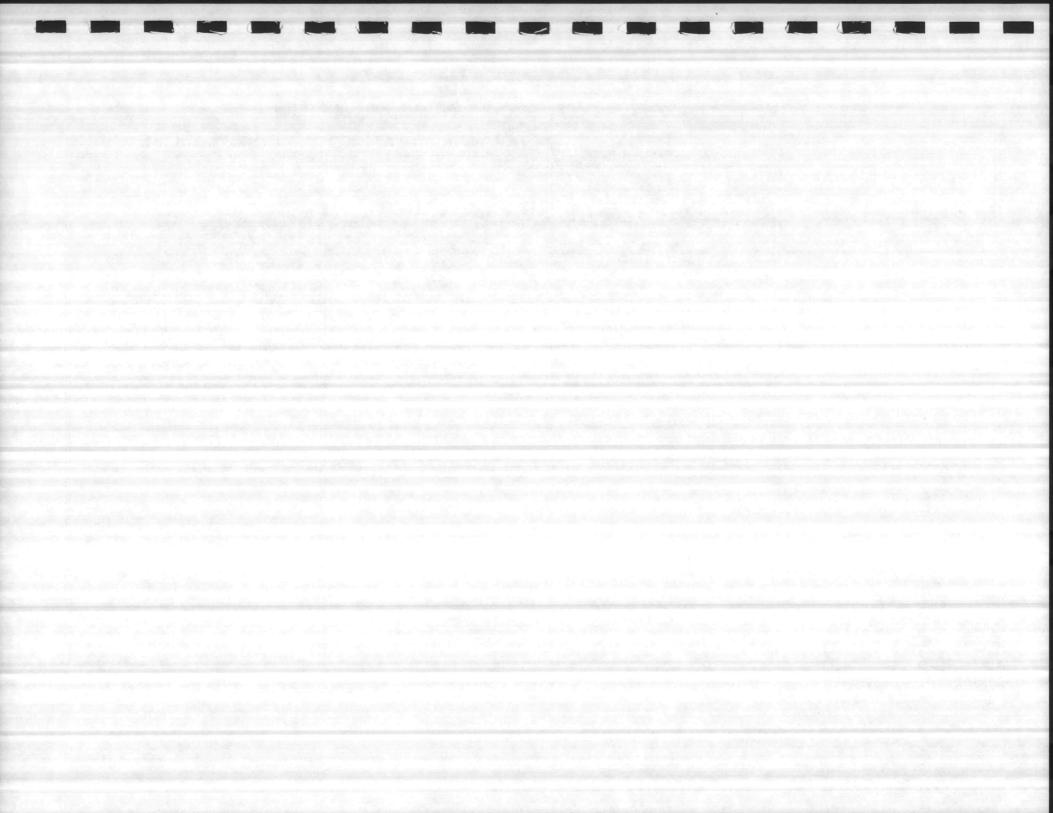
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96 degrees ; 399 sq km W subcaliber		
; 399 sq km		
W. subcaliber		
W subcaliber		
W subcaliber		
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Range Facilities (continued)Demonstration AreaHead FacilityAmmunition BunkerWater SystemElectrical SystemClassroomBivouac SiteOther			
Pelemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Target Types Pop-up Stationary Moving Revolving Other	x		•
Are There Associated Simulation Devices? Yes, No, NA			
Simulation Devices?			

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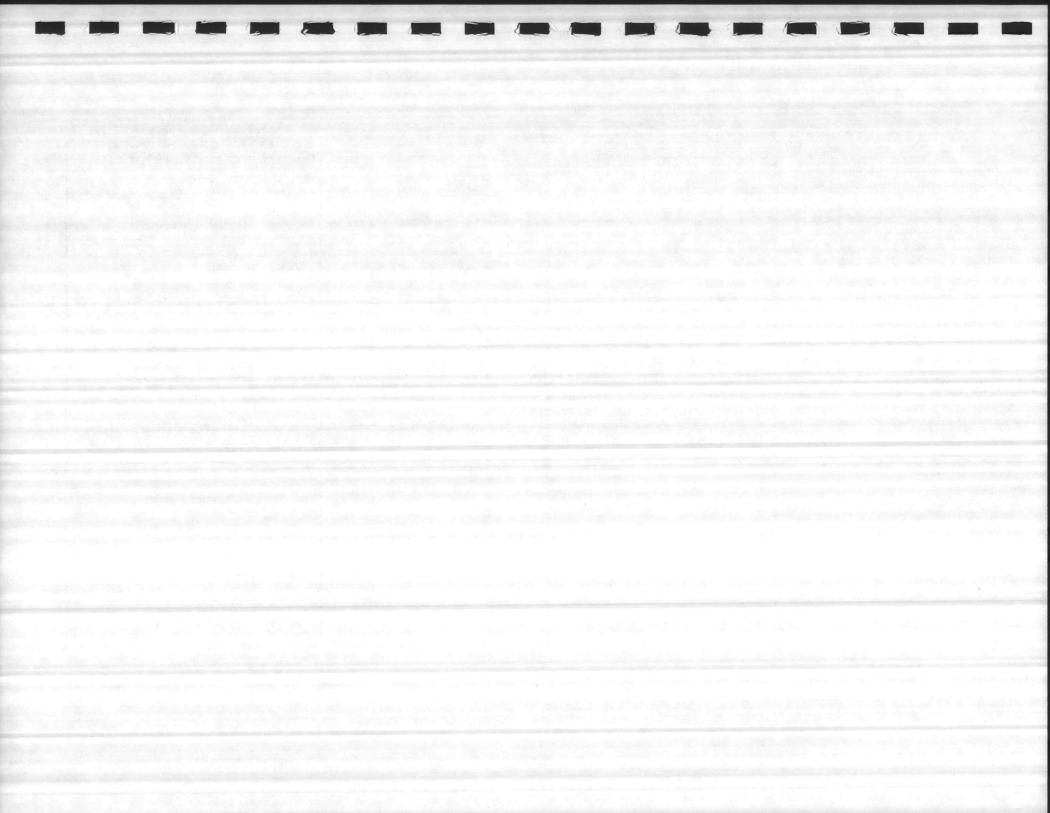


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NOT APPLICABLE	NOT APPLICABLE
	NOT APPLICABLE
NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010042 PAGE 3 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001



1.1	LATAR	RANGE/FACI	LITY INVE	INTORY DATA	A FORM	(LFRTS-P-000	01) (CONTINUED)	
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE	
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100			
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1			
Distance from Supply Points POL (km) Ammunition (km) Rations (km)				
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	300			
Number of Days per Year the Range/Facility is Available	355			
Is Range/Facility Capable of Nighttime Use? Yes, No	No			

FILE NAME: LP010042 PAGE 4 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

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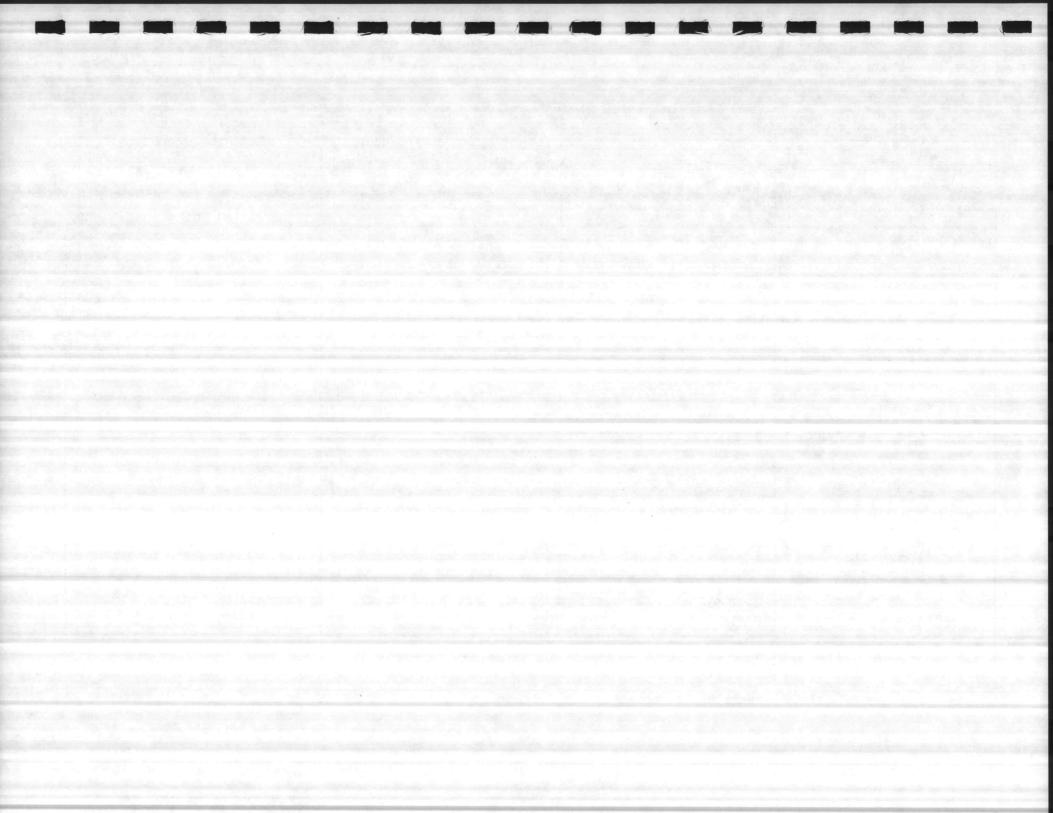
	Savironmental
	ALCUS
	Gas/Chewical Pyrotecinica/Place
	PAGE 6 02 6 0ATE: 03/05/87

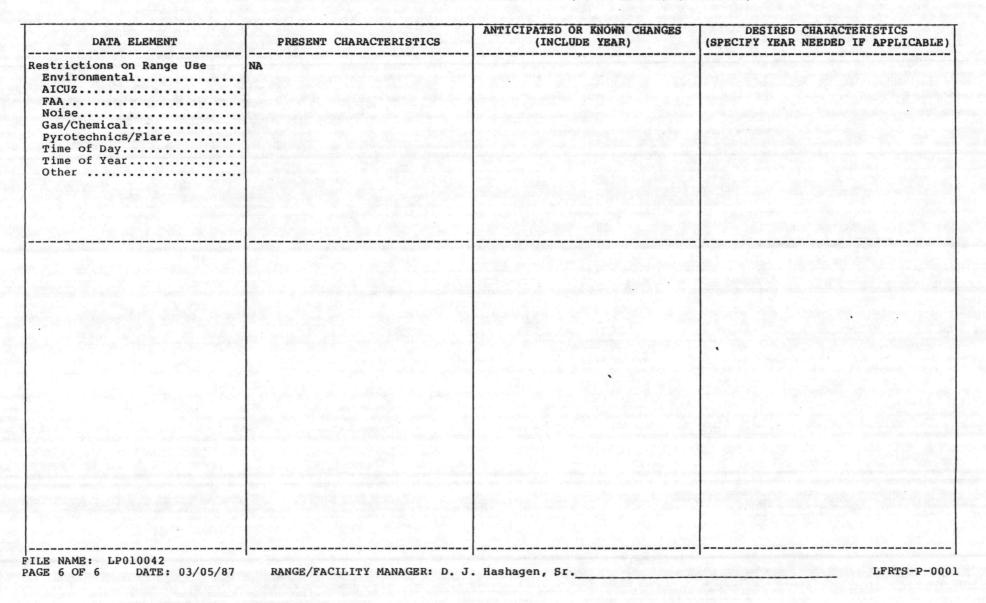
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	10	0	0
Other Ranges Which Must Be Closed When This Range is in Use	NA		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes RSO accompanies units downrange during fire and movement exercises		
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	Yes Limit of advance is 80 m within the no fire zone		

FILE NAME: LP010042 PAGE 5 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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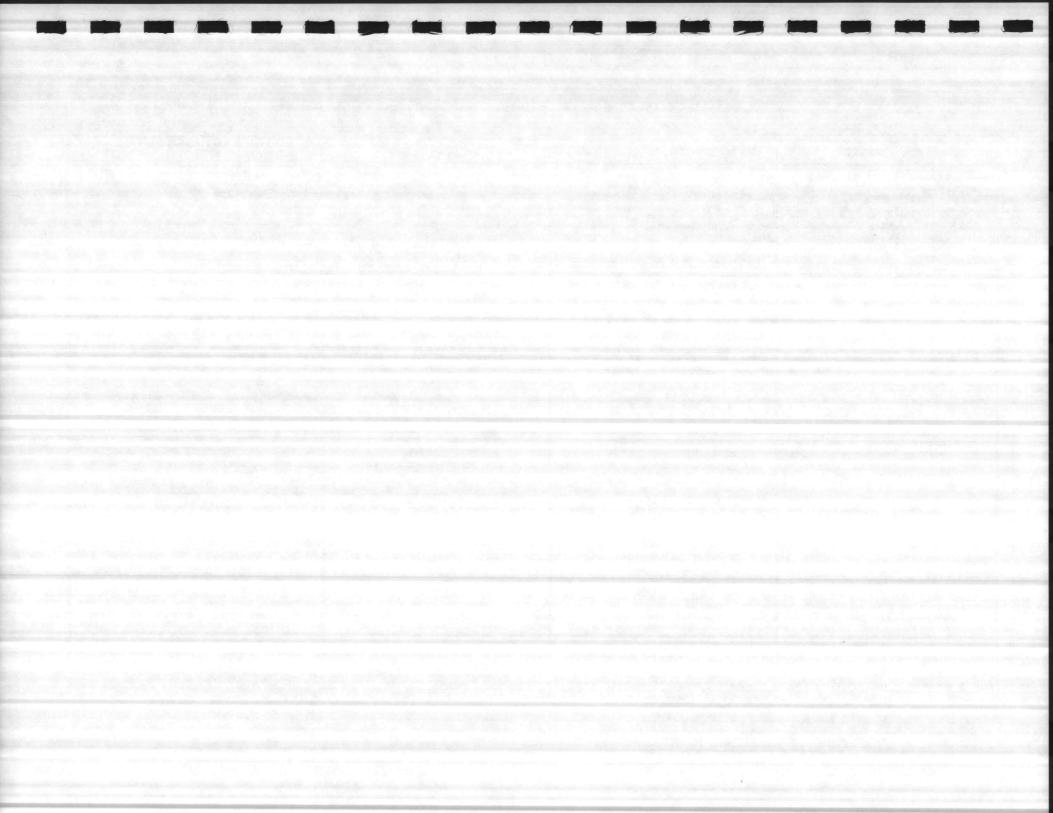
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SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

RANGE NAME AND LOCATION: K-315 Night and Combat Field Firing Range, MCB, Camp Lejeune, NC Night and Combat Field Firing Range INSTRUCTIONS:

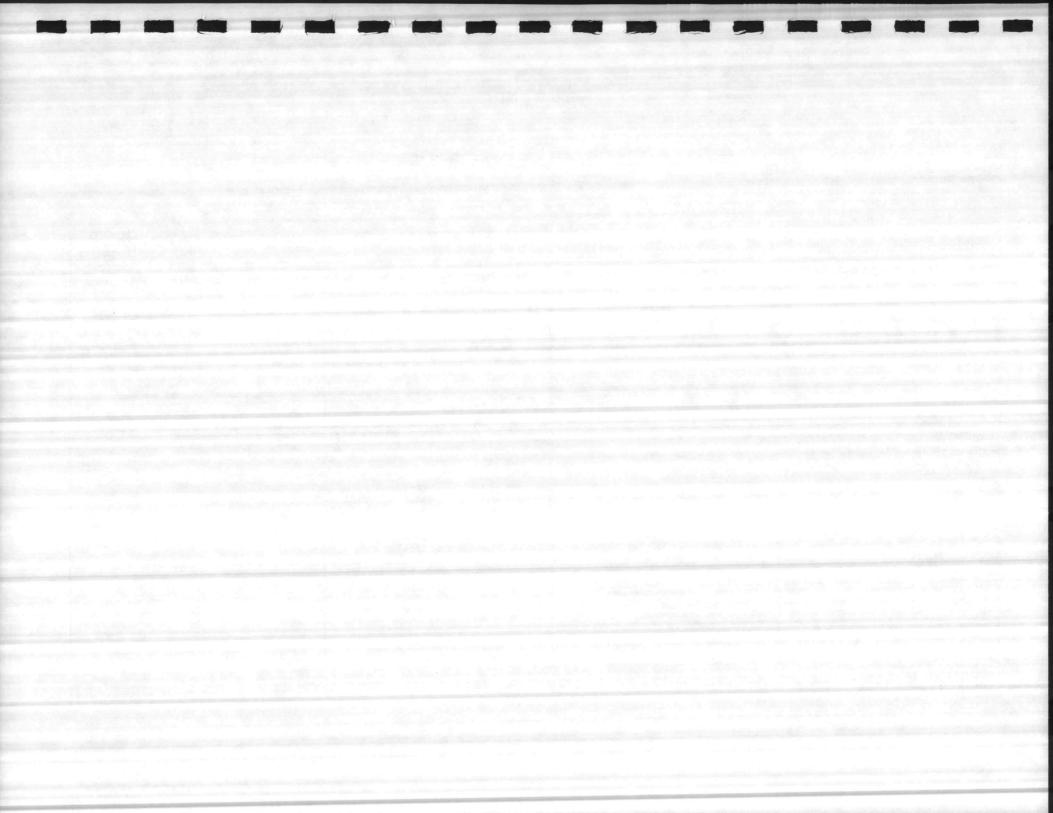
-- One form for each range/facility/simulator -- Fill in data elements as appropriate -- Use right column for new or improved ranges needed

LIPP	RANGE FACILITI:
х	Live-Fire Full Caliber
	Live-Fire Subcaliber
	Simulator
	Maneuver Area
	Associated Air Space

TVDE DANCE EACTI TOV

Other

PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
1.3 X 1.3 3194 MILS/180 degrees To 17,999 ft; 399 sq km		
TP809359		
 NA		· ·
12		
x x x		
	1.3 X 1.3 3194 MILS/180 degrees To 17,999 ft; 399 sq km TP809359 NA 12	PRESENT CHARACTERISTICS (INCLUDE YEAR) 1.3 X 1.3 3194 MILS/180 degrees To 17,999 ft; 399 sq km TP809359 NA



DATA ELEMENT	ELEMENT PRESENT CHARACTERISTICS (INCLUDE YEAR)		DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABL	
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site Other	x	•		
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	12 targets		NUT AFFLICABLE	
Target Types Pop-up Stationary Moving Revolving Other	x			
Are There Associated Simulation Devices? Yes, No, NA	NA		NOT APPLICASLA	

FILE NAME: LP010043 PAGE 2 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

		Tropic,	
		Ril-Westner (Indoor)	
	100	Terrain Type Percentage Mountainoum	
		Peroentaje Swalp Percentage Desert Percentage Seach Percentage Level Percentage Water	
		Perdentage Doamy	

LE MAREL LPOIDES

860-9-2799.7

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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	.38-cal, .45-cal, 9-mm, M16, shotgun		
Climate Seasonal Tropic Temperate Arctic Desert All-Weather (Indoor) Other	x	NOT APPLICABLE	NOT APPLIÇABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	100	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other		NOT APPLICABLE	NOT APPLICABLE

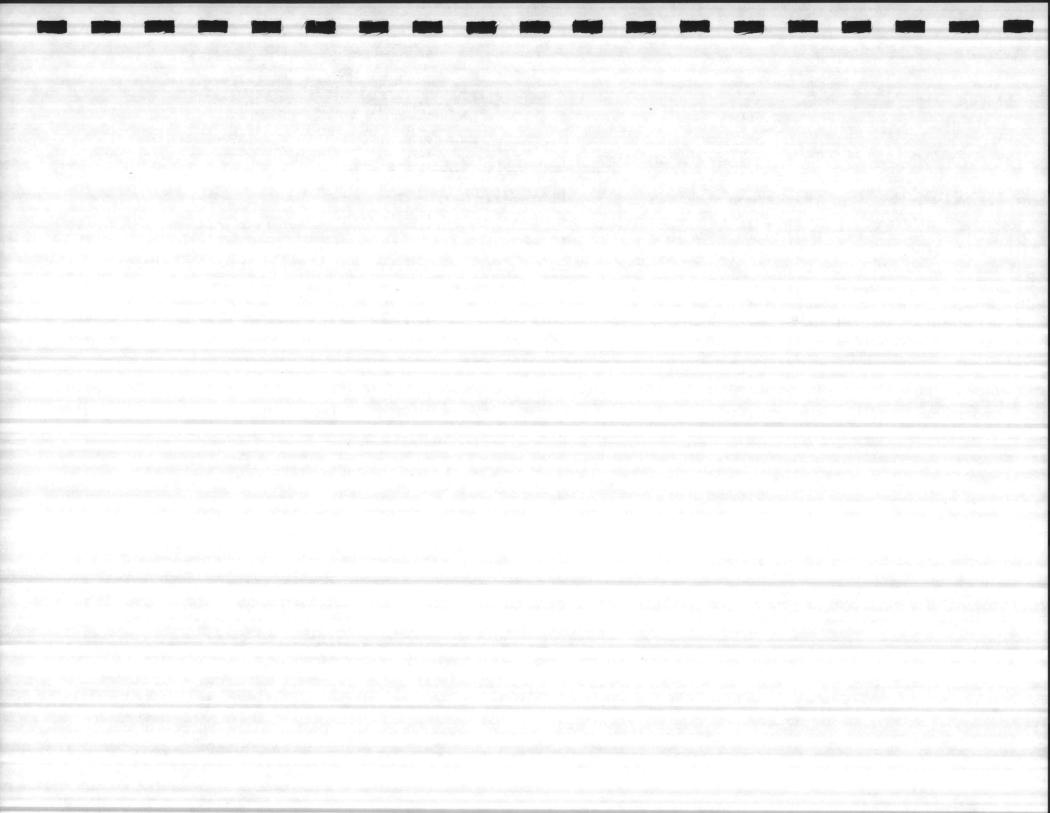
FILE NAME: LP010043 PAGE 3 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

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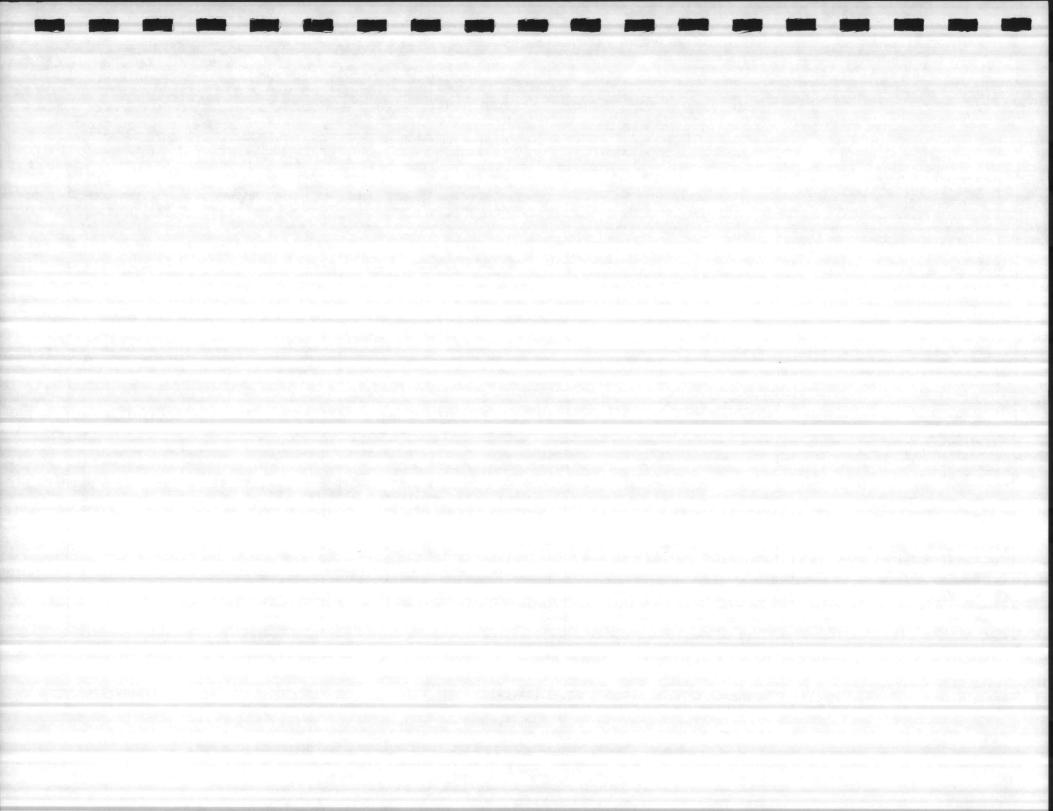


DATA ELEMENT	DATA ELEMENT PRESENT CHARACTERISTICS		DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABL)	
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100			
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1			
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	36	······		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	300			
Number of Days per Year the Range/Facility is Available	350			
Is Range/Facility Capable of Nighttime Use? Yes, No	Yes			

FILE NAME: LP010043 PAGE 4 OF 6 DATE: 03/05/87

03/05/87 RANGE/

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total. Maintenance. Weather. Budget. Fire Condition/Weather. Weekends/Holidays. Other.	15 15	0	0
Other Ranges Which Must Be Closed When This Range is in Use	NA		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes No maneuver		
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	Yes Advance notice of night firing		

FILE NAME: LP010043 PAGE 5 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

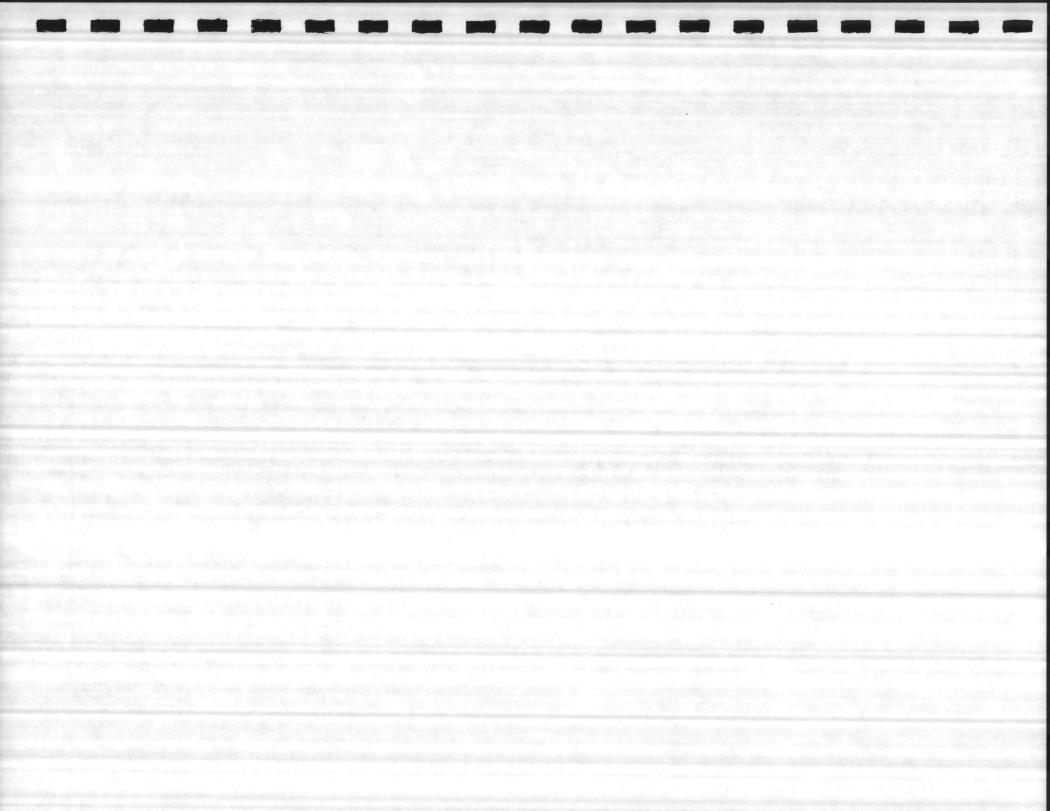
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	sestrictions on Range Use Environmental
	PAN Nolas Gas/Chewicel
	Protechnica/slarg Fine of Day Sime of Year Other

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Environmental AICUZ FAA Noise	NA		
Gas/Chemical Pyrotechnics/Flare Time of Day Time of Year Other			
LLE NAME: LP010043 AGE 6 OF 6 DATE: 03/05/87	RANGE/FACILITY MANAGER: D.	-	LFRTS-P-00



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

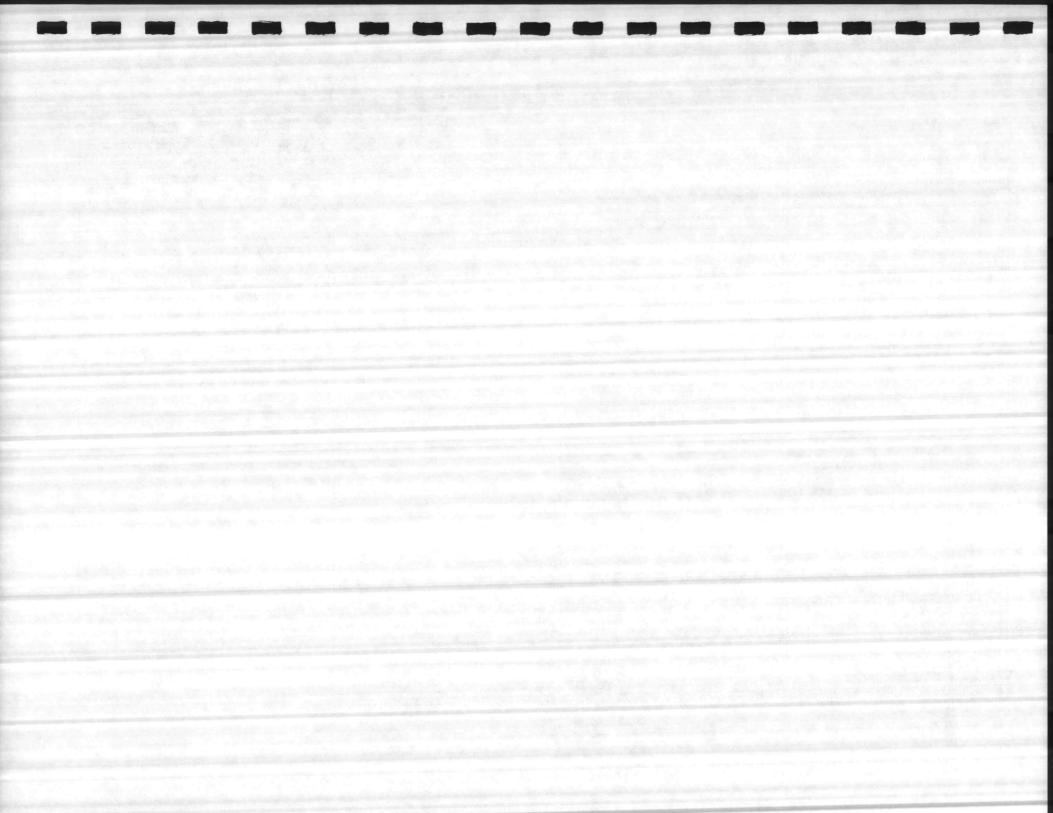
RANGE NAME AND LOCATION: K-317 Close Combat Range, MCB, Camp Lejeune, NC Close Combat Range INSTRUCTIONS: -- One form for each range/facility/simulator -- Fill in data elements as appropriate -- Use right column for new or improved ranges needed

TYPE	RANGE FACILITY:
X	Live-Fire Full Caliber
	Live-Fire Subcaliber
1.1	Simulator
1,100	Maneuver Area
1000	Associated Air Space
	Other
1	

13

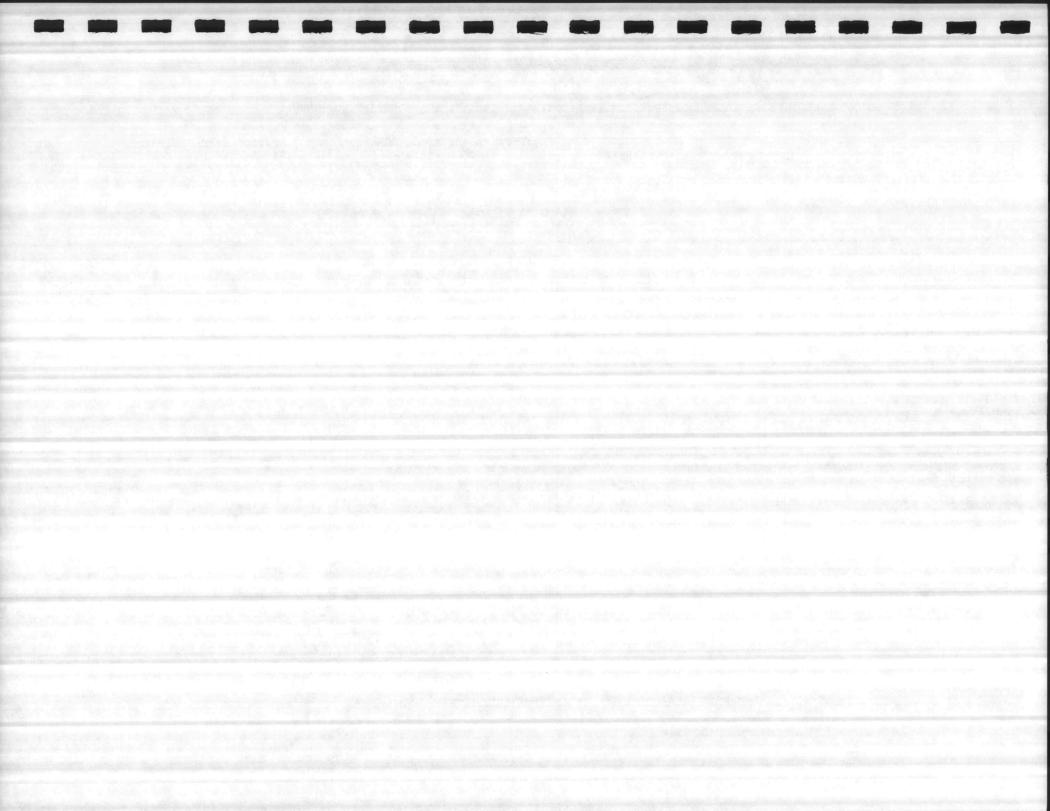
11

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS
Associated Air Space	1.35 X 1.2 3686 MILS/207 degrees To 17,999 ft; 399 sq km TP811358		
Safety Buffer Rear (km) Sides (km) Altitude (ft)	 NA		•
Number of Firing Points/ Stations	 12 		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area	X		
ILE NAME: LP010044 AGE 1 OF 6 DATE: 03/05/87	RANGE/FACILITY MANAGER: D.	 J. Hashagen, Sr.	- LFRTS-P-00



T.ATAR	RANGE /FACTLITY	TNVENTORY	DATA	FORM	(LFRTS-P-0001)	(CONTINUED)	

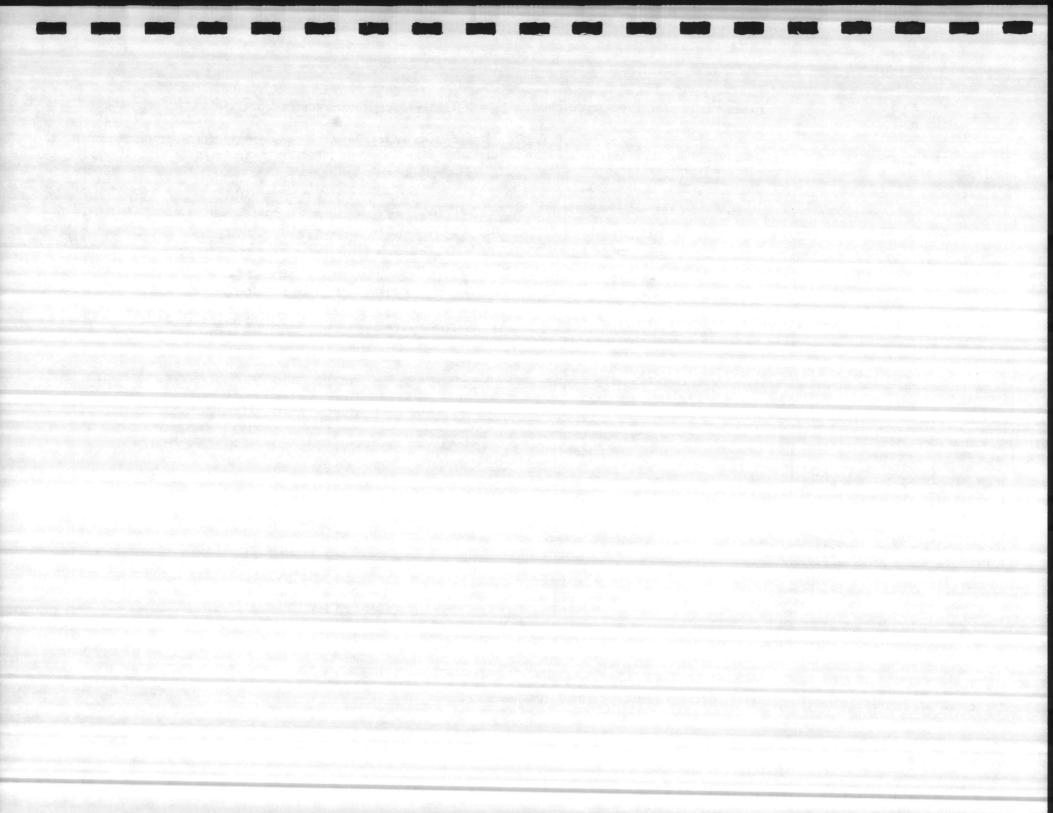
PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
x x		
12 targets		
x		
 NA		
	x x 12 targets x 	PRESENT CHARACTERISTICS (INCLUDE YEAR) X



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	.38-cal, .45-cal, 9-mm, M16, shotgun		
		A Processing	
Climate Seasonal Tropic Temperate Arctic Desert. All-Weather (Indoor) Other	x	NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp. Percentage Desert. Percentage Beach. Percentage Level. Percentage Water.	100	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	100	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LPO10044 PAGE 3 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



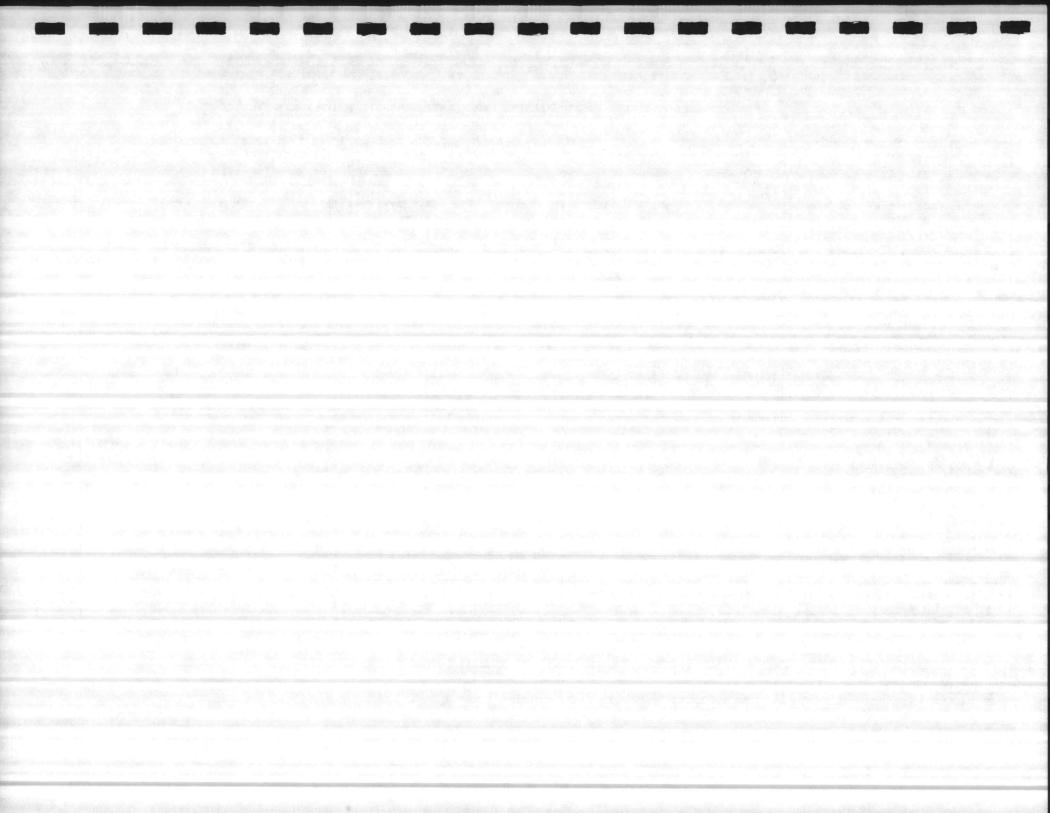
DATA ELEMENT PRESENT CHARACTERISTICS		DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
100		
1		
36		
350		
No		
	100	

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FILE NAME: LP010044 PAGE 4 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total. Maintenance. Weather. Budget. Fire Condition/Weather. Weekends/Holidays. Other.	15 15	0	0
Other Ranges Which Must Be Closed When This Range is in Use	NA		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes No maneuver Lateral transition only		
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	NA		

FILE NAME: LP010044 PAGE 5 OF 6 DATE: 03/05/87

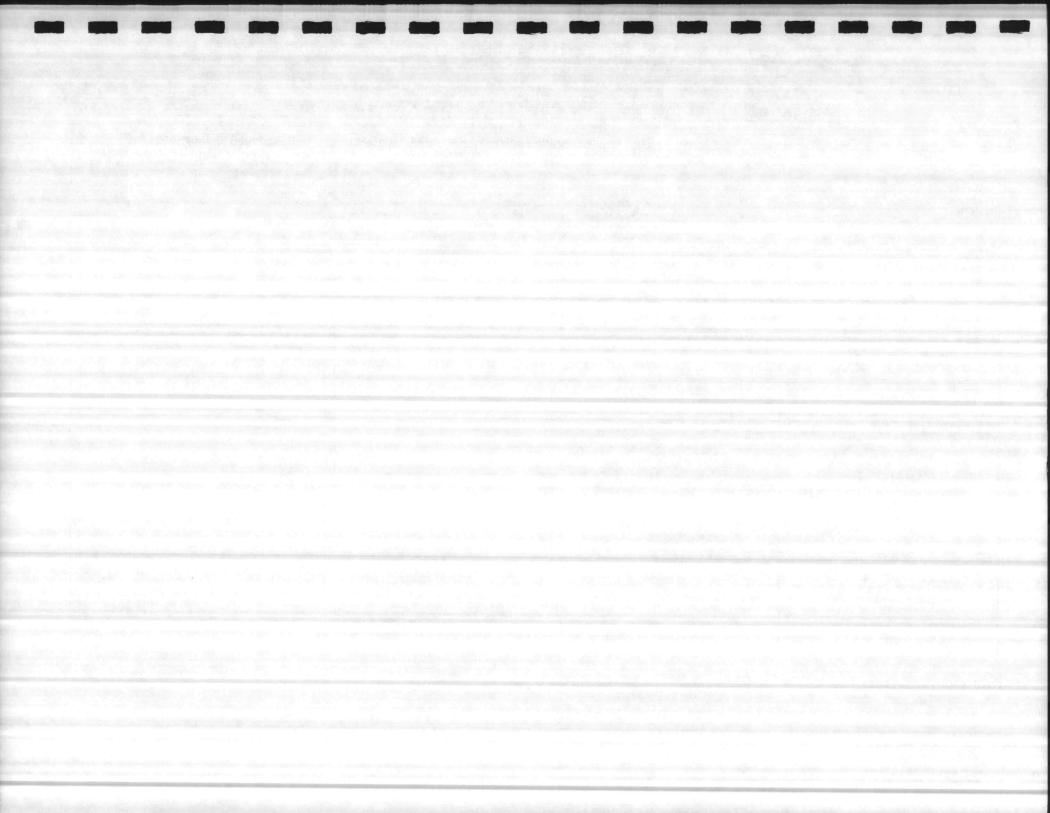
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

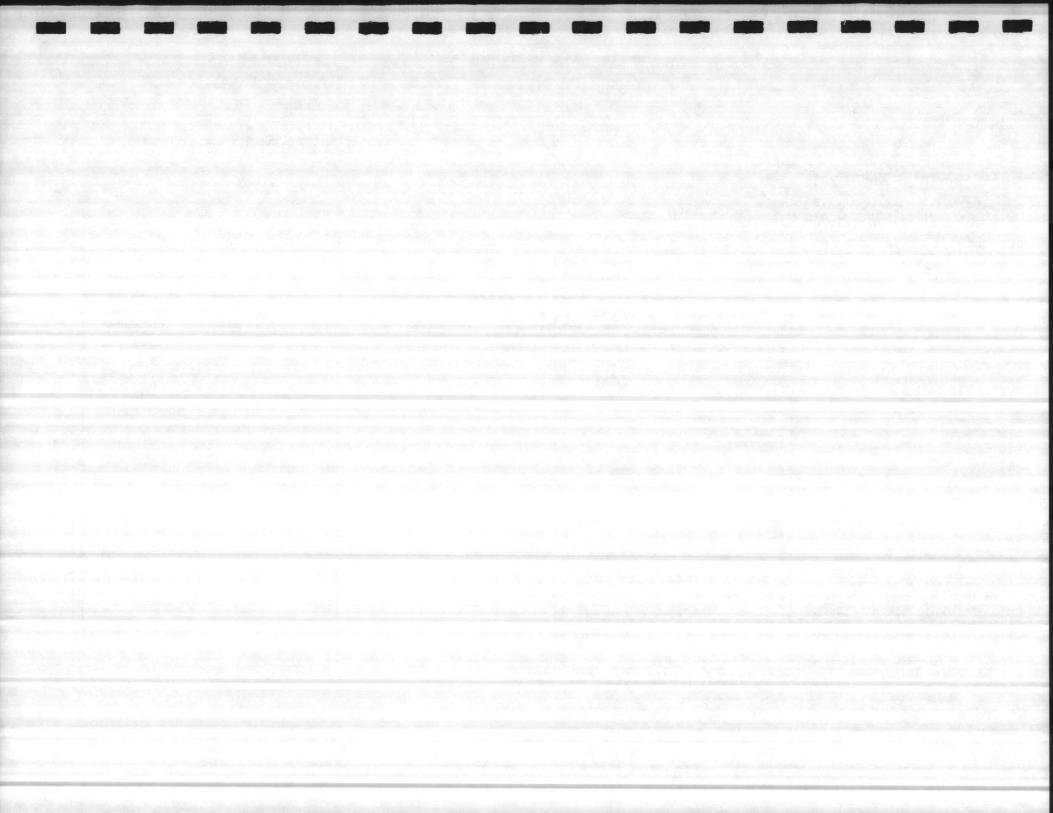
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
estrictions on Range Use Environmental AICUZ FAA Noise	NA		
Gas/Chemical Pyrotechnics/Flare Time of Day Time of Year Other			
			and the second
LE NAME: LP010044			



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

-- Use right column for new or improved ranges needed

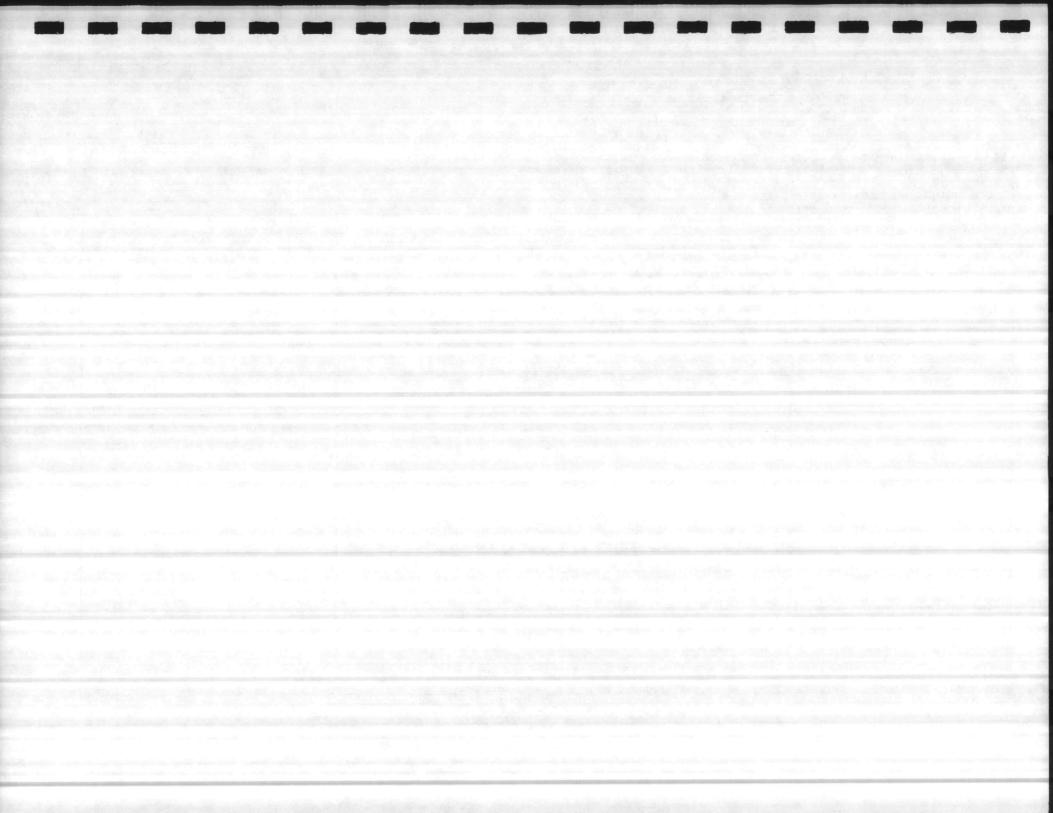
-- Fill in data elements as appropriate

RANGE NAME AND LOCATION: K-319 Field Firing Range, MCB, Camp Lejeune, NC Field Firing Range INSTRUCTIONS: -- One form for each range/facility/simulator

TIPE RANGE FACILITI:
X Live-Fire Full Caliber
Live-Fire Subcaliber
Simulator
Maneuver Area
Associated Air Space
Other

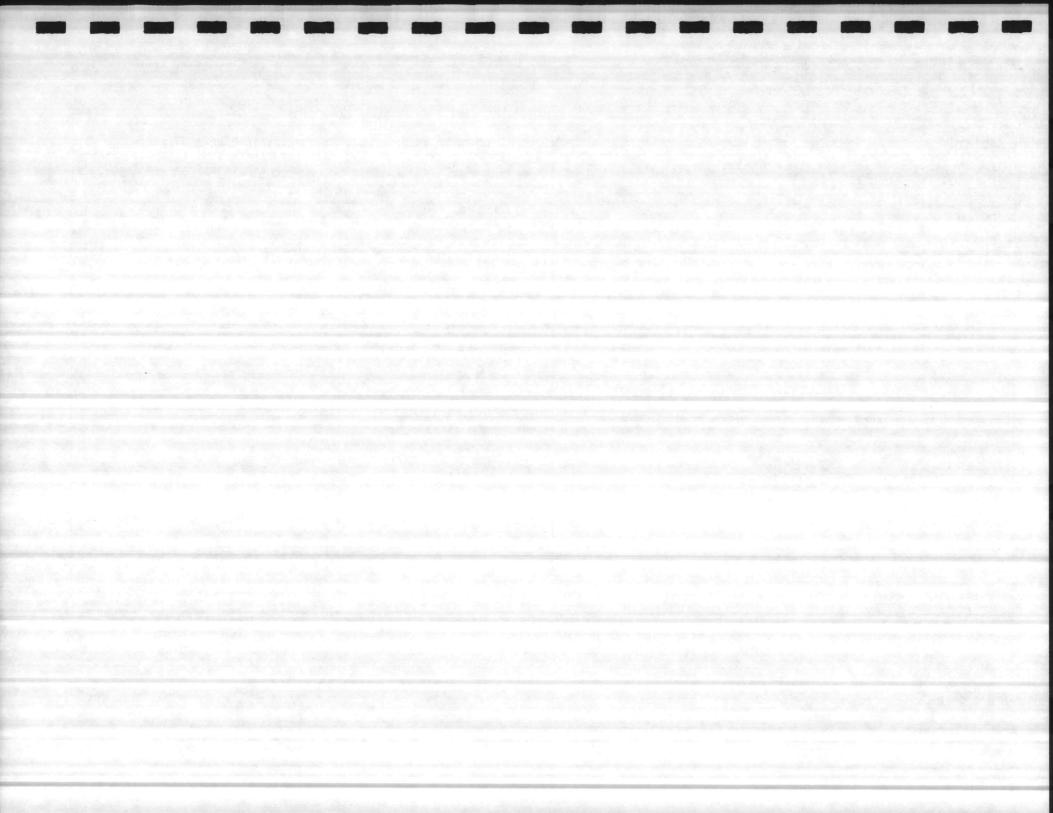
MUDE DANCE ELOTI TO

DESIRED CHARACTERISTICS ANTICIPATED OR KNOWN CHANGES (SPECIFY YEAR NEEDED IF APPLICABLE) (INCLUDE YEAR) DATA ELEMENT PRESENT CHARACTERISTICS Range Shape and Dimensions Dimensions (km) 11.3 X 1.3 Primary Direction of Fire |3248 MILS/182 degrees |To 17,999 ft; 399 sq km Associated Air Space **TP813358** Coordinates Safety Buffer INA Rear (km) Sides (km)..... Altitude (ft)..... Number of Firing Points/ 135 Stations Range Facilities Control Tower..... Communications System..... |X Target Shed Utility Building..... Aid Station..... Parking Area..... Viewing Area..... FILE NAME: LP010045 LFRTS-P-0001 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr. DATE: 03/05/87 PAGE 1 OF 6



LATAR RANGE/FACILIT	Y INVENTORY	DATA I	FORM	(LFRTS-P-0001)	(CONTINUED)
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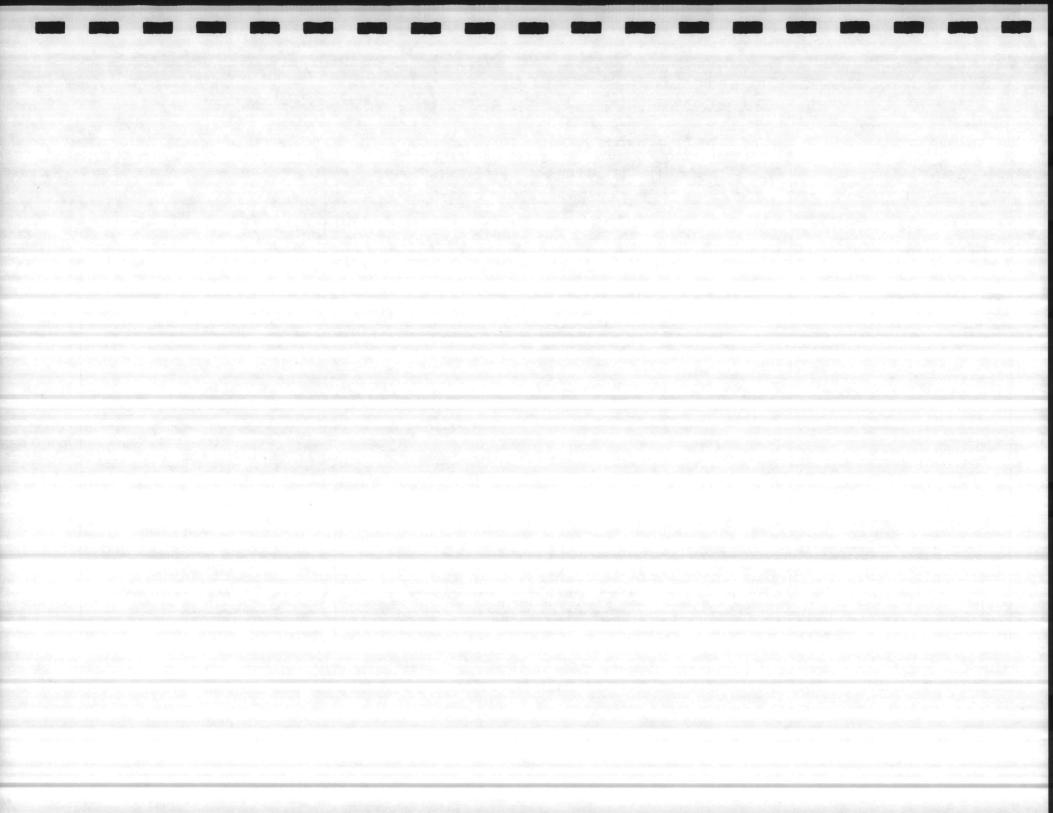
	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued)Demonstration AreaHead FacilityAmmunition BunkerWater SystemElectrical SystemClassroomBivouac SiteOther	x		
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Farget Types Pop-up Stationary. Moving. Revolving Other.	x		
Are There Associated Simulation Devices? Yes, No, NA	NA		



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	.38-cal, .45-cal, 9-mm, M16, M60, shotgun, M40A1, 60-mm illumination, 81-mm illumina- tion		
Climate Seasonal Tropic. Temperate. Arctic. Desert. All-Weather (Indoor). Other.		NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	100	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	100	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010045 PAGE 3 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



LATAR RANGE/FACILIT	INVENTORY	DATA F	FORM	(LFRTS-P-0001)	(CONTINUED)
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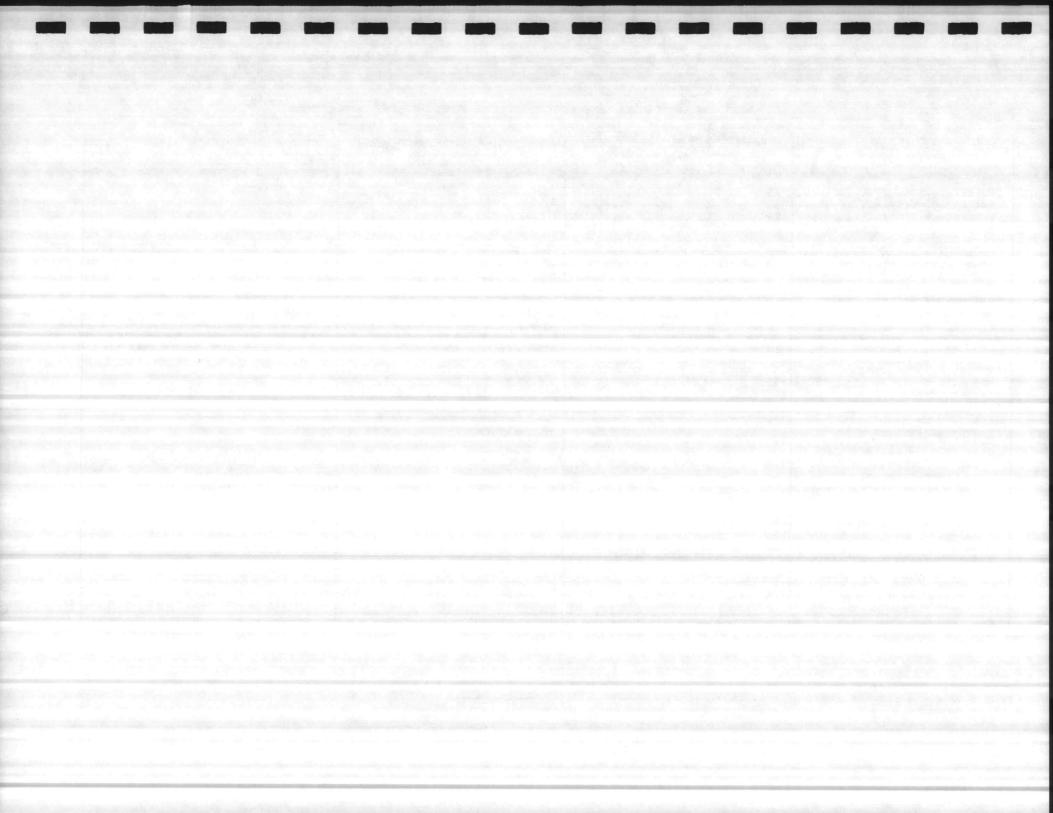
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100	·····	
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	36		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	175 		· · · · · · · · · · · · · · · · · · ·
Number of Days per Year the Range/Facility is Available	350		
Is Range/Facility Capable of Nighttime Use? Yes, No	Yes		

FILE NAME: LP010045 PAGE 4 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

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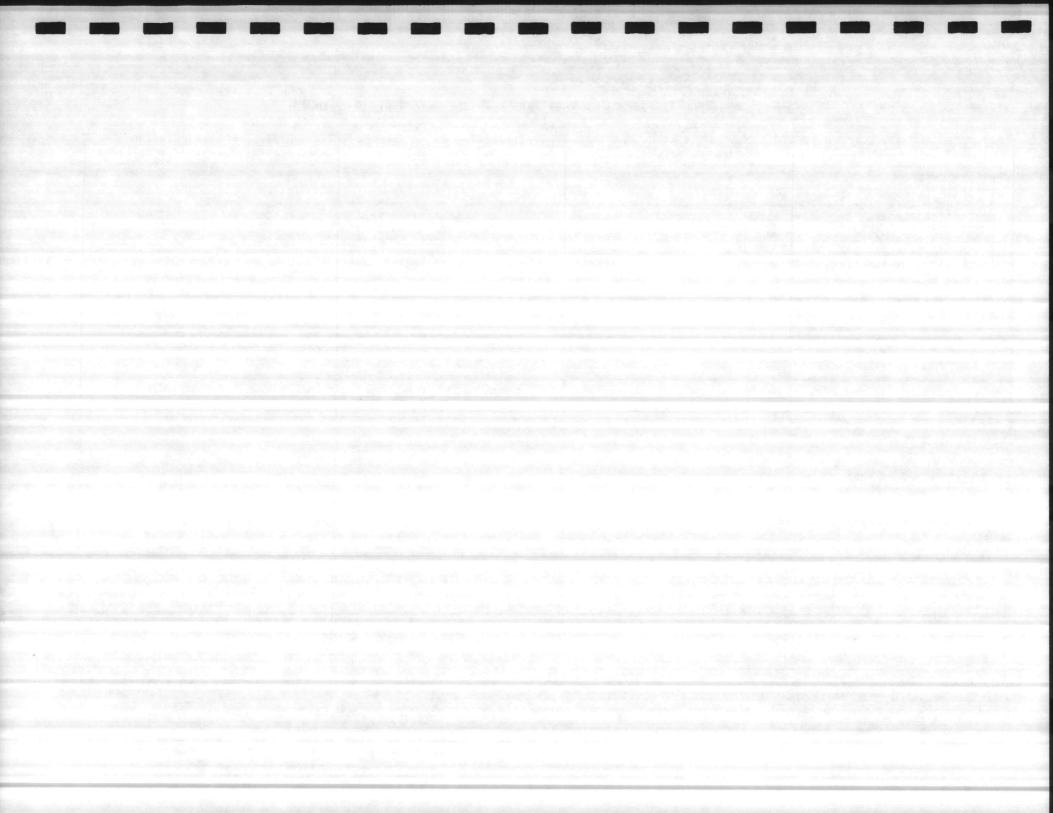
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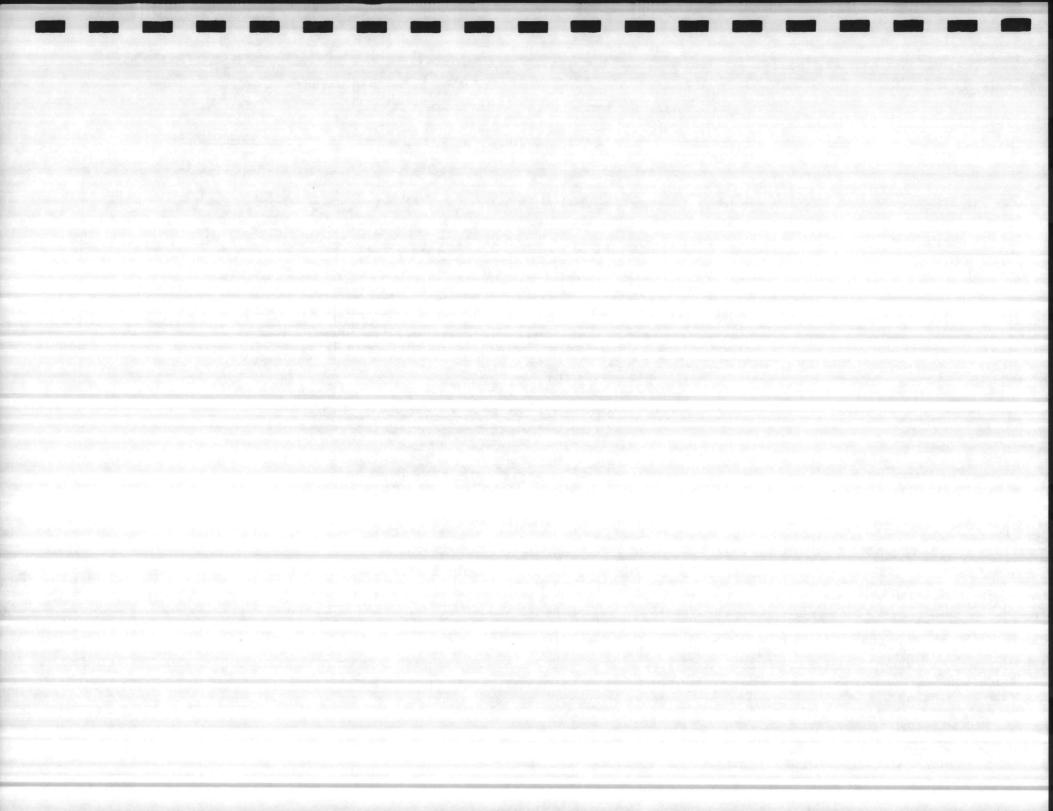
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	15 15 	0	0
Other Ranges Which Must Be Closed When This Range is in Use	NA		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes No downrange movement	· · · · · · · · · · · · · · · · · · ·	•
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	NA		

FILE NAME: LP010045 PAGE 5 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Restrictions on Range Use Environmental AICUZ FAA Noise Gas/Chemical Pyrotechnics/Flare Time of Day	NA		
Time of Year Other			
			-
LE NAME: LP010045 AGE 6 OF 6 DATE: 03/05/87	RANGE/FACILITY MANAGER: D.	J. Hashagen, Sr.	LFRTS-P-0

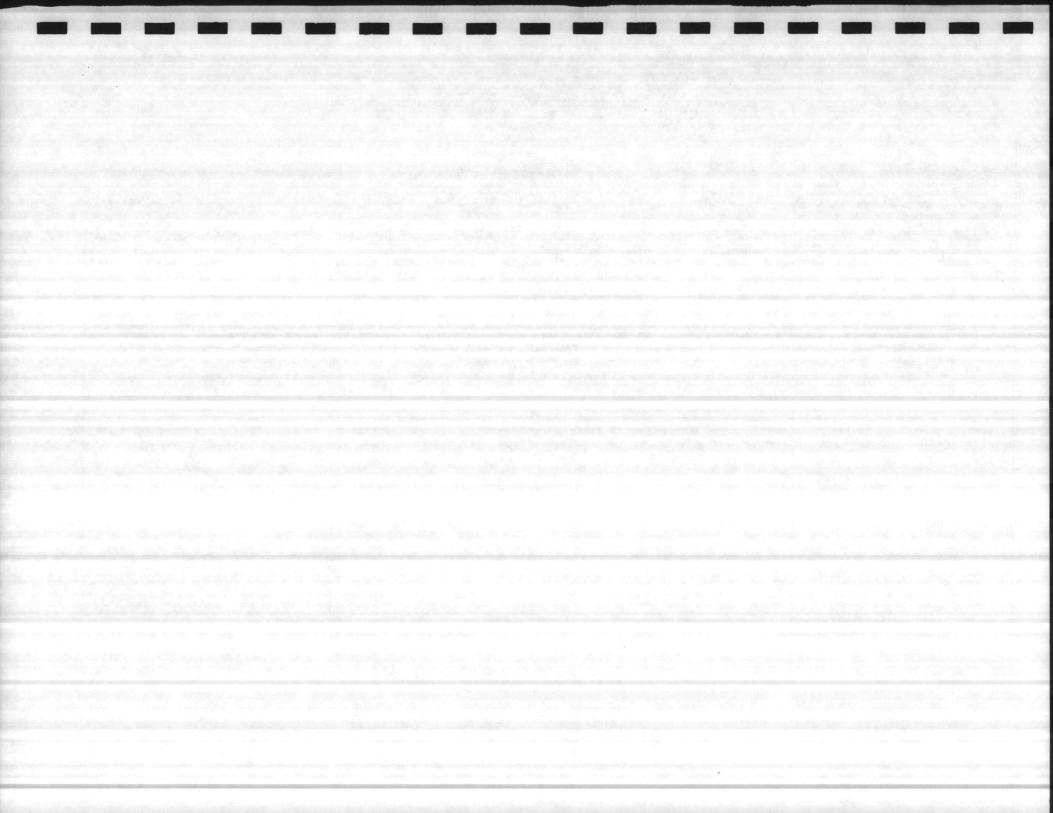


SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

RANGE NAME AND LOCATION: K-321 Transition Range, MCB, Camp Lejeune, NC Transition Range INSTRUCTIONS: -- One form for each range/facility/simulator -- Fill in data elements as appropriate -- Use right column for new or improved ranges needed

TY PE	RANGE FACILITY:
X	Live-Fire Full Caliber
S	Live-Fire Subcaliber
	Simulator
	Maneuver Area
	Associated Air Space
	Other
	-

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
ange Shape and Dimensions Dimensions (km)	 1.18 X .8		
Primary Direction of Fire	3948 MILS/222 degrees		
Associated Air Space	To 17,999 ft; 399 sq km		
Coordinates	ТР818353		
and a second			
afety Buffer Rear (km) Sides (km) Altitude (ft)	NA		
umber of Firing Points/ Stations	19		
ange Facilities		-	-
Control Tower	X	an a	
Target Shed Utility Building Aid Station	X		
Parking Area			

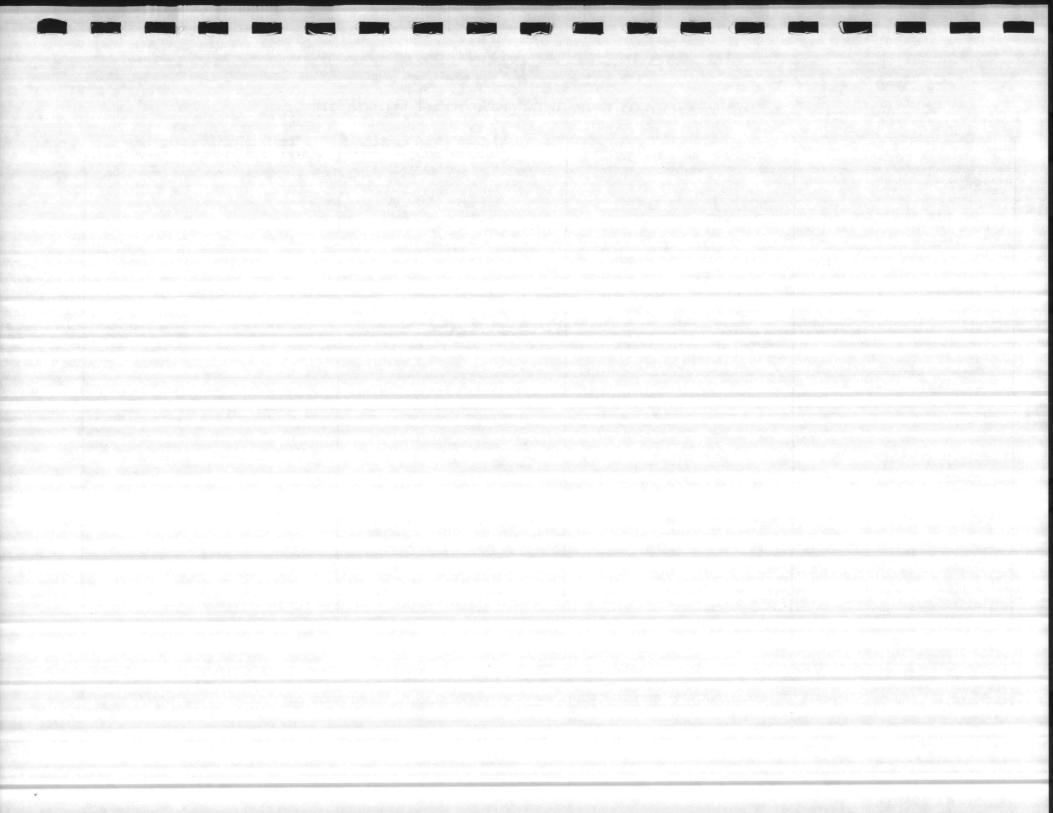


LATAR	RANGE,	FACILITY	INVENTORY	DATA	FORM	(LFRTS-P-0001)	(CONTINUED)

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PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
x x		
x		•
NA		
	X X 19 targets X x	PRESENT CHARACTERISTICS (INCLUDE YEAR) X

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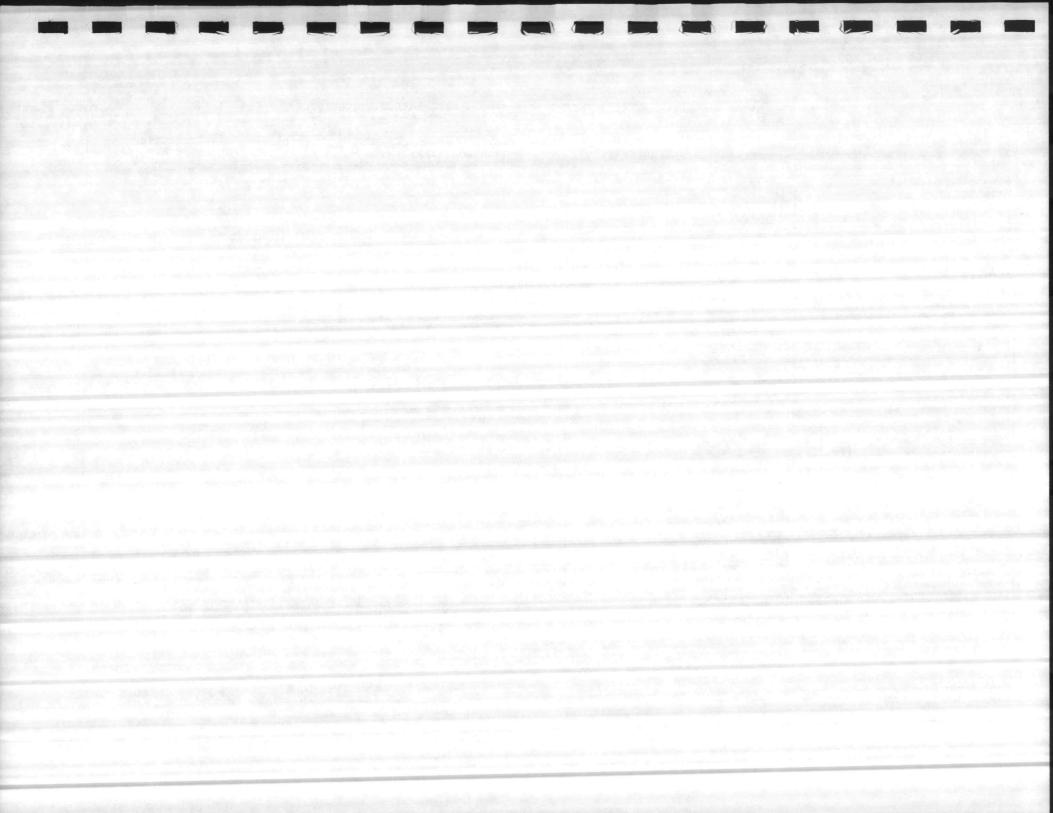
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	.38-cal, .45-cal, 9-mm, M16, shotgun, M40A1, 60-mm illumination, 81-mm illumination		
Climate Seasonal Tropic Temperate Arctic Desert All-Weather (Indoor) Other	x	NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	100	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other		NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010046 PAGE 3 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

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PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
100	•	
1		
37		
300		
350		
Yes		
	100	

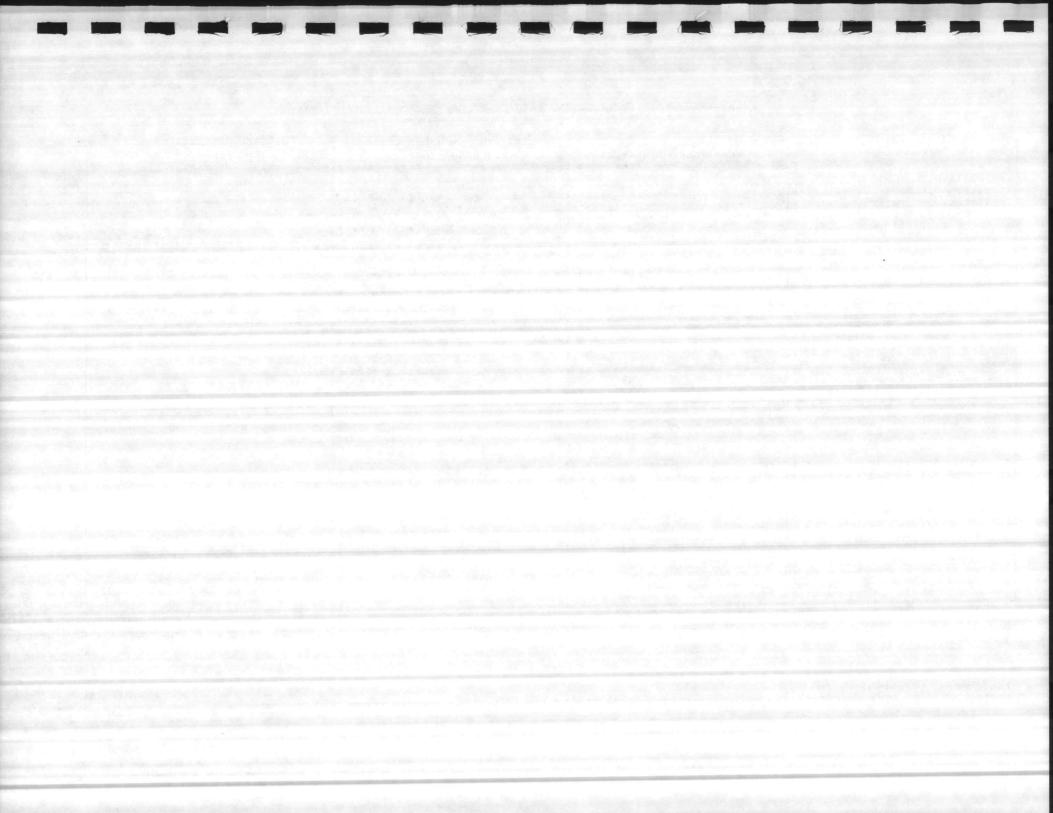
FILE NAME: LP010046 PAGE 4 OF 6 DATE:

DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

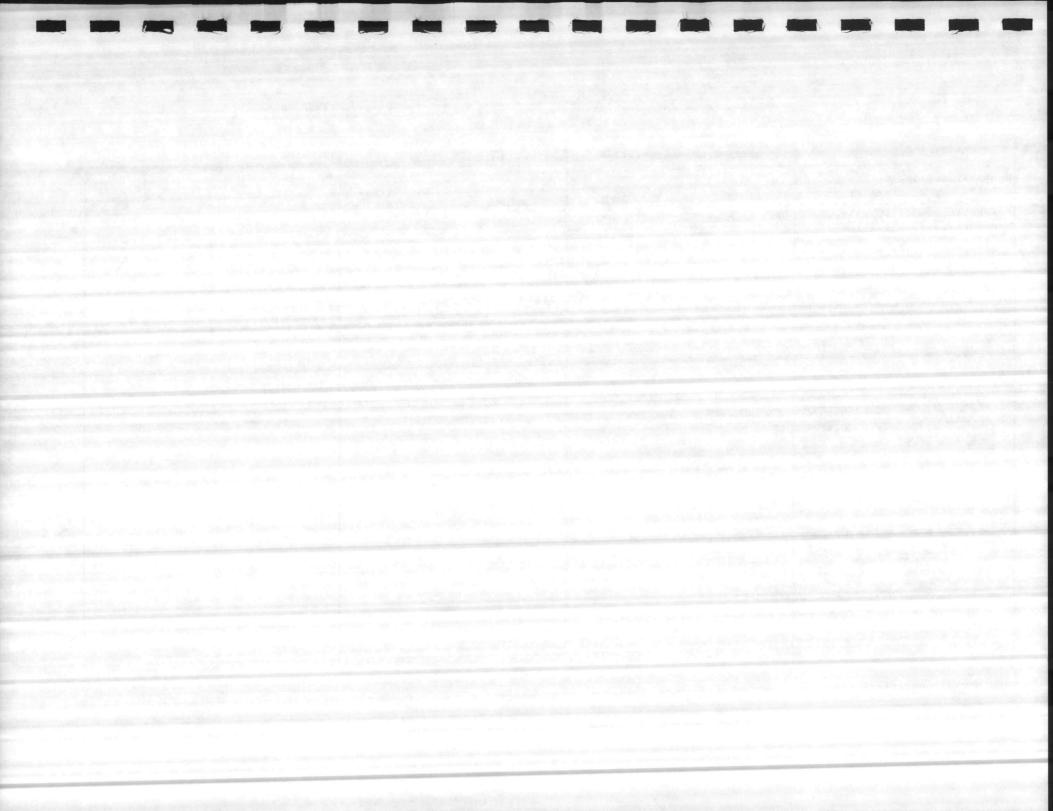
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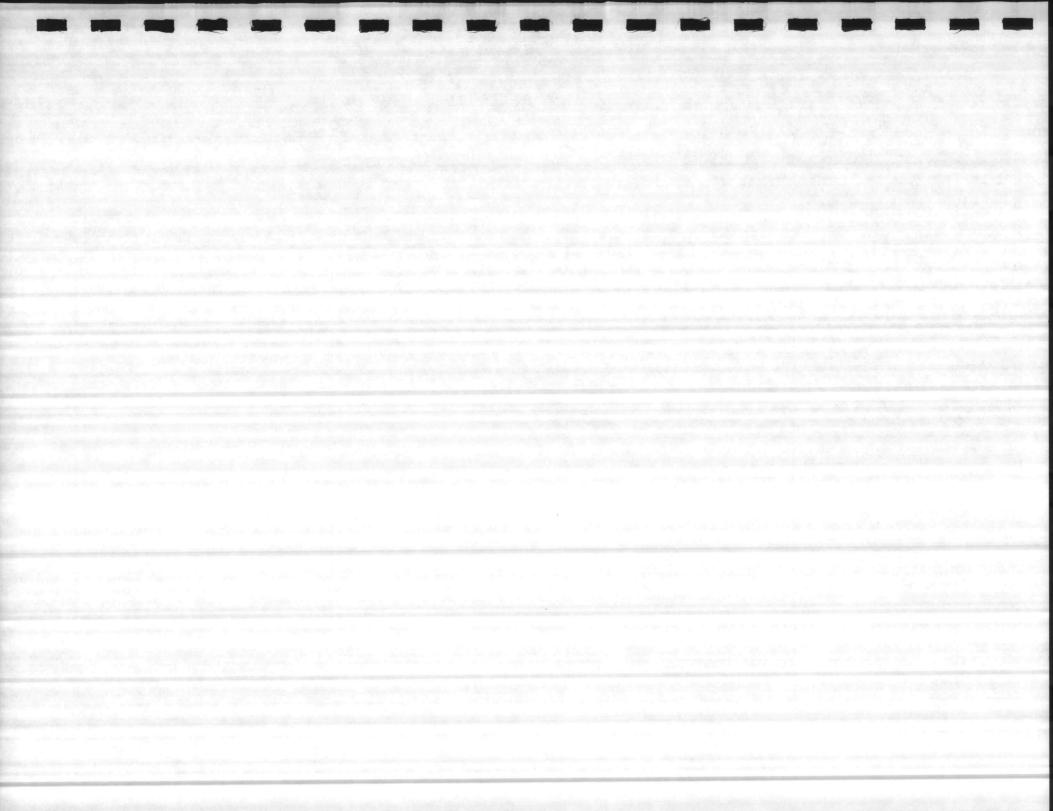
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	15 15	0	0
Other Ranges Which Must Be Closed When This Range is in Use	NA		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes No maneuver		
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	NA		

FILE NAME: LP010046 PAGE 5 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
strictions on Range Use	NA		
Environmental			
FAA	without the site was the adaptic of the sec		
Noise			
Gas/Chemical Pyrotechnics/Flare			a second s
Time of Day			
Time of Year			a contract of the second second
and the second	and several states and the second second second second second	and the second	
		and the second second second second	
			and a second state of the state of the second state of the second state of the second state of the second state
	and the second		and the second second second
	2019년 - 1996년 - 1997년 br>1997년 - 1997년 1 1997년 - 1997년 1 1997년 1997년 199		
		Constant and the second	Children States and the States
		and the last free galaxies of the support region of the state	elsen avres all description of a state of the second second
	전 성격에 없는 것 같아요. 것 같아?	이 사고 잘 많이 한 날아? 않는 것 것 같이 봐.	
		-	



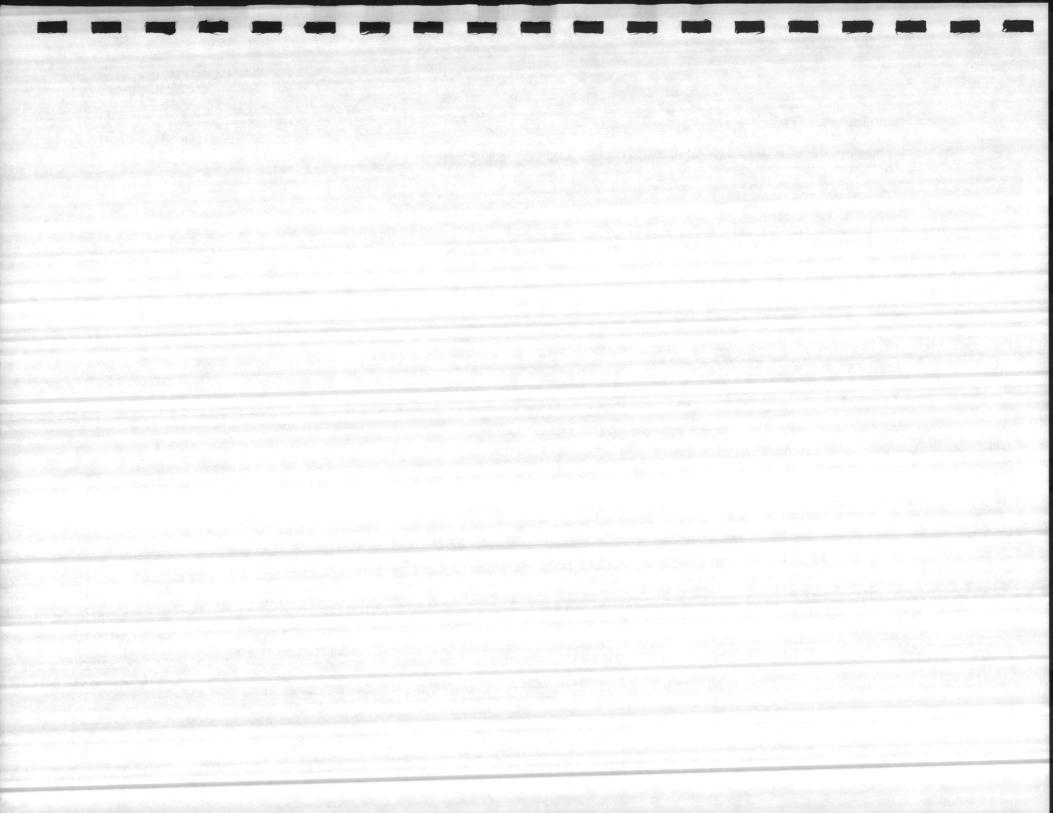
SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

RANGE NAME AND LOCATION: K-322 Moving Realistic Target Range, MCB, Camp Lejeune, NC Moving Realistic Target Range INSTRUCTIONS:

-- One form for each range/facility/simulator -- Fill in data elements as appropriate -- Use right column for new or improved ranges needed

TY PE	RANGE FACILITY:
X	Live-Fire Full Caliber
-	Live-Fire Subcaliber
	Simulator
1.1.1	Maneuver Area
in the second second	Associated Air Space
	Other

	DESIRED CHARACTER PECIFY YEAR NEEDED IF	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	PRESENT CHARACTERISTICS	DATA ELEMENT
			1.15 X 1.1	Range Shape and Dimensions Dimensions (km)
			4094 MILS/230 degrees	Primary Direction of Fire
		and the second	To 17,999 ft; 399 sq km	Associated Air Space
			ТР819357	Coordinates
			NA	Safety Buffer Rear (km) Sides (km) Altitude (ft)
			7	Number of Firing Points/ Stations
			X	Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area
LF		 		Target Shed Utility Building Aid Station Parking Area



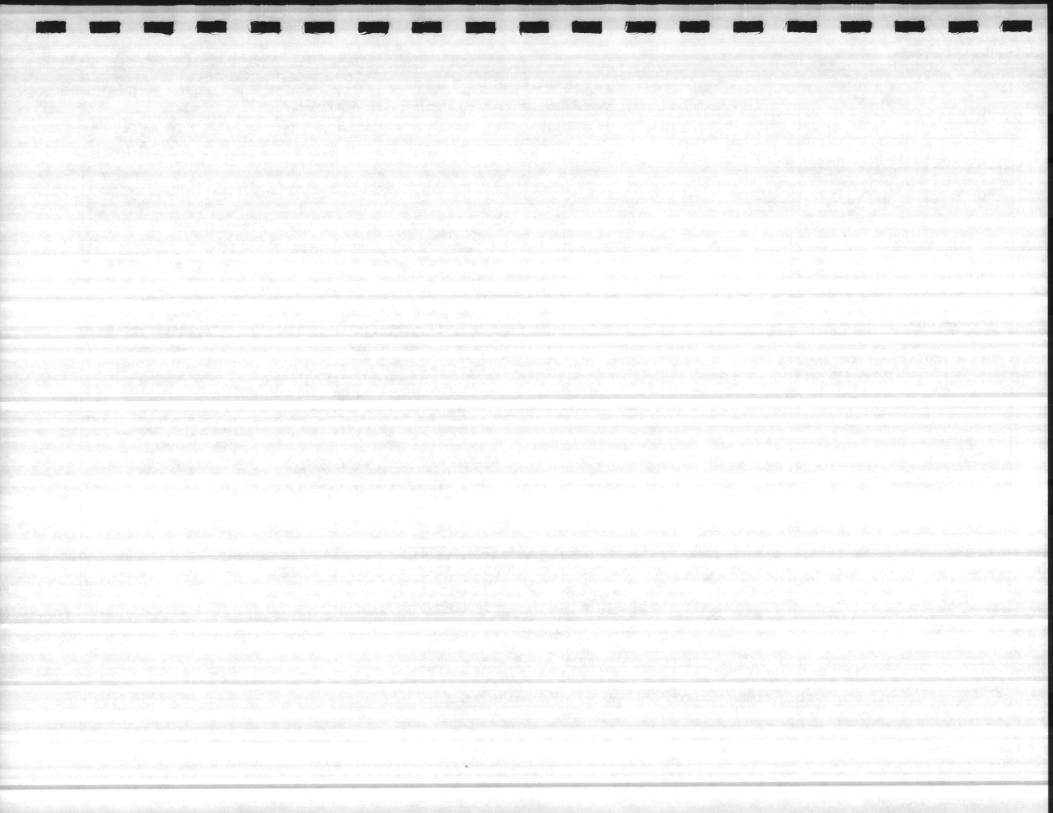
LATAR RANGE	FACILITY	INVENTORY	DATA	FORM	(LFRTS-P-0001)	(CONTINUED)
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued)Demonstration AreaHead FacilityAmmunition BunkerWater SystemElectrical SystemClassroomBivouac SiteOther	х		
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Target Types Pop-up Stationary Moving Revolving Other	x		· · · · · · · · · · · · · · · · · · ·
Are There Associated Simulation Devices? Yes, No, NA			

PAGE 2 OF 6 DATE: 03/05/87

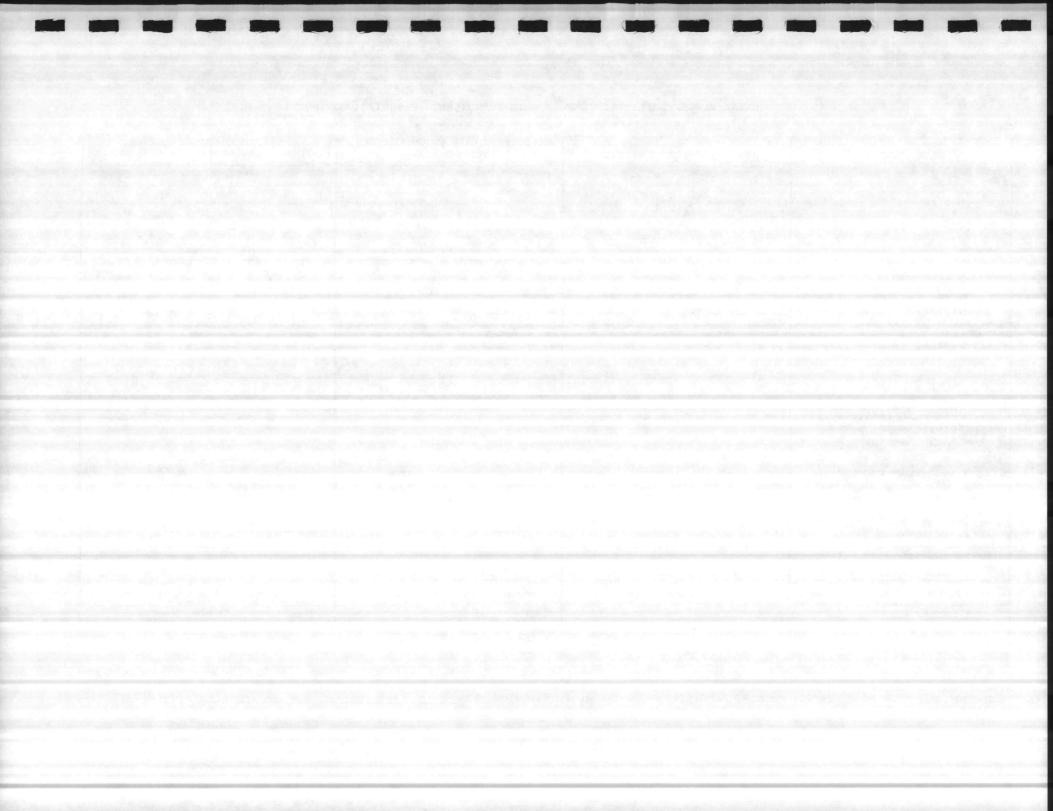
12

8.5



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Neapon Types Used on the Range	.38-cal, .45-cal, 9-mm, shotgun, M16		
Climate Seasonal Tropic Temperate	x	NOT APPLICABLE	NOT APPLICABLE
Arctic Desert All-Weather (Indoor) Other			
Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level	100	NOT APPLICABLE	NOT APPLICABLE
Percentage Water Soil Type Percentage Rock Percentage Sand Percentage Clay	100	NOT APPLICABLE	NOT APPLICABLE
Percentage Swamp/Marsh Percentage Loamy Percentage Other			

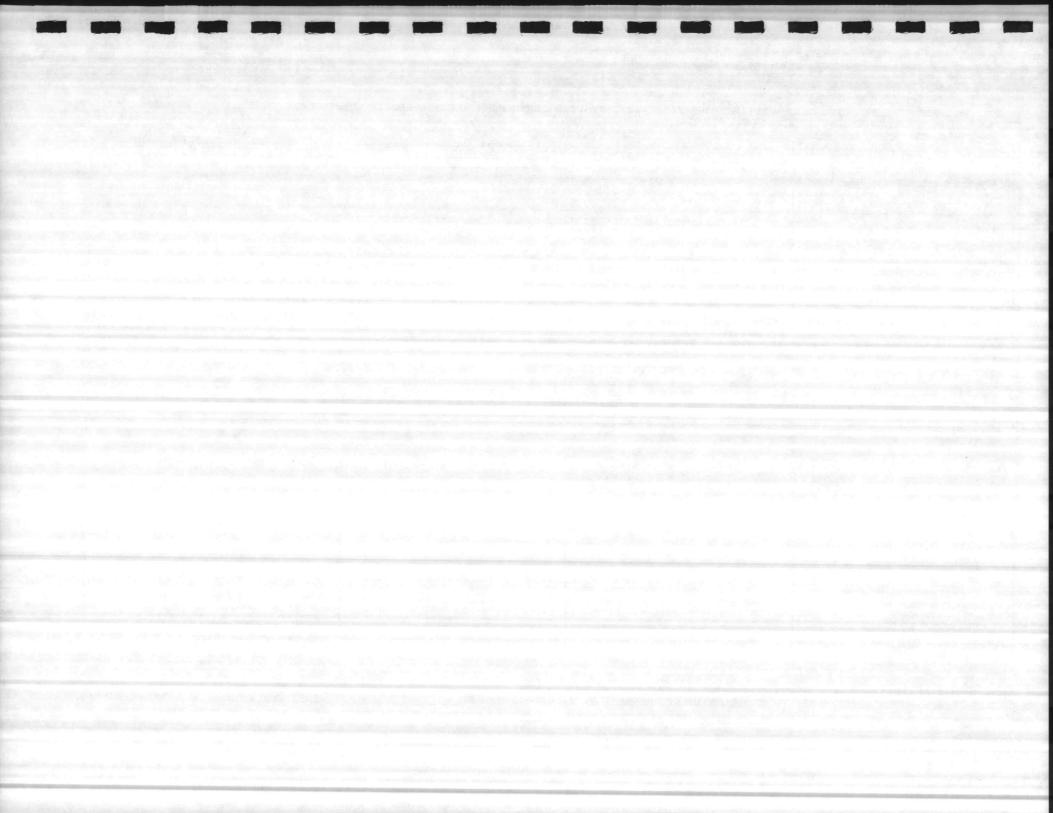
FILE NAME: LP010047 PAGE 3 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._



LATAR RANGE/FACILITY	INVENTORY DATA	FORM	(LFRTS-P-0001)	(CONTINUED)
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy			
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	37		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	200		
Number of Days per Year the Range/Facility is Available			
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

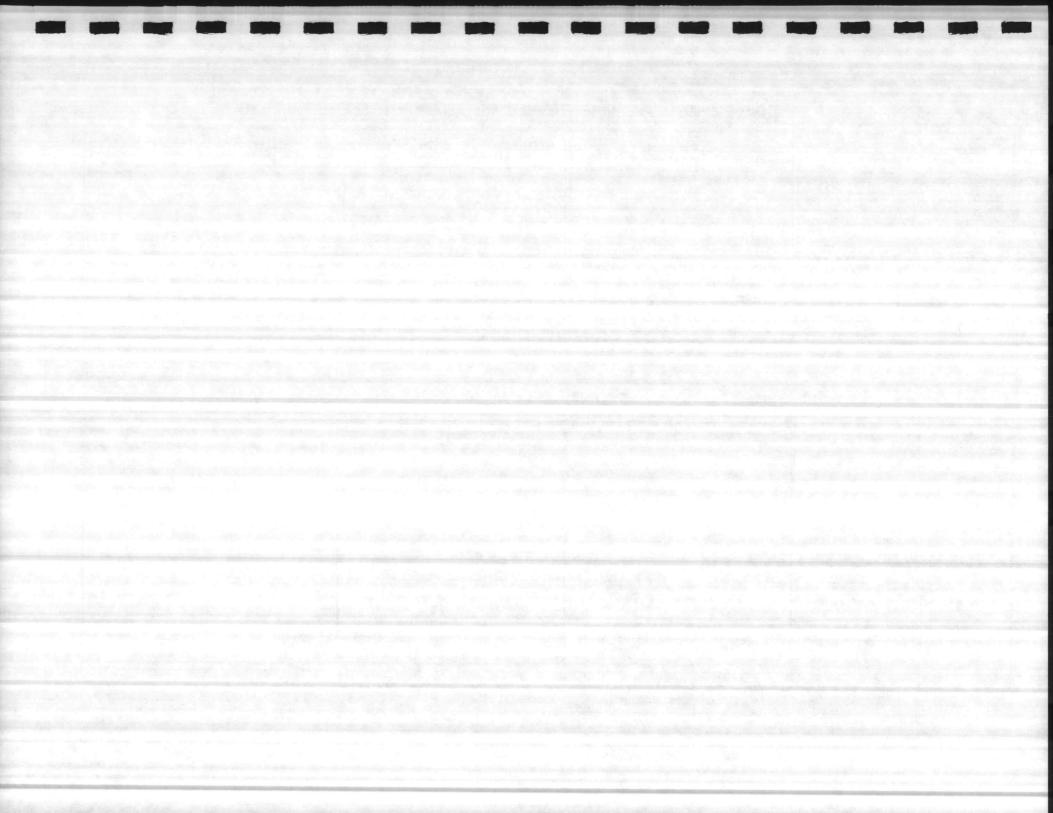
FILE NAME: LP010047 PAGE 4 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
	10 10 	0	0
Other Ranges Which Must Be Closed When This Range is in Use	NA		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes Electrical power switch remains in off position when not in use		
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	Yes No automatic firing permitted		

FILE NAME: LP010047 PAGE 5 OF 6 DATE: 03/05/87

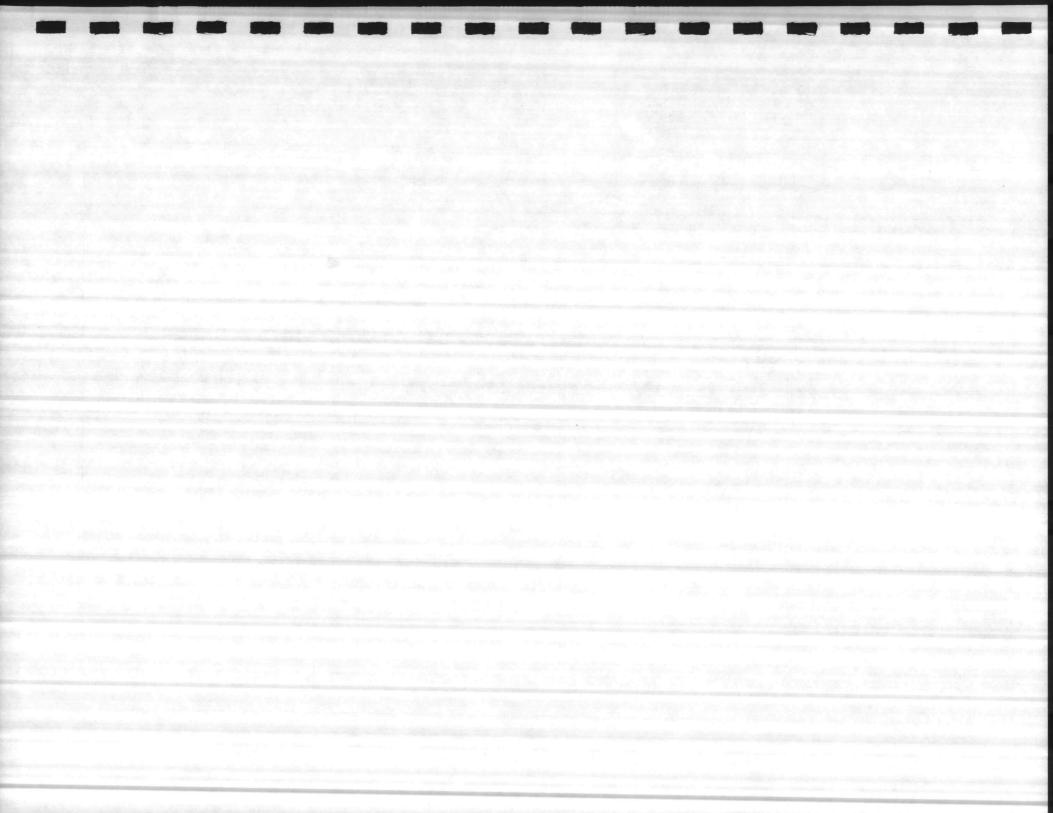
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Environmental AICUZ FAA	NA		
Gas/Chemical Pyrotechnics/Flare Time of Day Time of Year Other			

17

1.



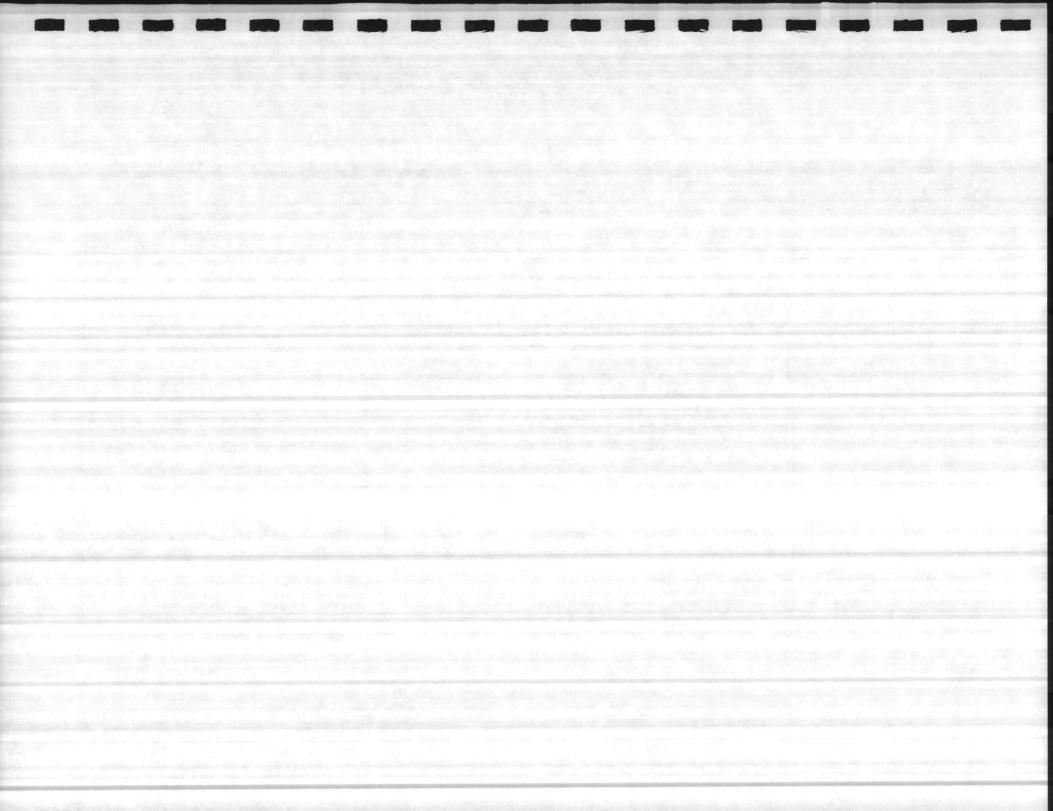
SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

RANGE NAME AND LOCATION: K-323 Moving Realistic Target Range, MCB, Camp Lejeune, NC Moving Realistic Target Range INSTRUCTIONS:

-- One form for each range/facility/simulator -- Fill in data elements as appropriate -- Use right column for new or improved ranges needed

TY PE	RANGE FACILITY:
X	Live-Fire Full Caliber
	Live-Fire Subcaliber
	Simulator
4.1.1.2.1.	Maneuver Area
1.1.1.1.1.1	Associated Air Space
	Other

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km)	3.2 X 1.35	And the second second	
Primary Direction of Fire	4094 MILS/230 degrees		an and a second s
Associated Air Space	To 17,999 ft; 399 sq km		
Coordinates	TP819357		and the second second second
Safety Buffer Rear (km) Sides (km) Altitude (ft)	 NA		· · · · · · · · · · · · · · · · · · ·
Number of Firing Points/ Stations	6		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area.	x		
ILE NAME: LP010048 AGE 1 OF 6 DATE: 03/05/87	 RANGE/FACILITY MANAGER: D.		 - LFRTS-P-00(

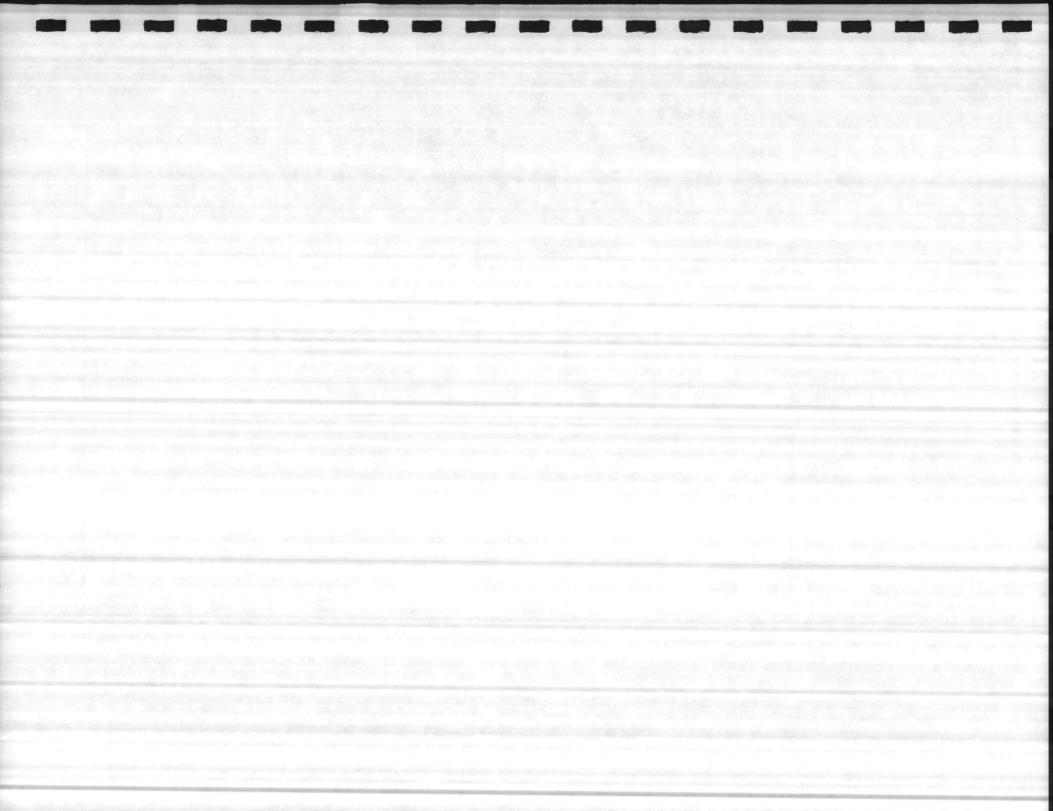


LATAR RANGE/FACILITY INVENTORY DATA FORM (LFRTS-	F-0001) (CONIT	MULD)
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PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
X		
NA		
x		
	x NA X	x NA NA X

PAGE 2 OF 6

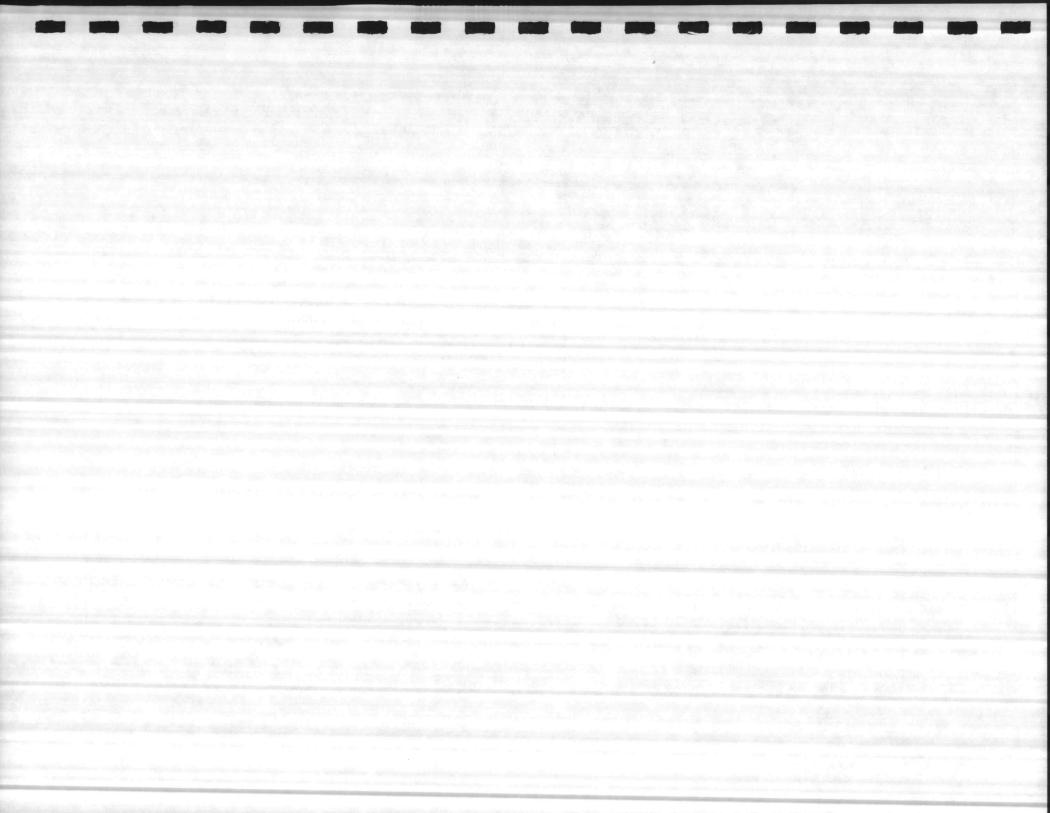
DATE: 03/05/87 RANGE/FACILITY MANAGER:



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS
Neapon Types Used on the Range	M203, MK19		
Climate Seasonal. Tropic. Temperate. Arctic. Desert. All-Weather (Indoor) Other.		NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp. Percentage Desert Percentage Beach. Percentage Level. Percentage Water.		NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other.	90 10	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010048 PAGE 3 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

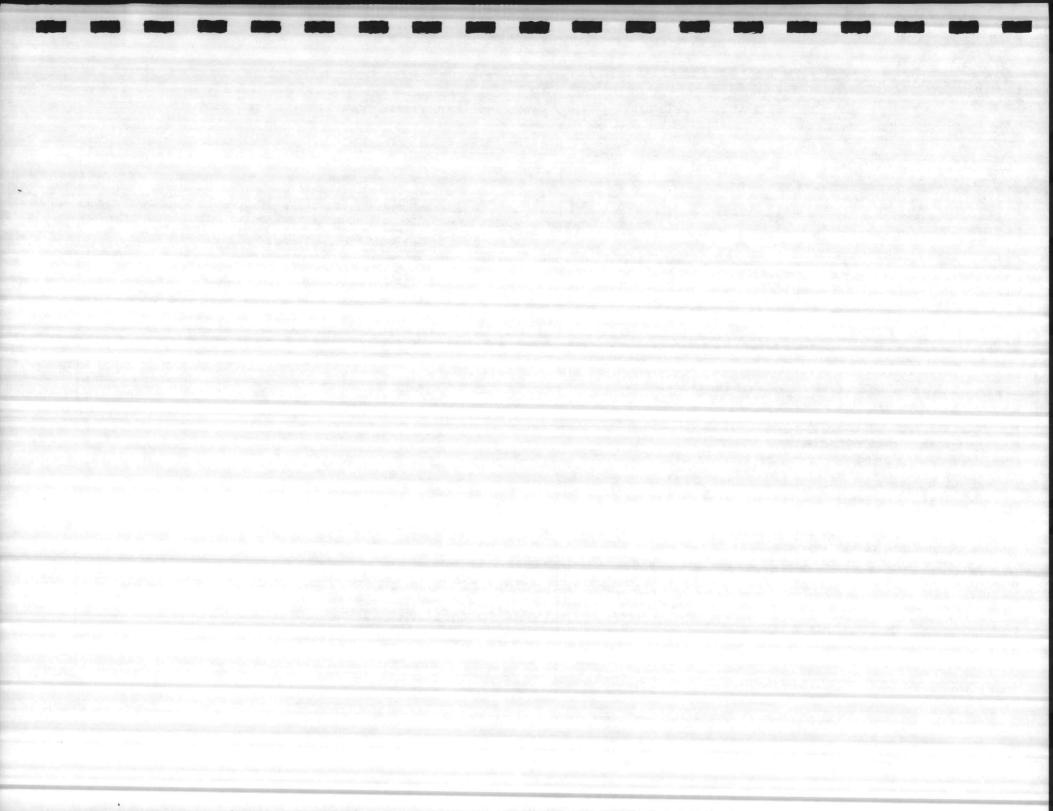


LATAR RANGE/FACILITY INVENTORY DATA	FORM	(LFRTS-P-0001)	(CONTINUED)
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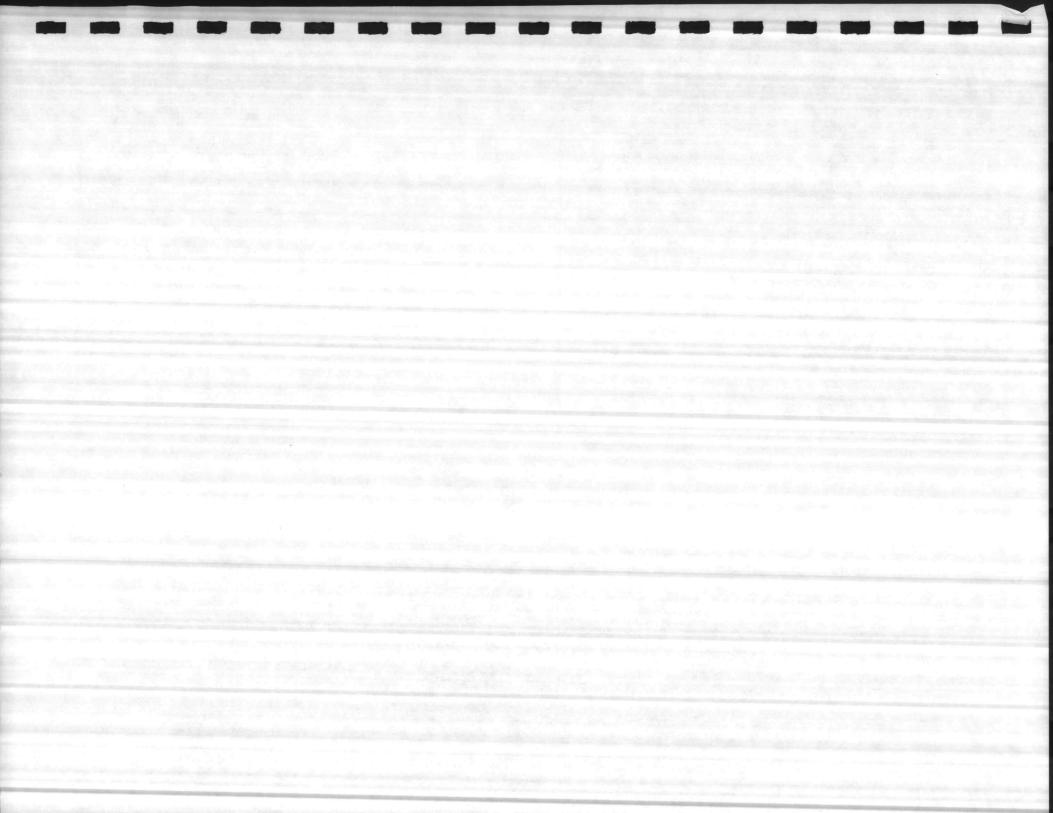
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1 1		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	37		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	Undefined		
Number of Days per Year the Range/Facility is Available	350		
Is Range/Facility Capable of Nighttime Use? Yes, No	No		
Yes, No			

FILE NAME: LP010048 PAGE 4 OF 6 DATE: 03/05/87

RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Environmental AICUZ	NA		
FAA Noise Gas/Chemical Pyrotechnics/Flare Time of Day		•	
Time of Day Time of Year Other			
ILE NAME: LP010048 AGE 6 OF 6 DATE: 03/05/87	RANGE/FACILITY MANAGER: D.	T Haghagan Sr	



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102

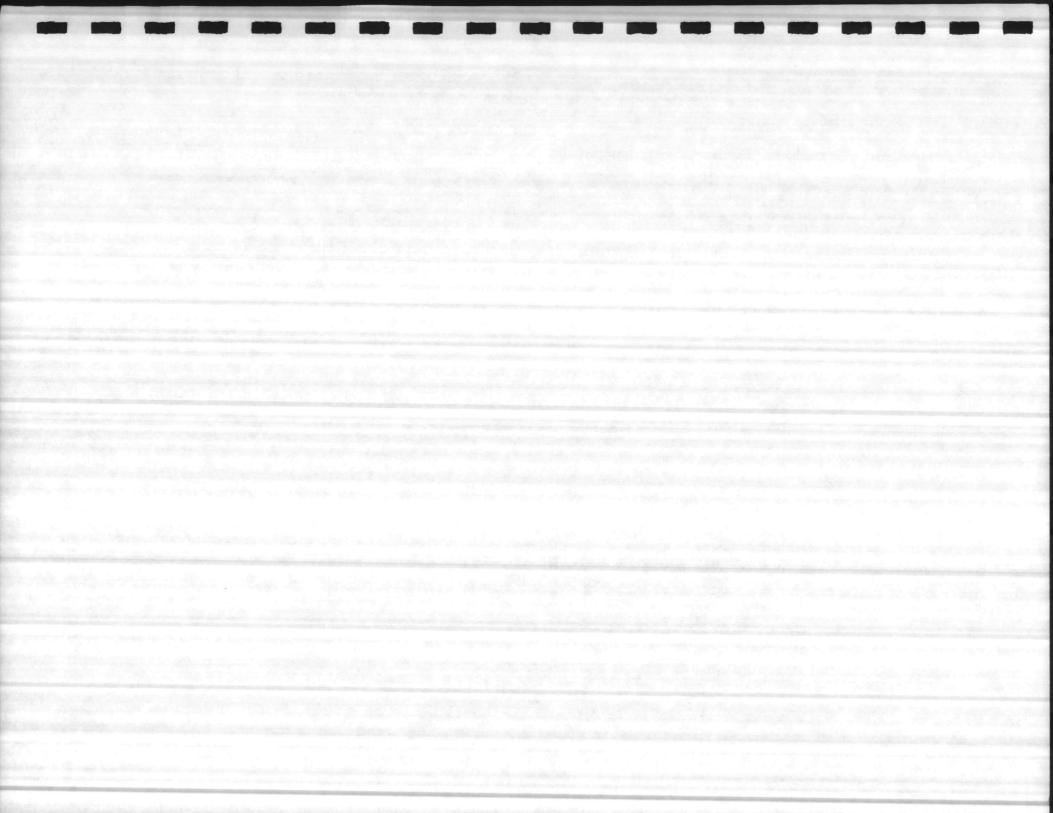
RANGE NAME AND LOCATION: K-325 M72 LAW Range, MCB, Camp Lejeune, NC M72 LAW Range

INSTRUCTIONS:

-- One form for each range/facility/simulator -- Fill in data elements as appropriate -- Use right column for new or improved ranges needed

TY PE	RANGE FACILITY:
X	Live-Fire Full Caliber
	Live-Fire Subcaliber
	Simulator
	Maneuver Area
0.00	Associated Air Space
1	Other

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km)	.6 X .5		
Primary Direction of Fire	4240 MILS/239 degrees		and have been and an and an and an and
Associated Air Space	To 17,999 ft; 399 sq km		
Coordinates	TP823355		
		_	
Safety Buffer Rear (km) Sides (km) Altitude (ft)	180 m		
Number of Firing Points/ Stations	35		
Range Facilities Control Tower Communications System Target Shed	X		
Utility Building Aid Station Parking Area Viewing Area			
ILE NAME: LP010049 AGE 1 OF 6 DATE: 03/05/87	RANGE/FACILITY MANAGER: D.	J. Hashagen, Sr.	- LFRTS-P-00



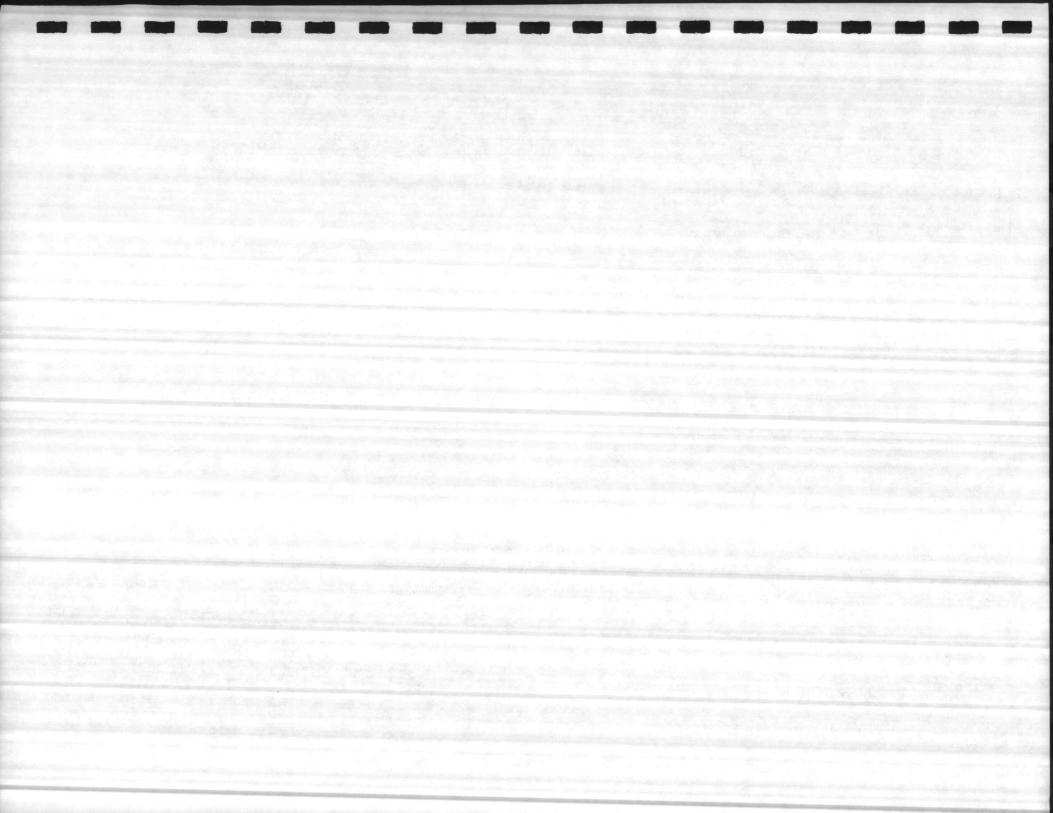
DATA ELEMENT	PRESENT CHARACTERISTICS	(INCLUDE YEAR)	(SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site Other	and the second second second second		
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Target Types Pop-up Stationary Moving Revolving Other	x x		
Are There Associated Simulation Devices? Yes, No, NA	NA		

ANTICIPATED OR KNOWN CHANGES

FILE NAME: LP010049 PAGE 2 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

DESIRED CHARACTERISTICS

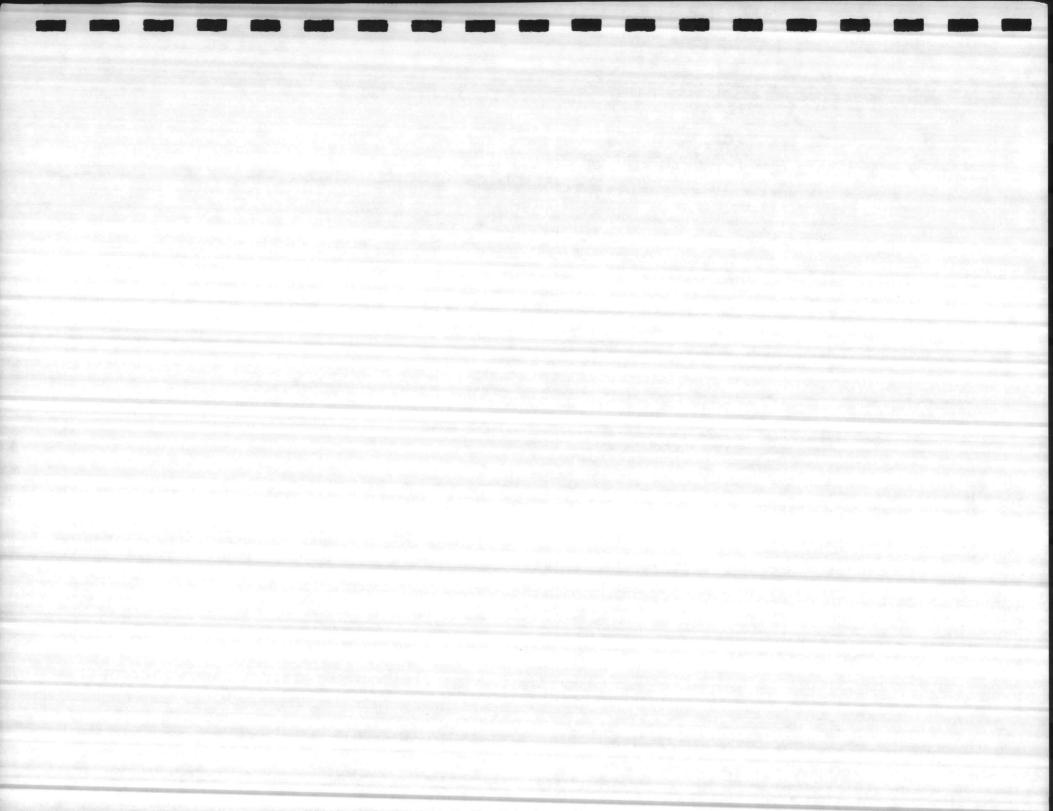


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	M72 LAW, M73 LAW		
Climate Seasonal. Tropic. Temperate. Arctic. Desert. All-Weather (Indoor) Other.		NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	100	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	100 	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010049

PAGE 3 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001

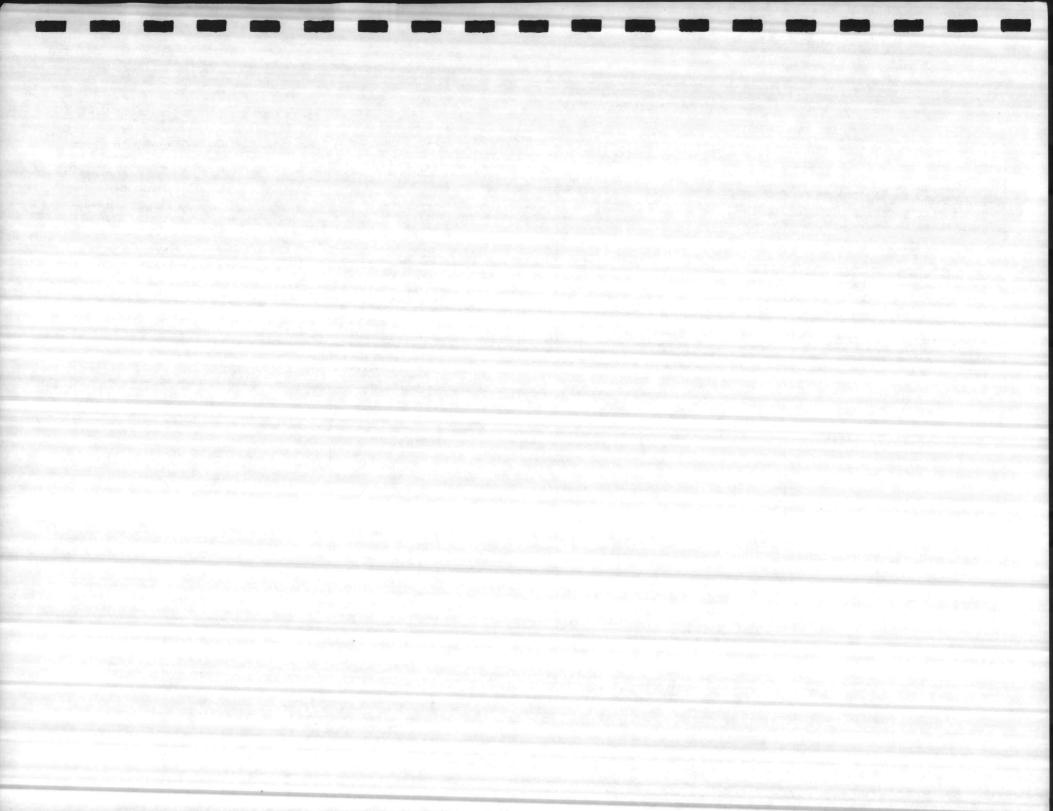


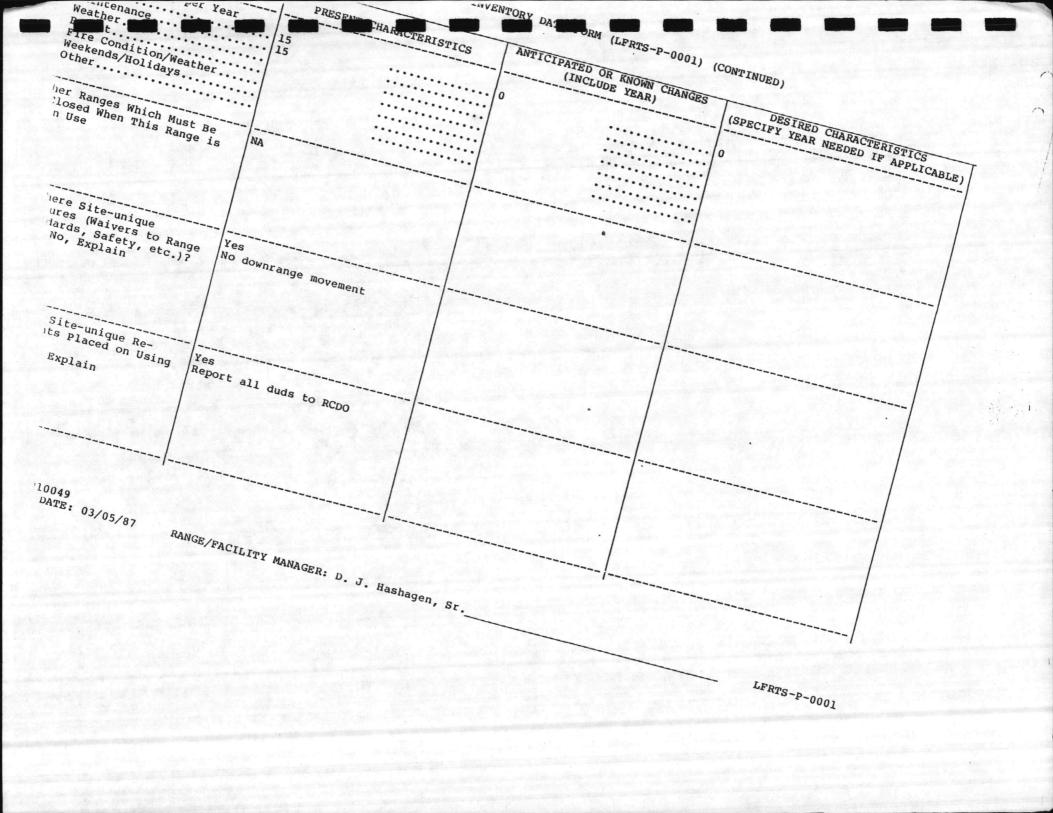
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
	38		
List Capacity of an 8-Hour Training Day. Specify: Unit of Measure, e.g., No. of Individuals No. of Batteries No. of Crew-Served Wpns No. of Aircraft/Helos as Appropriate	200		
Number of Days per Year the Range/Facility is Available	350		
Is Range/Facility Capable of Nighttime Use? Yes, No	NO .		

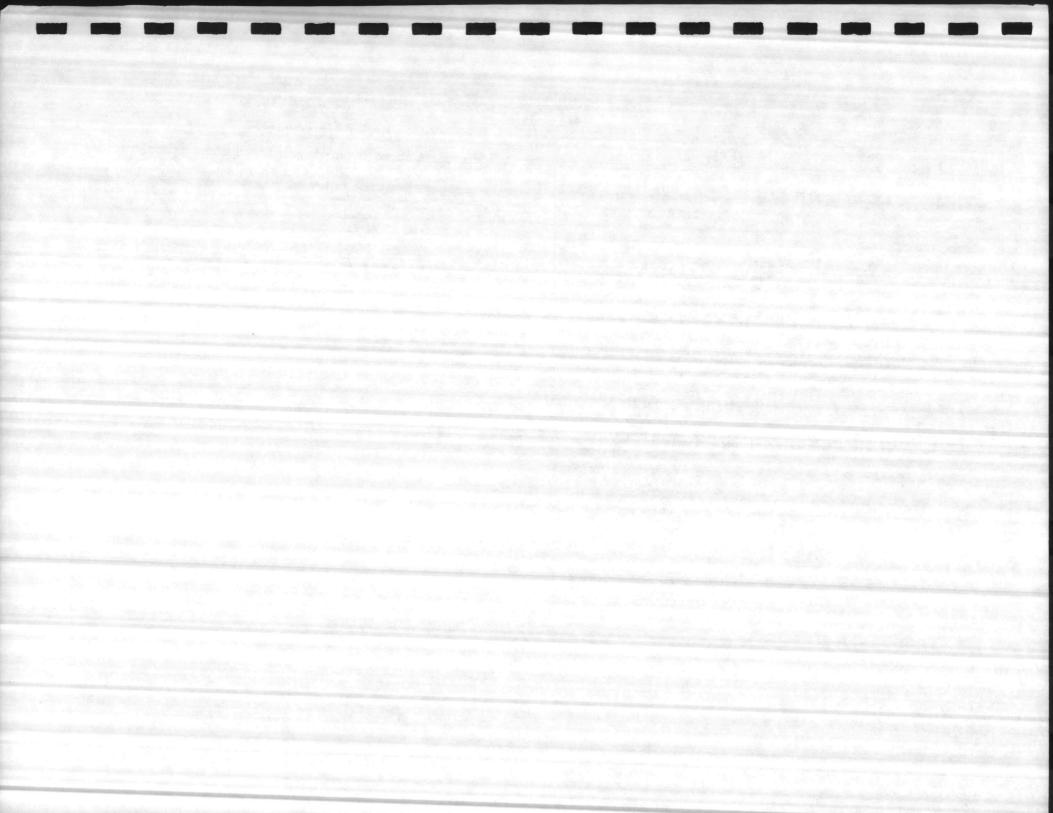
FILE NAME: LP010049 PAGE 4 OF 6 DATE: 0

DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

LFRTS-P-0001







DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
estrictions on Range Use Environmental AICUZ FAA Noise Gas/Chemical Pyrotechnics/Flare Time of Day Time of Year	NA		
Other			
LE NAME: LP010049	RANGE/FACILITY MANAGER: D.		LFRTS-P-00

