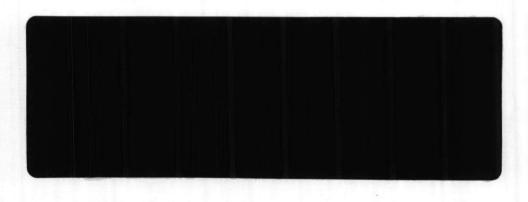
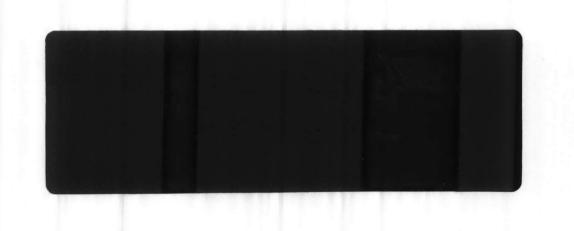


5 Koger Executive Center, Suite 127, Norfolk, VA 23502 ● (804) 461-1537







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LATAR STUDY

(PHASE I - PROBLEM DEFINITION)

MARINE CORPS LIVE FIRE RANGE AND

MANEUVER AREA RESOURCES

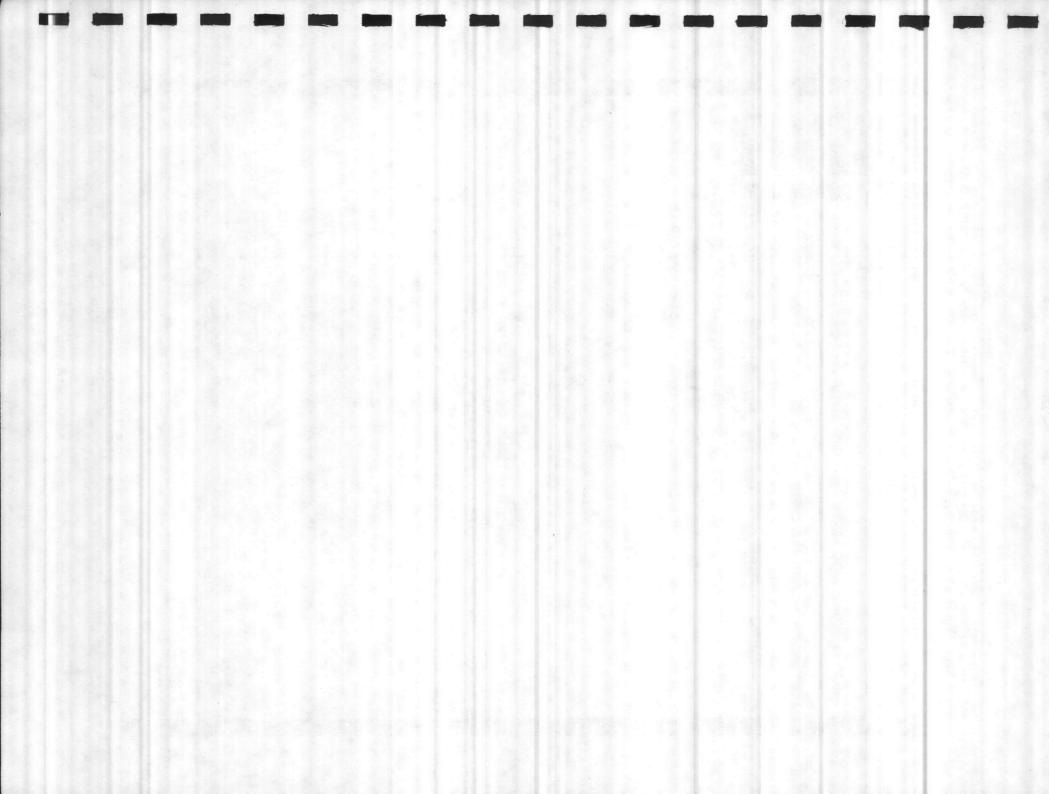
VOLUME 2 - MCB, CAMP LEJEUNE, NC/

MCAS, NEW RIVER, NC

PART I, SECTION 2

SEPTEMBER 30, 1987

BDM/NOR-87-0949-TR

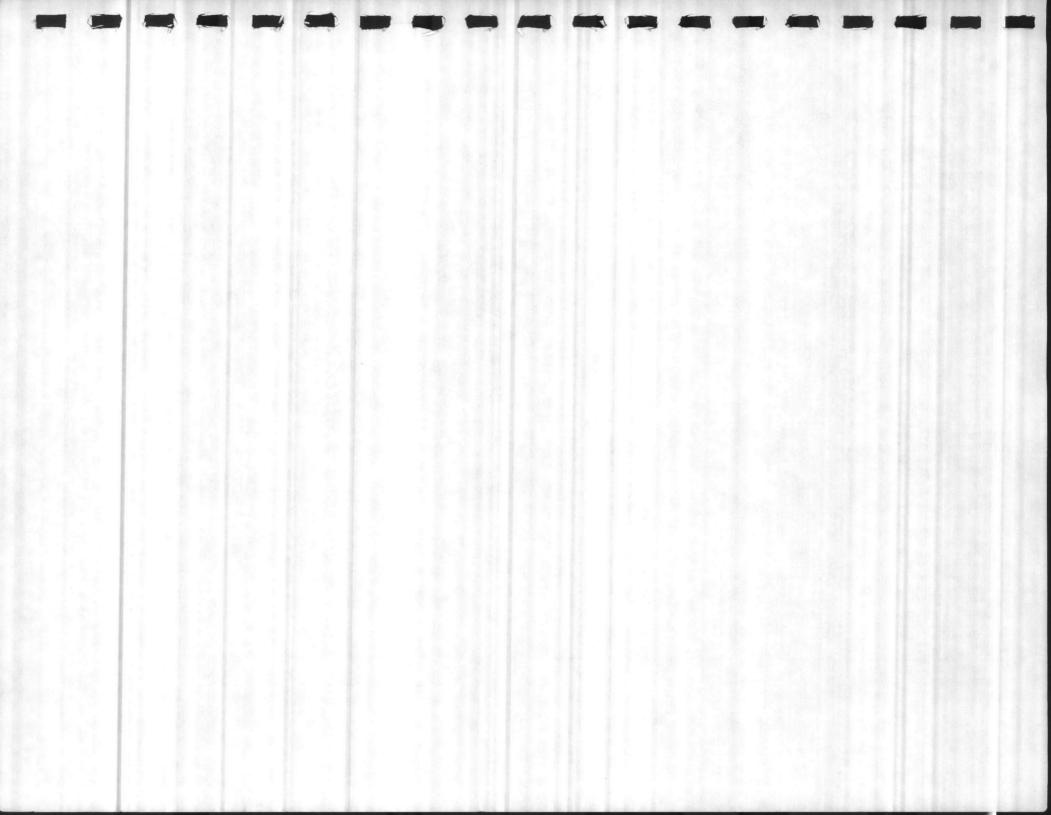


SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY: X Live-Fire Full Caliber Live-Fire Subcaliber
RANGE NAME AND LOCATION: K-326 EOD Range, MCB, Camp Lejeune, NC EOD Range INSTRUCTIONS: One form for each range/facility/simulator	Simulator Maneuver Area Associated Air Space Other
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 Associated Air Space	1.55 X 1.55 Undefined To 17,999 ft; 399 sq km TP817365		
Safety Buffer Rear (km)	 NA 		
Number of Firing Points/ Stations	 NA 		
Range Facilities Control Tower Communications System Target Shed. Utility Building Aid Station Parking Area Viewing Area	X X 		

FILE NAME: LP010050
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			
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Target Types Pop-up Stationary Moving Revolving	NA		
Are There Associated Simulation Devices? Yes, No, NA	NA		

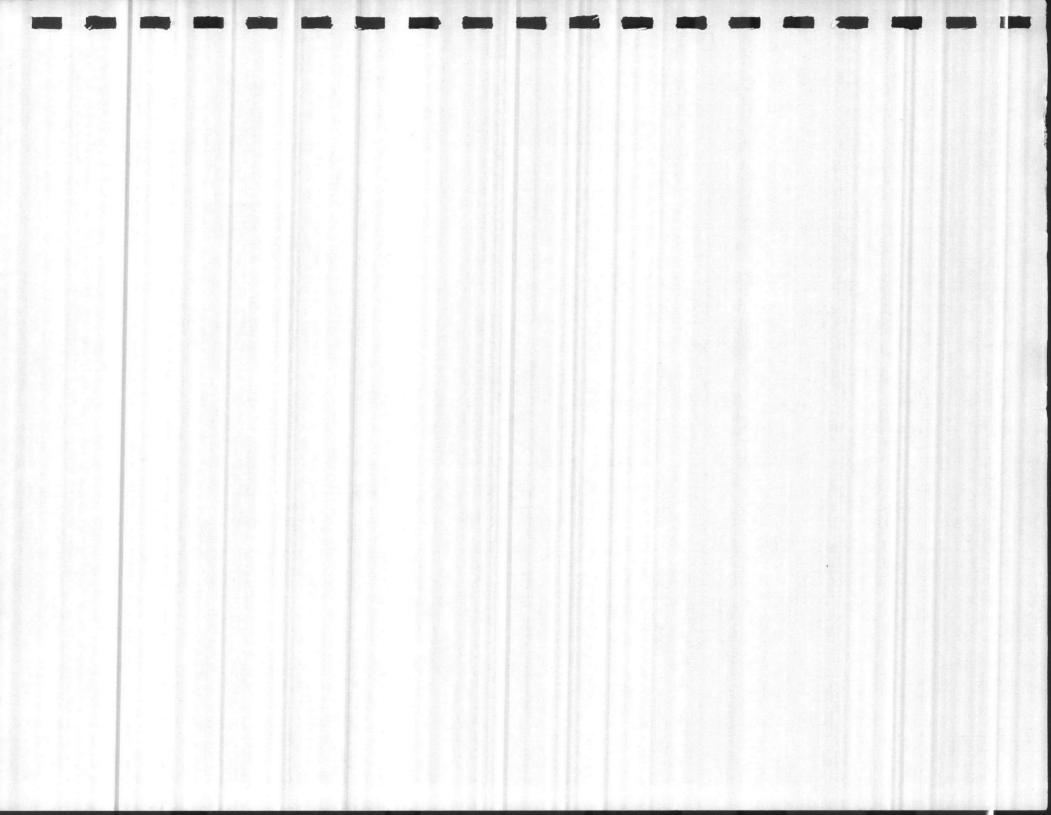
FILE	NAME:	LP010050

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PART I, SECTION 2
LIVE FIRE RANGE AND TRAINING RESOURCES
(LFRTS-P CONTINUED)



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	demolitions (50 lbs max), small arms ammunition testing		
Climate Seasonal Tropic Temperate Arctic Desert All-Weather (Indoor)	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	100	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010050
PAGE 3 OF 6 DATE: 03/05/87

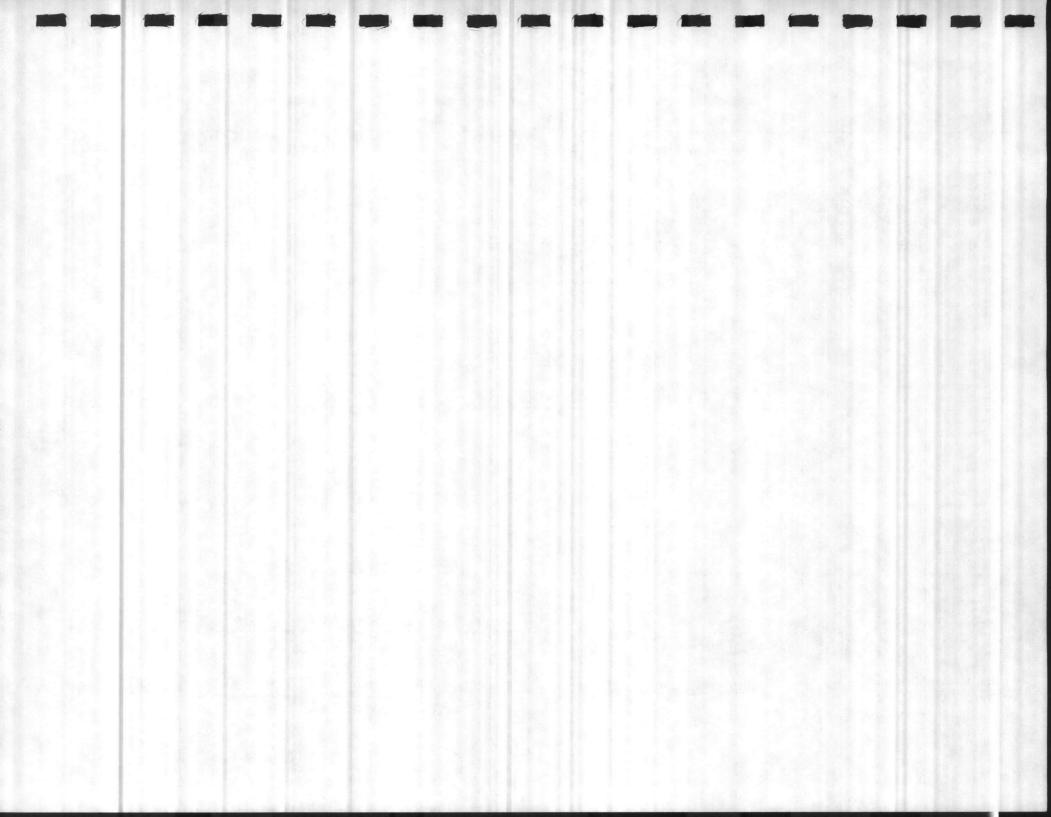
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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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)	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	NA		
Number of Days per Year the Range/Facility is Available	365		
Is Range/Facility Capable of Nighttime Use? Yes, No	Yes		

FILE NAME: LP01005	n

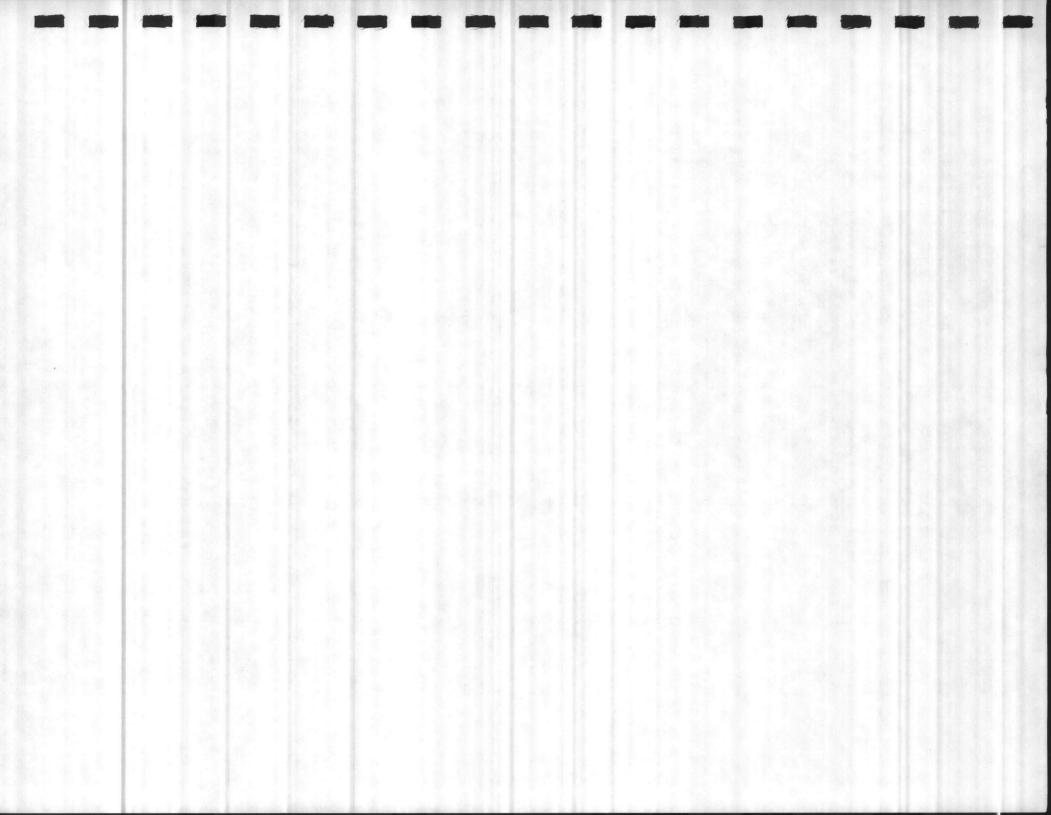
PAGE 4 OF 6 DATE: 03/05/87



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
	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 EOD demolition range only		
Are There Site-unique Requirements Placed on Using Units? Yes, No, Explain	NA .		

FILE NAME: LP010050 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	NA		

FILE NAME: LP010050 PAGE 6 OF 6 DATE: 03/05/87

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

SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY: X Live-Fire Full Caliber Live-Fire Subcaliber
RANGE NAME AND LOCATION: K-402 Fire and Movement Range, MCB, Camp Lejeune, NC Fire and 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	Simulator 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	1.7 X 1.4 SE To 17,999 ft; 399 sq km TP777349		
Safety Buffer Rear (km)	 NA 		
Number of Firing Points/ Stations	 8 		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area	X 		

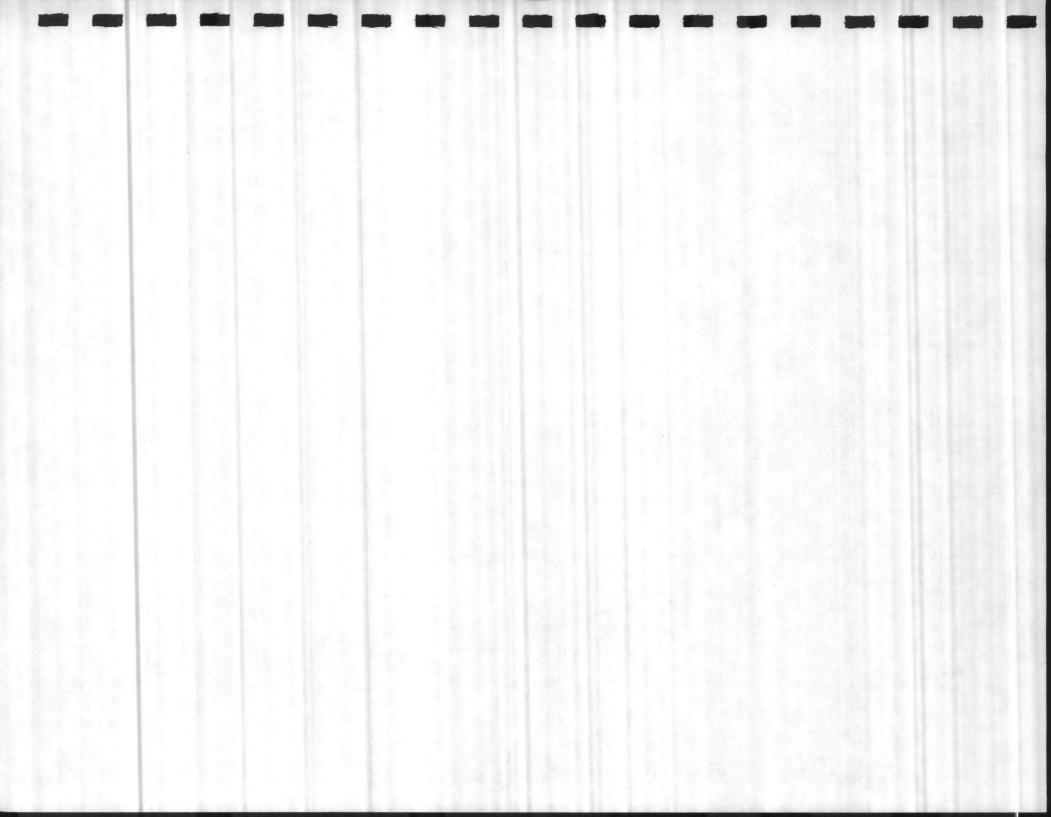
FILE NAME: LP010051 PAGE 1 OF 6 DATE:

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)
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	NA		
Target Types Pop-up Stationary Moving Revolving Other	х		
Are There Associated Simulation Devices? Yes, No, NA	NA .		

		네를 하는 것이 없는 것이 없는 것이다. 그렇게 하는 그리고 있는 것들은 사람들이 하는 것이 하는 것이다. 그런 그렇게 하는 것이 없는 것이다.	가는 많은 이렇게 보고 그렇게 되고 있다. 그런 사람들은 그렇게 되는 그렇게 되었다.
FILE NAME:	LP010051		
PAGE 2 OF 6	6 DATE: 03/05/87	RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.	LFRTS-P-000



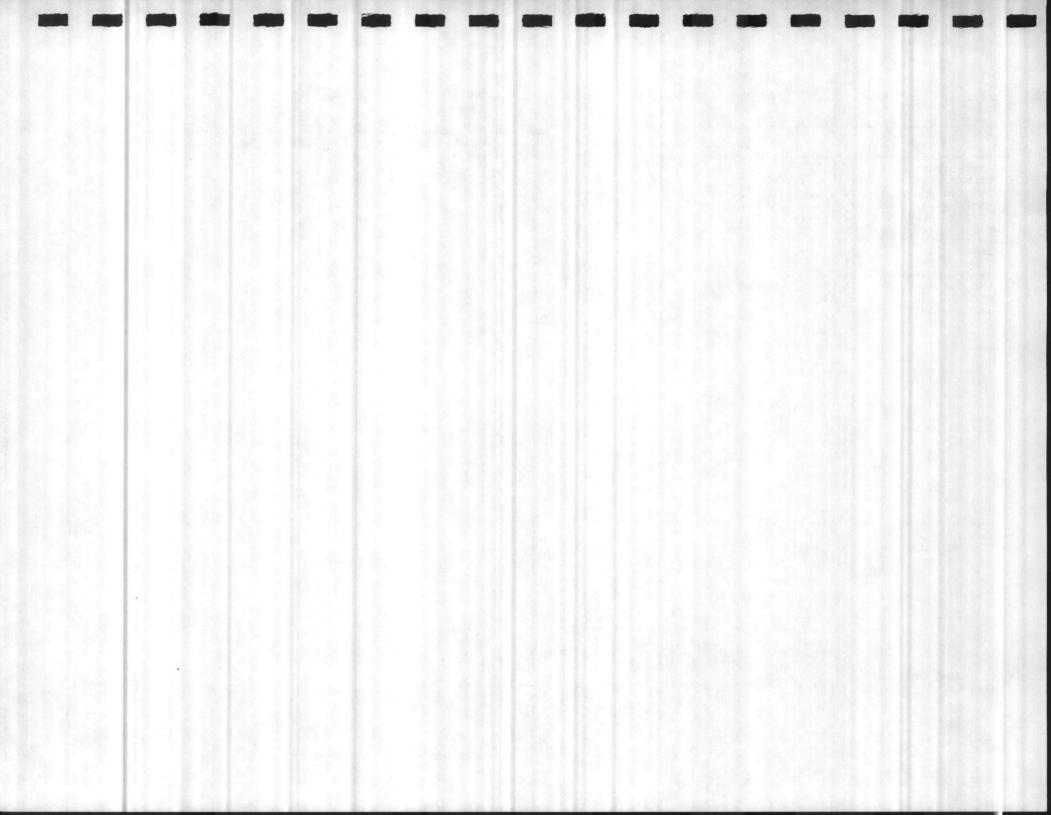
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	M16, M60, 1/4-lb demolitions,		
Climate Seasonal		NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level	100 	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock	100 	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010051 PAGE 3 OF 6 DATE: DATE: 03/05/87

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)	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	340		
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

FILE	NAME:	LP010051

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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		0	0
Other Ranges Which Must Be Closed When This Range is in Use	K-402A, K-407		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes No maneuver when K-407 is in use		•
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	Yes Limit of advance is 400 m		

FILE NAME: LP010051

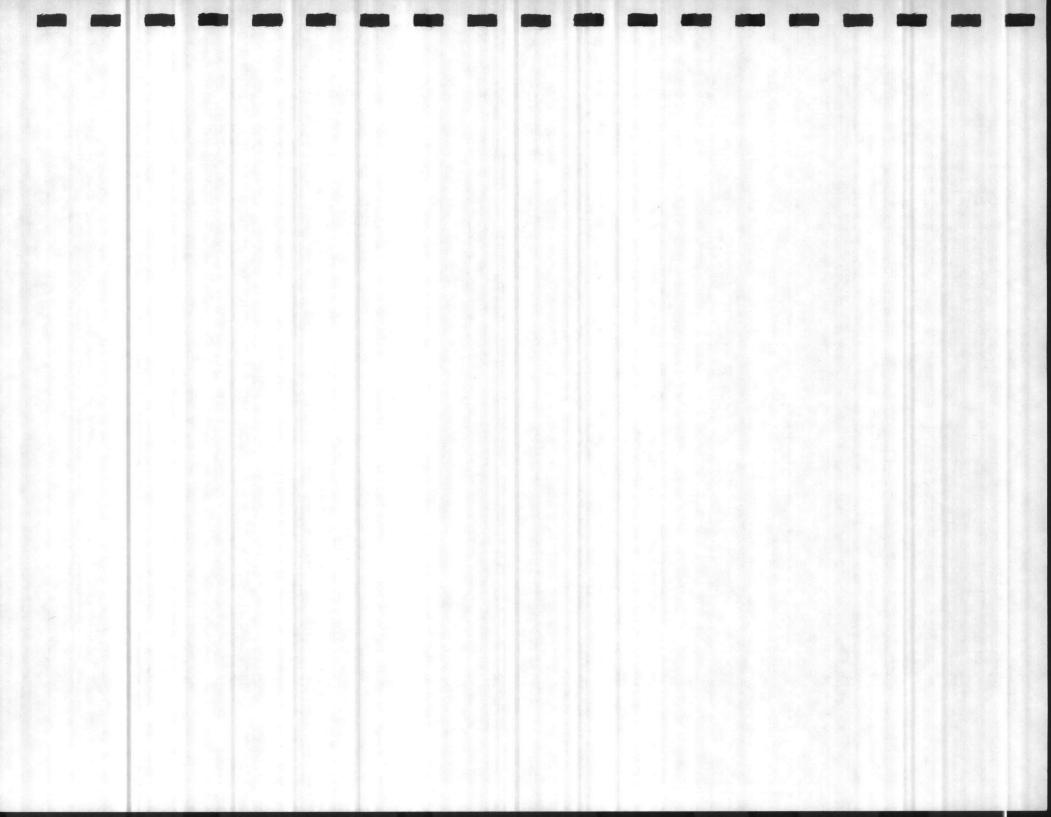
PAGE 5 OF 6 DATE: 03/05/87

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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	NA		

FILE NAME: LP010051
PAGE 6 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY:
병생, 현리에 어떤 시간을 하는 생각이 되었다. 그리고 아이를 내려왔다면 하는 사람이 되었다. 그들은 이 아이를 가고 있는 때문에 없는 사람이 없다.	X Live-Fire Full Caliber
	Live-Fire Subcaliber
RANGE NAME AND LOCATION: K-402A Search and Kill Range (Michelin City), MCB, Camp Lejeune, NC	Simulator
Search and Kill Range	Maneuver Area
INSTRUCTIONS:	Associated Air Space
One form for each range/facility/simulator	Other
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)
Dimensions (km)	Structure of tires and sand Inside of structure To 17,999 ft; 399 sq km		
Safety Buffer Rear (km)	NA		
Number of Firing Points/ Stations	2		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area	x		

FILE NAME: LP010052 PAGE 1 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)
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	NA		
Are There Associated Simulation Devices? Yes, No, NA	NA		

FILE	NAME:	LP010052

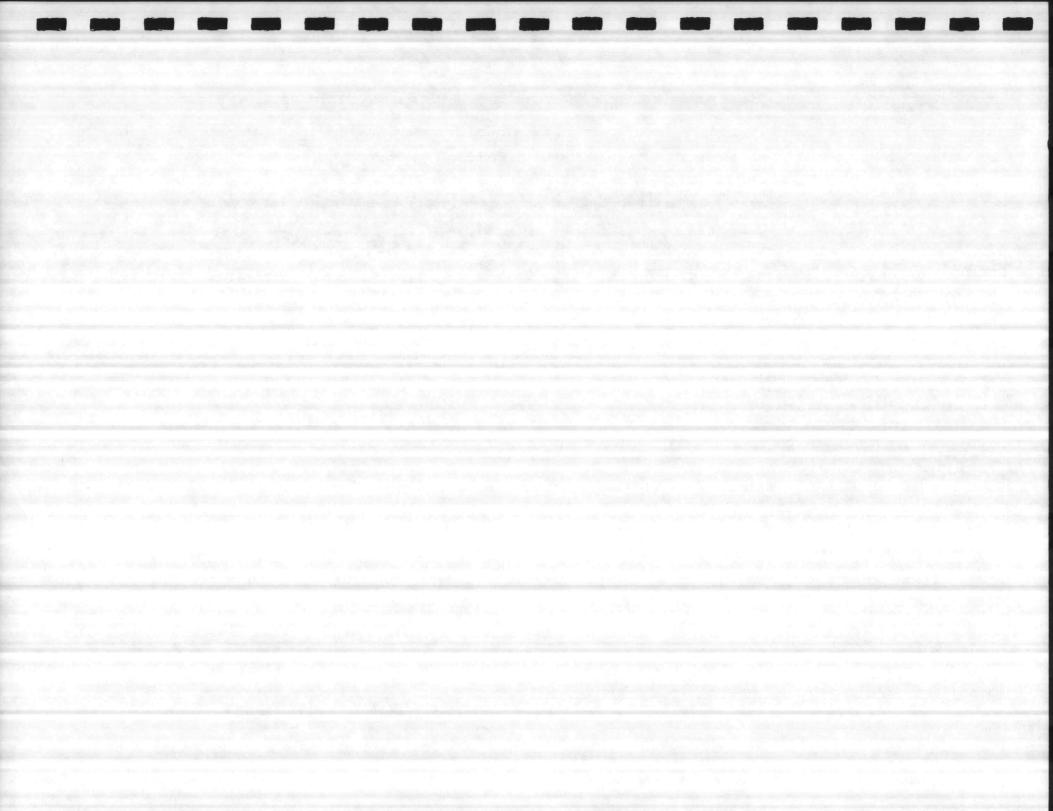
PAGE 2 OF 6 DATE: 03/05/87

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, M60, M16 ball, M16 blanks, HE fragmentation grenades, practice hand grenades		
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	100 	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010052
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RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

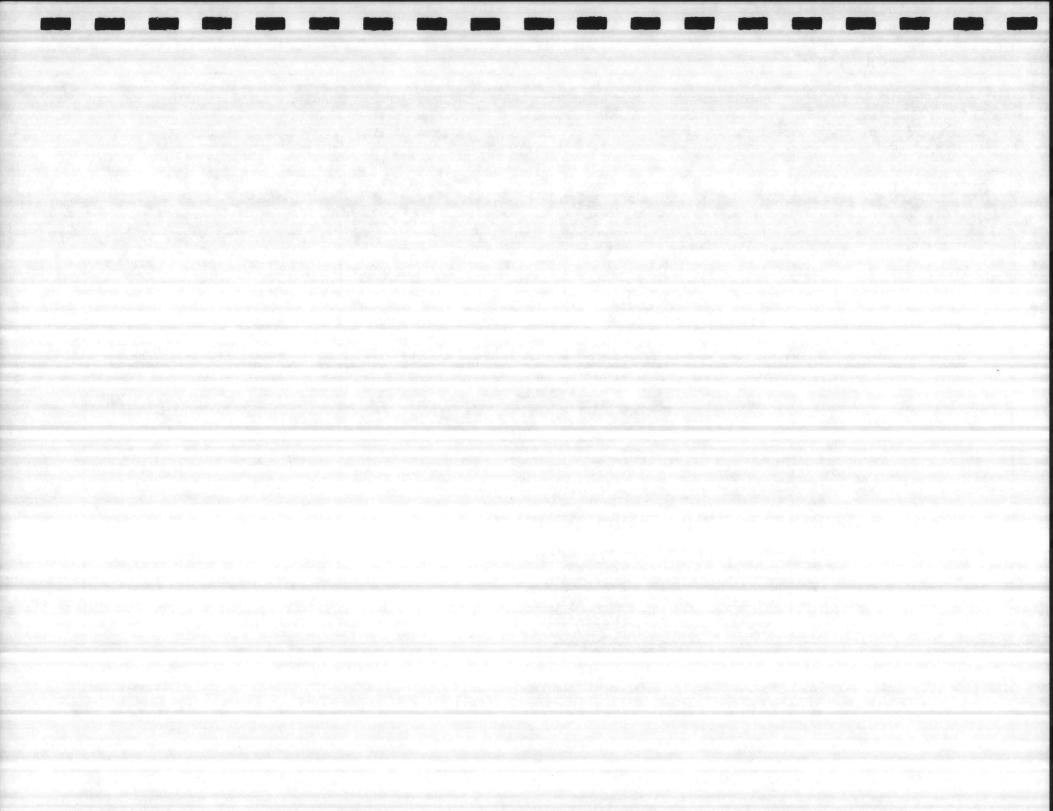


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
Ammunition (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	150		
Number of Days per Year the Range/Facility is Available	350		
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

FILE	NAME:	LP010052

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

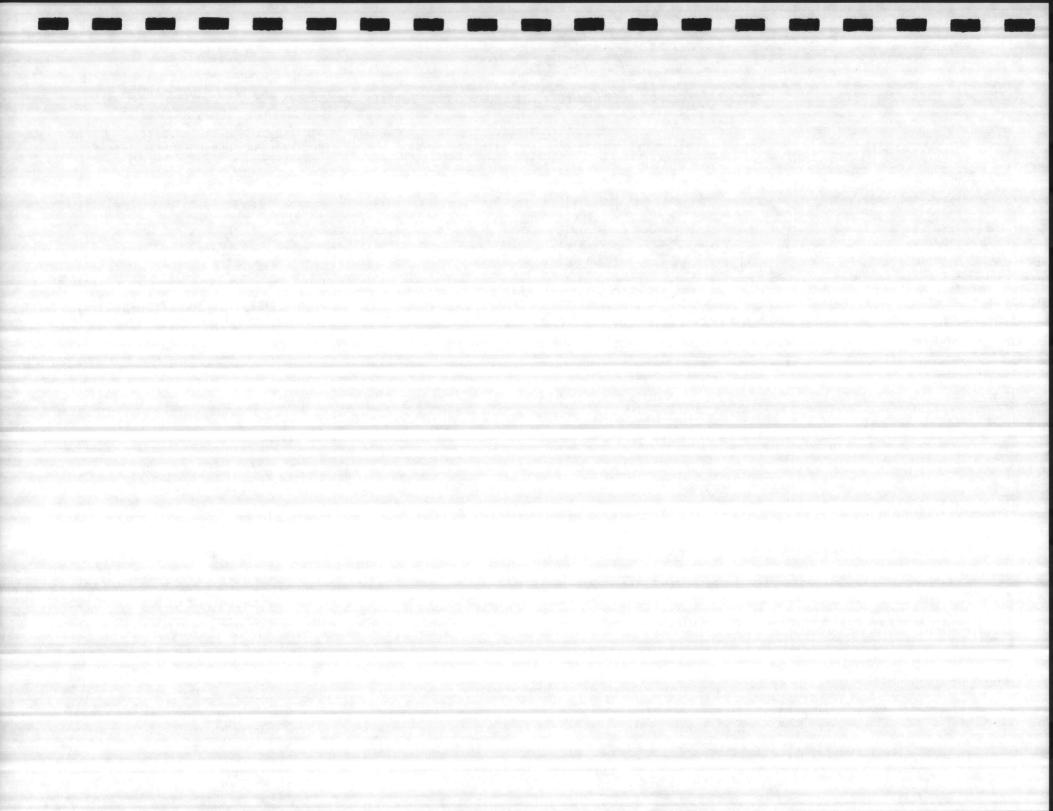


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	15	0	0
Other Ranges Which Must Be Closed When This Range is in Use	K-402		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes Notify RCDO of duds and cease fire until EOD disposes of dud		
Are There Site-unique Requirements Placed on Using Units? Yes, No, Explain	Yes No grenades thrown 1 hour prior to dusk		

FILE	NAME:	LP010052

PAGE 5 OF 6 DATE: 03/05/87

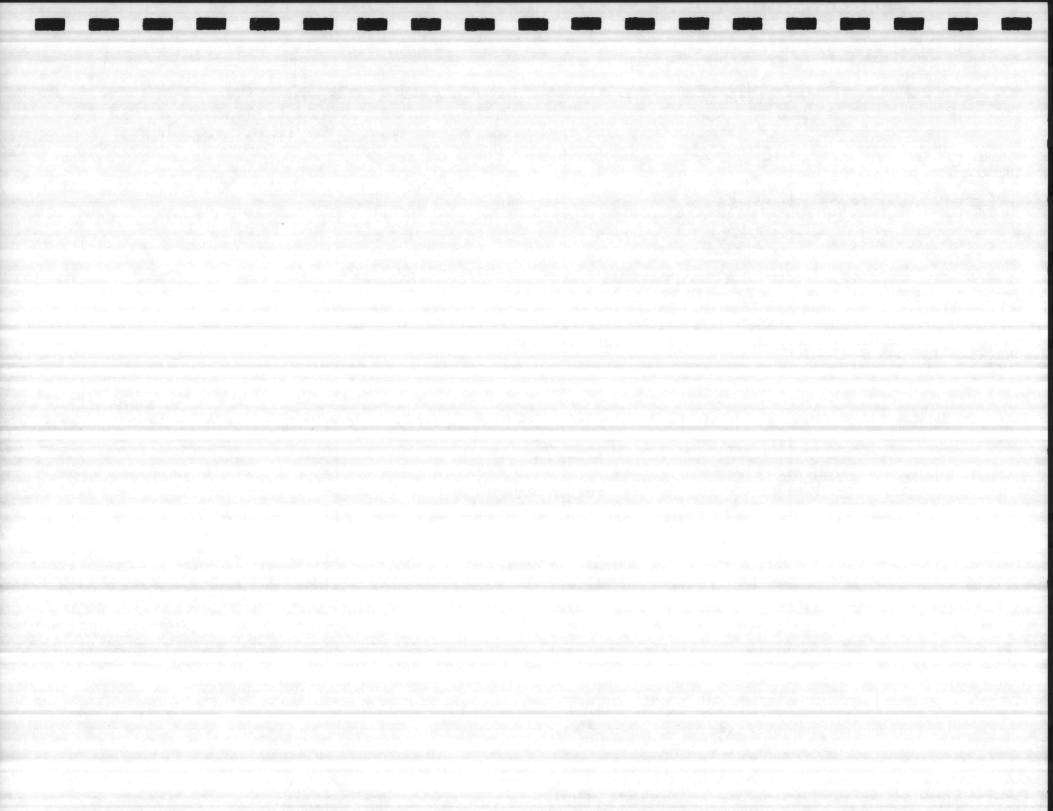
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



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

FILE NAME: LP010052 PAGE 6 OF 6 DATE: 03/05/87

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

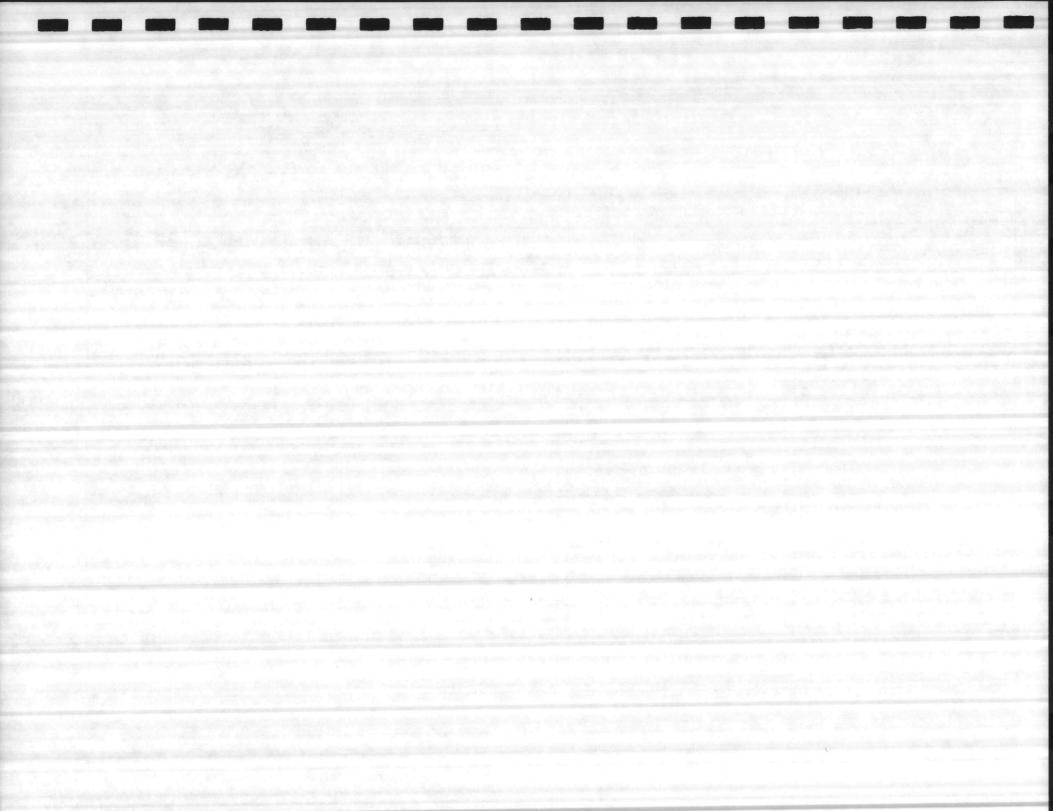


SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY: X Live-Fire Full Caliber Live-Fire Subcaliber
RANGE NAME AND LOCATION: K-405 Hand Grenade Range, MCB, Camp Lejeune, NC Hand Grenade Range INSTRUCTIONS:	Simulator Maneuver Area Associated Air Space
One form for each range/facility/simulator	Other
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 Associated Air Space	1.7 X 1.18 SW To 17,999 ft; 399 sq km TP775348		
Safety Buffer Rear (km)Sides (km)	NA		
Number of Firing Points/ Stations	6		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area	X		

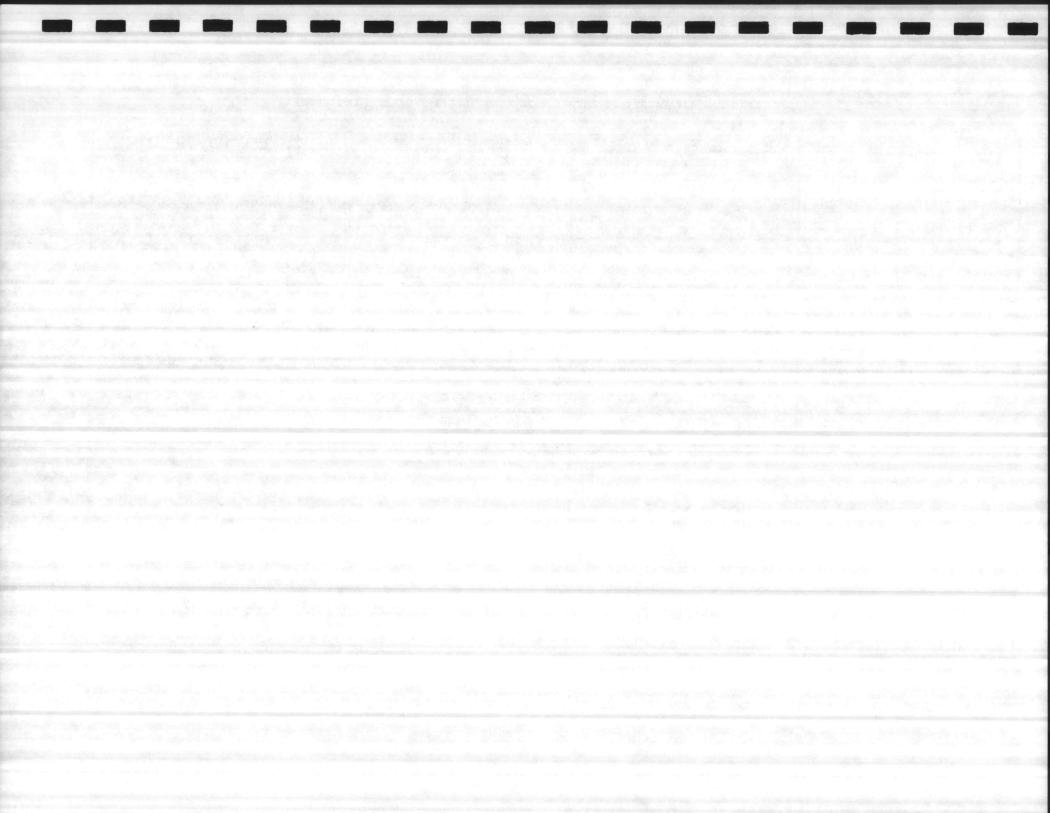
FILE NAME: LP010053
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RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



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

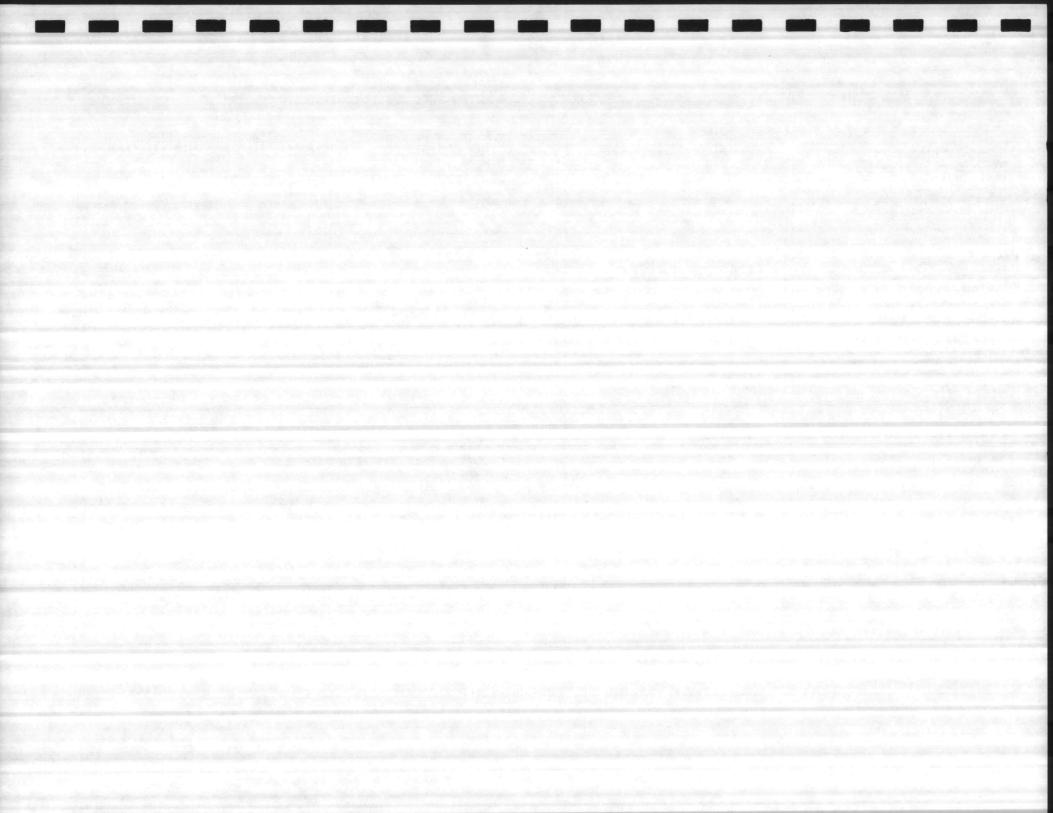
FILE NAME: LP010053
PAGE 2 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	hand grenades		
Climate Seasonal	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	100	NOT APPLICABLE	NOT APPLICABLE

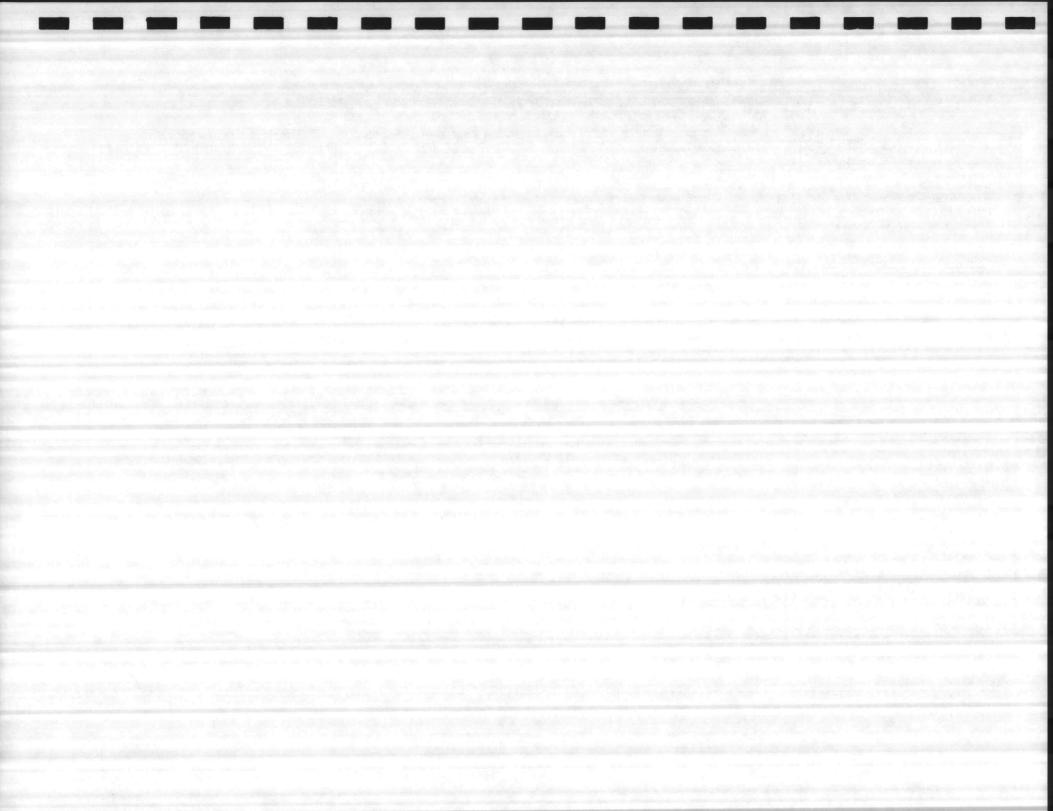
FILE NAME: LP010053
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RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



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)			
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	355		
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

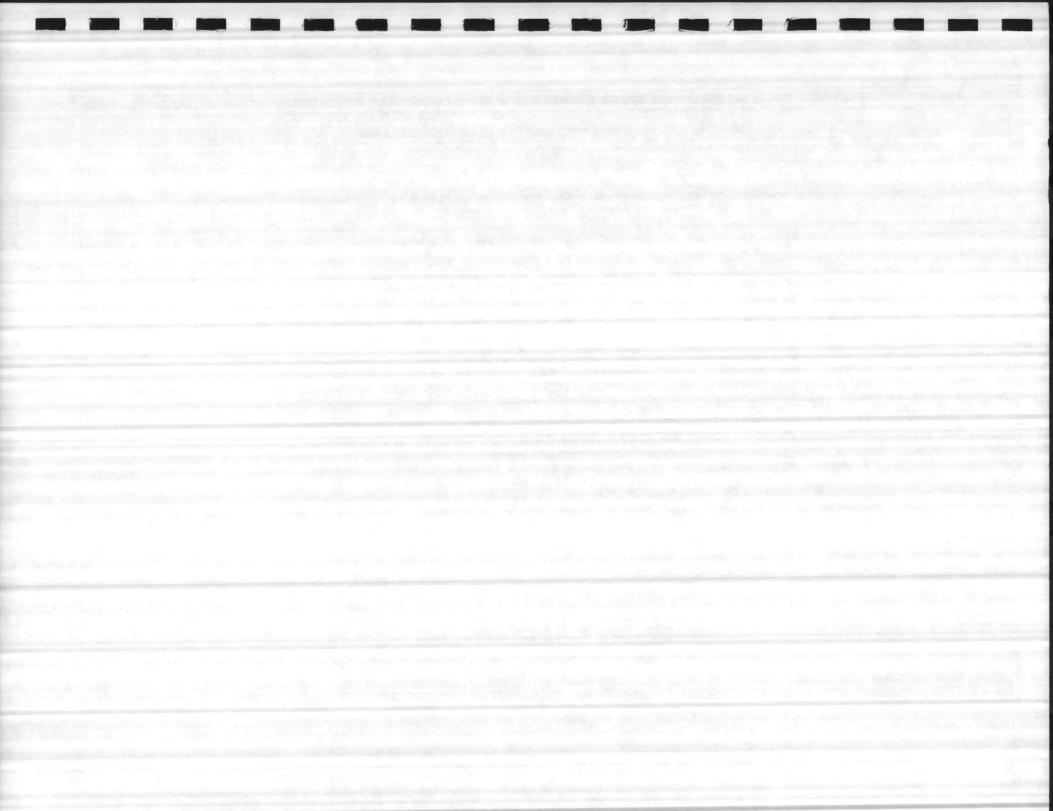
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total	10	0	0
Other Ranges Which Must Be Closed When This Range is in Use	NA		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes Not more than one grenade thrown at a time Use every other pit		
Are There Site-unique Requirements Placed on Using Units? Yes, No, Explain	Yes Hand grenades will not be thrown after 1 hour prior to dusk		

FILE NAME: LP010053
PAGE 5 OF 6 DATE: 03/05/87

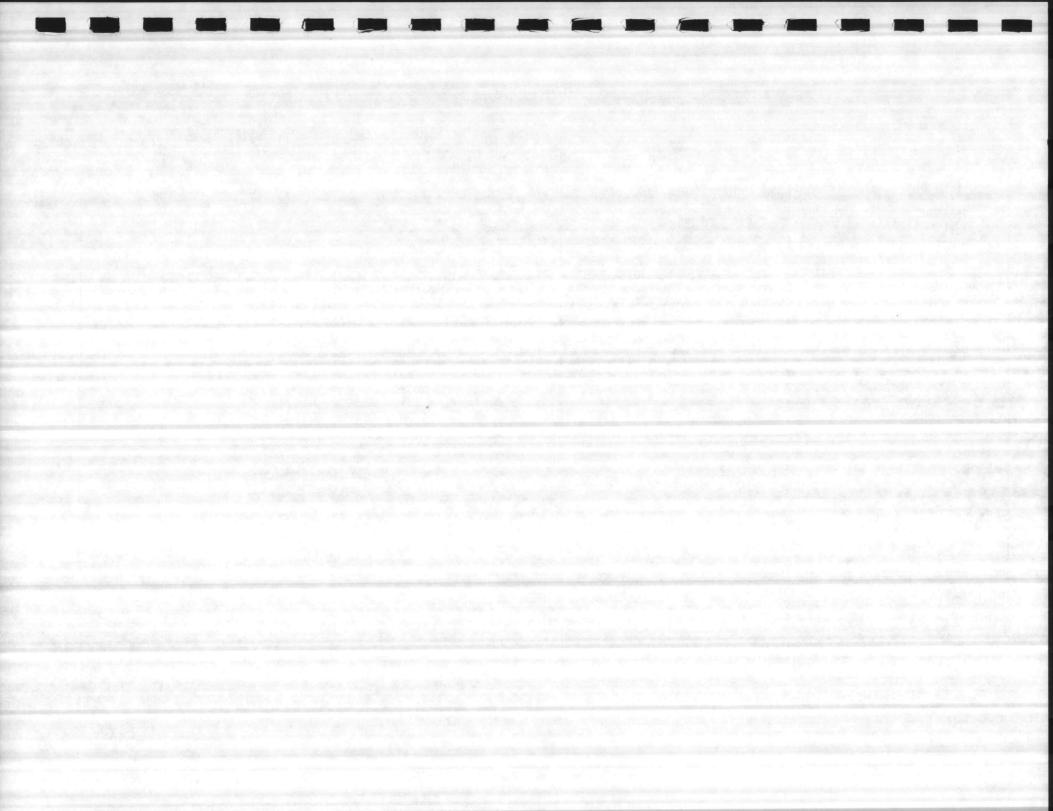
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Restrictions on Range Use EnvironmentalAICUZFAA.	NA		
Noise			
Other			

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

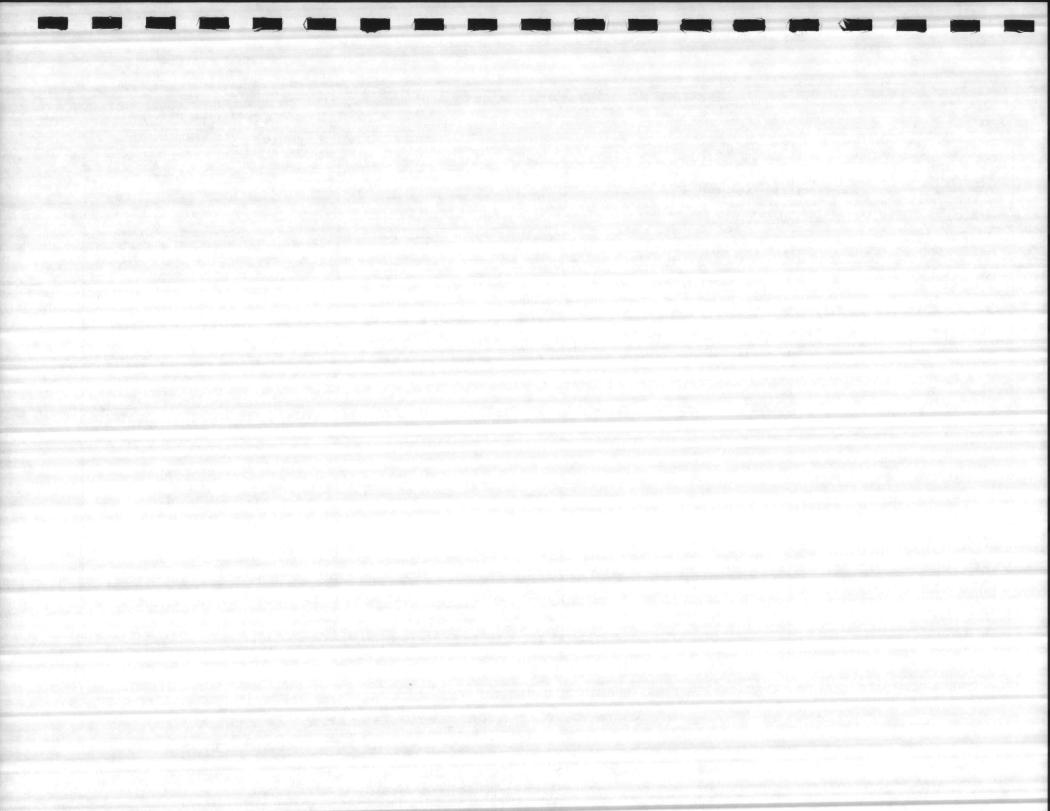


SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY: X Live-Fire Full Caliber Live-Fire Subcaliber
RANGE NAME AND LOCATION: K-406A Cover and Clear Range, MCB, Camp Lejeune, NC Cover and Clear Range INSTRUCTIONS:	Simulator Maneuver Area Associated Air Space
One form for each range/facility/simulator Fill in data elements as appropriate Use right column for new or improved ranges needed	Other

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km)	1.5 x 1.2		
Primary Direction of Fire	E		
Associated Air Space	To 17,999 ft; 399 sq km		
Coordinates	TP773445		
Safety Buffer Rear (km)Sides (km)	NA		
Number of Firing Points/ Stations	6		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area			

FILE NAME: LP010054
PAGE 1 OF 6 DATE: 03/05/87

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

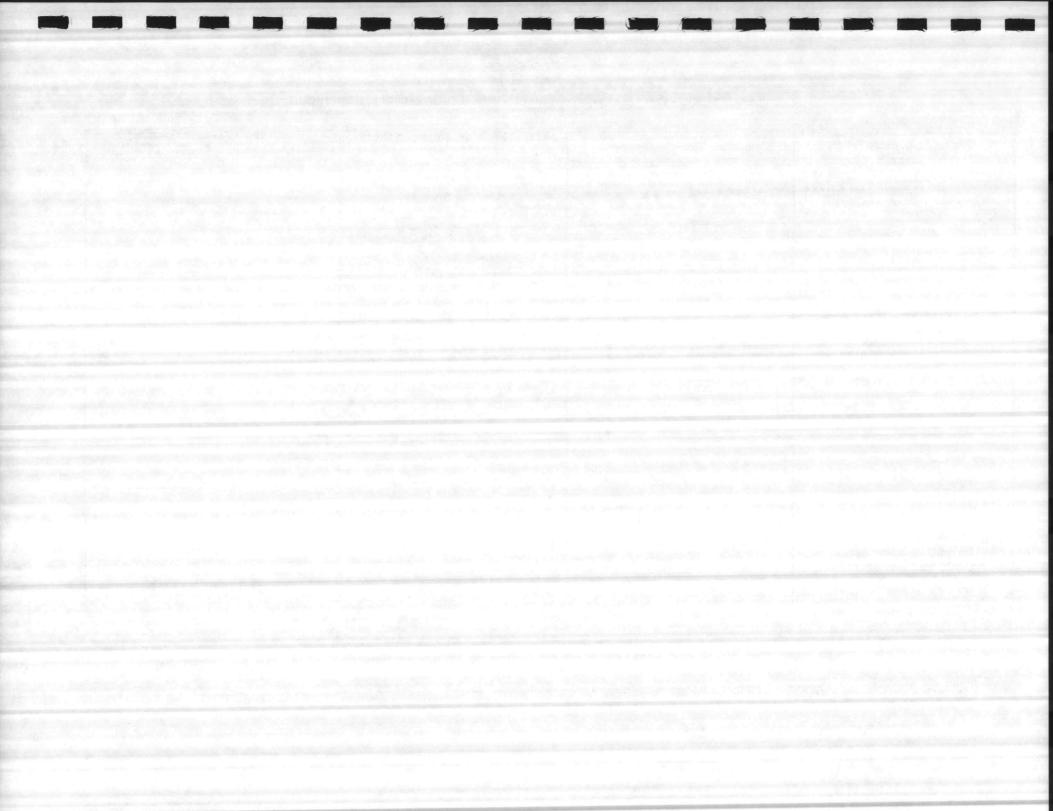


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site	X		
Telemetry Instrumentation 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		

FILE	NAME:	LP010054
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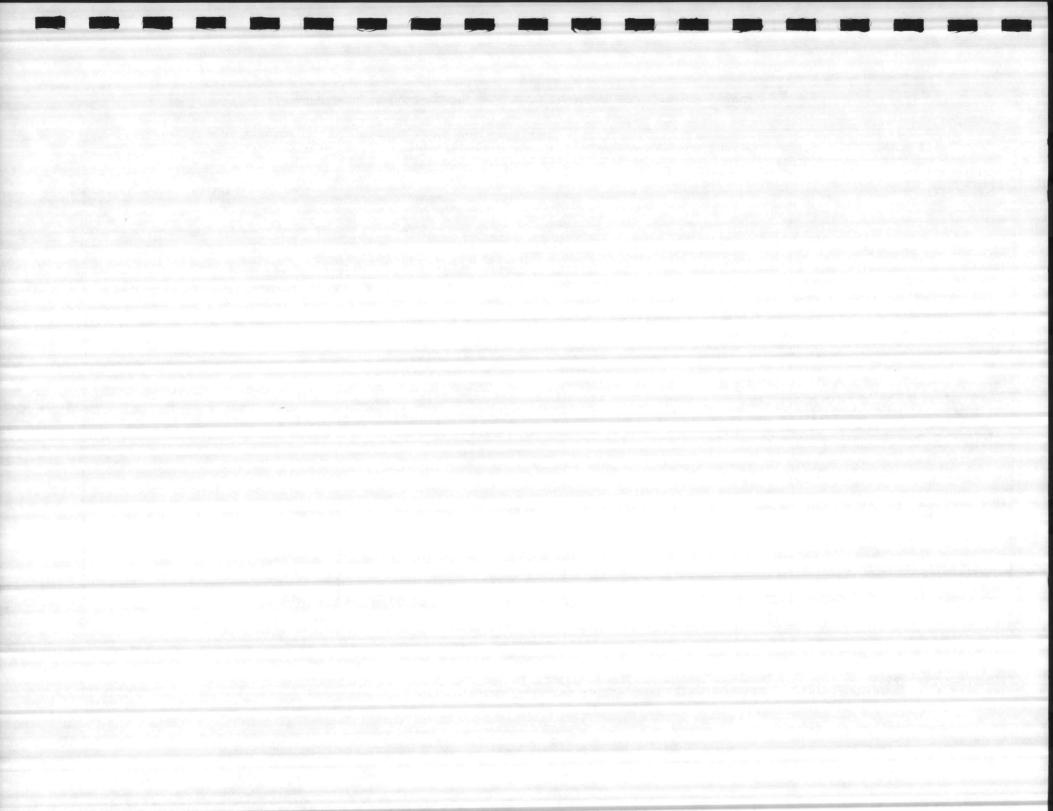
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	9-mm, .38-cal, .45-cal, M16, shotgun		
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

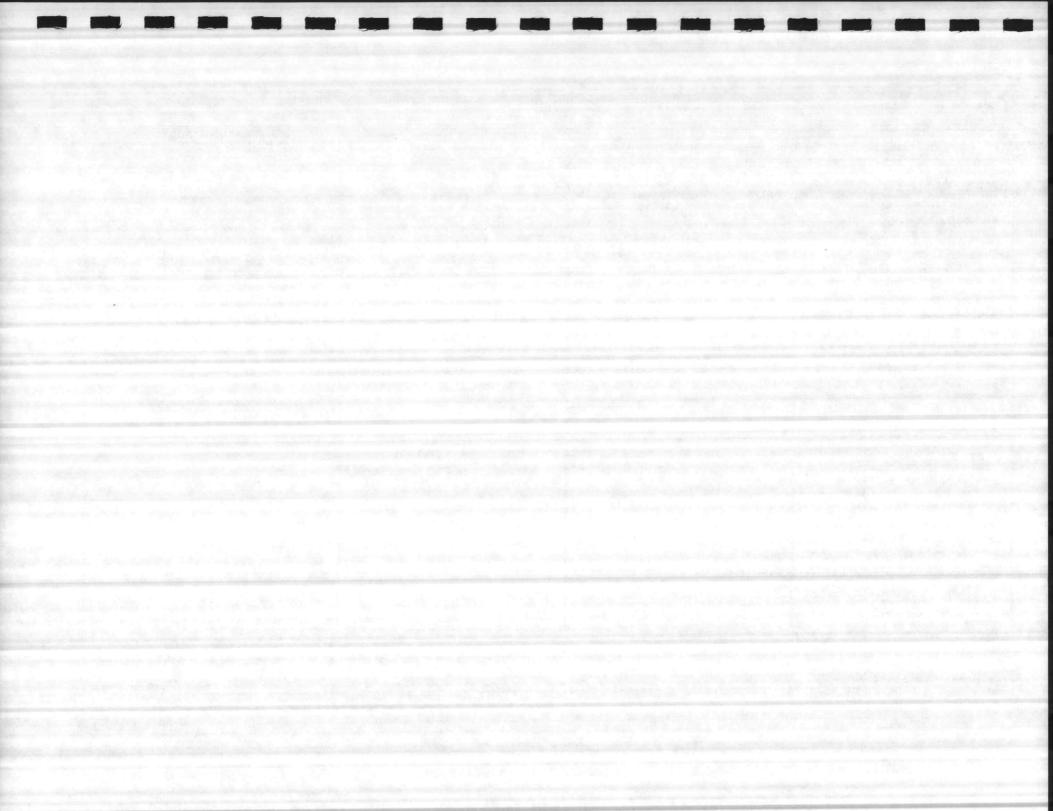
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RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



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)	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	355		
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

FILE NAME:	LP010054			1 BDMC B 000
DACE 4 OF 6	DATE:	03/05/87	RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.	LFRTS-P-000

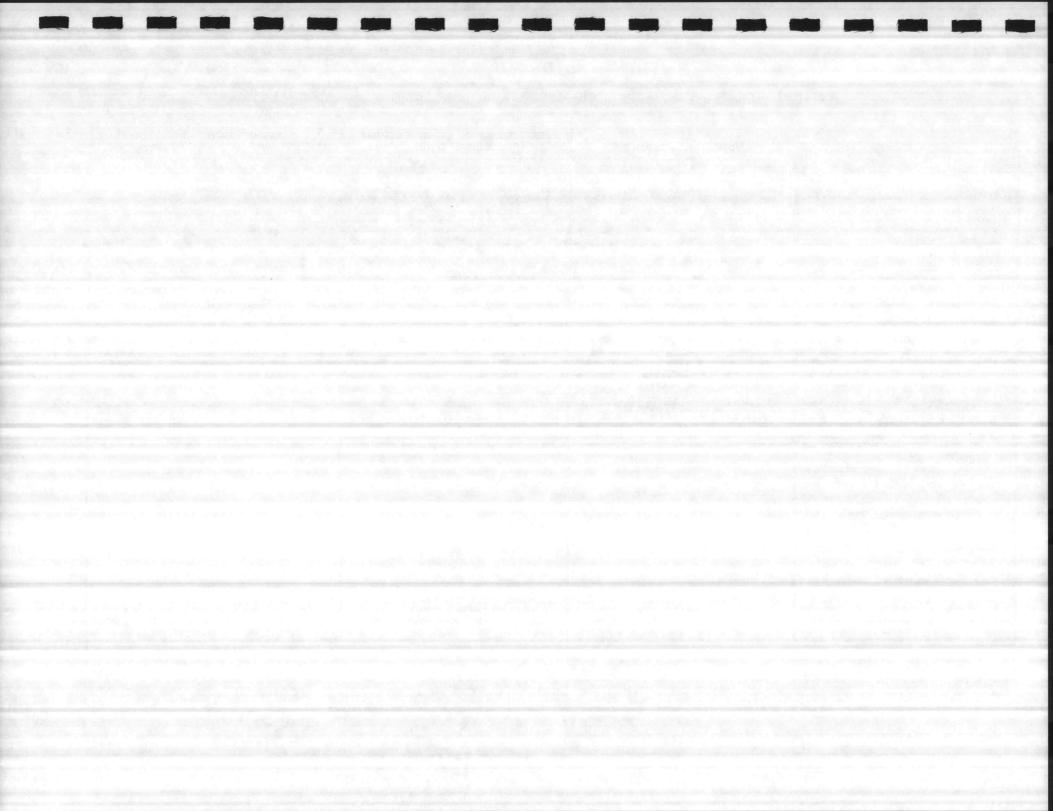


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total	10 10	0	0
Other Ranges Which Must Be Closed When This Range is in Use	K-407		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes All teams receive a walk- through		
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	Yes No mixture of ammunition permitted		

7	TIR	NAME:	LP01005	A
	LLIE	MAPLE	TEATORS	м,

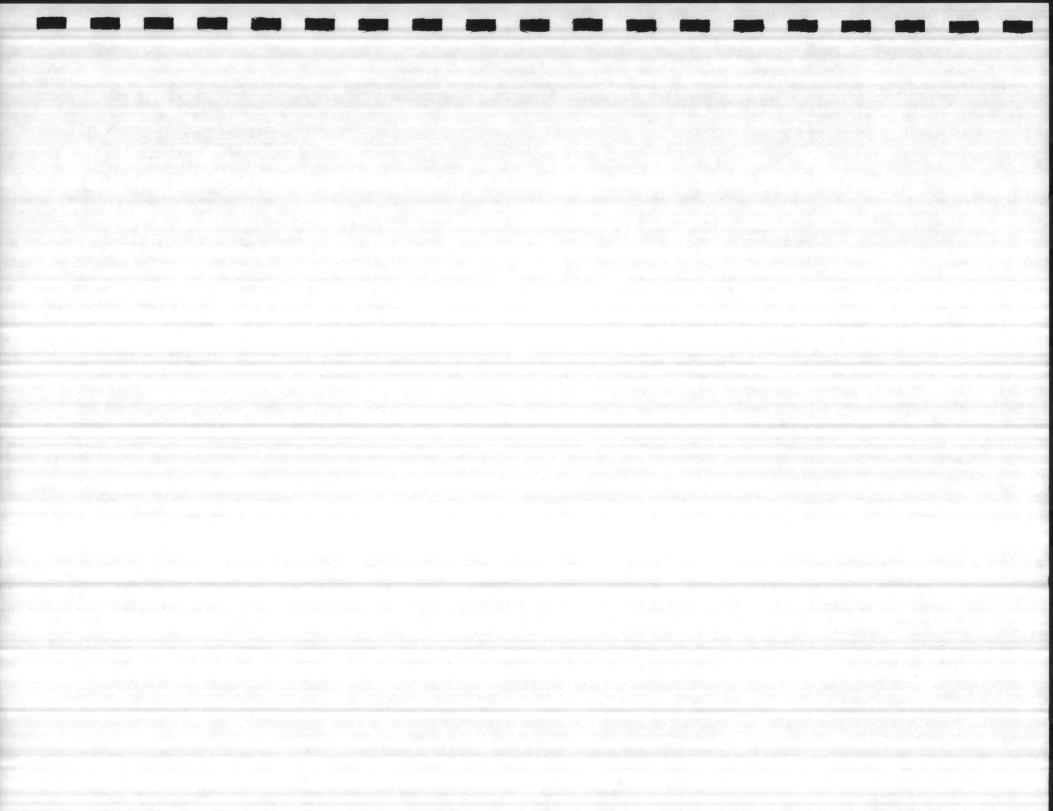
PAGE 5 OF 6 DATE: 03/05/87

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



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
	NA		
Environmental			
FAA Noise	and a little of the second and a		
Gas/Chemical Pyrotechnics/Flare Time of Day Time of Year			
Other			
		클리트 기사는 호투 원생하는 나요	
		da an inggrape areas in a significant an activitation as	
	맛있게 되었다는 계약하다	지 않는 것이 되었다는 것이 생활하는데 있다. 이 상황하는 생각이 생활하는 것이 되었다면 있다면 하는데 있다면 하는데 없다.	
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FILE NAME: LP010054
PAGE 6 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.____

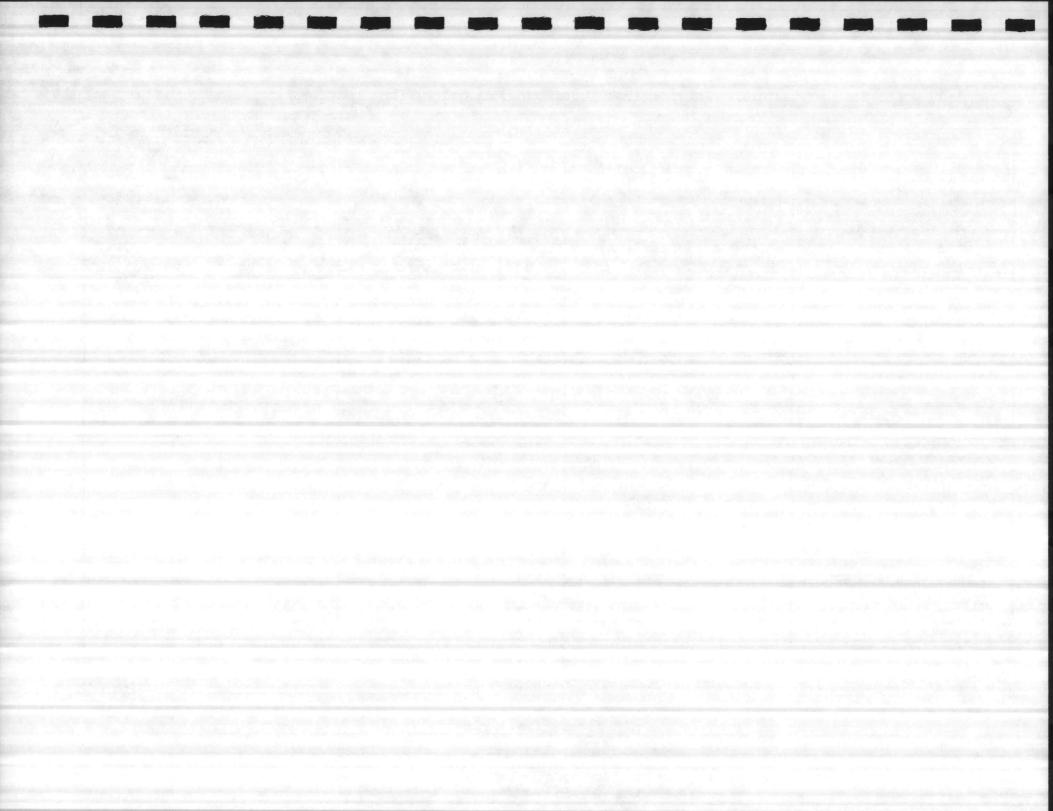


SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY: X Live-Fire Full Caliber Live-Fire Subcaliber
RANGE NAME AND LOCATION: K-406B Friend/Foe Reaction Range, MCB, Camp Lejeune, NC Friend/Foe Reaction Range INSTRUCTIONS:	Simulator Maneuver Area Associated Air Space
One form for each range/facility/simulator Fill in data elements as appropriate Use right column for new or improved ranges needed	Other

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Primary Direction of Fire Associated Air Space	1.45 X 1.2 E To 17,999 ft; 399 sq km TP773445		
Safety Buffer Rear (km)	NA		
Sides (km)			
Number of Firing Points/ Stations	14		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area			

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

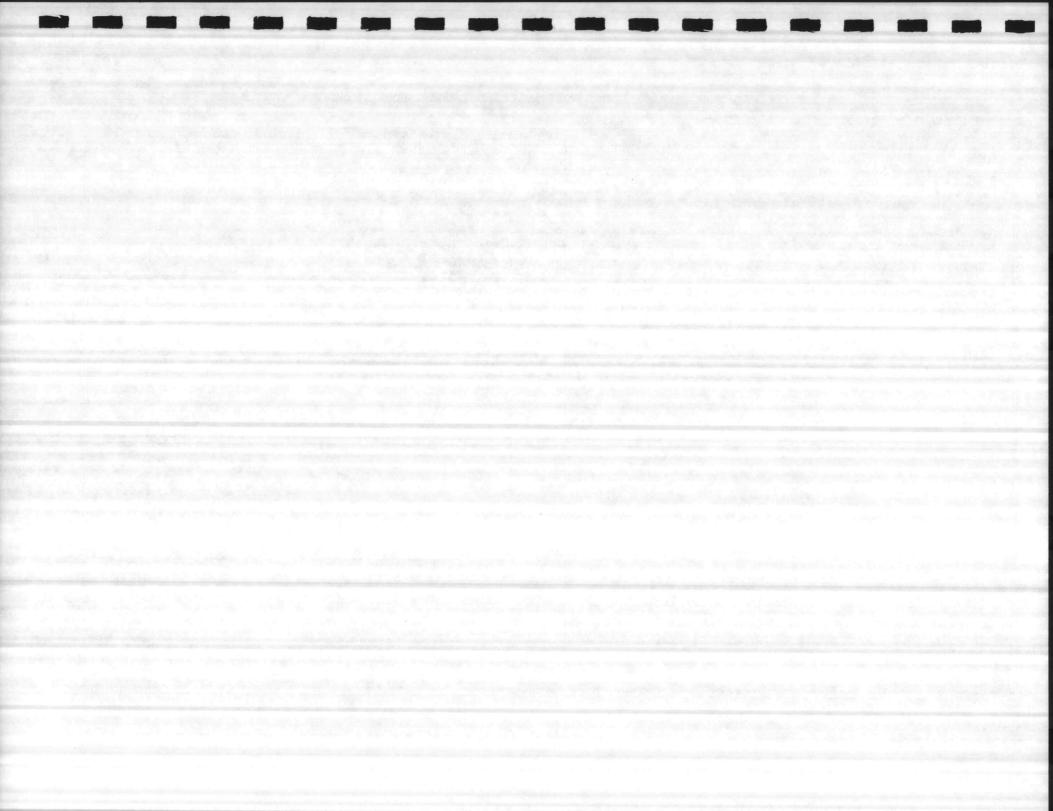


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site Other			
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	14 targets		
Target Types Pop-up Stationary Moving Revolving	x x		
Are There Associated Simulation Devices? Yes, No, NA	NA		

F	ILE	NAME:	LP010055

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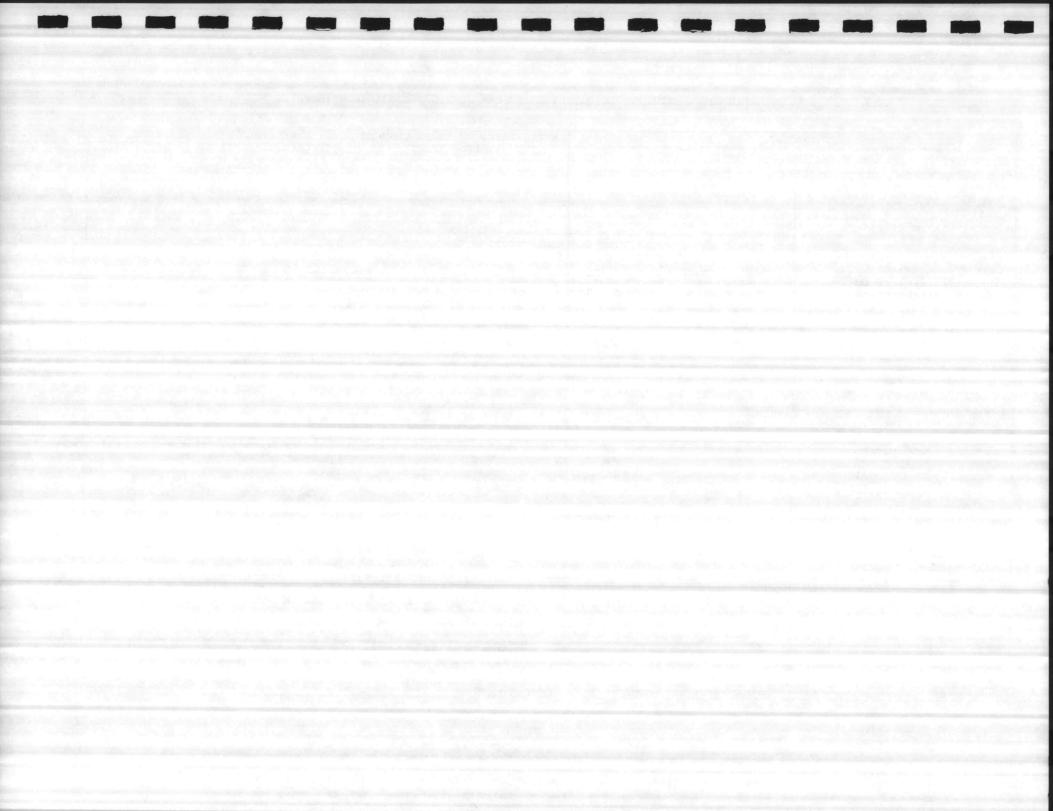
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	M16, SAW, pistol, revolver		
Climate Seasonal	X	NOT APPLICABLE	NOT APPLICABLE
Perrain 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

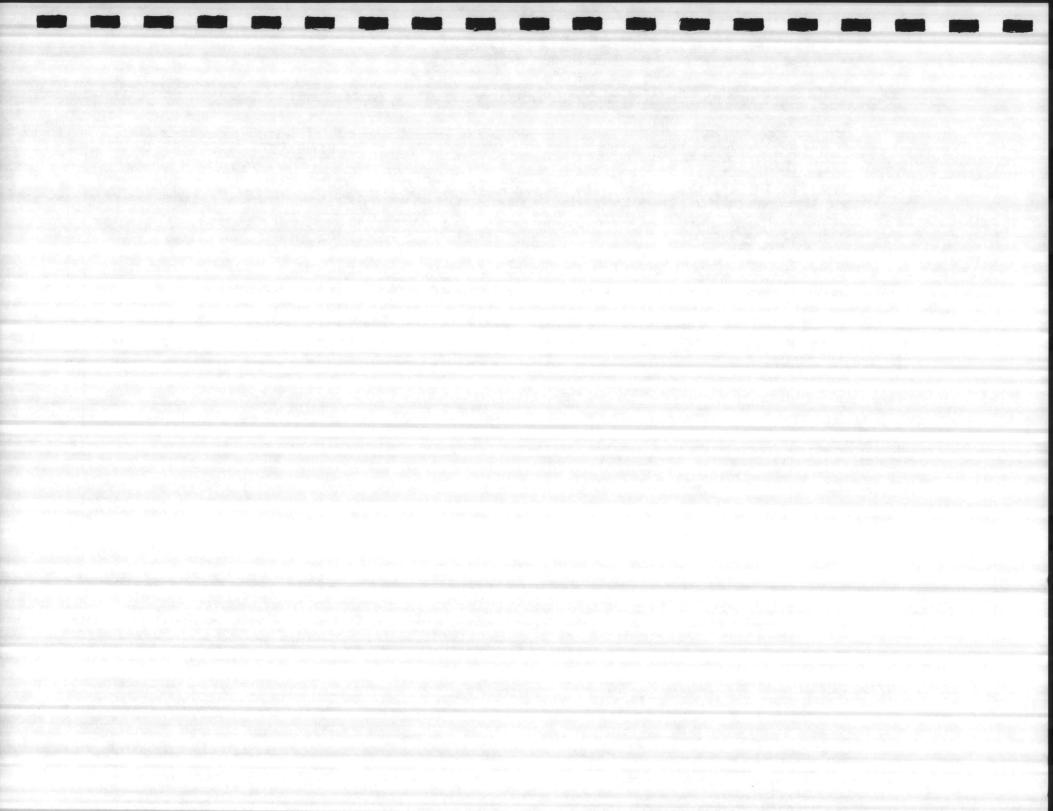
FILE NAME: LP010055
PAGE 3 OF 6 DATE: 03/05/87

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)	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	350		
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

FILE	NAME:	LP010055	
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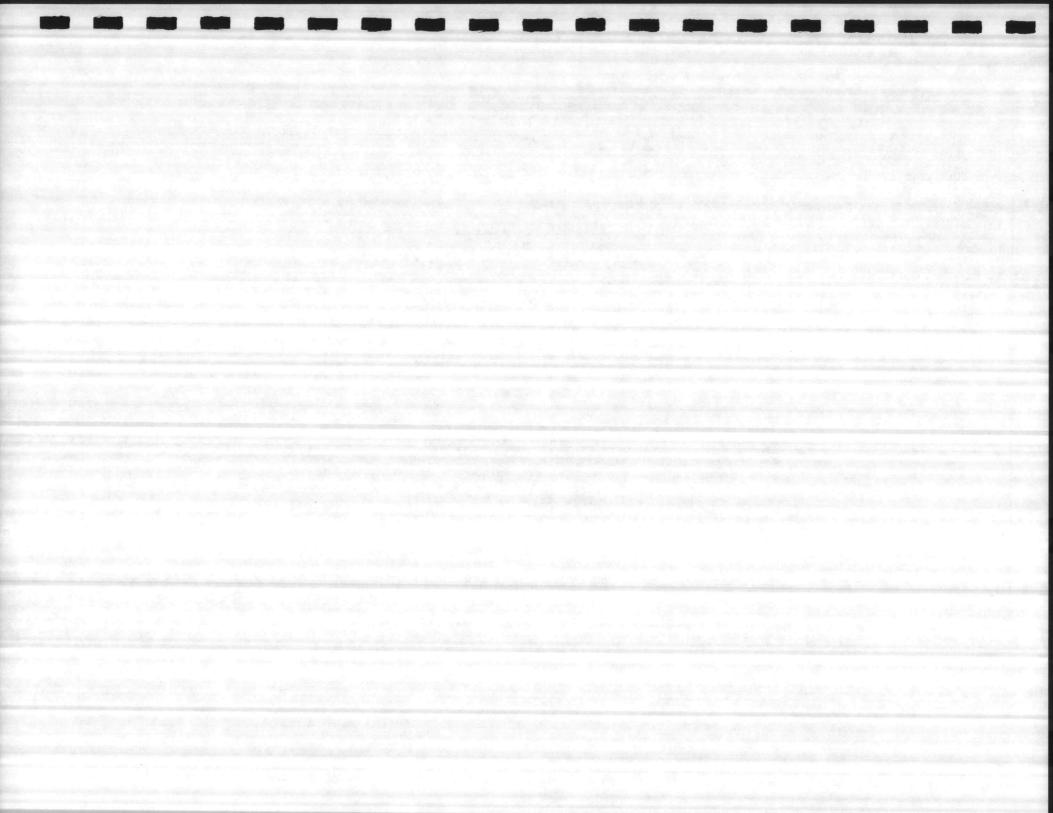


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
	15 15	0	0
Other Ranges Which Must Be Closed When This Range is in Use	K-407		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	NA		
Are There Site-unique Requirements Placed on Using Units? Yes, No, Explain	NA		

FILE	NAME:	LP010055

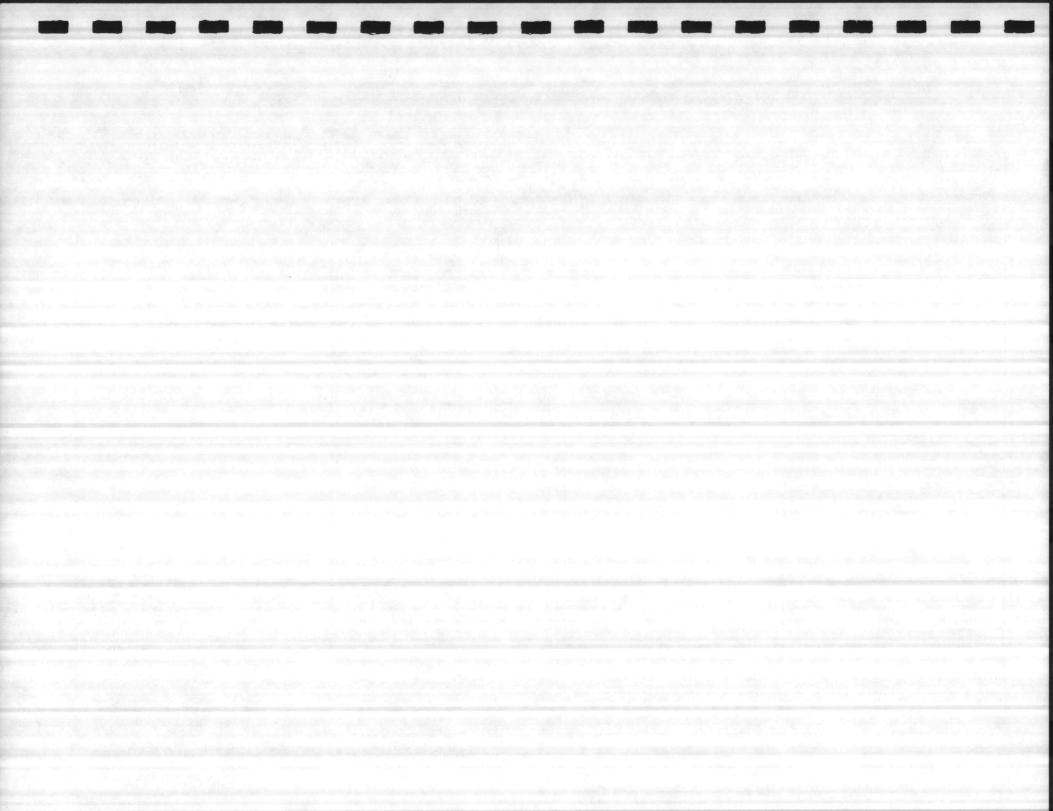
PAGE 5 OF 6 DATE: 03/05/87

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	NA		
FAA Noise Gas/Chemical Pyrotechnics/Flare Time of Day Time of Year.			
Other			
ILE NAME: LP010055			

FILE NAME: LP010055
PAGE 6 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY:
BobMillab Bi. D. C. Madhagen, Dir, Janet, in Tol India	X Live-Fire Full Calib
	Live-Fire Subcaliber
RANGE NAME AND LOCATION: K-407 Individual Quick Reaction Range, MCB, Camp	Lejeune, NC Simulator
	Maneuver Area
Individual Quick Reaction Range	Associated Air Space
INSTRUCTIONS:	A. M. H.
One form for each range/facility/simulator	Other

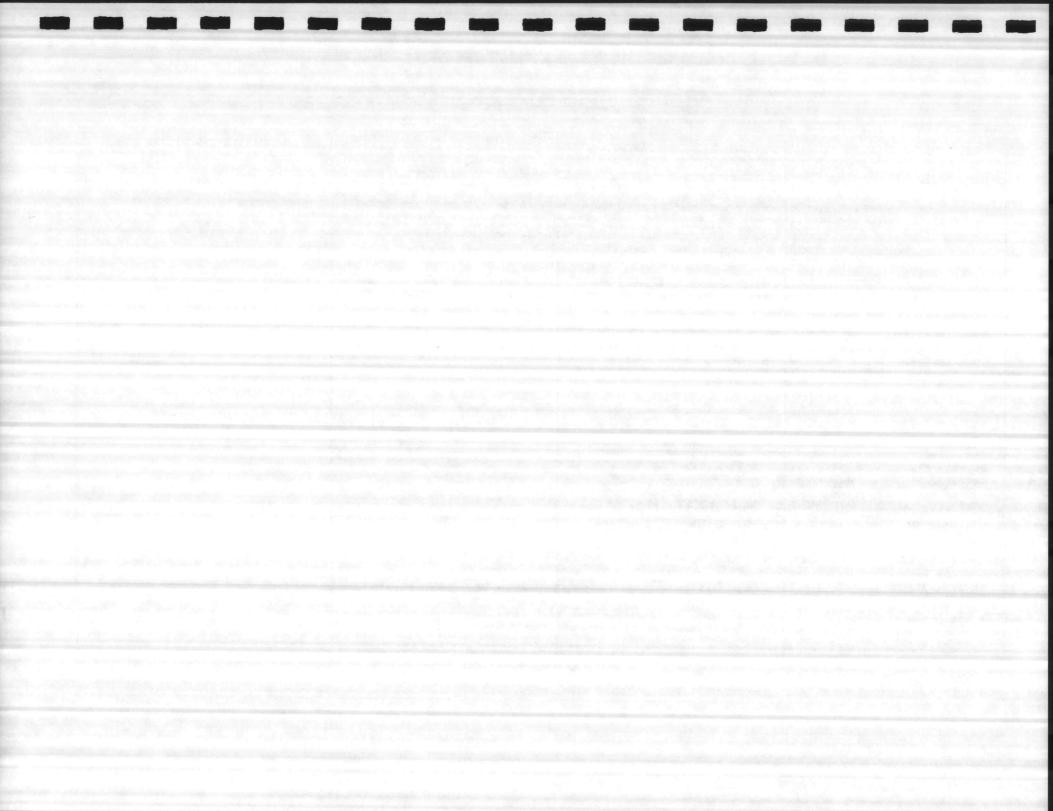
-- One form for each range/facility/simulator
-- Fill in data elements as appropriate
-- Use right column for new or improved ranges needed

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km)	2.35 X 1.3		
Primary Direction of Fire	1840 MILS/104 degrees		
Associated Air Space	To 17,999 ft; 399 sq km		
Coordinates	TP777342		
Safety Buffer Rear (km)			
Number of Firing Points/ Stations	13		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area	X 		

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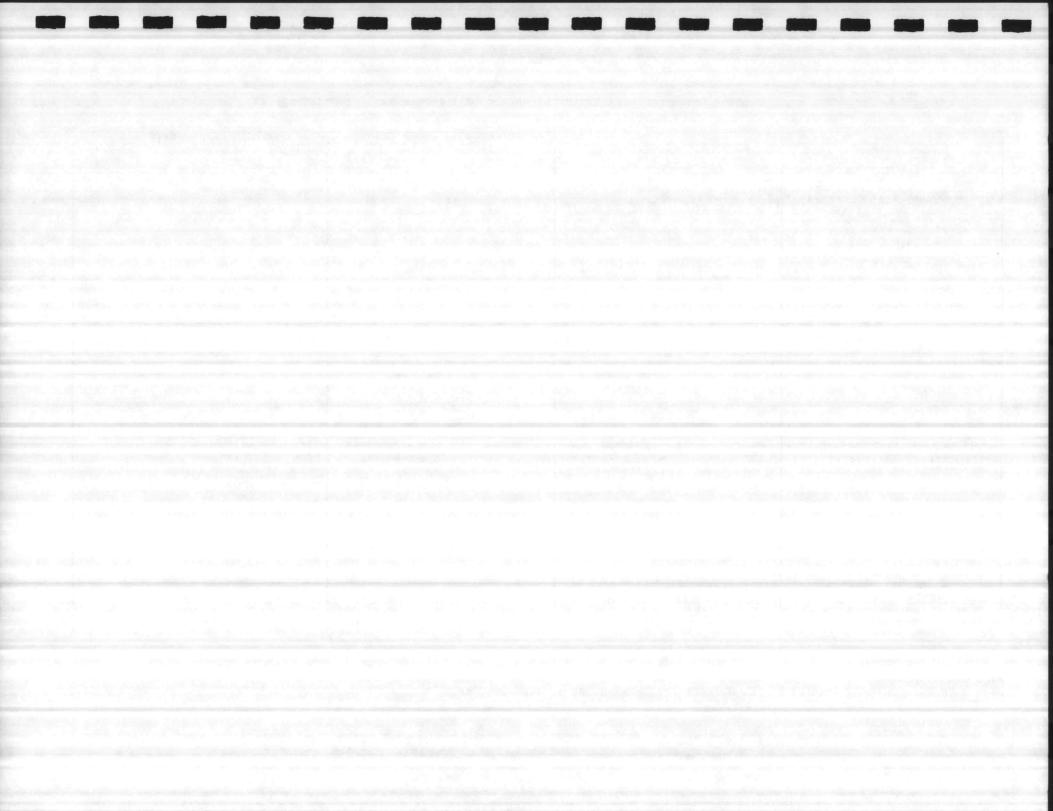
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



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		
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	Yes artillery, demolitions		

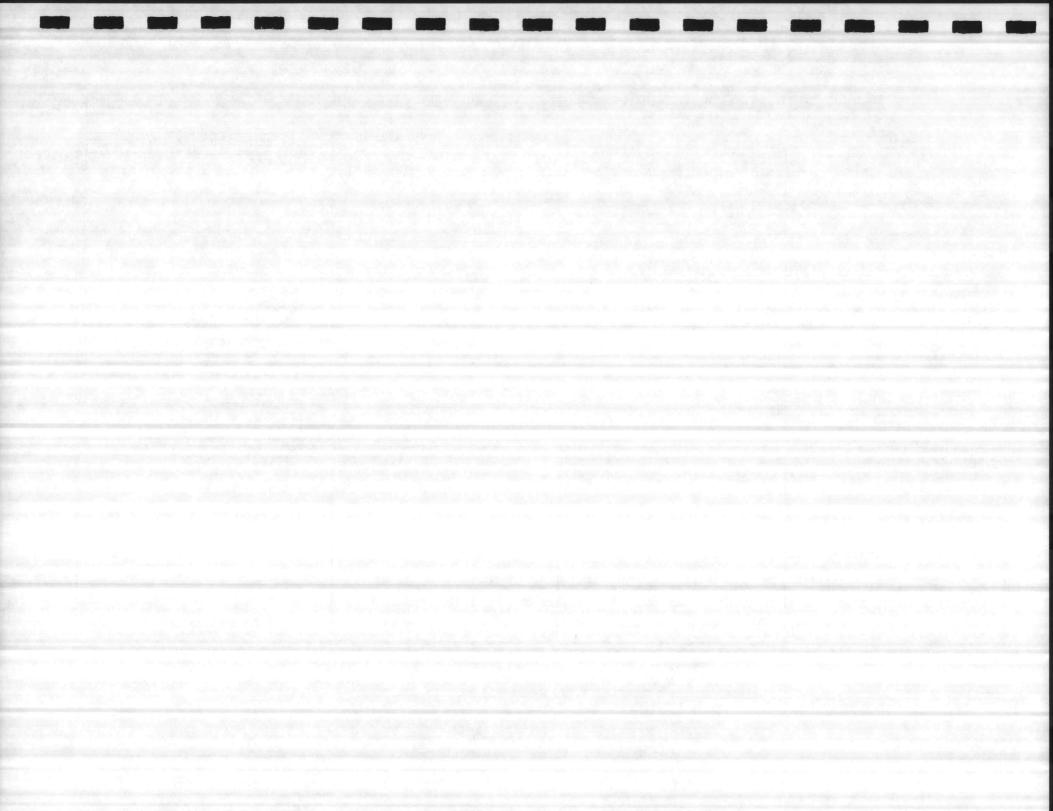
FILE NAME: LP010056
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RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	9-mm, .38-cal, .45-cal, M16, shotgun		
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: LP010056
PAGE 3 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

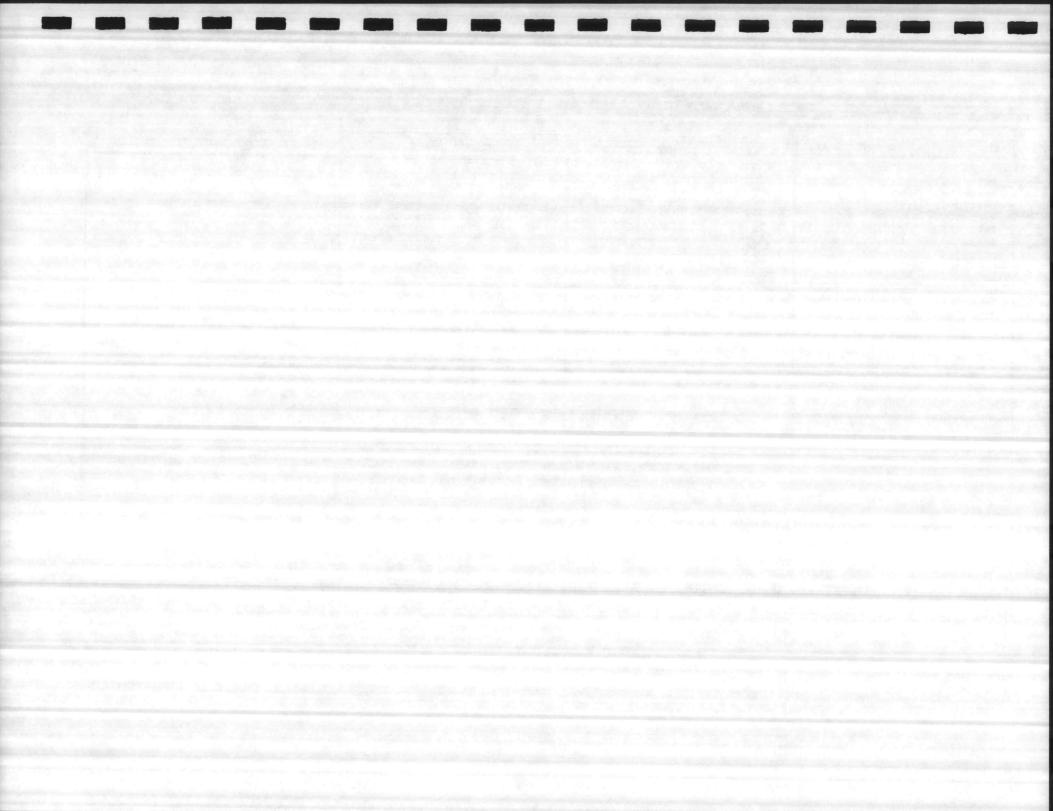


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
Distance from Supply Points POL (km)	15 35 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	200		
Number of Days per Year the Range/Facility is Available	350		
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

FILE	NAME:	LP010056

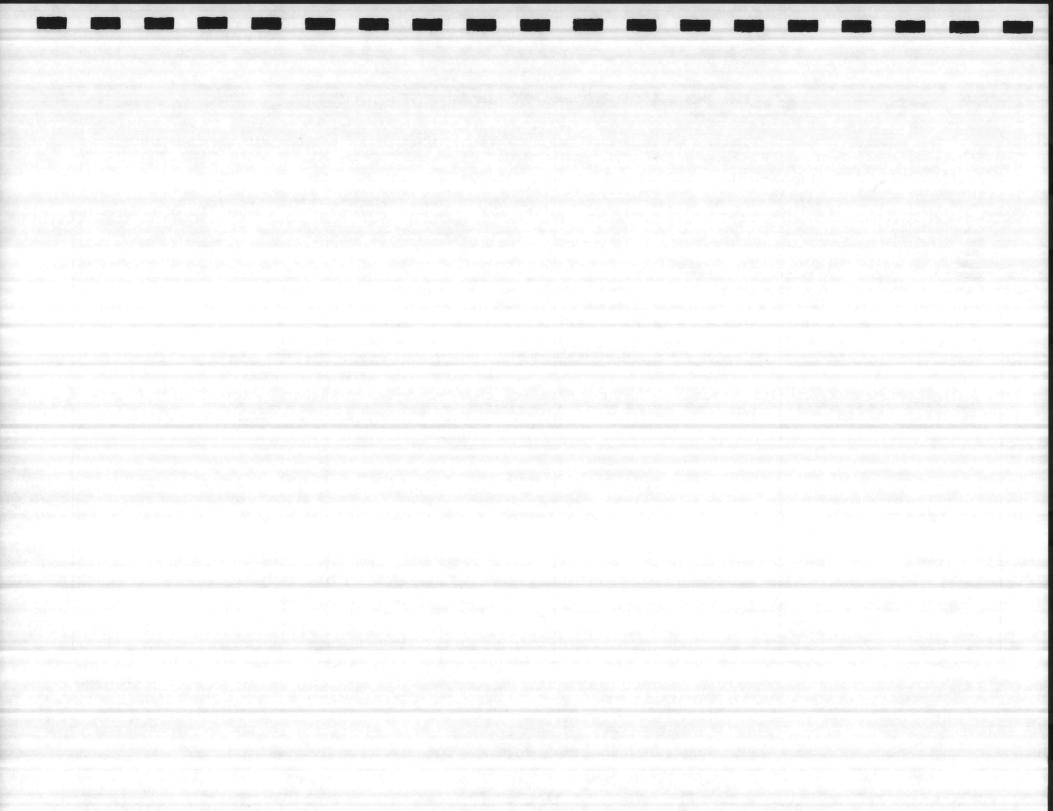
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DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays	15	0	0
Other Ranges Which Must Be Closed When This Range is in Use	K-402, K-406A, K-406D, K-408		
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	 		

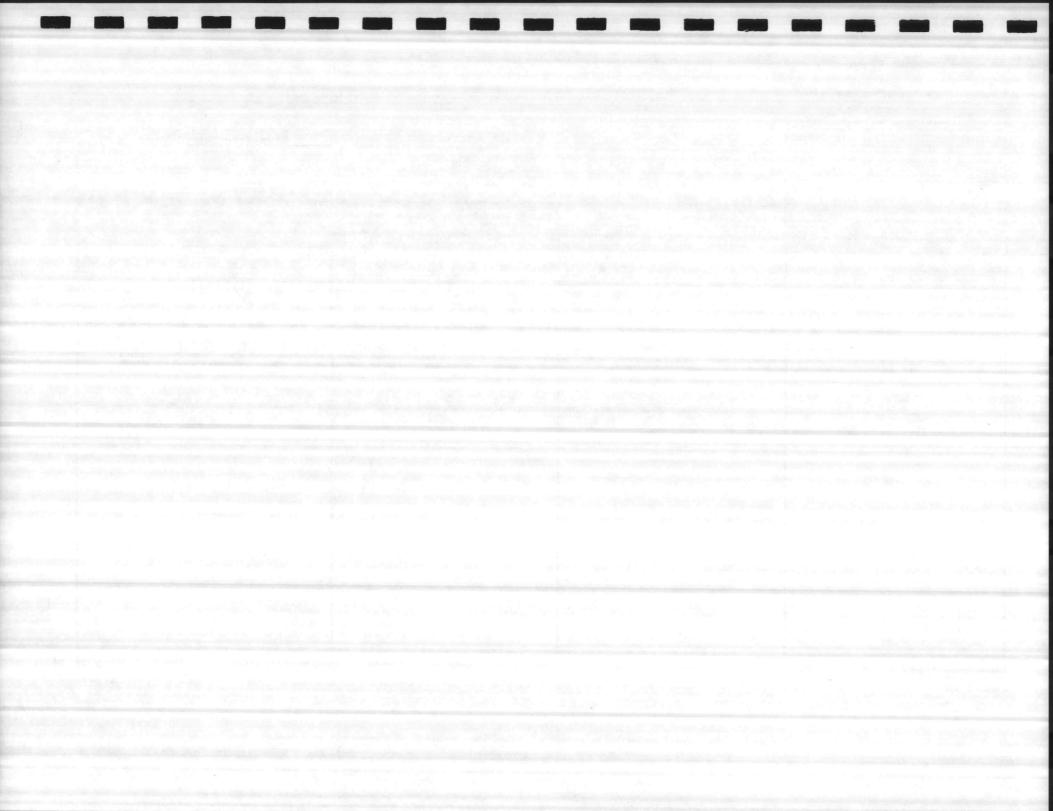
FILE	NAME:	LP010056	
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Restrictions on Range Use EnvironmentalAICUZ	NA		
FAA			
Gas/Chemical Pyrotechnics/Flare Time of Day Time of Year			
Other			

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

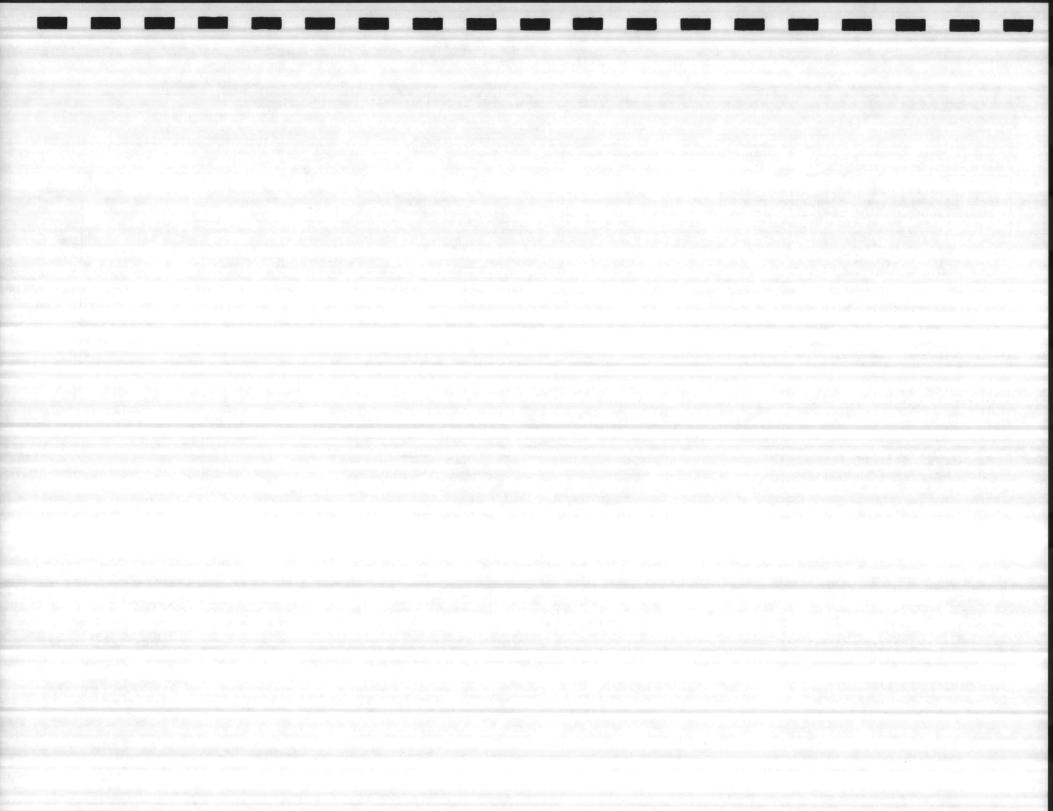


SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102 RANGE NAME AND LOCATION: K-408 Urban Obstacle Course, MCB, Camp Lejeune, NC Urban Obstacle Course INSTRUCTIONS:	TYPE RANGE FACILITY: X Live-Fire Full Caliber Live-Fire Subcaliber Simulator Maneuver Area Associated Air Space
One form for each range/facility/simulator Fill in data elements as appropriate Use right column for new or improved ranges needed	Other

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km)	2.7 X 1.3		
Primary Direction of Fire			
Associated Air Space	To 17,999 ft; 399 sq km		
Coordinates	TP775339		
	NA		
Rear (km)			
Number of Firing Points/ Stations	14		
Range Facilities			
Control Tower			
Target Shed Utility Building Aid Station			
Parking Area			

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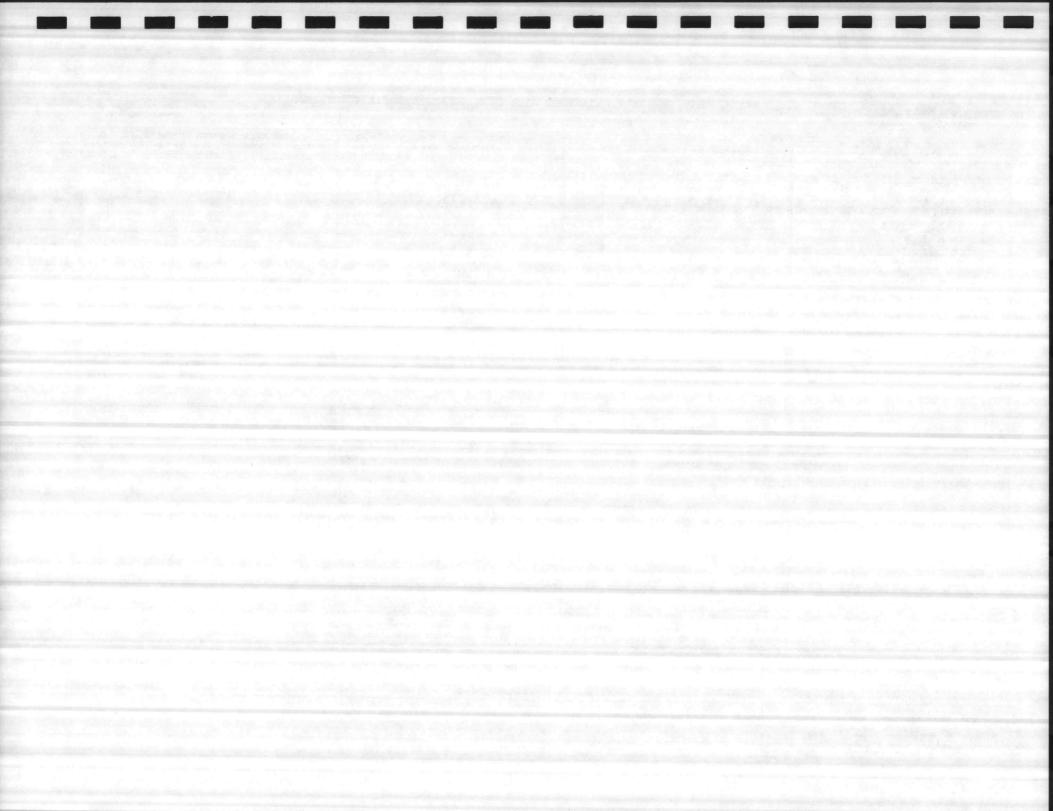
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



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		
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	l4 targets		
Target Types Pop-up Stationary Moving Revolving Other	Xx		
Are There Associated Simulation Devices? Yes, No, NA	NA .		

FILE NAME: LP010057
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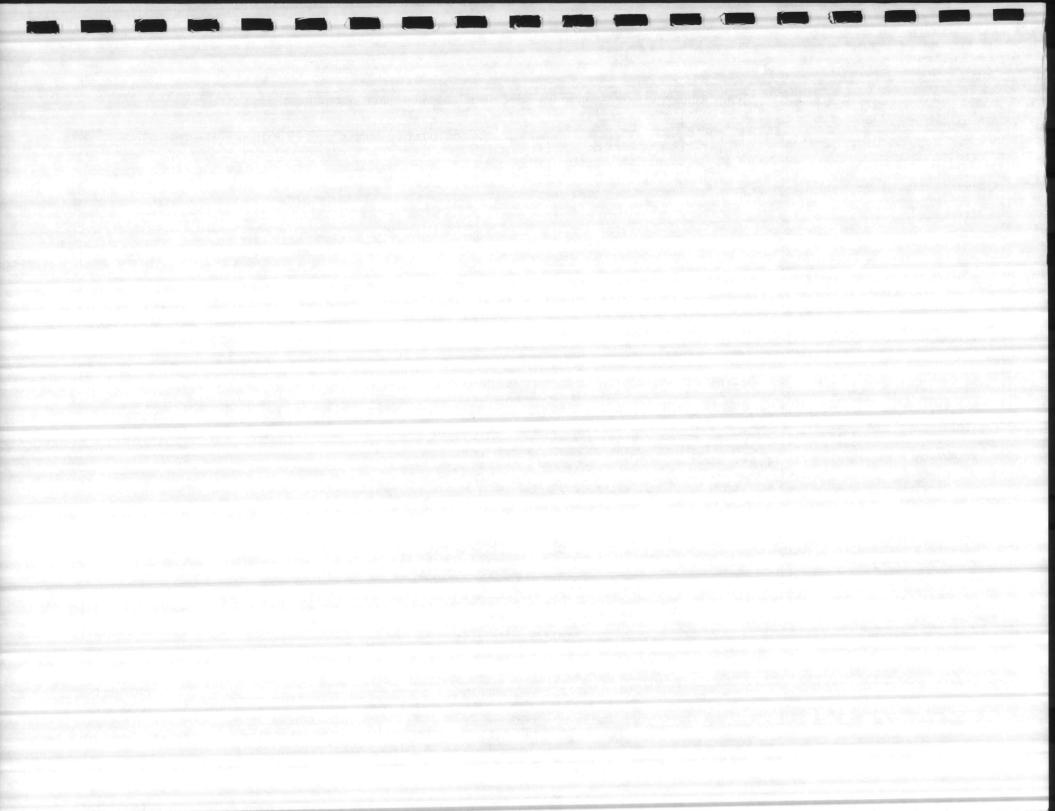
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	M16		
Climate Seasonal	x		
TemperateArcticDesertAll-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

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

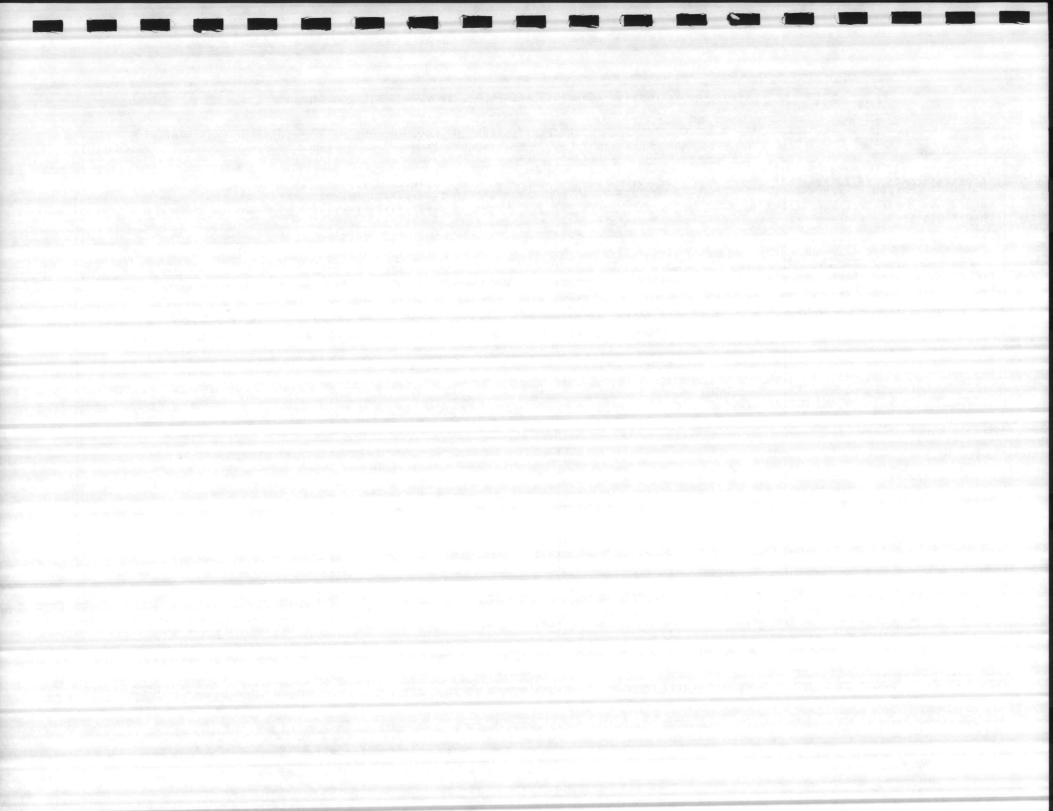


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
	15 35 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	200		
Number of Days per Year the Range/Facility is Available	350		
Is Range/Facility Capable of Nighttime Use? Yes, No	No		

FILE	NAME:	LP010057

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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	0	0
Other Ranges Which Must Be Closed When This Range is in Use	K-407		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	Yes Tunnel obstacle inspected by RSO to ensure safety		
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain	NA .		

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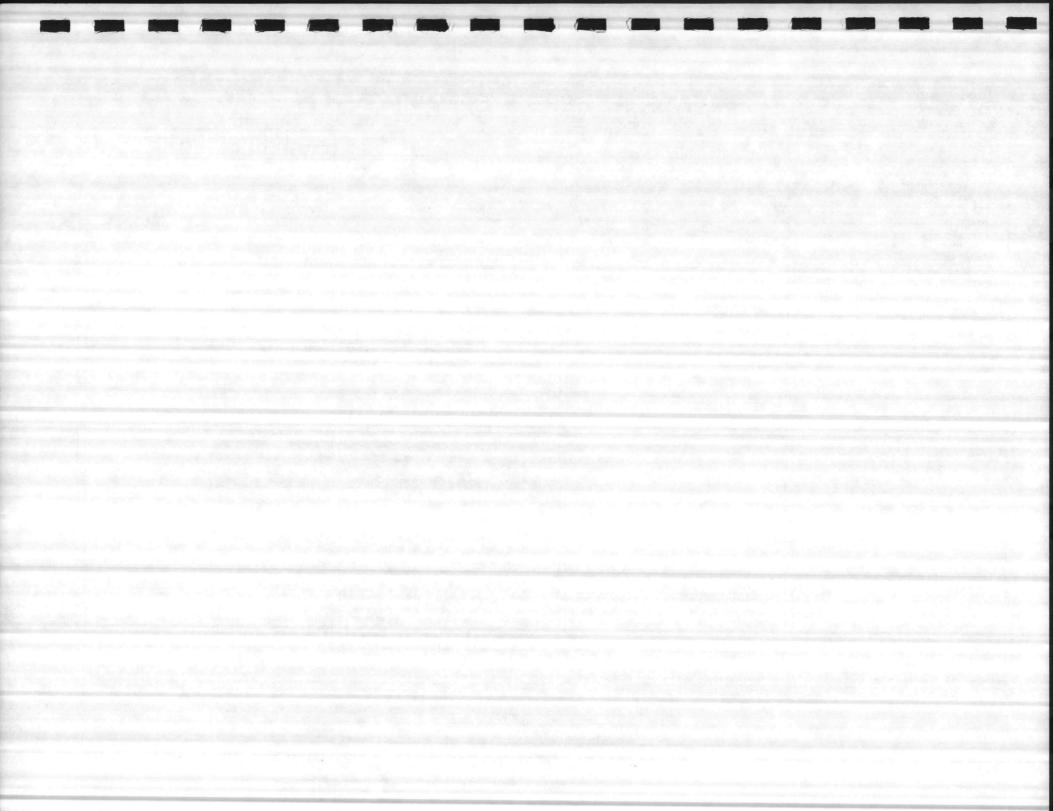
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._

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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	NA .		
Gas/Chemical Pyrotechnics/Flare Time of Day Time of Year Other			

FILE NAME: LP010057
PAGE 6 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.____



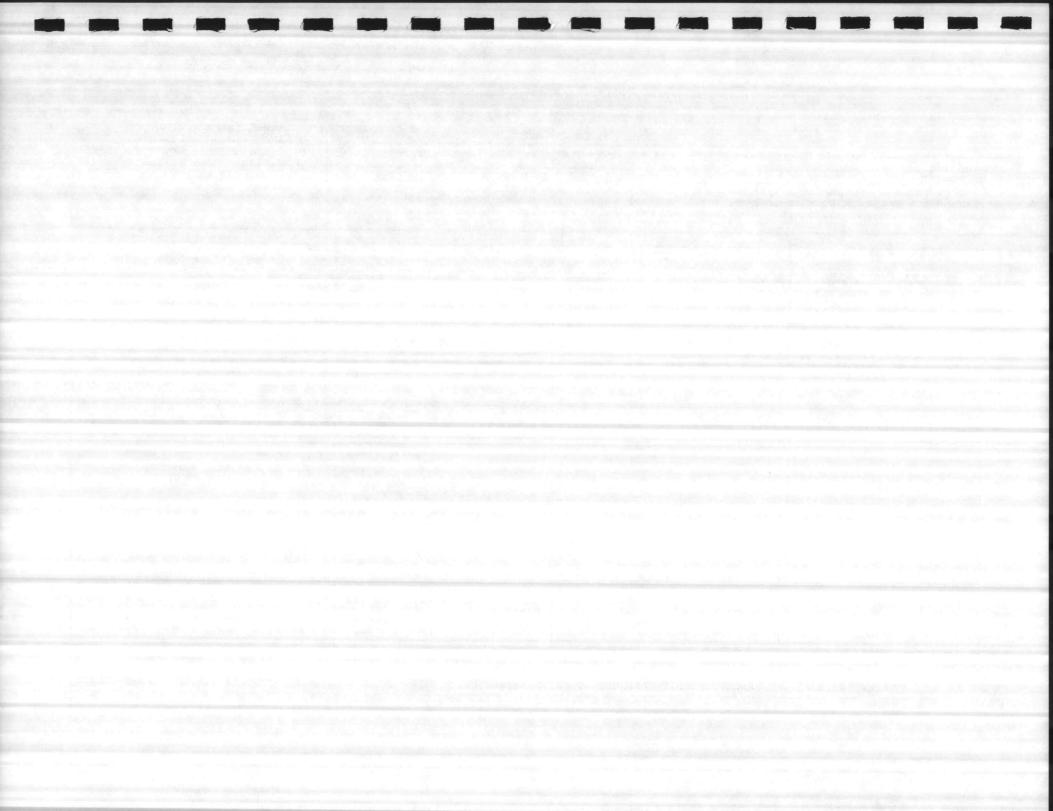
SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY: X Live-Fire Full Caliber
RANGE NAME AND LOCATION: L-5 Advanced Tactics (Fire/Maneuver) Range, MCB, Camp Lejeune, NC Advanced Tactics (Fire/Maneuver)Range INSTRUCTIONS:	Live-Fire Subcaliber Simulator Maneuver Area Associated Air Space
One form for each range/facility/simulator Fill in data elements as appropriate Use right column for new or improved ranges needed	Other

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km)	5.1 X 1.8		
Primary Direction of Fire	See Fire (page 6 of 6)		
Associated Air Space	To 17,999 ft; 399 sq km		
Coordinates	TP735309		
Safety Buffer Rear (km)	 NA 		
Number of Firing Points/ Stations	 36 		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area	X X 		

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



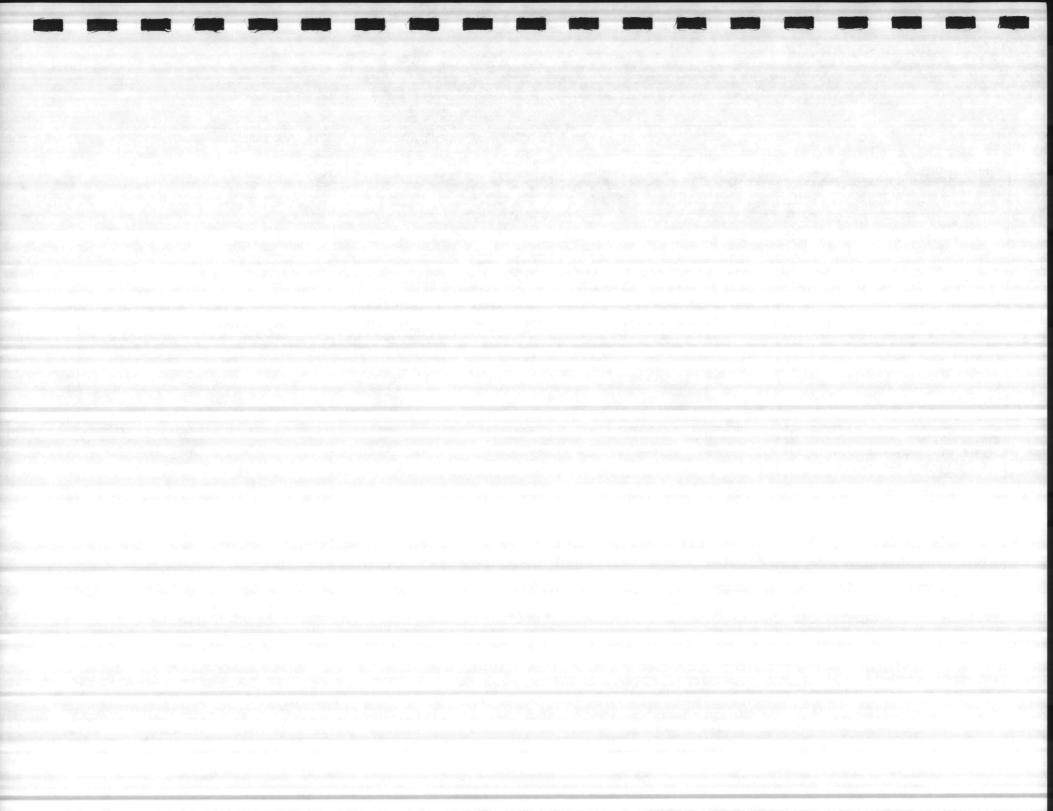
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site Other	x		
Telemetry InstrumentationScoring. Reconstruction. Air Launch Parameters. Other.	36 targets		
Target Types Pop-up Stationary Moving Revolving Other	X		
	 Yes 10 artillery, 1 machine gun 		

FILE NAME: LP010058

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

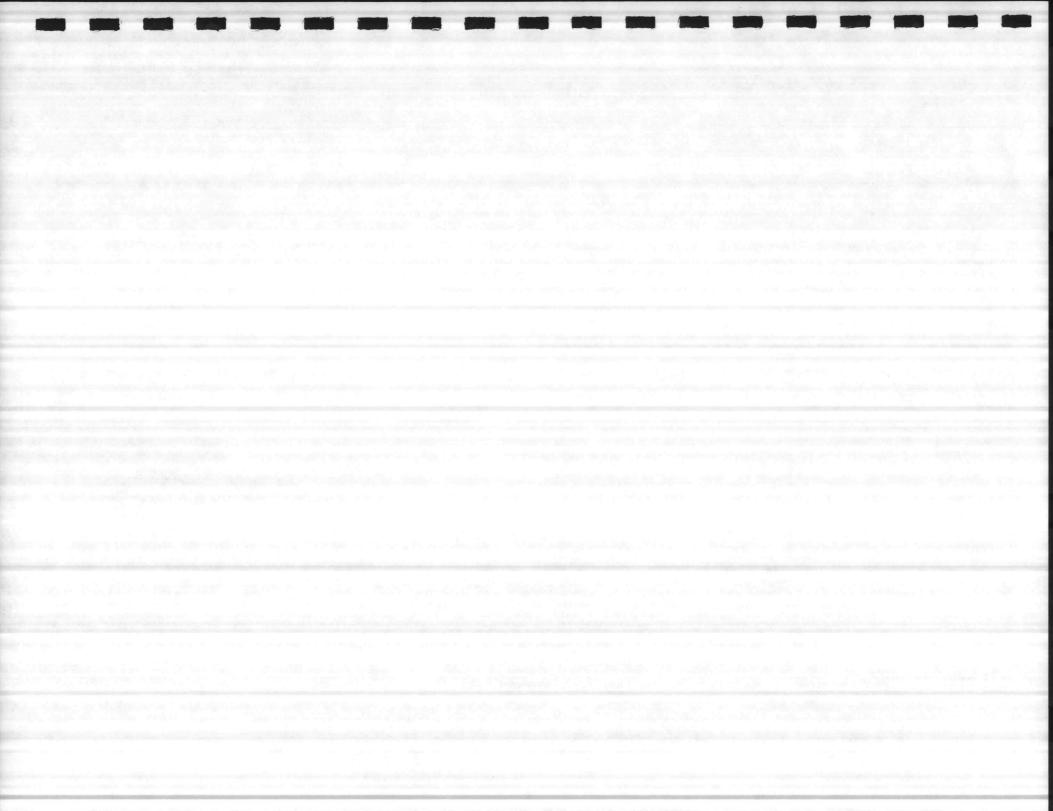
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	service rifle, pistol, M60, SAW, shotgun		
Climate Seasonal Tropic			
TemperateArcticDesertAll-Weather (Indoor)		NOT APPLICABLE	NOT APPLICABLE
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	1100	NOT APPLICABLE	NOT APPLICABLE

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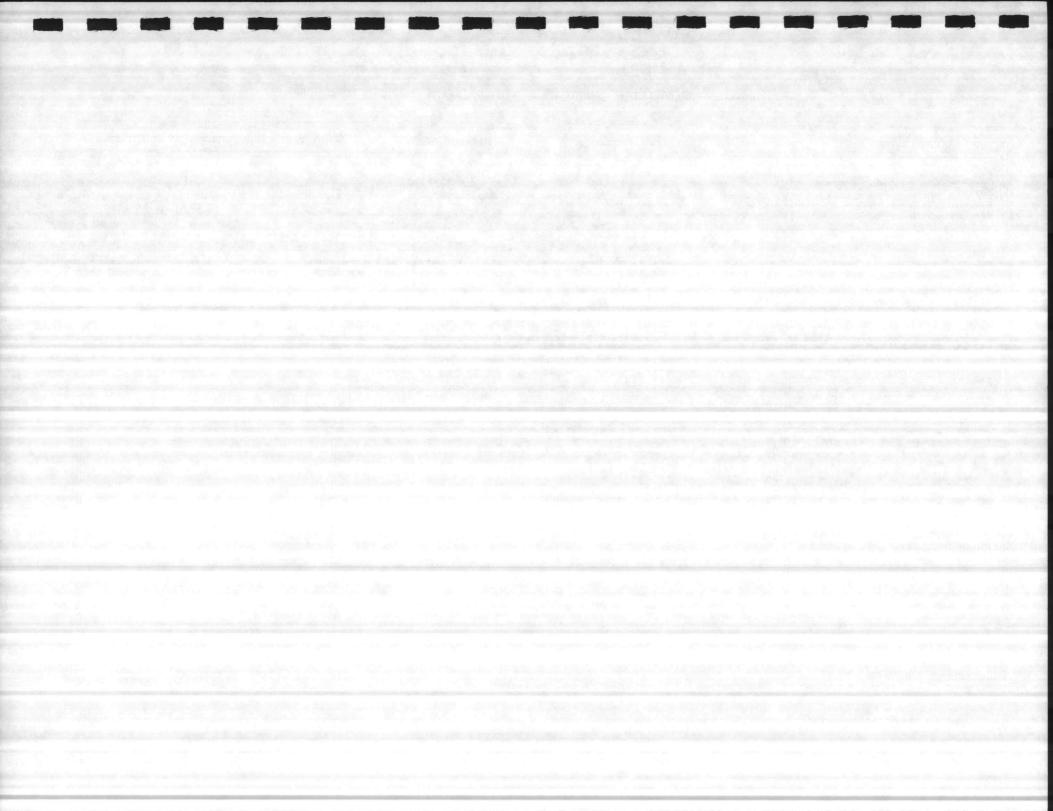
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.___



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS
Vegetation Percentage None	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)	36		
Number of Days per Year the Range/Facility is Available	 325 		
Is Range/Facility Capable of Nighttime Use? Yes, No	Yes		

FILE	NAME:	LP010058			* HDEG D 0000
	4 OF 6		03/05/87	RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.	LFRTS-P-0001

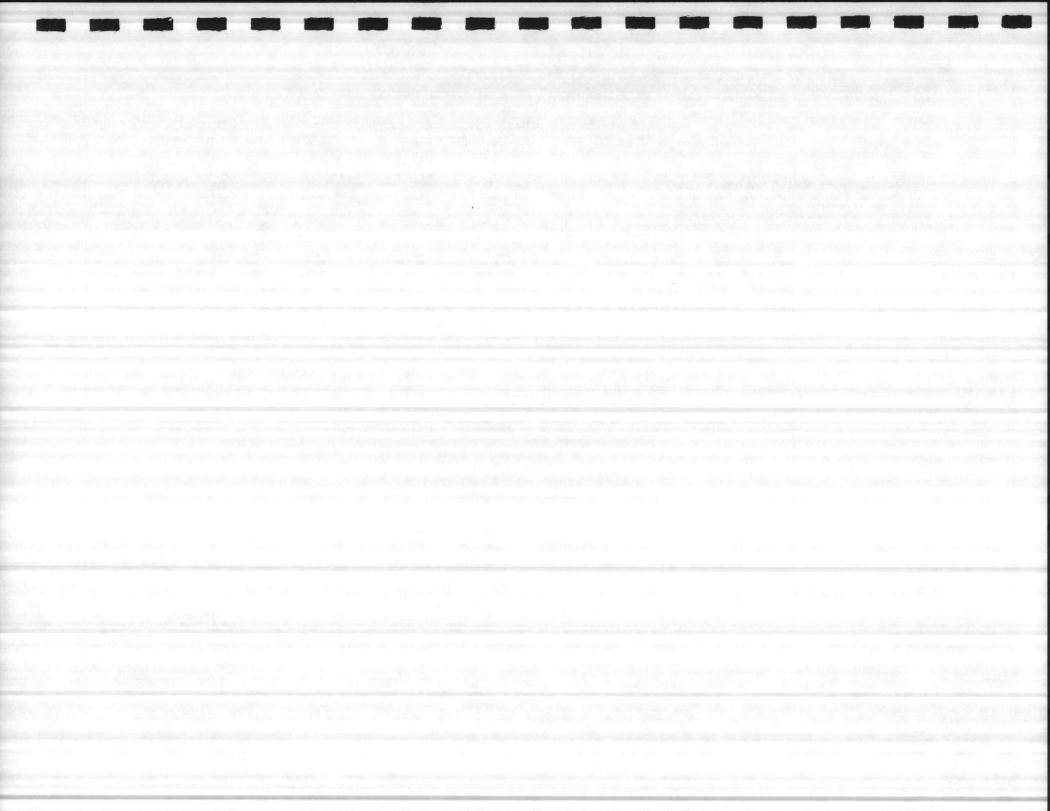
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays	40 		10
	LA, LB Maneuver Area GP-55 		
	 Yes Operator will brief RSO 		
	 Yes Sentries posted		

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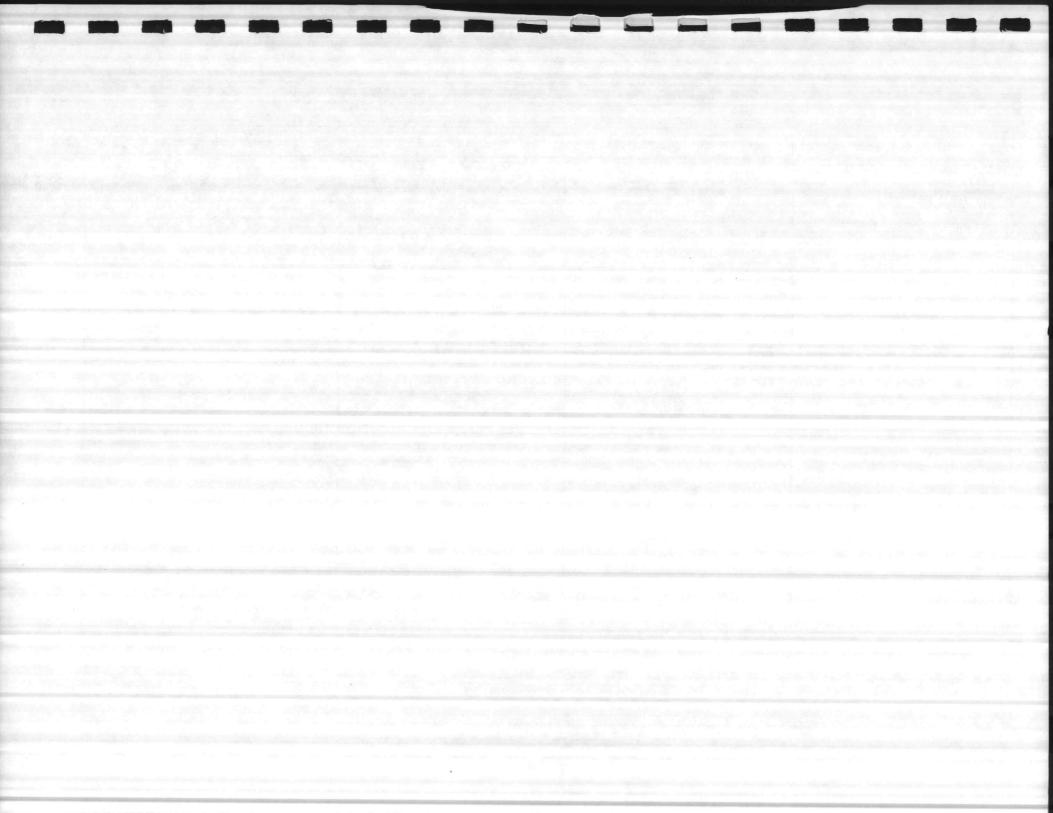
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.___



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Restrictions on Range Use Environmental			
Gas/Chemical Pyrotechnics/Flare Time of Day Time of Year Other			
	Fire (from page 1 of 6) Phase 1 0154 MILS/9 degrees Phase 2 0500 MILS/28 degrees Phase 3 0780 MILS/44 degrees		

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



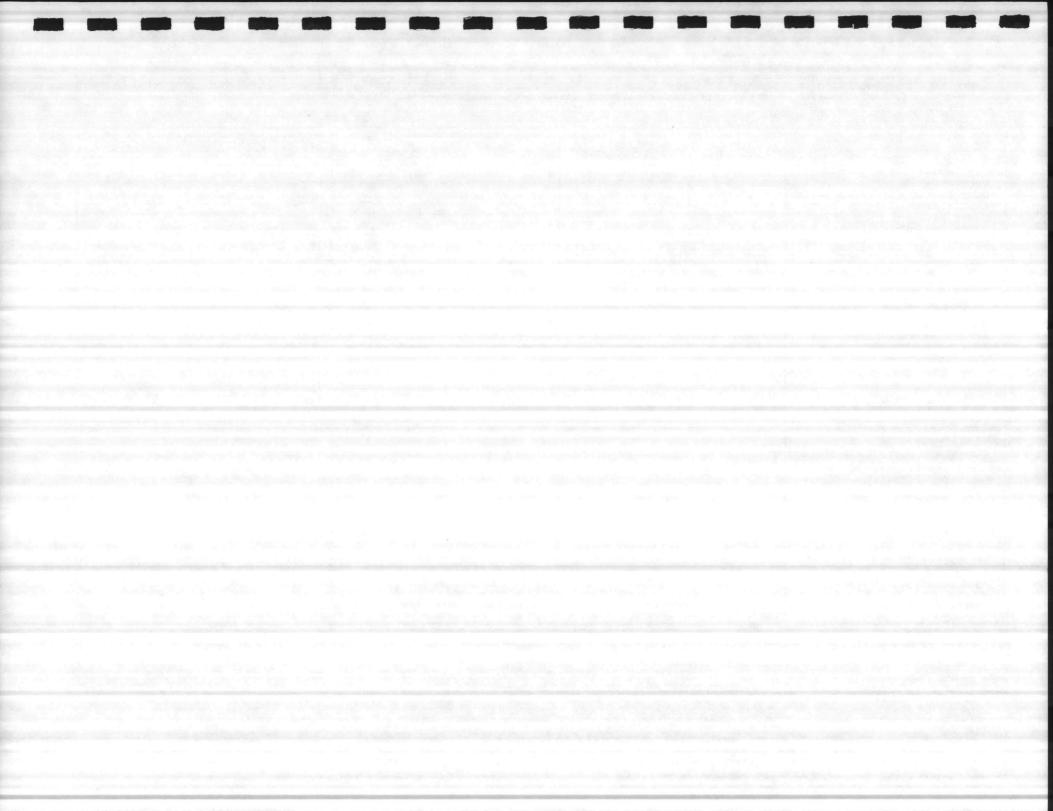
SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY: Live-Fire Full Caliber Live-Fire Subcaliber
RANGE NAME AND LOCATION: Chemical Dump, MCB, Camp Lejeune, NC Chemical Dump INSTRUCTIONS: One form for each range/facility/simulator Fill in data elements as appropriate Use right column for new or improved ranges needed	Simulator Maneuver Area Associated Air Space X Hazardous Waste Site

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km)	1.25 X 1		
Filmary Direction of 122	NA		
Associated Air Space	To 17,999 ft; 399 sq km		1
Coordinates	TP7728 and TP7828		
Safety Buffer Rear (km)	NA		
Number of Firing Points/ Stations	 NA 		
Range Facilities Control Tower			
Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area			

FILE NAME: LP010059

PAGE 1 OF 6 DATE: 03/05/87

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

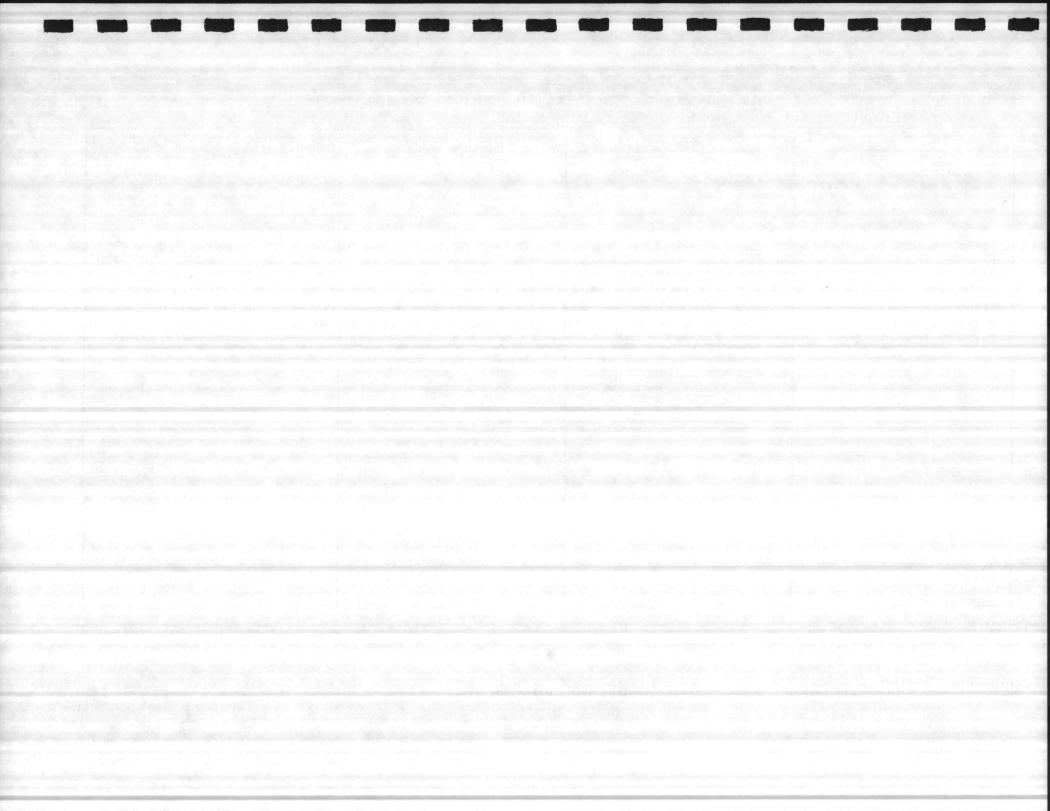


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site Other			
Telemetry Instrumentation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

PTTP	NAME:	LP010059
FILE	NAME:	PEATORS

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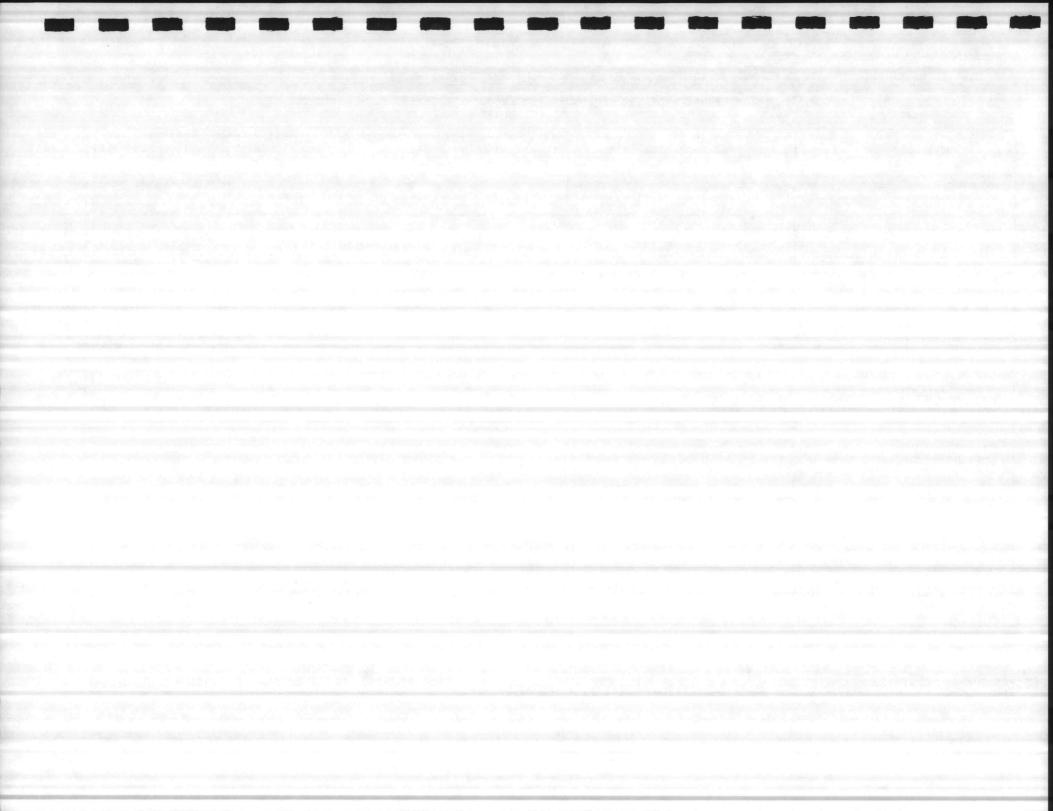
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	NA		
Climate			
Seasonal		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: LP010059
PAGE 3 OF 6 DATE: 03/05/87

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



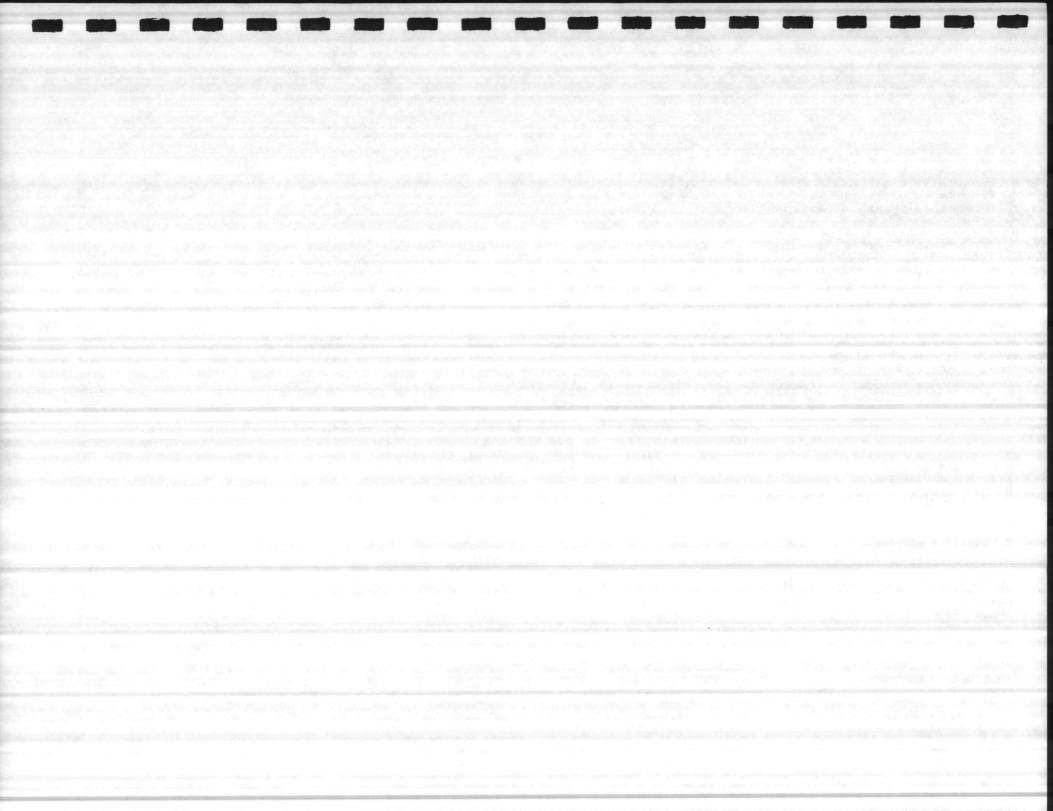
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100	•	
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	2		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	NA		
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:	LP010059

PAGE 4 OF 6 DATE: 03/05/87

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

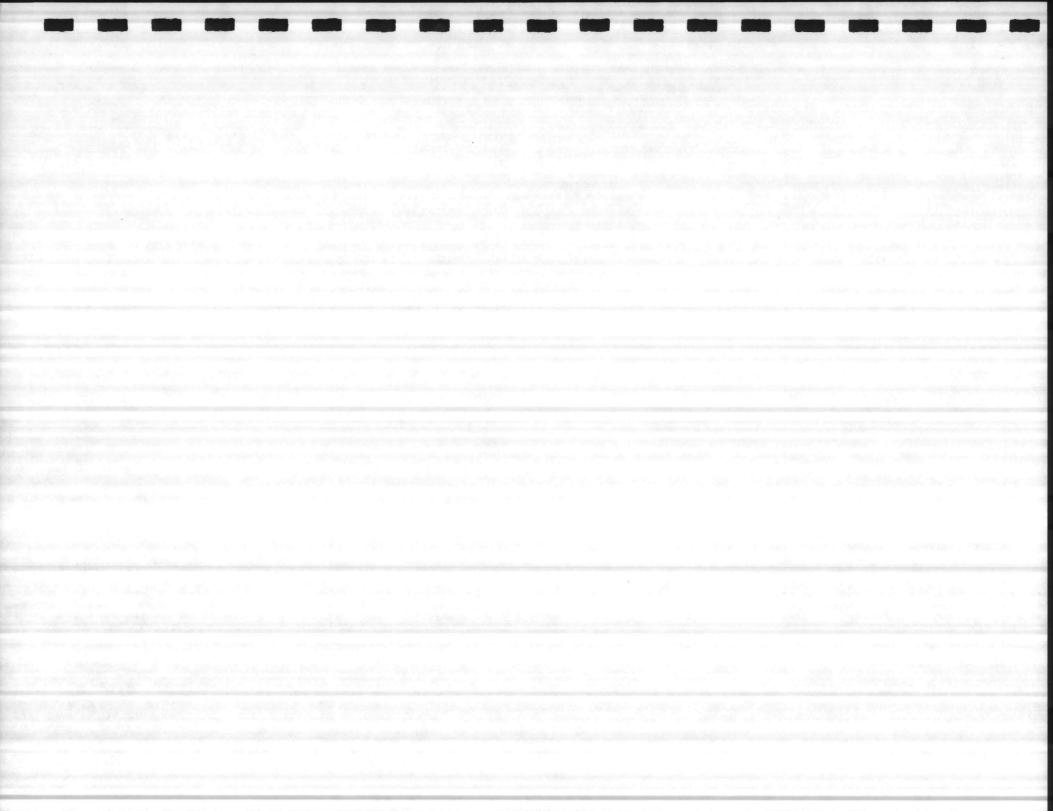
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	NA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

FILE NAME: LP010059
PAGE 5 OF 6 DATE: 03/05/87

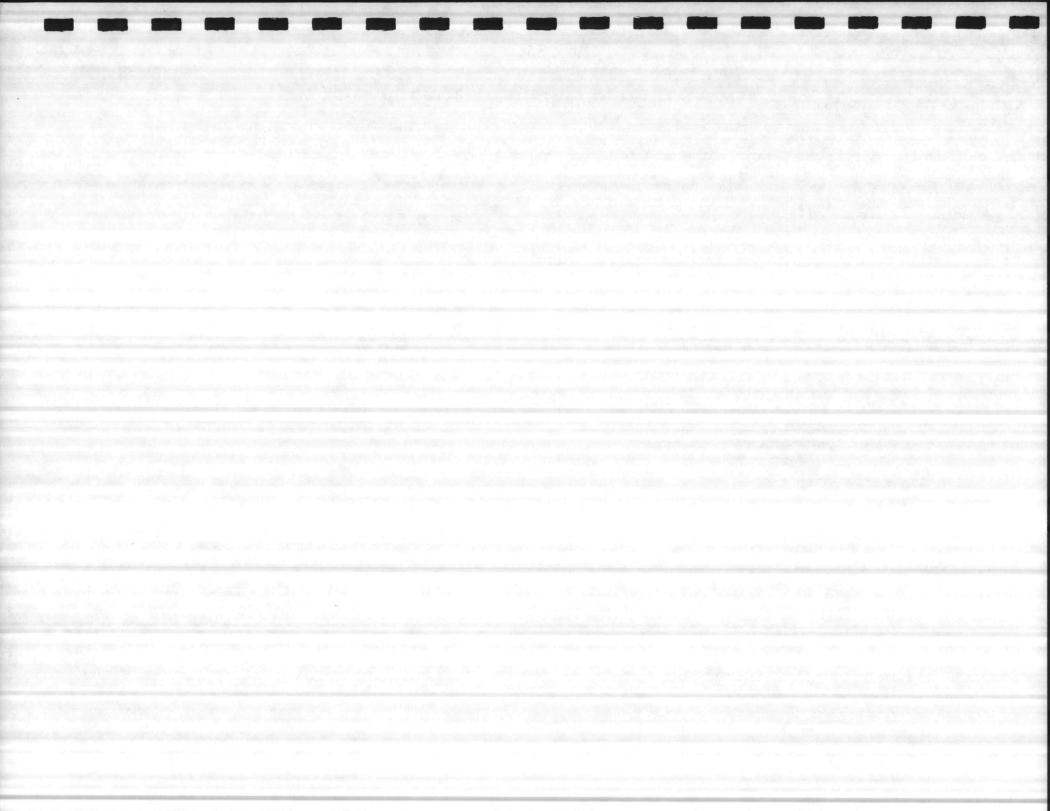
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Restrictions on Range Use Environmental			

FILE NAME: LP010059
PAGE 6 OF 6 DATE: 03/05/8

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



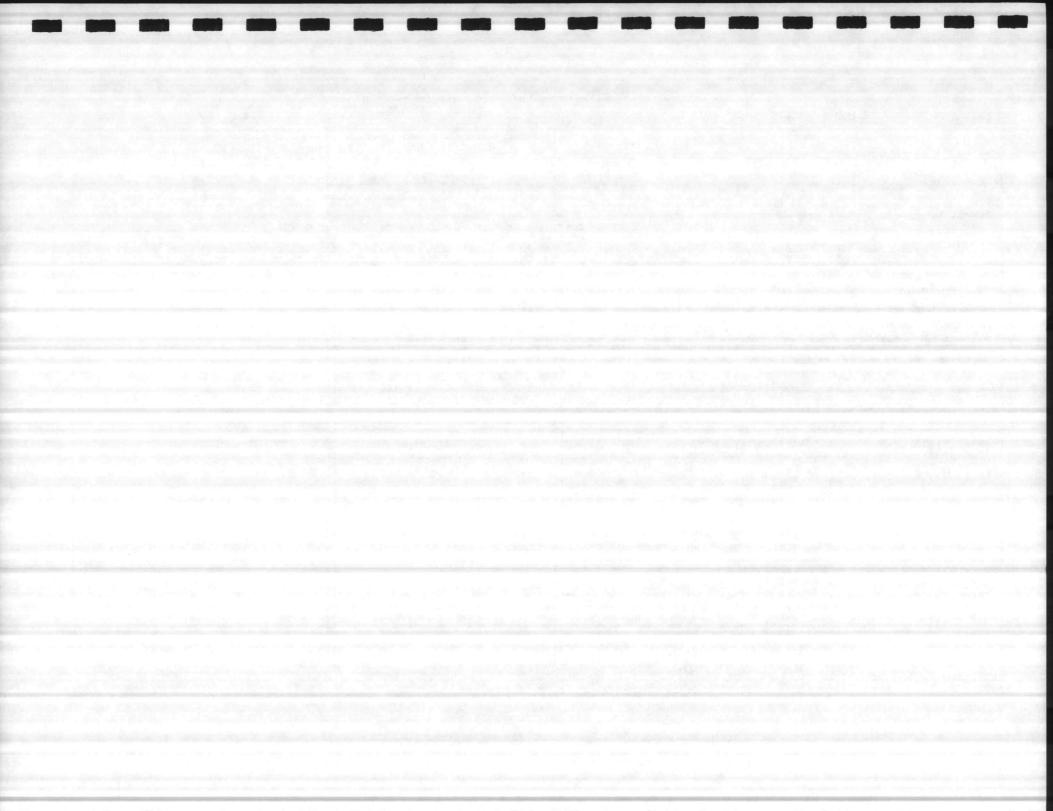
SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY: X Live-Fire Full Caliber Live-Fire Subcaliber
RANGE NAME AND LOCATION: Combat Town, MCB, Camp Lejeune, NC Combat Town	Simulator Maneuver Area
INSTRUCTIONS:	Associated Air Space
One form for each range/facility/simulator	Other
Fill 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)	 .35 x .25		
Primary Direction of Fire	NA		
Associated Air Space	To 17,999 ft; 399 sq km		
Coordinates	TP889319		
Rear (km)			
Number of Firing Points/ Stations	NA 		
Range Facilities Control Tower			
Communications System Target Shed Utility Building	IX		
Aid Station Parking Area Viewing Area			

FILE NAME: LP010060 PAGE 1 OF 6 DATE:

DATE: 03/05/87

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

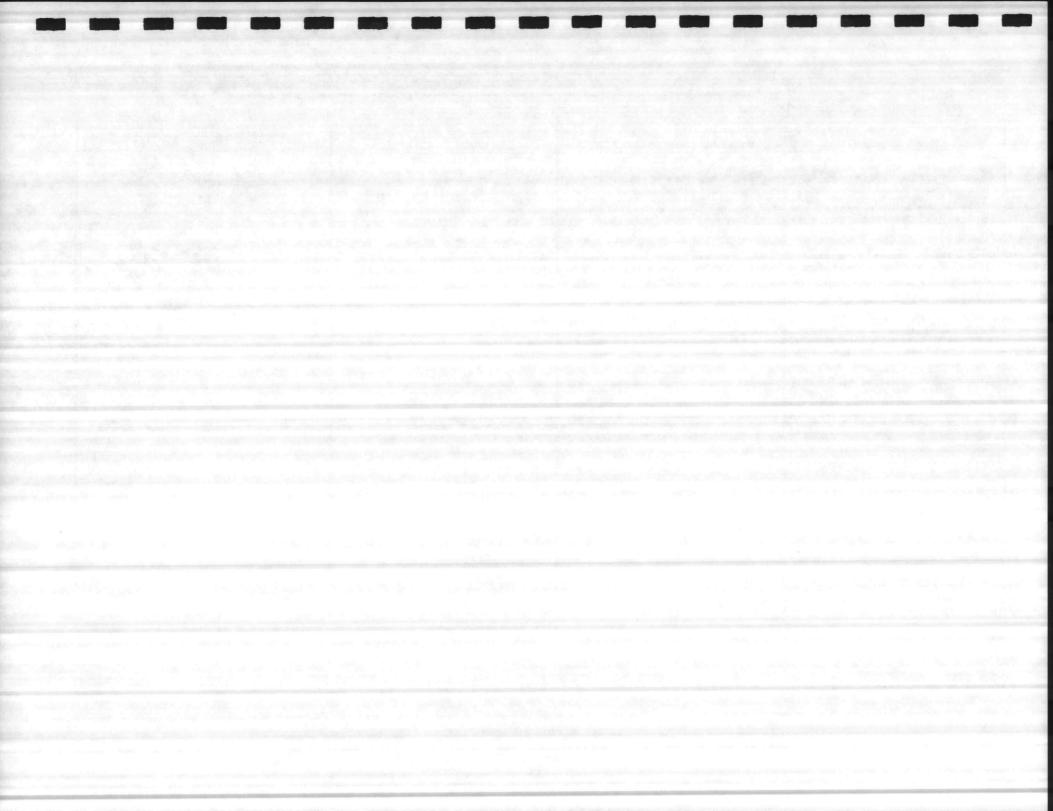


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site Other			
Telemetry Instrumentation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

FILE NAME: LP010060

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

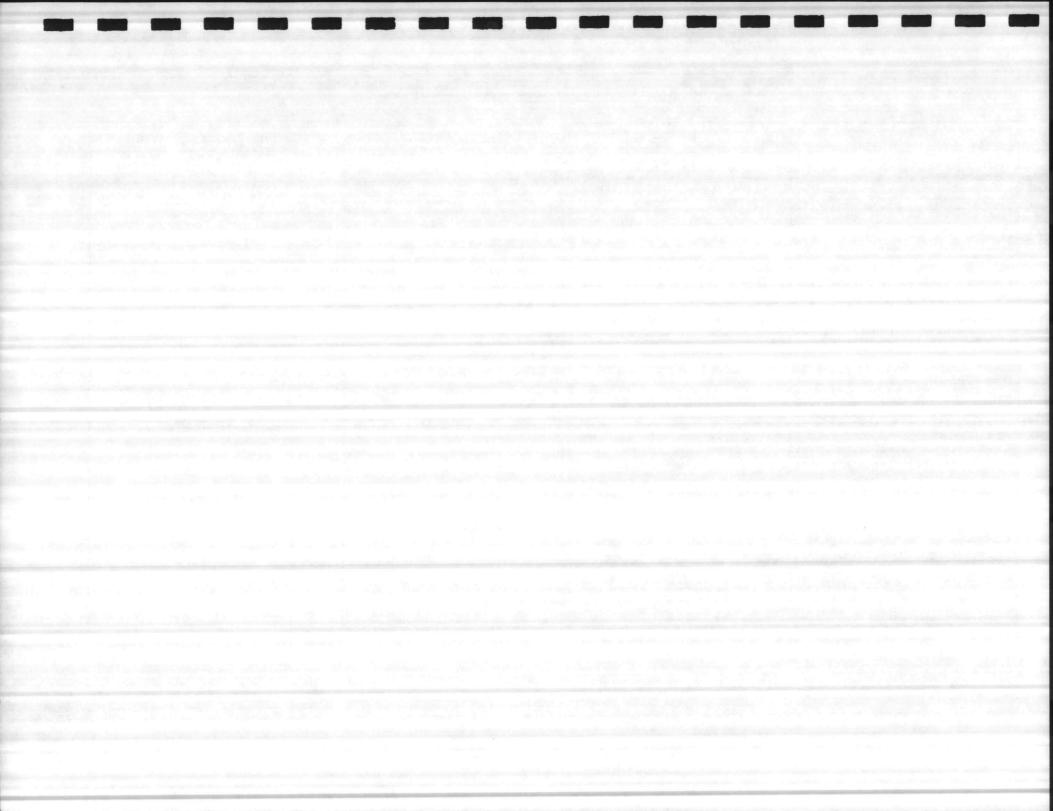


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	small arms, machine guns, practice hand grenades, smoke hand grenades, practice land mines, pyrotechnics, demo- litions		
Climate Seasonal. Tropic. Temperate. Arctic. Desert. All-Weather (Indoor). Other.	i l	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: LP010060

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



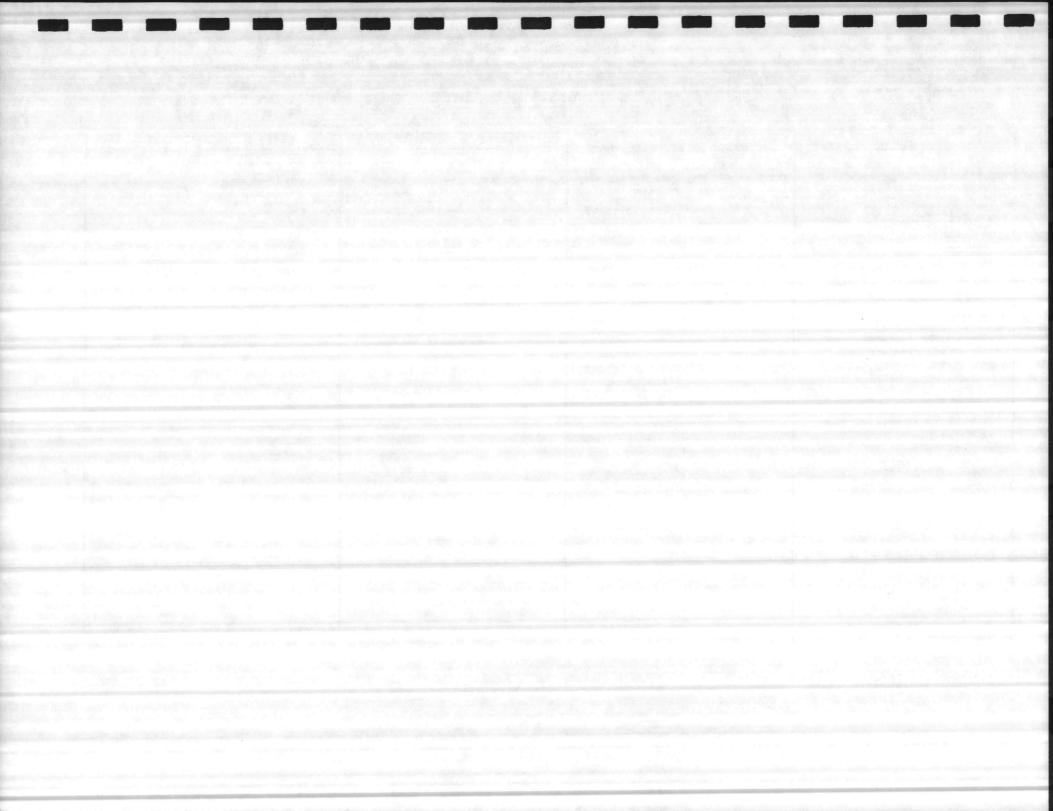
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	2		
Distance from Supply Points POL (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			
Number of Days per Year the Range/Facility is Available	360		
Is Range/Facility Capable of Nighttime Use? Yes, No	Yes		

FILE	NAME:	LP010060

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

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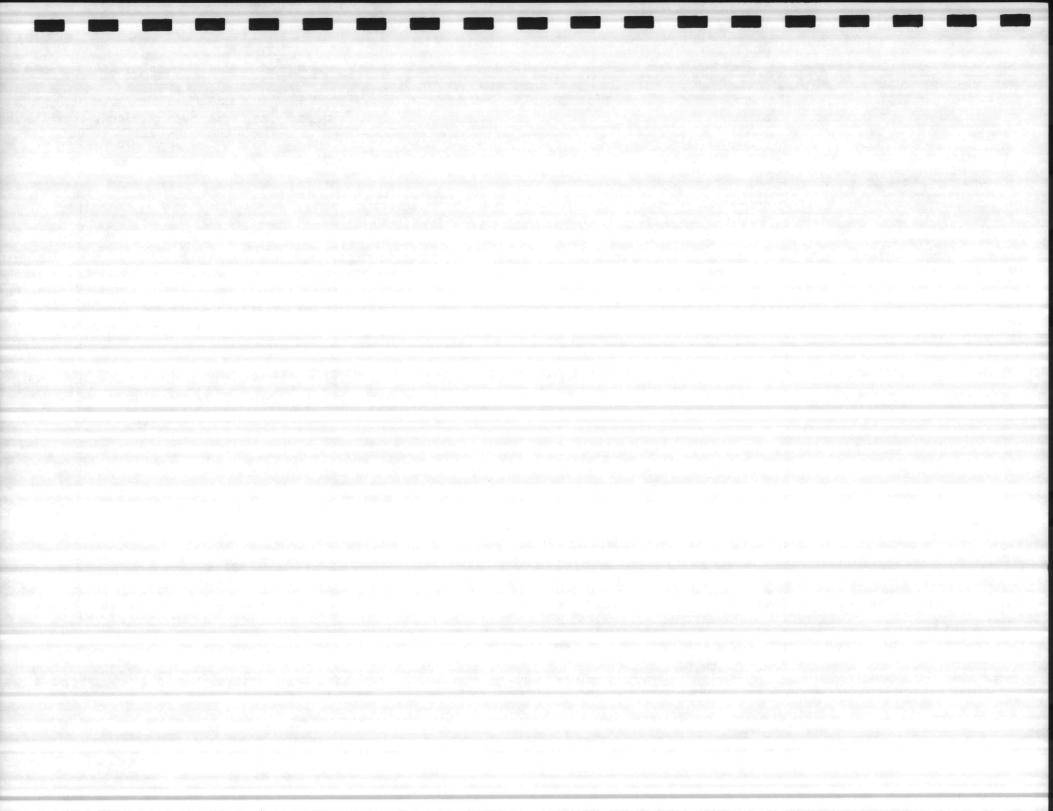


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	5 5	. 0	0
Other Ranges Which Must Be Closed When This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

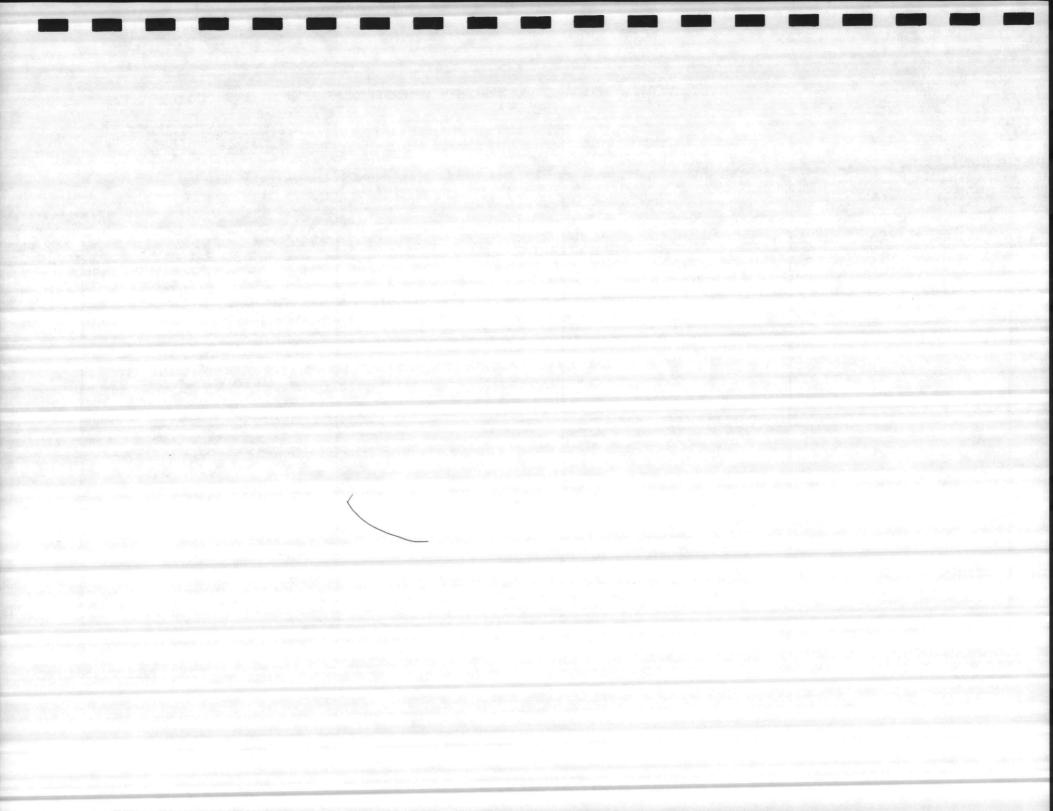
F	ILE	NAME:	LP010060

F 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
AICUZ FAA Noise Gas/Chemical Pyrotechnics/Flare	X Bordering woodpecker habitat		
Time of Day			
LLE NAME: LP010060 AGE 6 OF 6 DATE: 03/05/87	RANGE/FACILITY MANAGER: D. J		LFRTS-F

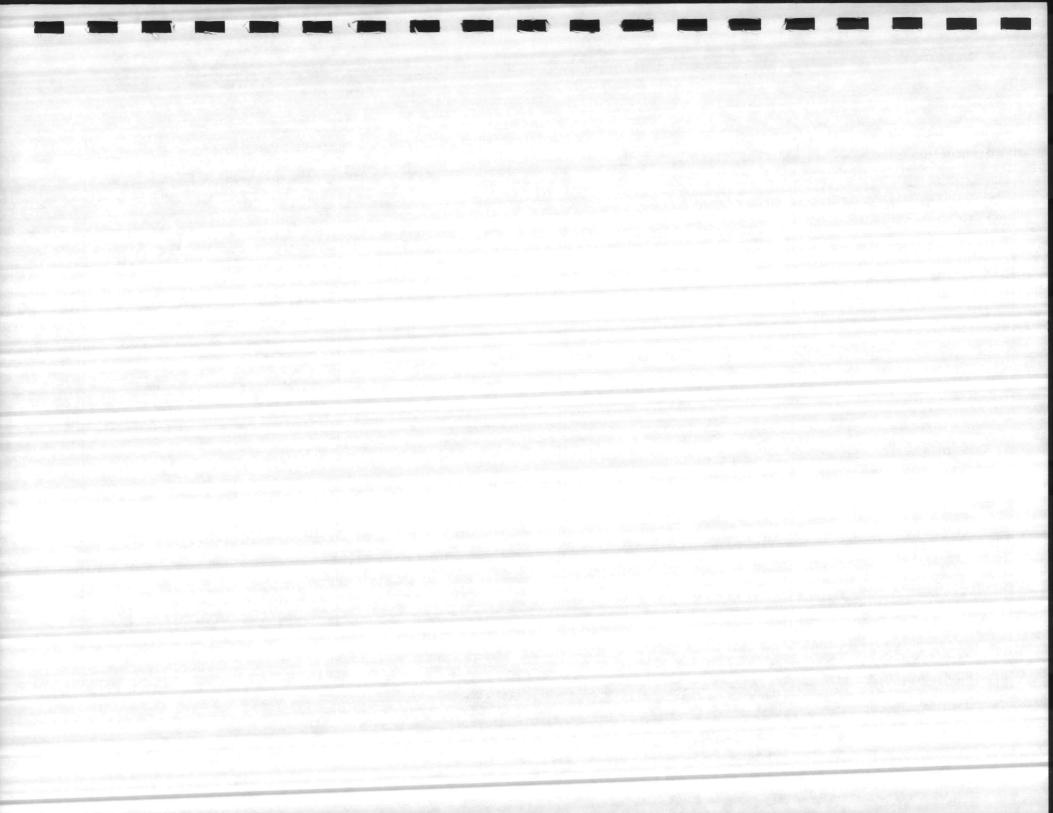


SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY: Live-Fire Full Caliber Live-Fire Subcaliber
RANGE NAME AND LOCATION: Browns Tower Observation Post, MCB, Camp Lejeune, NC Observation Post INSTRUCTIONS: One form for each range/facility/simulator	Simulator Maneuver Area Associated Air Space Other
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
Range Shape and Dimensions Dimensions (km)	 Undefined 		
Primary Direction of Fire	INA		
Associated Air Space	17,999 ft; 399 sq km		
Coordinates	TP958322		
Safety Buffer Rear (km)			
Number of Firing Points/ Stations	 NA 		
Range Facilities Control Tower			
Target Shed Utility Building Aid Station			
Parking AreaViewing Area			

FILE NAME: LP010076
PAGE 1 OF 6 DATE: 03/ DATE: 03/05/87

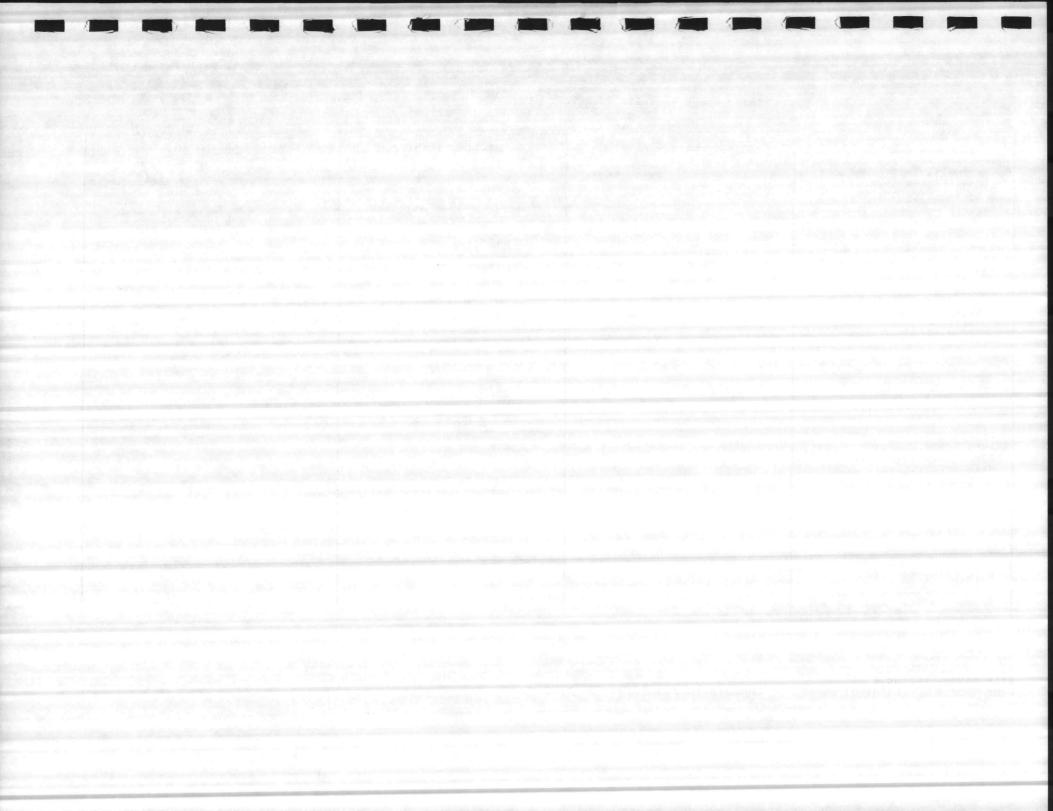
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



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		

FILE NAME: LP010076
PAGE 2 OF 6 DATE: 03/05/87

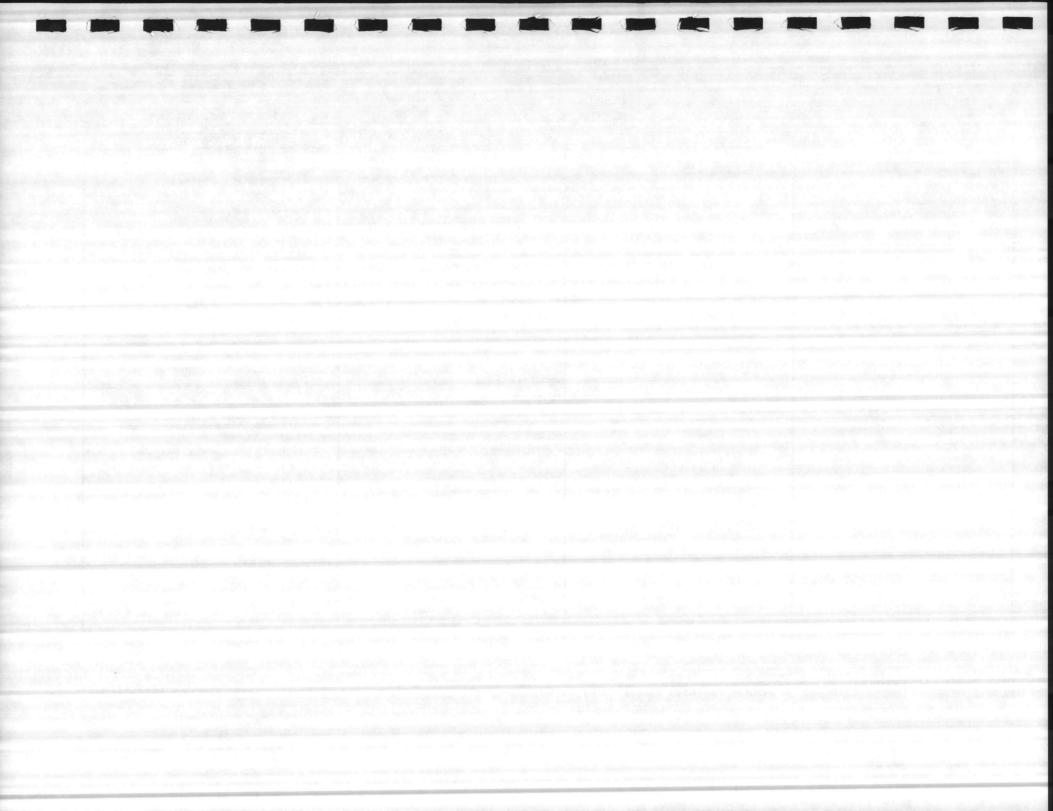
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	Undefined		
Climate Seasonal Tropic Temperate Arctic Desert All-Weather (Indoor)	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: LP010076
PAGE 3 OF 6 DATE: 03/05/87

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

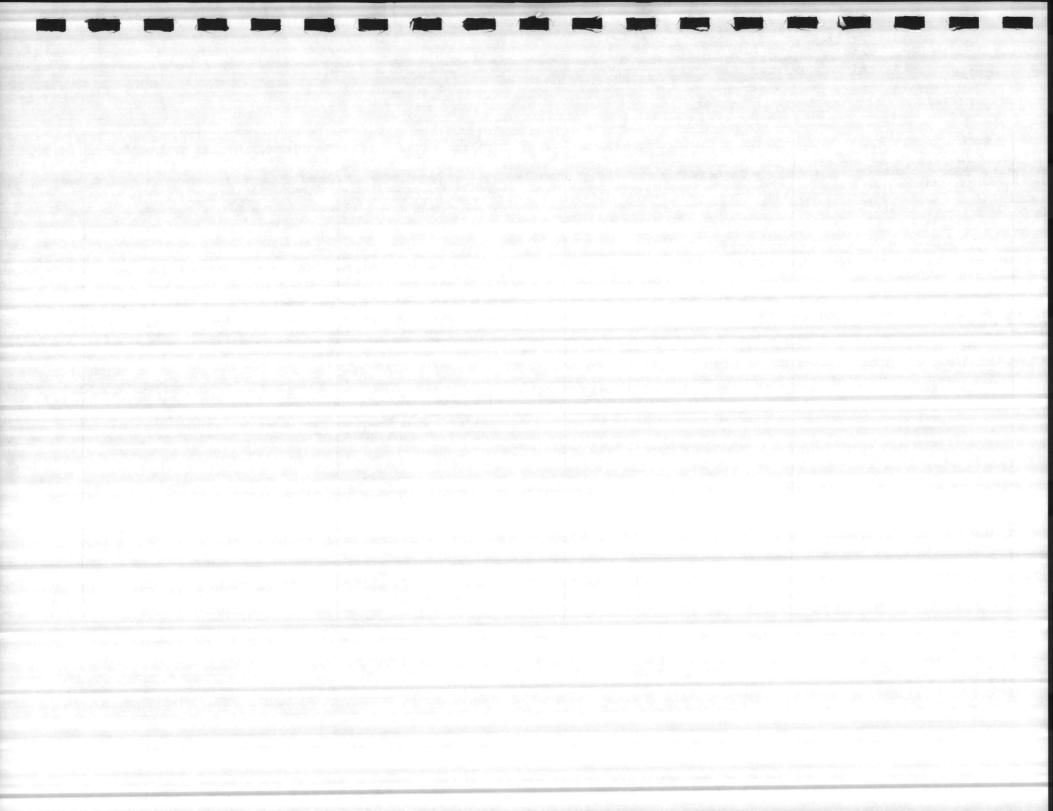


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
Distance from Supply Points POL (km)			
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	Yes		

FILE	NAME:	LP010076

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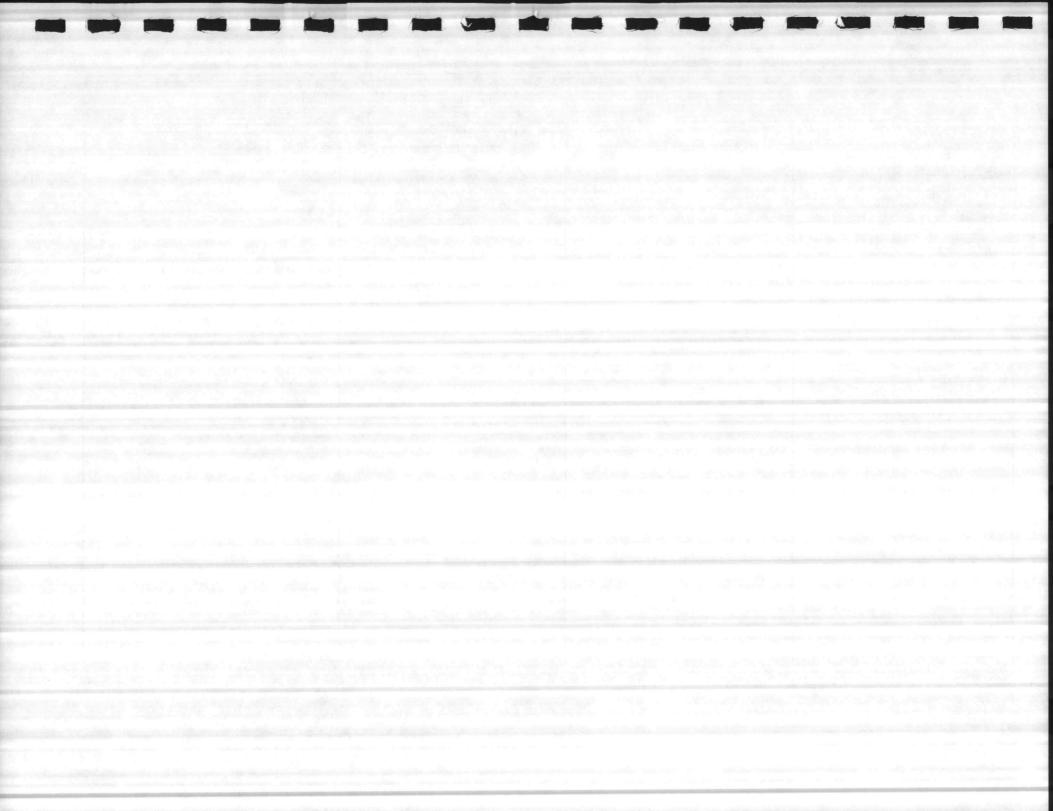


DATA ELEMENT	PRESENT CHA	RACTERISTICS	ANTICIPATED OR KNOWN CHA		CHARACTERIST NEEDED IF AP	
Non-availability per Year Total	NA O		0	0		
Other Ranges Which Must Be Closed When This Range is in Use	NA					
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	NA					
	NA					

TLE	NAME:	LP010076

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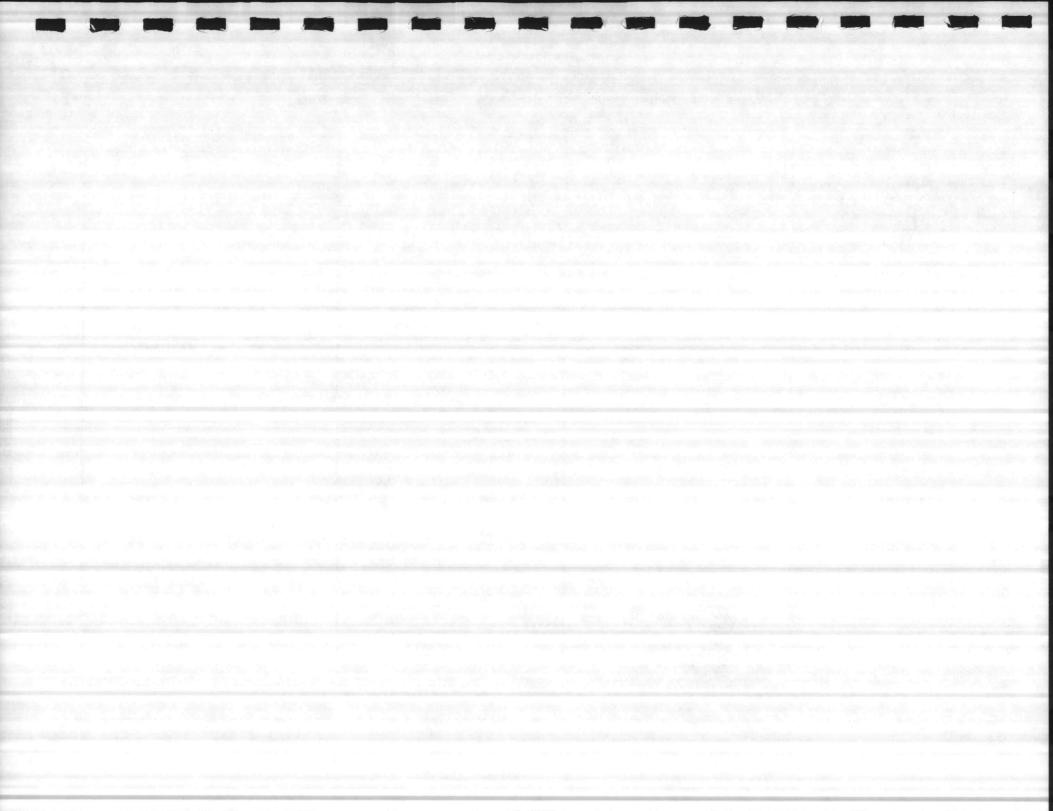
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Restrictions on Range Use	Undefined		
Environmental			
FAA Noise		A CONTRACTOR OF THE STATE OF TH	
Gas/Chemical	and the second second second second second		
Time of Day			
Time of Year			
			하는 것이 되었다. 이 가장에 가장 하는 것이 되었다. 그런 그런 그런 기술을 받는 것이다. 1986년

FILE NAME: LP010076
PAGE 6 OF 6 DATE: 03/05/87

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



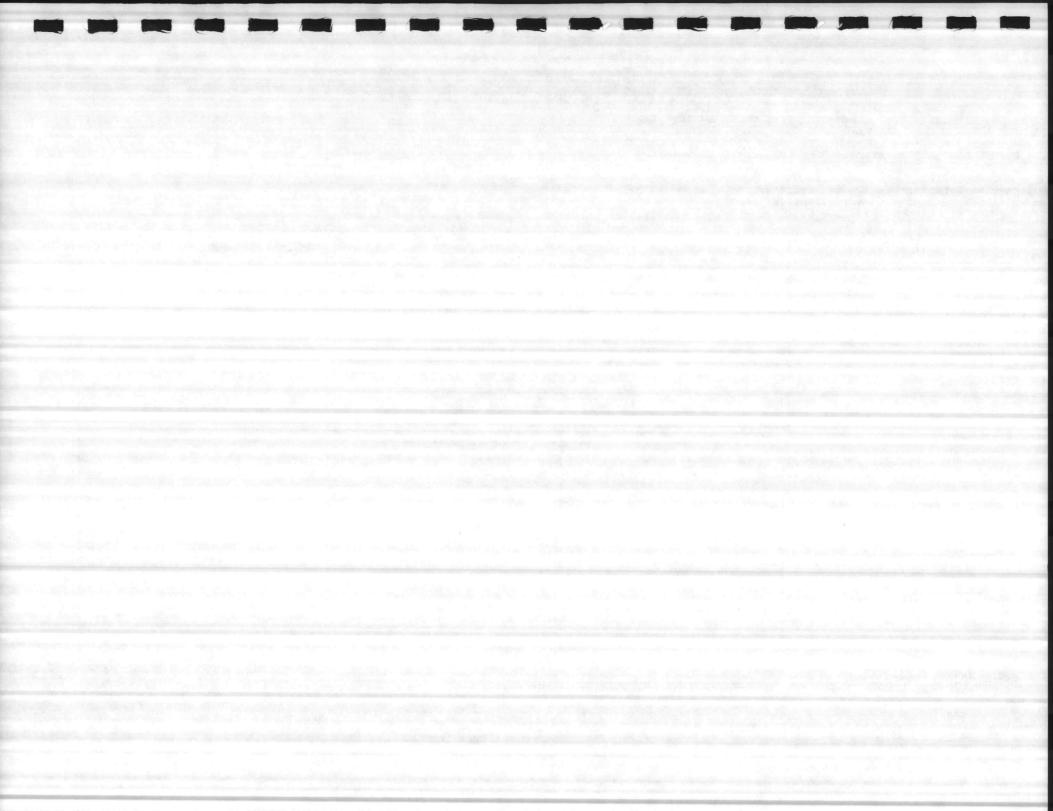
SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY:
	X Live-Fire Full Caliber
	Live-Fire Subcaliber
RANGE NAME AND LOCATION: OP-6, MCB, Camp Lejeune, NC	Simulator
Observation Post	Maneuver Area
INSTRUCTIONS:	Associated Air Space
One form for each range/facility/simulator	Other
Fill in data elements as appropriate	lin ili. Li. 140 alikuwa 1. Lil Nagini kao <mark>2011 iki k</mark> abila na 1866 ilikuwa 1966 ilikuwa 1868 ili.

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km)	Undefined		
Primary Direction of Fire			
Associated Air Space	17,999 ft; 399 sq km		
Coordinates	TP782355		
Safety Buffer Rear (km)	NA 		
Number of Firing Points/ Stations	 Undefined 		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area	X 		

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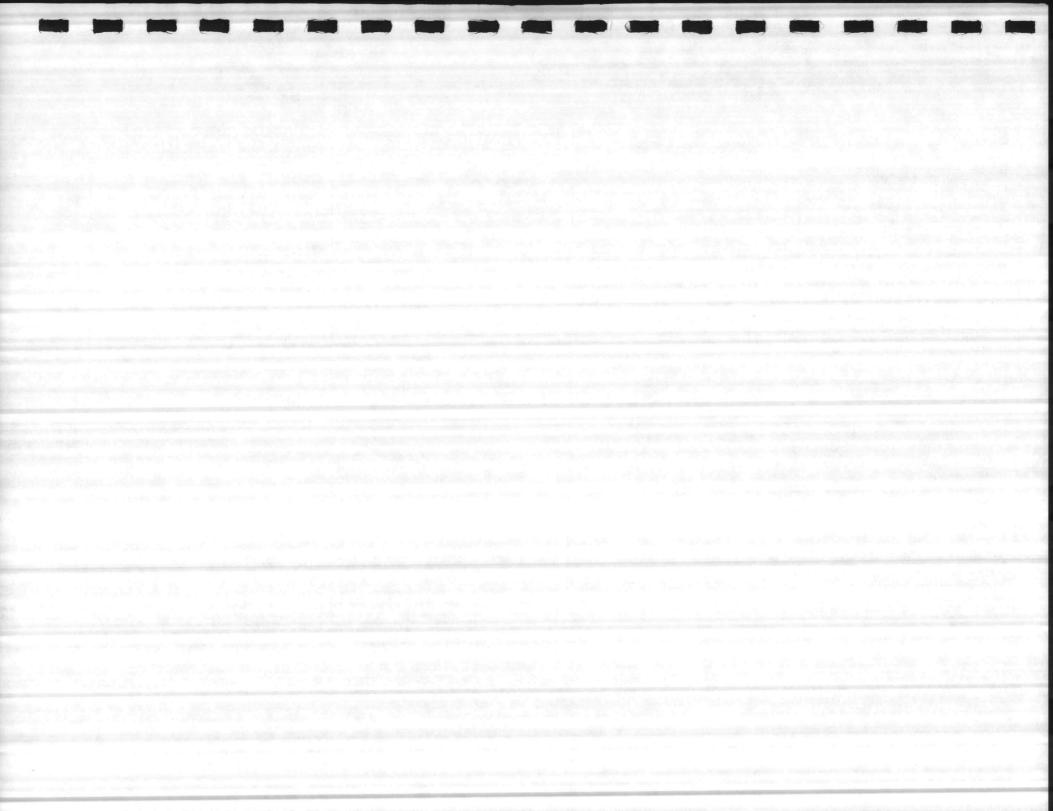
-- Use right column for new or improved ranges needed



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range 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		

FILE NAME: LP010077
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RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._

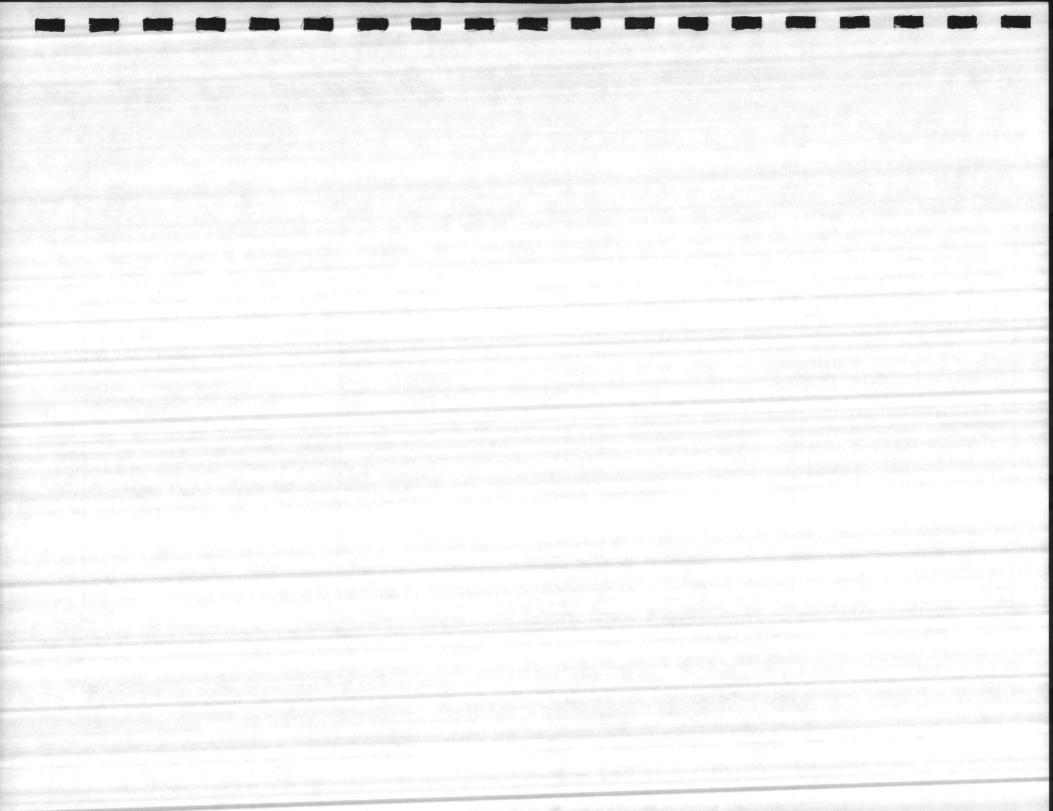


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	FO, FAC, TAB		
 Climate			
Seasonal Tropic Temperate Arctic Desert All-Weather (Indoor) Other	X	NOT APPLICABLE	NOT APPLICABLE
Terrain 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:	LP010077
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RANGE/FACILITY MANAGER: D. J. Hashagen, Sr:_

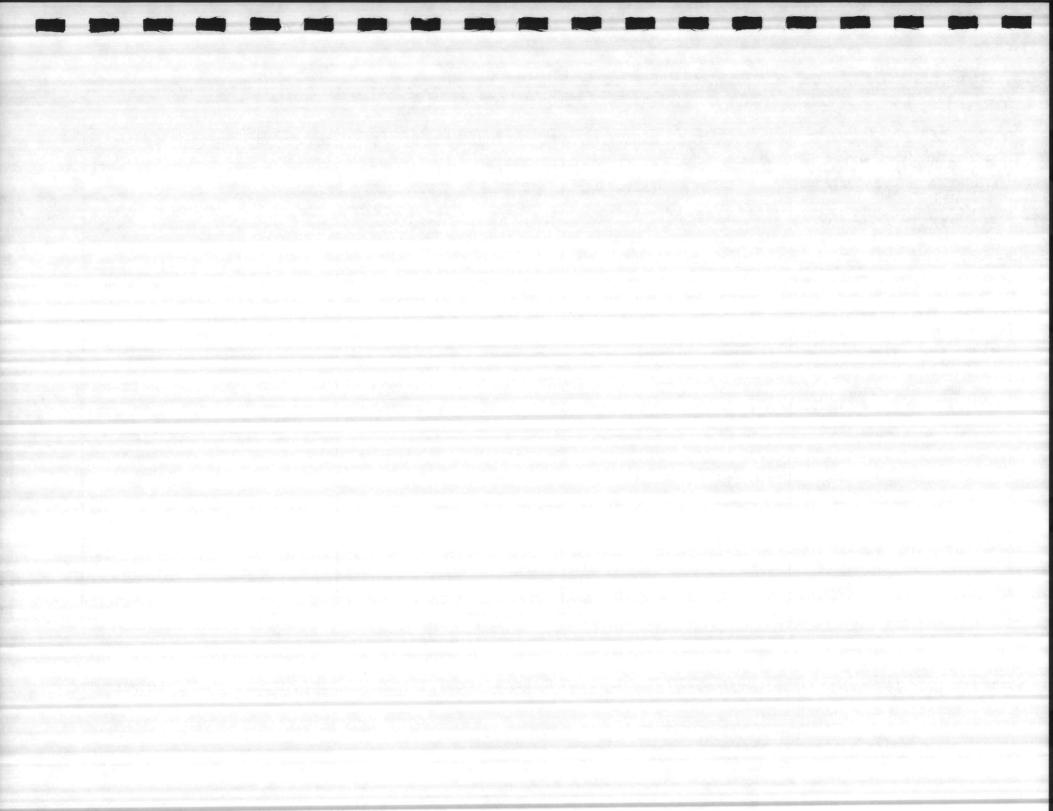


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	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	Undefined		
Number of Days per Year the Range/Facility is Available	365		
Is Range/Facility Capable of Nighttime Use? Yes, No	Yes		

FILE	NAME:	LP010077

AGE 4 OF 6 DATE: 03/05/87

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

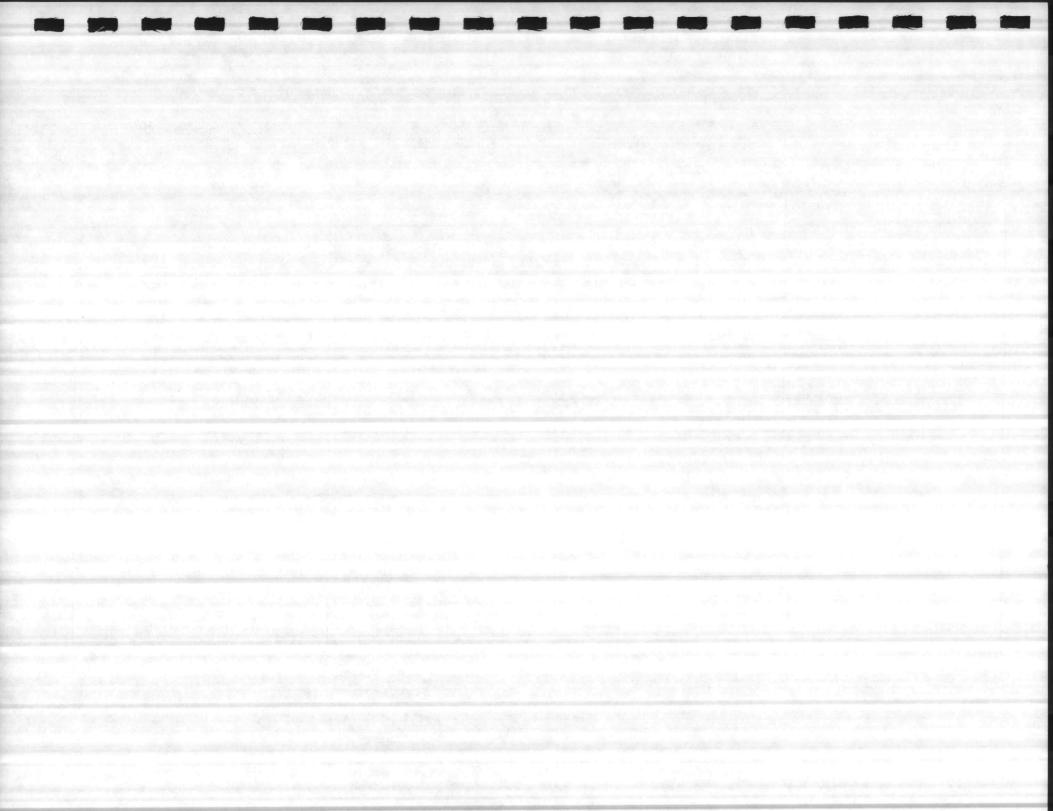


PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
NA 0	0	0
NA		
NA		
	NA O INA INA INA INA INA INA INA INA	PRESENT CHARACTERISTICS (INCLUDE YEAR) NA O NA NA NA NA NA NA NA NA

FILE NAME: LP010077
PAGE 5 OF 6 DATE:

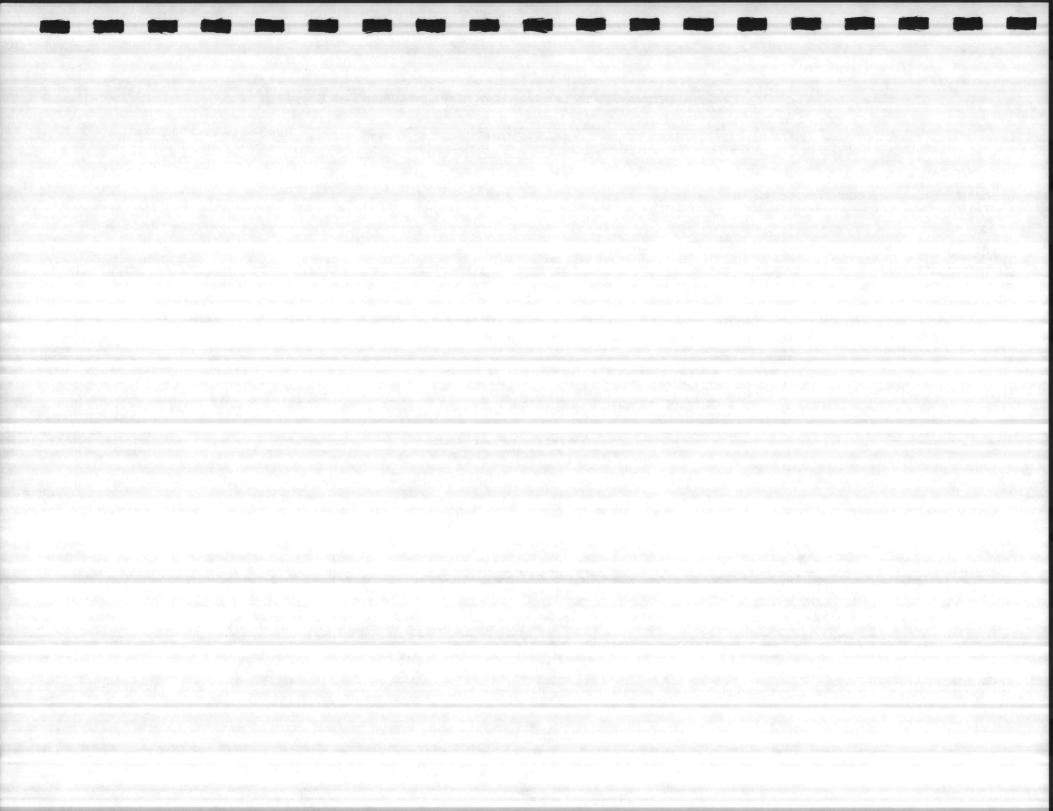
DATE: 03/05/87

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

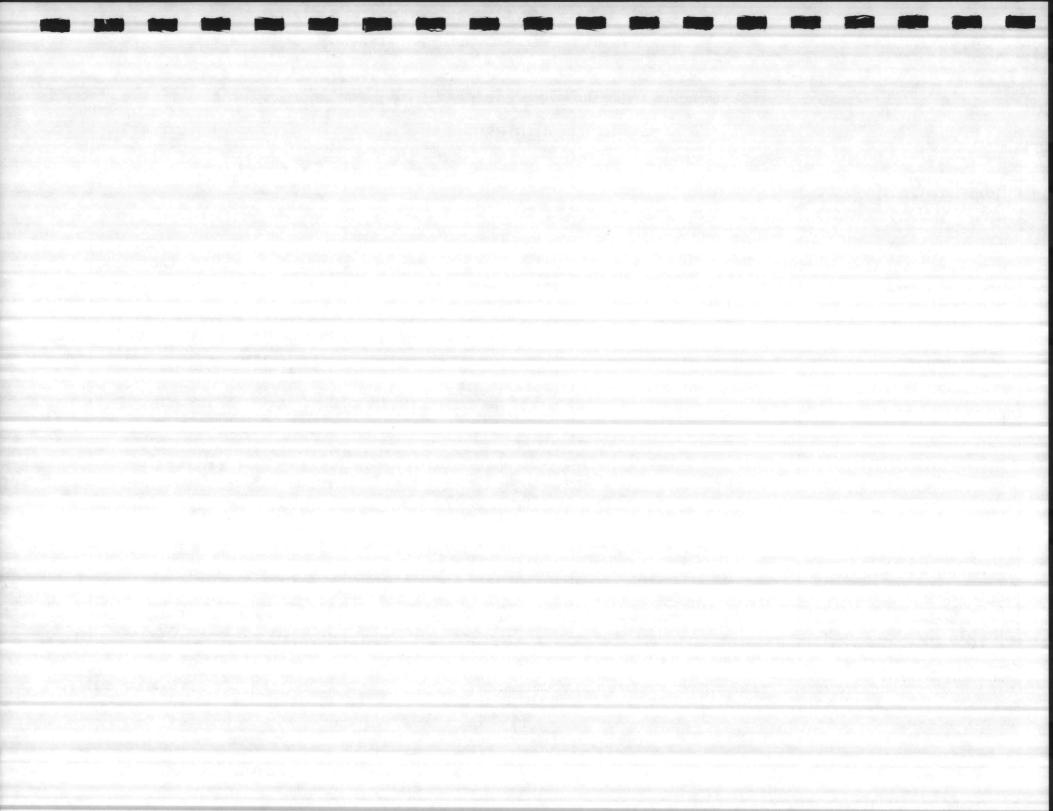
FILE NAME: LP010077
PAGE 6 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY: X Live-Fire Full Calibe: Live-Fire Subcaliber
RANGE NAME AND LOCATION: OP-5, MCB, Camp Lejeune, NC Observation Post	Simulator Maneuver Area
INSTRUCTIONS: One form for each range/facility/simulator Fill in data elements as appropriate Use right column for new or improved ranges needed	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)	Undefined		
Primary Direction of Fire			
Associated Air Space	17,999 ft; 399 sq km		
Coordinates	TP895344		
Safety Buffer Rear (km)	NA		
Number of Firing Points/ Stations	Undefined		
Range Facilities Control Tower	X		
Aid Station Parking Area Viewing Area			

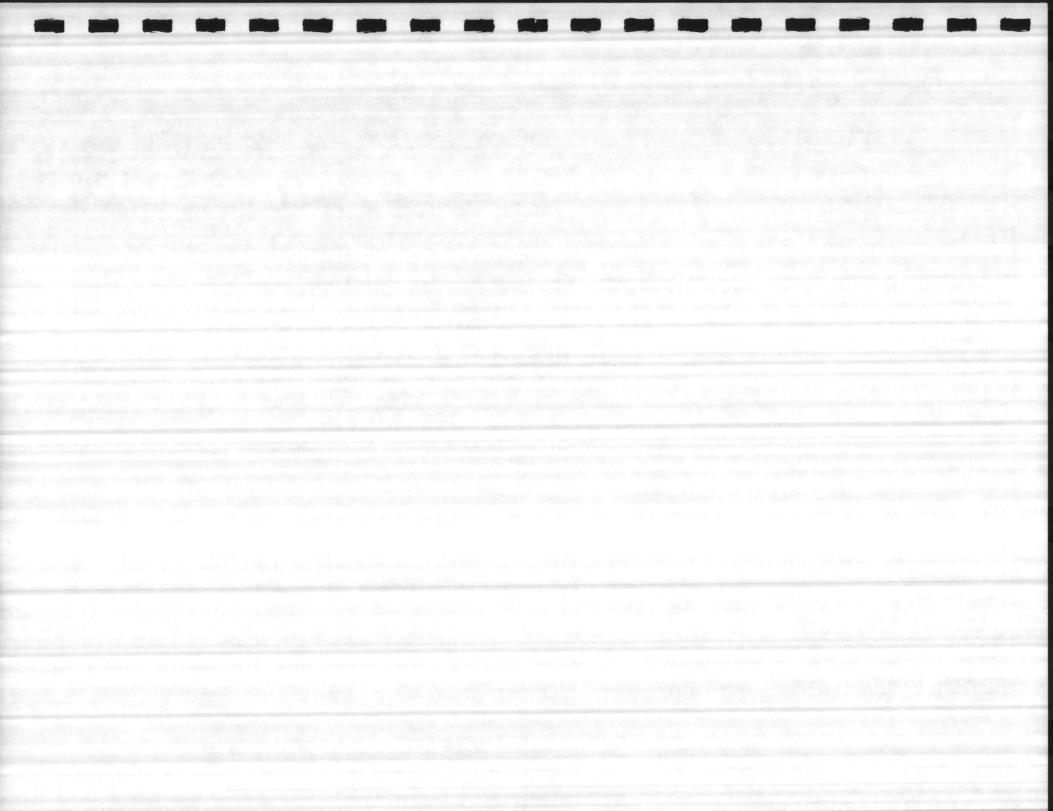
FILE NAME: LP010078
PAGE 1 OF 6 DATE: 03/05/87



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	NA		
Are There Associated Simulation Devices? Yes, No, NA	NA .		

FILE NAME: LP010078 PAGE 2 OF 6 DATE:

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

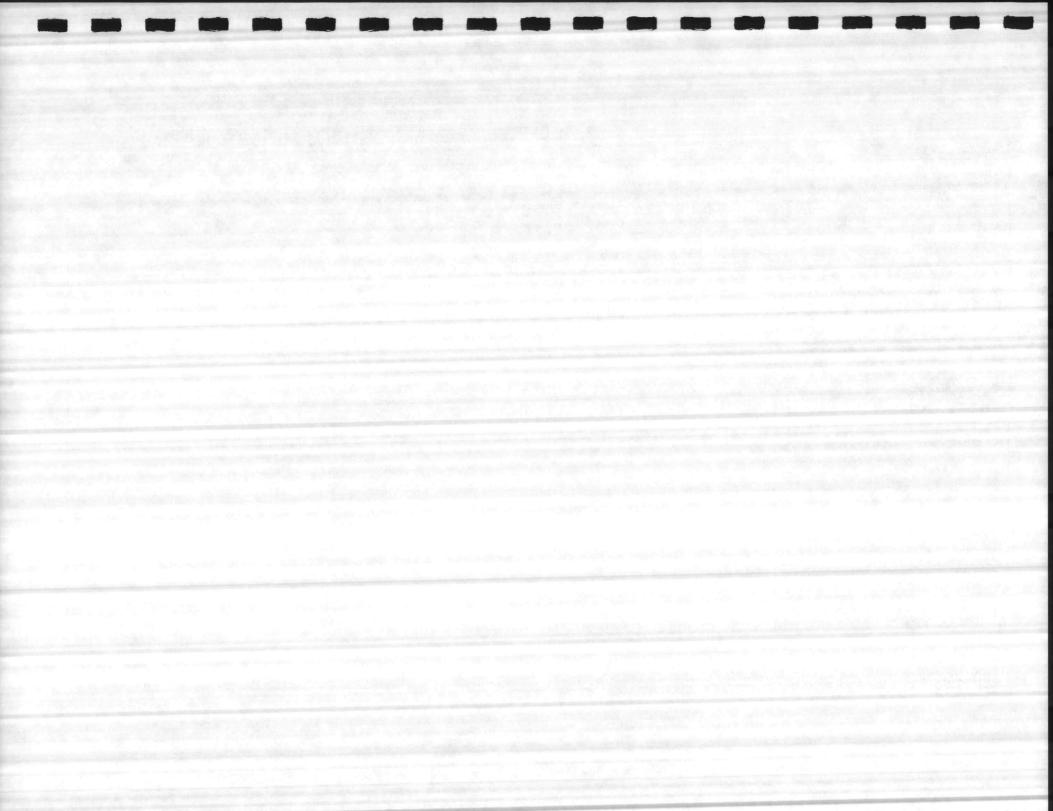


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	FO, FAC, TAB		
Climate			
Seasonal	X	NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage 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:	LP01007	8
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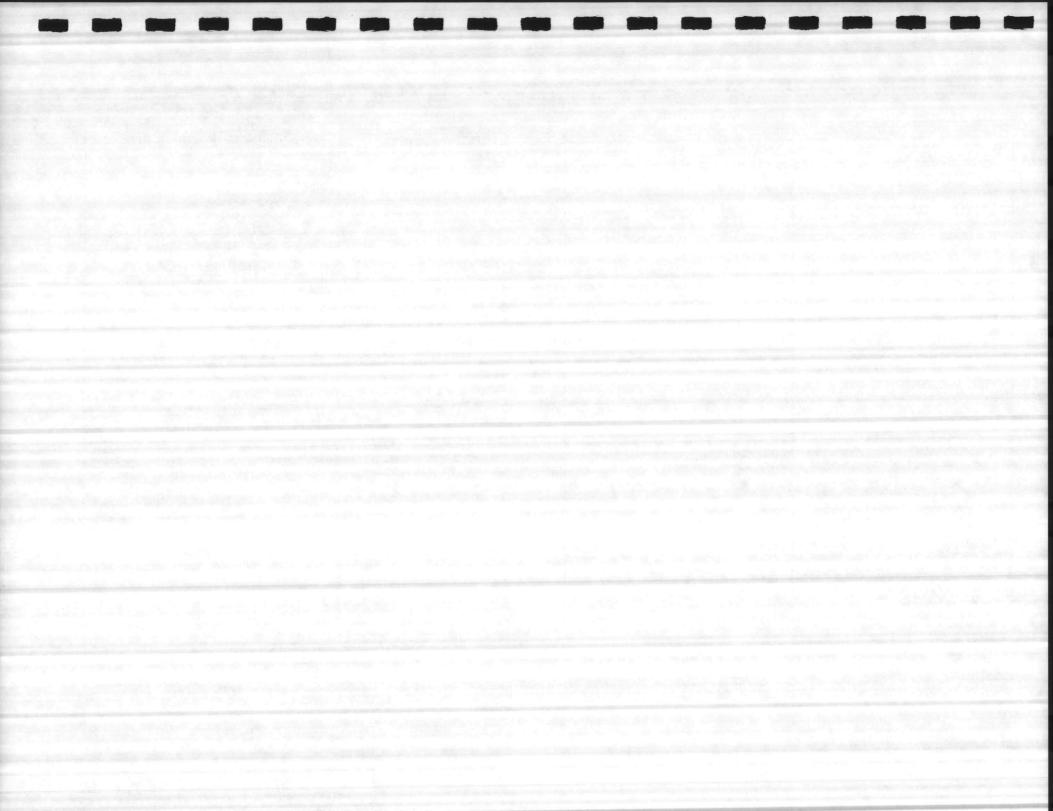
PAGE 3 OF 6 DATE: 03/05/87

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



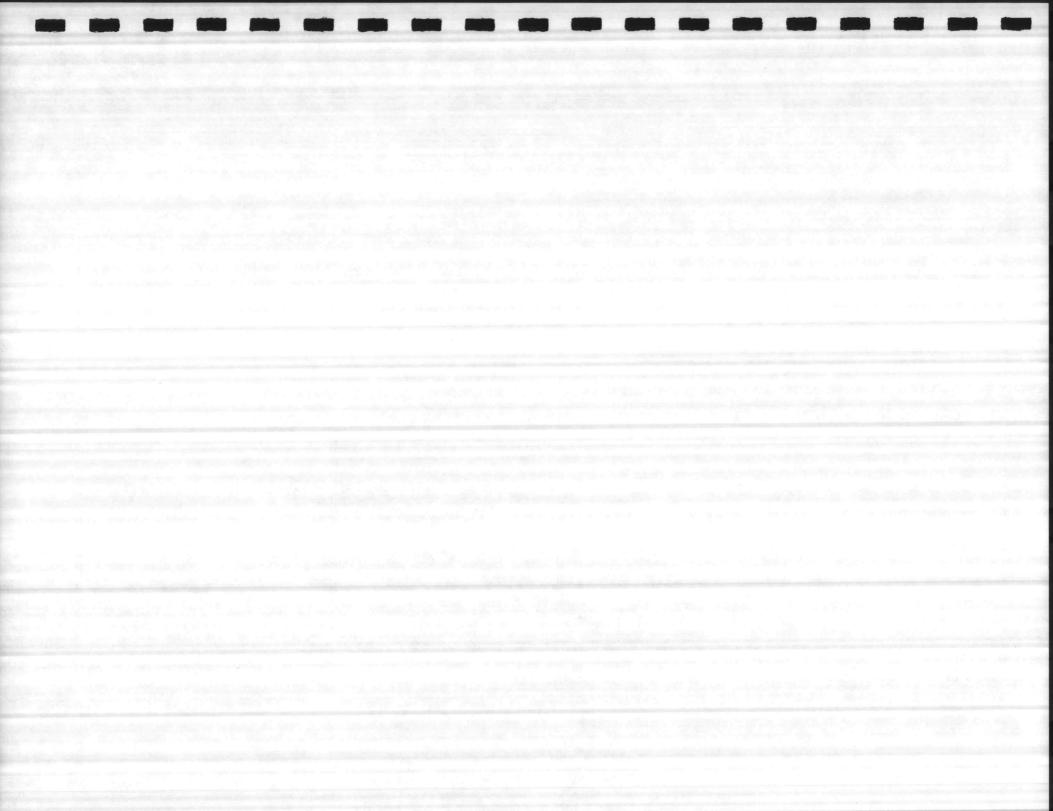
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy.			
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	2	•	
Distance from Supply Points POL (km)	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	Undefined		
Number of Days per Year the Range/Facility is Available	365		
Is Range/Facility Capable of Nighttime Use? Yes, No	Yes		

FILE	E NAME:			LP010078	
PAGE	4	OF	6	DATE:	03/05/8



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS
Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other			
in Use 	 		
Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain			

FILE	NAME:			LP010078	
PAGE	5	OF	6	DATE:	03/05/8

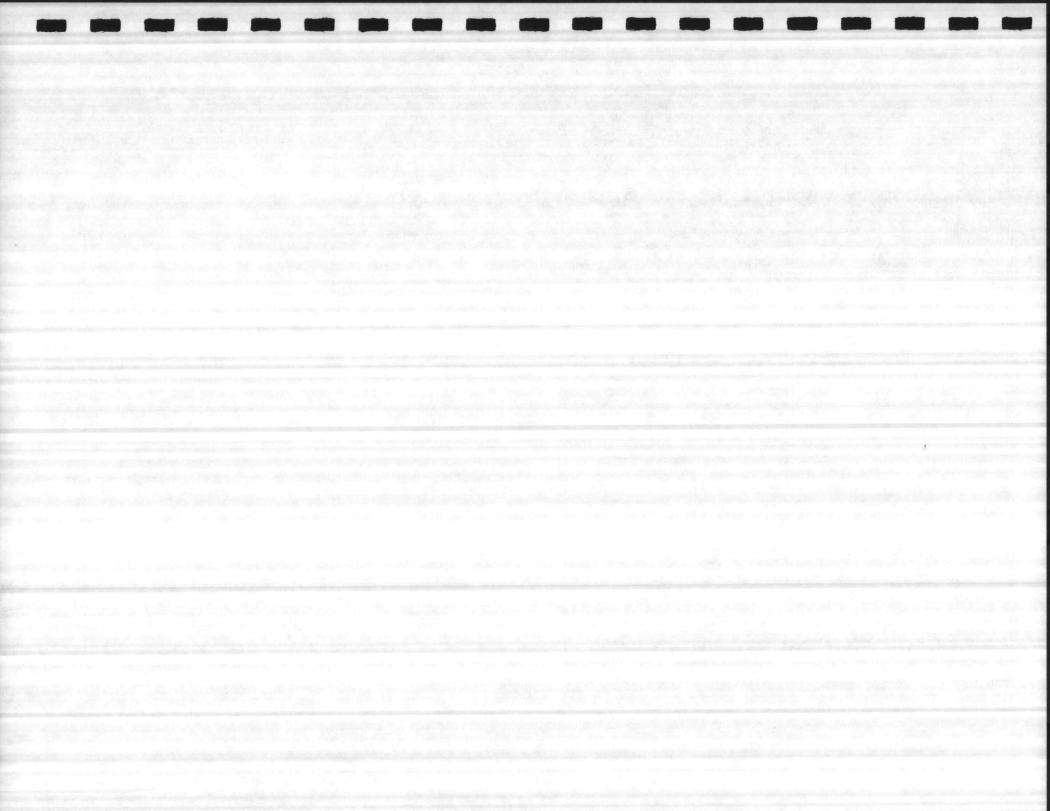


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DES	YEAR I	CHARACTER NEEDED IF	APPLICABLE
strictions on Range Use Environmental	X Woodpecker habitat					
FAA						
Noise						
Time of Day		I will be a second				
Other						
			1.			
			1			
	 1 Tearly to a consequence integrals compared to consequence of the consequen					

FILE NAME: LP010078

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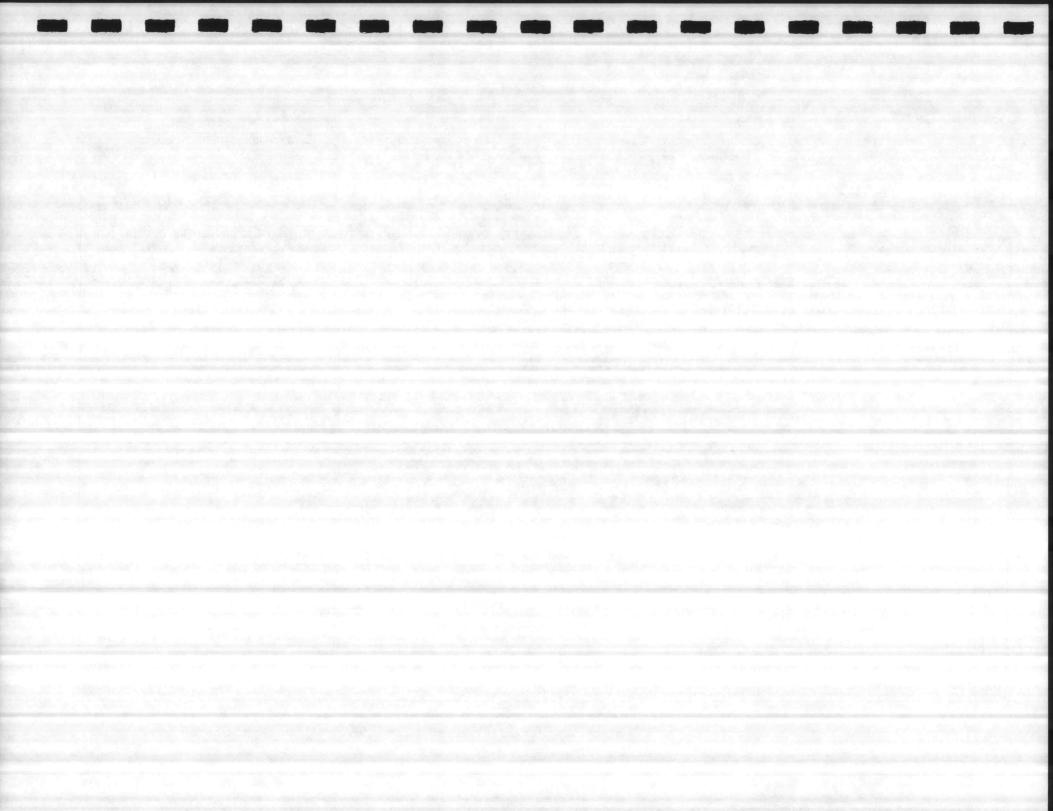
DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY: X Live-Fire Full Caliber Live-Fire Subcaliber
RANGE NAME AND LOCATION: OP-3, MCB, Camp Lejeune, NC Observation Post INSTRUCTIONS:	Simulator Maneuver Area Associated Air Space
One form for each range/facility/simulator Fill in data elements as appropriate Use right column for new or improved ranges needed	Other

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km)	Undefined		
Primary Direction of Fire			
Associated Air Space	17,999 ft; 399 sq km		
Coordinates	TP927368		
Safety Buffer Rear (km)	NA		
Number of Firing Points/ Stations	Undefined		
Range Facilities			
Control Tower	ix I		
Utility Building			

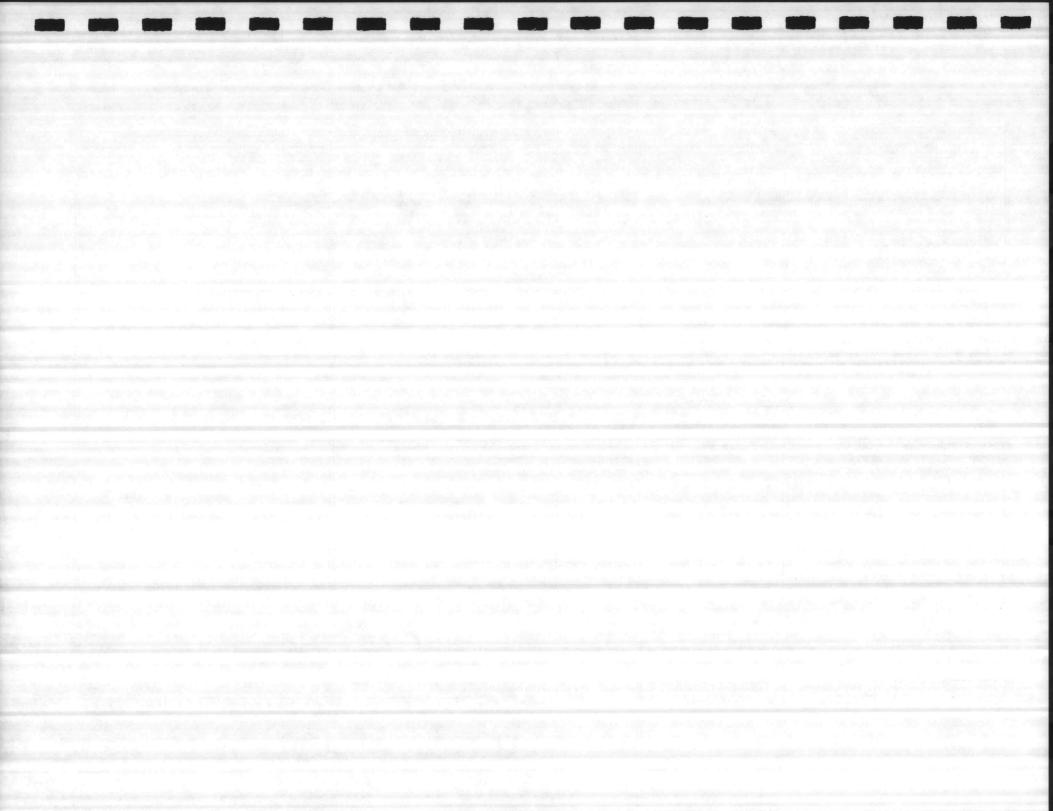
FILE NAME: LP010079
PAGE 1 OF 6 DATE:



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	NA		
Are There Associated Simulation Devices? Yes, No, NA	NA .		

FILE NAME: LP010079
PAGE 2 OF 6 DATE: 03/05/87

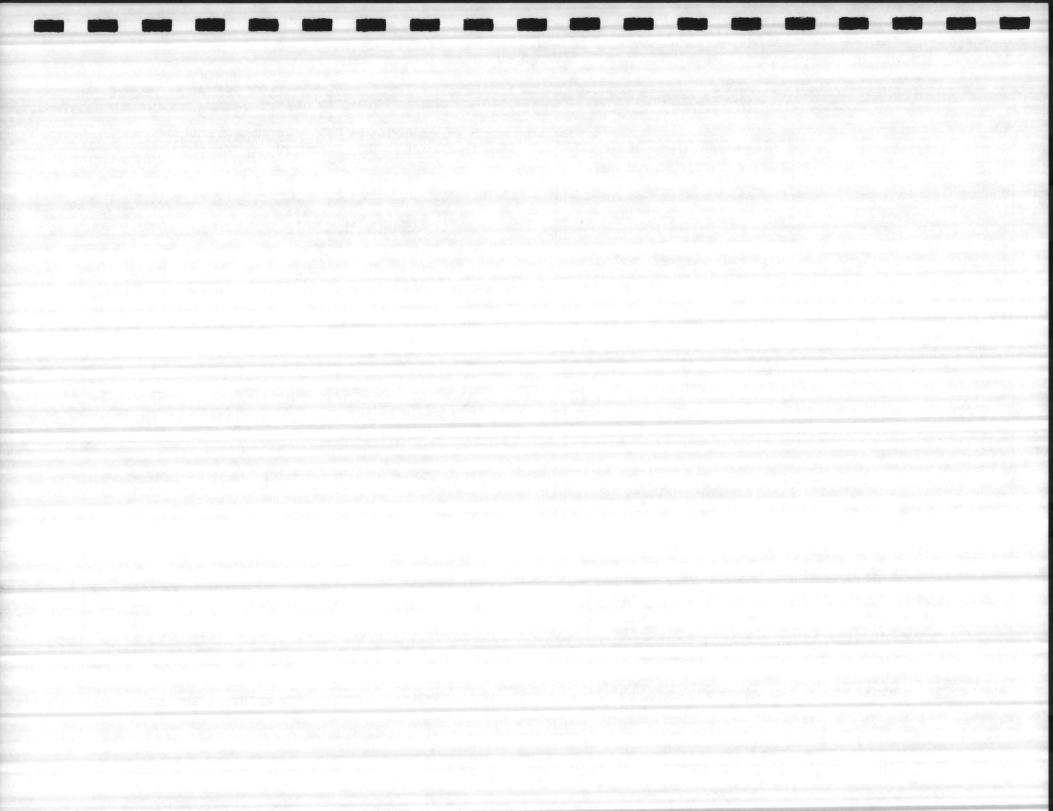
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	FO, FAC, TAB, 60-mm, 81-mm		
Climate			
Seasonal	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	100	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010079
PAGE 3 OF 6 DATE: 03/05/87

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



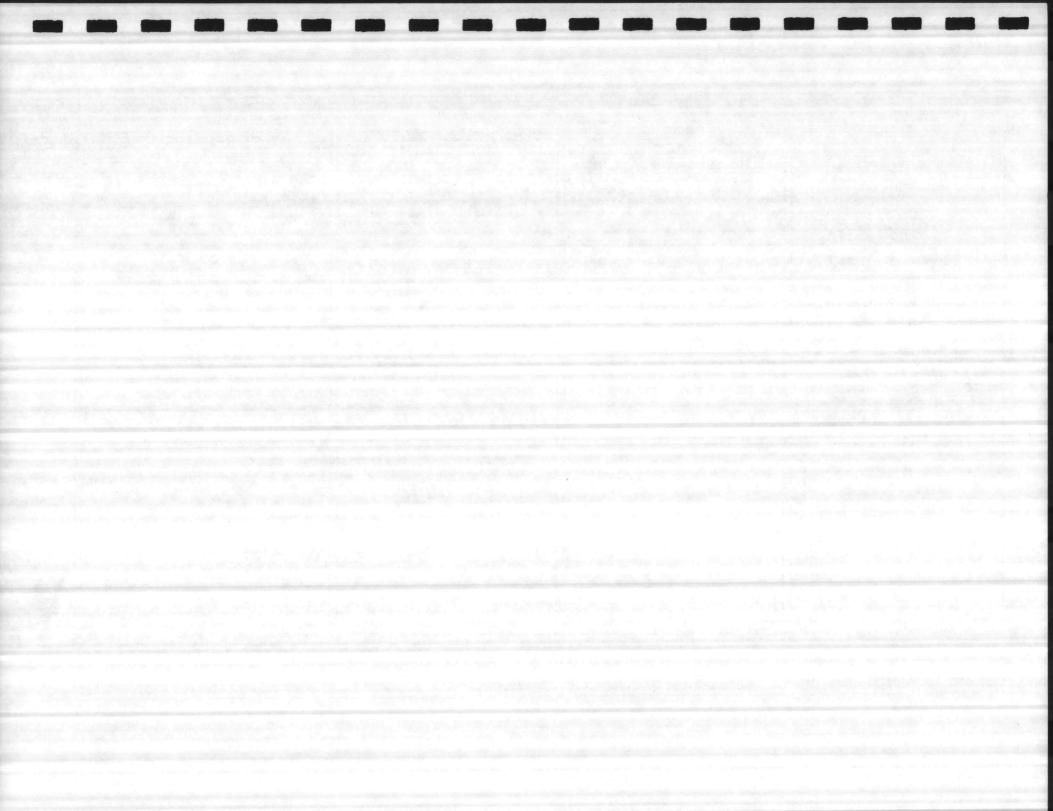
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	2		
Distance from Supply Points POL (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	8		
Number of Days per Year the Range/Facility is Available	365		
Is Range/Facility Capable of Nighttime Use? Yes, No	Yes		

FILE	NAME:	LP010079

PAGE 4 OF 6 DATE: 03/05/87

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

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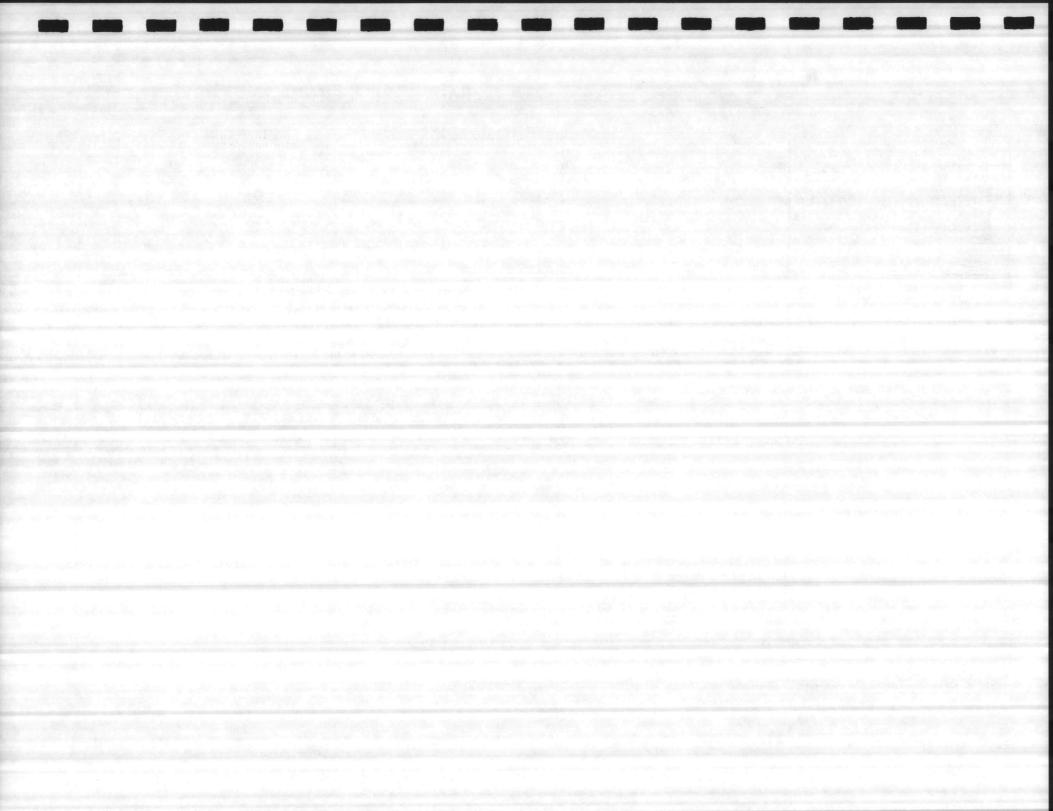


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays.	NA 0	0	
Other Ranges Which Must Be Closed When This Range is in Use	NA NA		
Are There Site-unique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

FILE NAME: LP010079
PAGE 5 OF 6 DATE:

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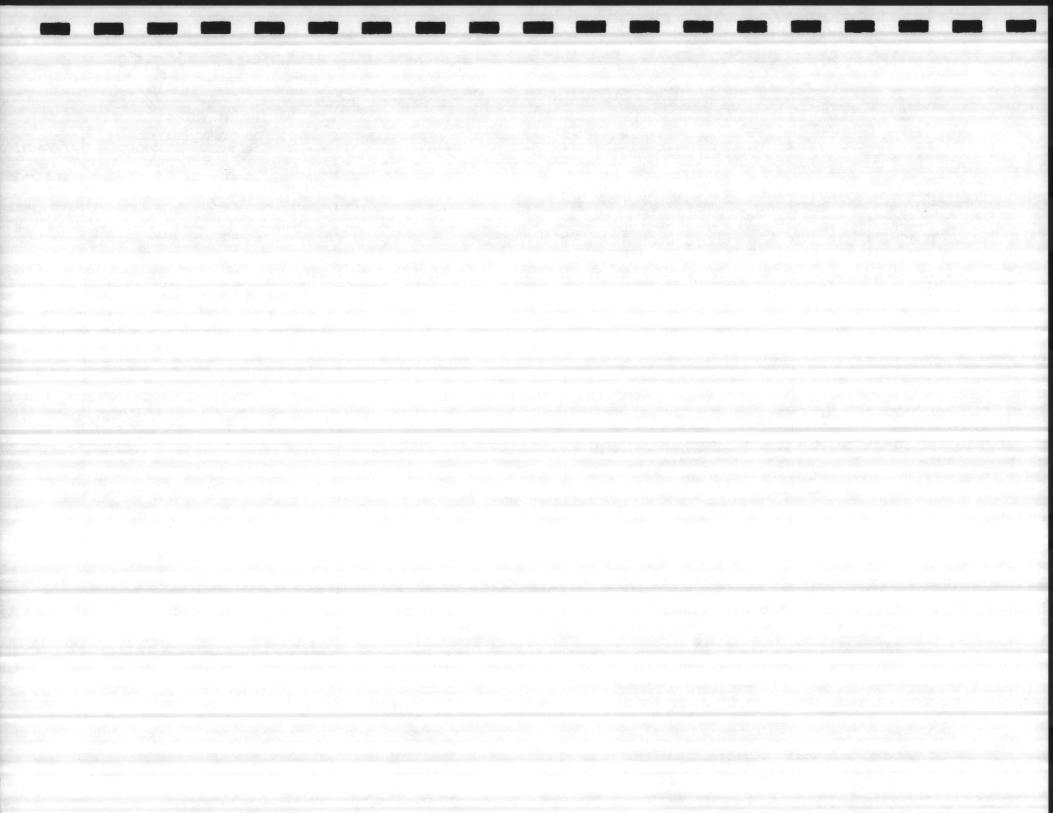
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Restrictions on Range Use Environmental			

FILE NAME: LP010079
PAGE 6 OF 6 DATE: 03/05/87

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

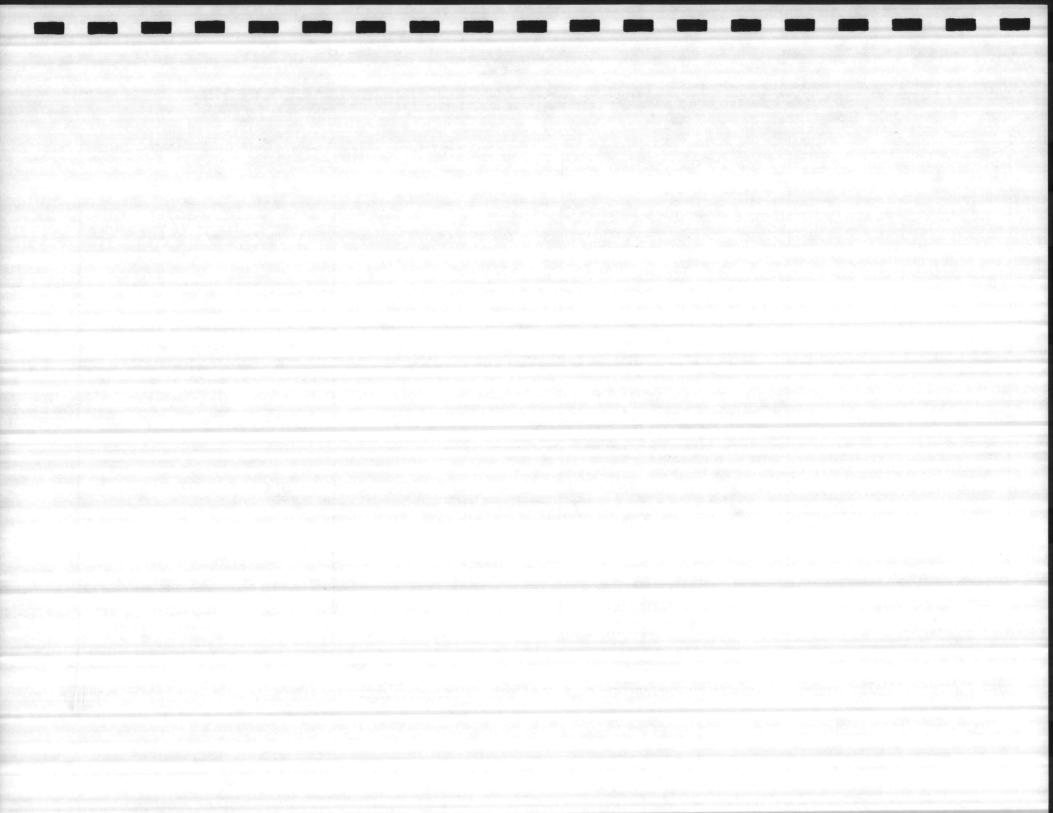


RANGE NAME AND LOCATION: OP-2, Observation Post INSTRUCTIONS: One form for each range/faci Fill in data elements as app Use right column for new or	MCB, Camp Lejeune, NC lity/simulator ropriate		TYPE RANGE FACILITY: X Live-Fire Full Caliber Live-Fire Subcaliber Simulator Maneuver Area Associated Air 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) Primary Direction of Fire Associated Air Space	Undefined Undefined 17,999 ft; 399 sq km TP914373		
 Safety Buffer Rear (km)			
 Number of Firing Points/ Stations	Undefined		
	X X 		

FILE NAME: LP010080

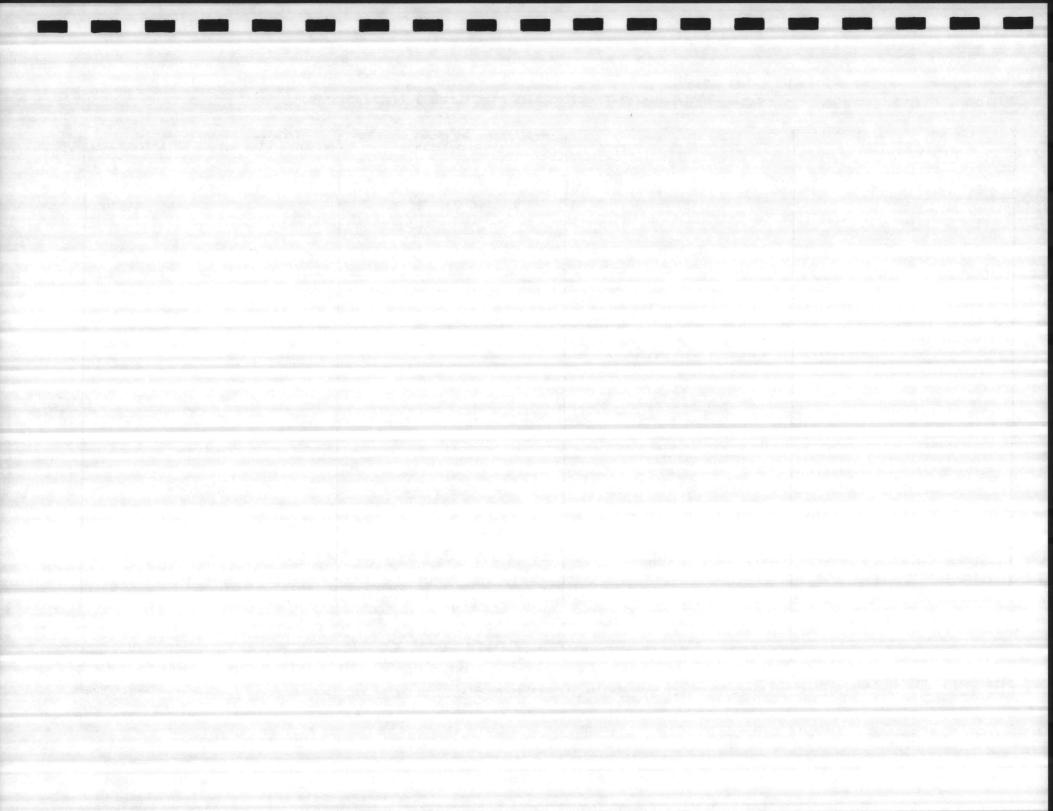
PAGE 1 OF 6 DATE: 03/05/87

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



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

FILE NAME: LP010080
PAGE 2 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

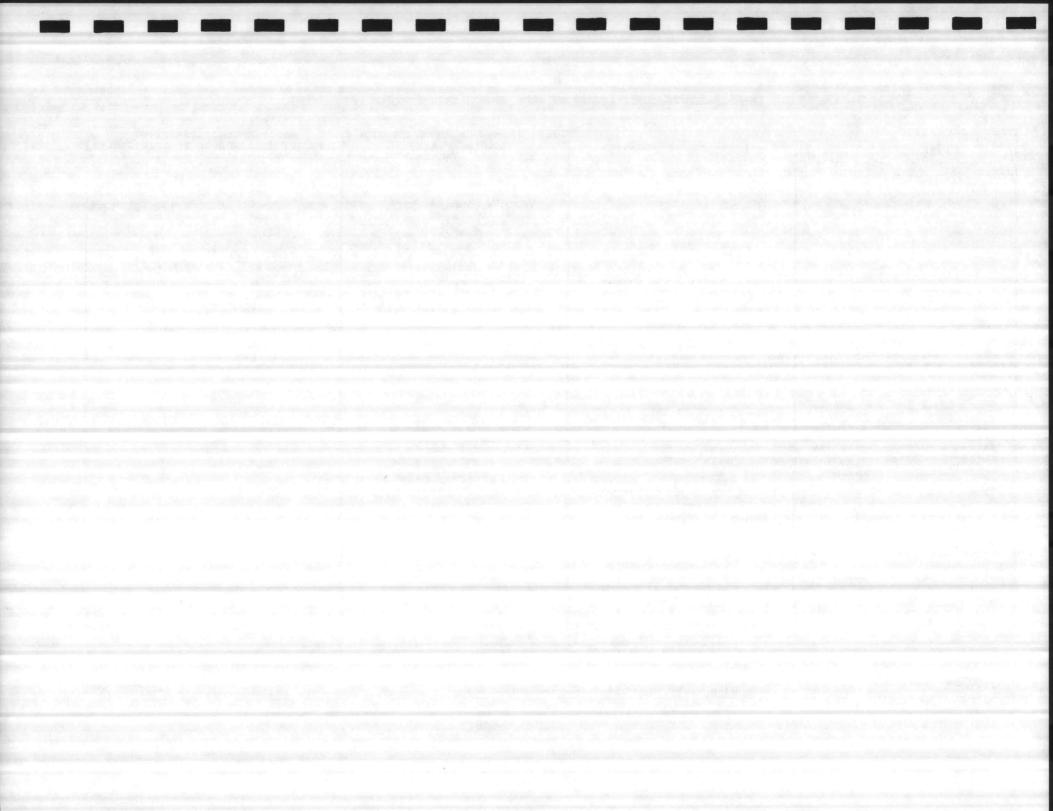


PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
FO, FAC, TAB, 60-mm, 81-mm		
x		
	NOT APPLICABLE	NOT APPLICABLE
100	NOT APPLICABLE	NOT APPLICABLE
100	NOT APPLICABLE	NOT APPLICABLE
	FO, FAC, TAB, 60-mm, 81-mm X 100	PRESENT CHARACTERISTICS (INCLUDE YEAR) FO, FAC, TAB, 60-mm, 81-mm NOT APPLICABLE NOT APPLICABLE NOT APPLICABLE

FILE NAME: LP010080 PAGE 3 OF 6 DATE:

DATE: 03/05/87

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

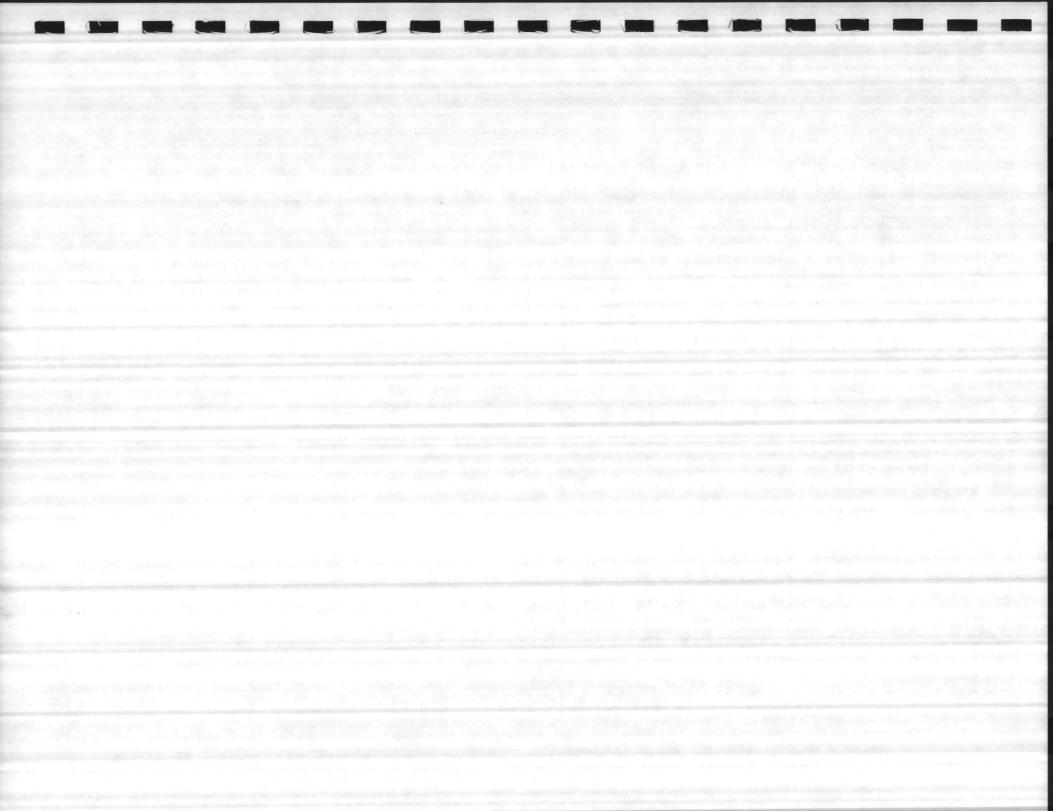


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas Distance from Supply Points POL (km)	4		
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			
Number of Days per Year the Range/Facility is Available	365		
Is Range/Facility Capable of Nighttime Use? Yes, No	Yes		

FILE	NAME:	LP010080

PAGE 4 OF 6 DATE: 03/05/87

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

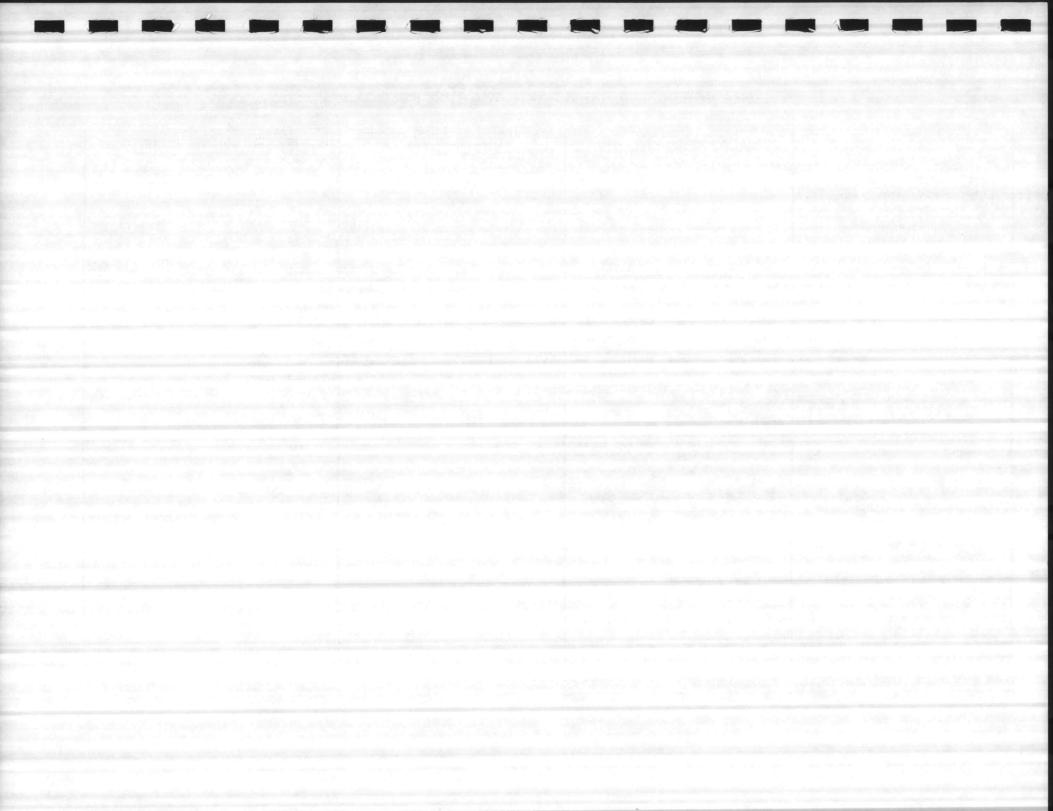


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays.		0	0
Other Ranges Which Must Be Closed When This Range is in Use	NA		
 	 Yes Police area after use 		

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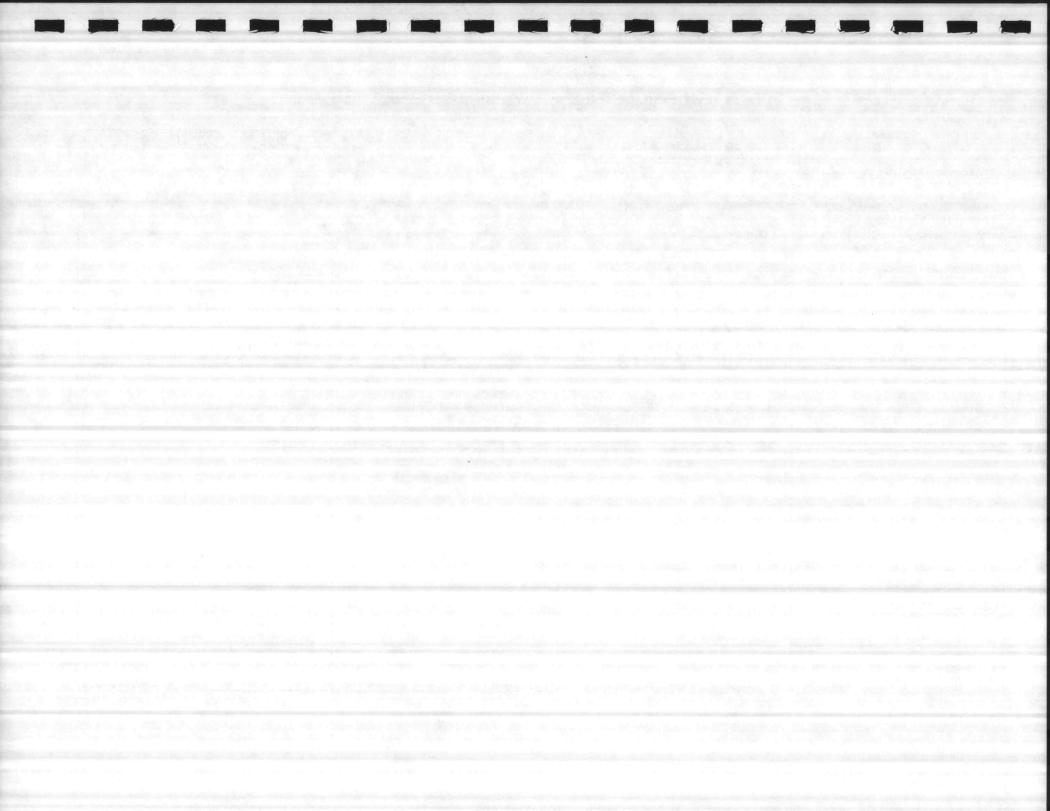
FILE NAME: PAGE 5 OF 6 DATE: 03/05/87

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



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
EnvironmentalAICUZFAA	NA		
Noise			
Other			

FILE NAME: LP010080
PAGE 6 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY: X Live-Fire Full Caliber
RANGE NAME AND LOCATION: OP-1, MCB, Camp Lejeune, NC Observation Post	Live-Fire Subcaliber Simulator Maneuver Area
INSTRUCTIONS: One form for each range/facility/simulator Fill in data elements as appropriate	Associated Air Space Other

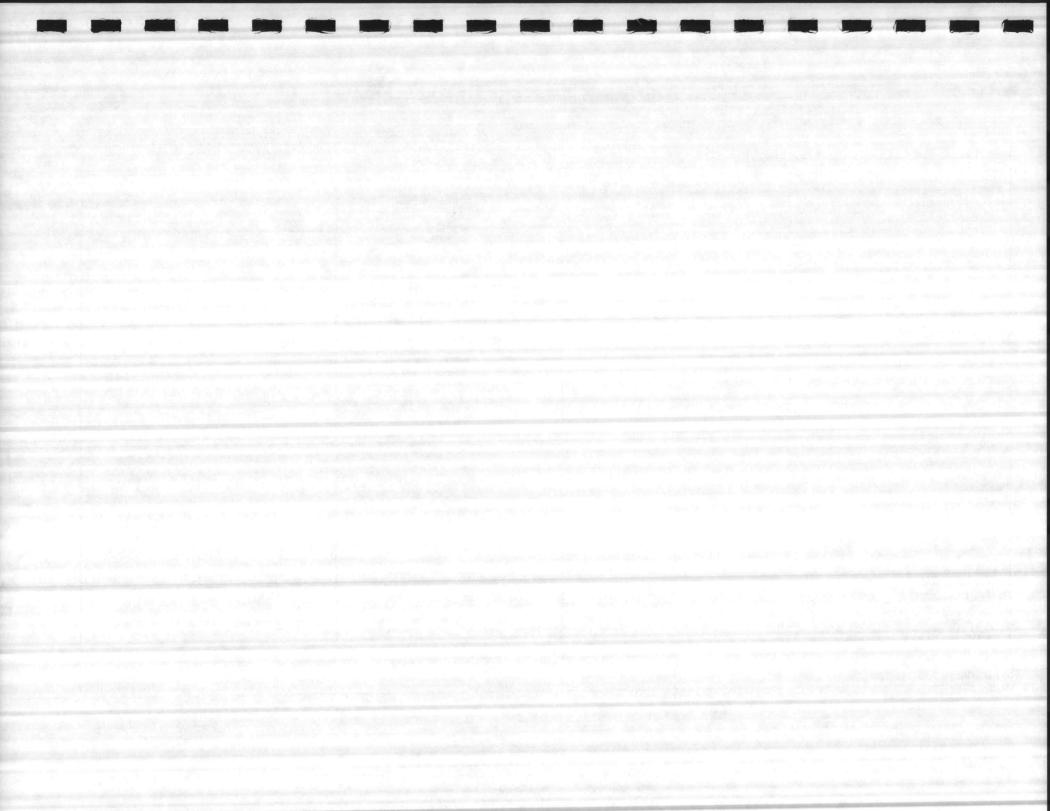
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR & KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km) Primary Direction of Fire	 Undefined 		
Associated Air Space	 17,999 ft; 399 sq km 		
Coordinates	TP904375 		
Safety Buffer Rear (km)	 NA		
Sides (km)			
Number of Firing Points/ Stations	Undefined Undefined		
Range Facilities Control Tower Communications System Target Shed Utility Building	X		
Parking AreaViewing Area			

FILE NAME: LP010081 PAGE 1 OF 6 DATE:

DATE: 03/05/87

-- Use right column for new or improved ranges needed

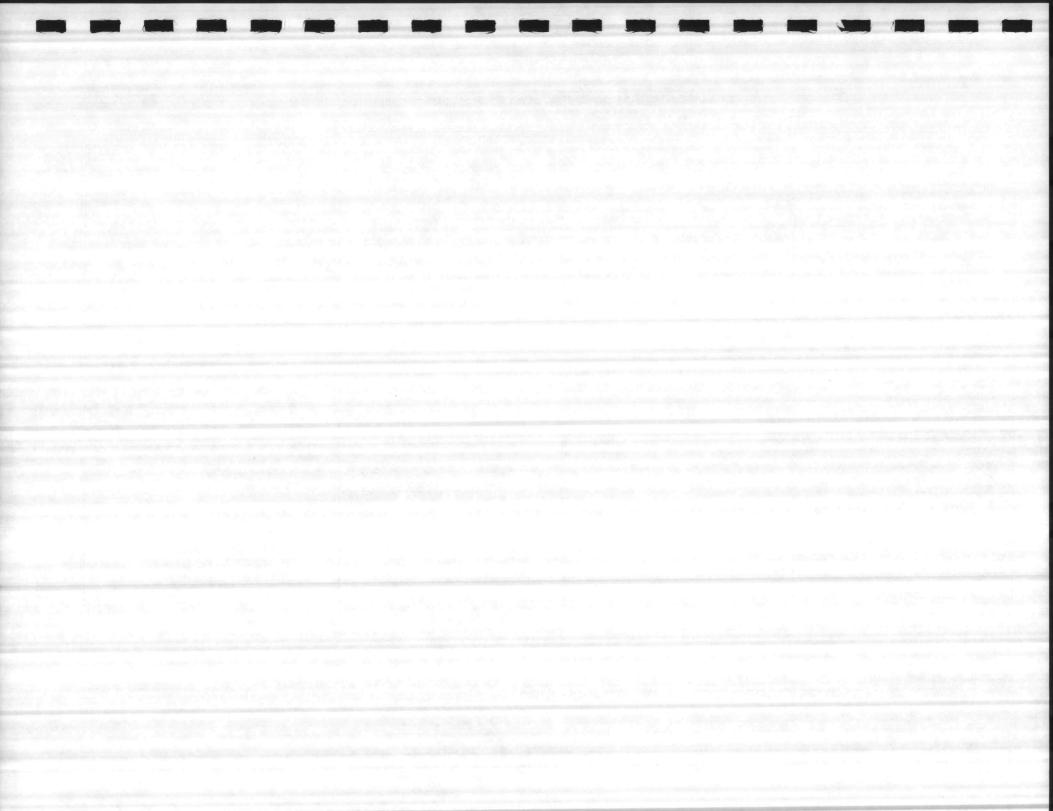
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



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			
Target Types Pop-up Stationary Moving Revolving Other	NA		
Are There Associated Simulation Devices? Yes, No, NA	NA		

FILE NAME: LP010081 PAGE 2 OF 6 DATE: 03/05/87

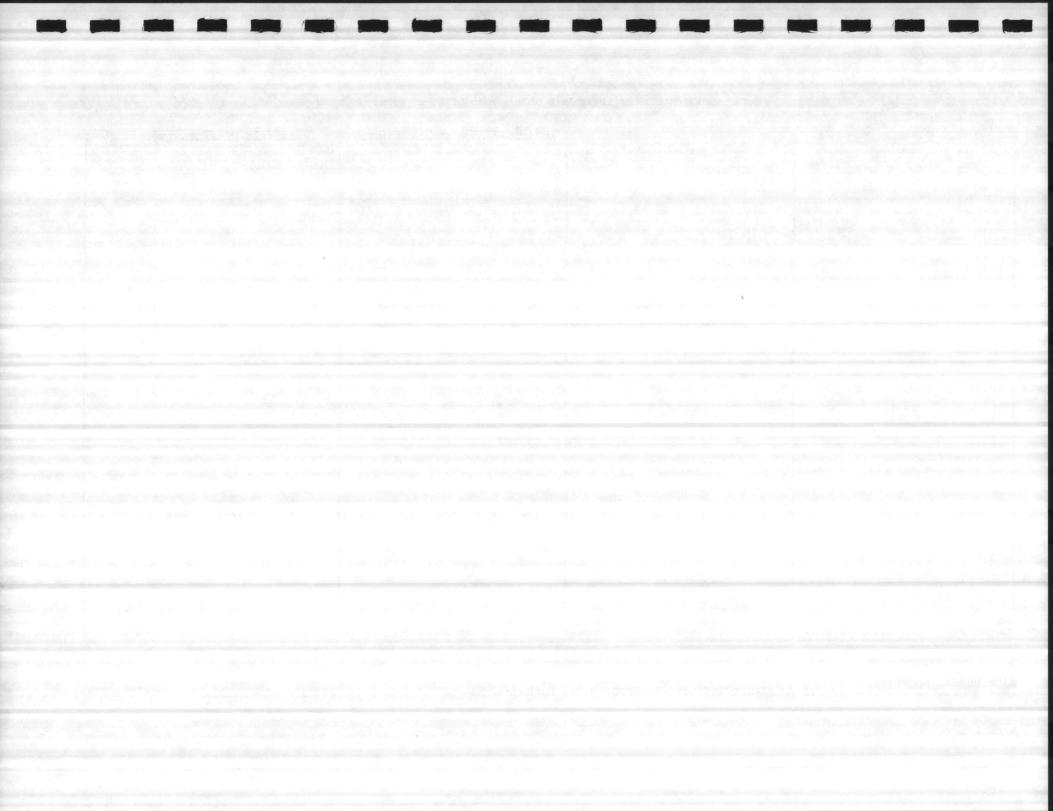
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	FO, FAC, TAB		
Climate Seasonal	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

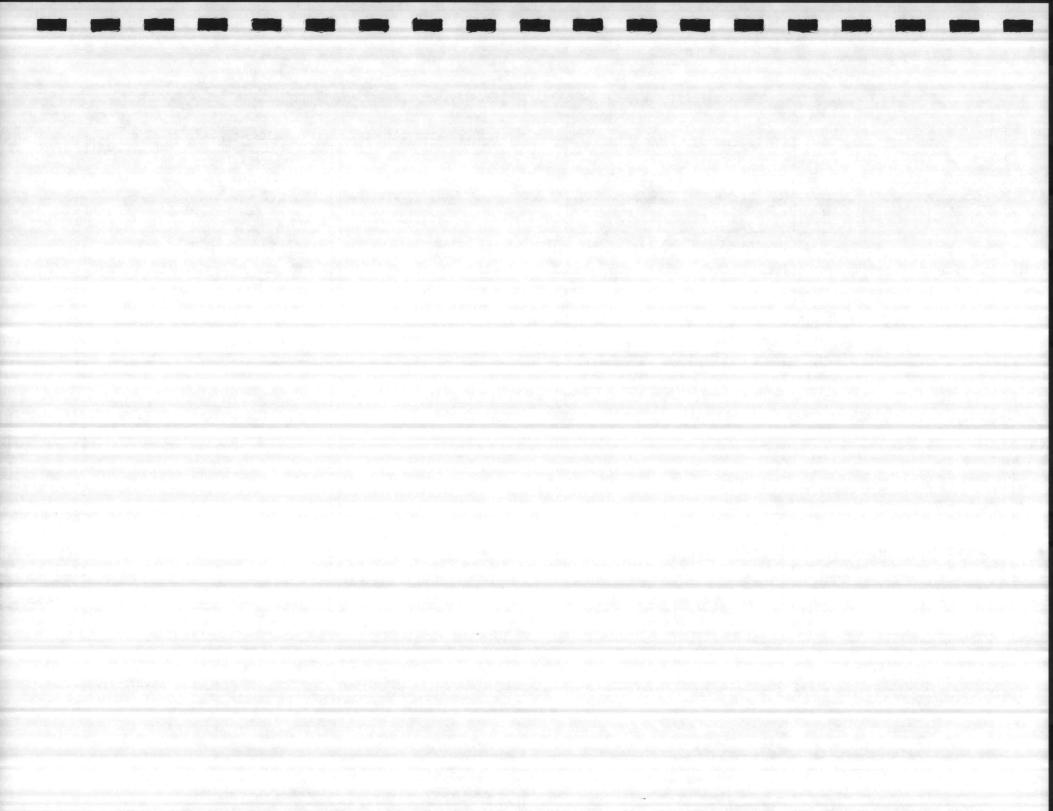
FILE NAME: LP010081
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RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



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	2		
Distance from Supply Points POL (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	Yes		

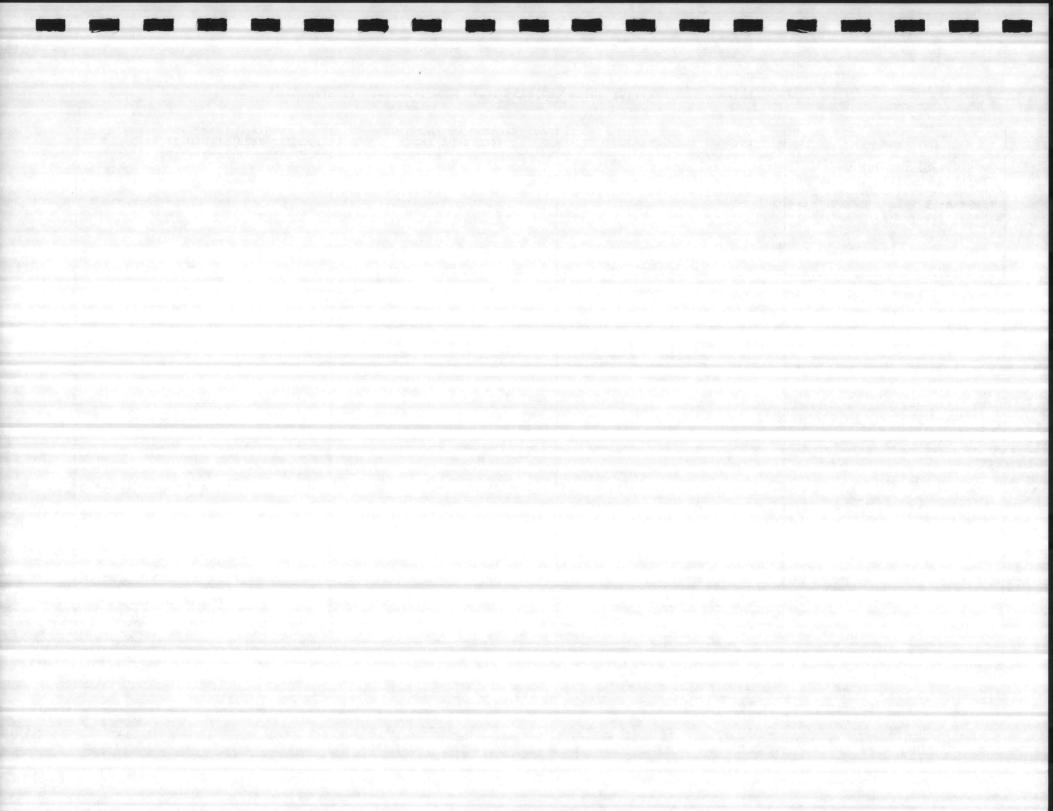
FILE	NAME:	LP010081	
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total		0	0
Other Ranges Which Must Be Closed When This Range is in Use	NA		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	NA		
Are There Site-unique Requirements Placed on Using Units? Yes, No, Explain	 Yes Police area after use 		

FILE NAME: LP010081
PAGE 5 OF 6 DATE: 03/05/87

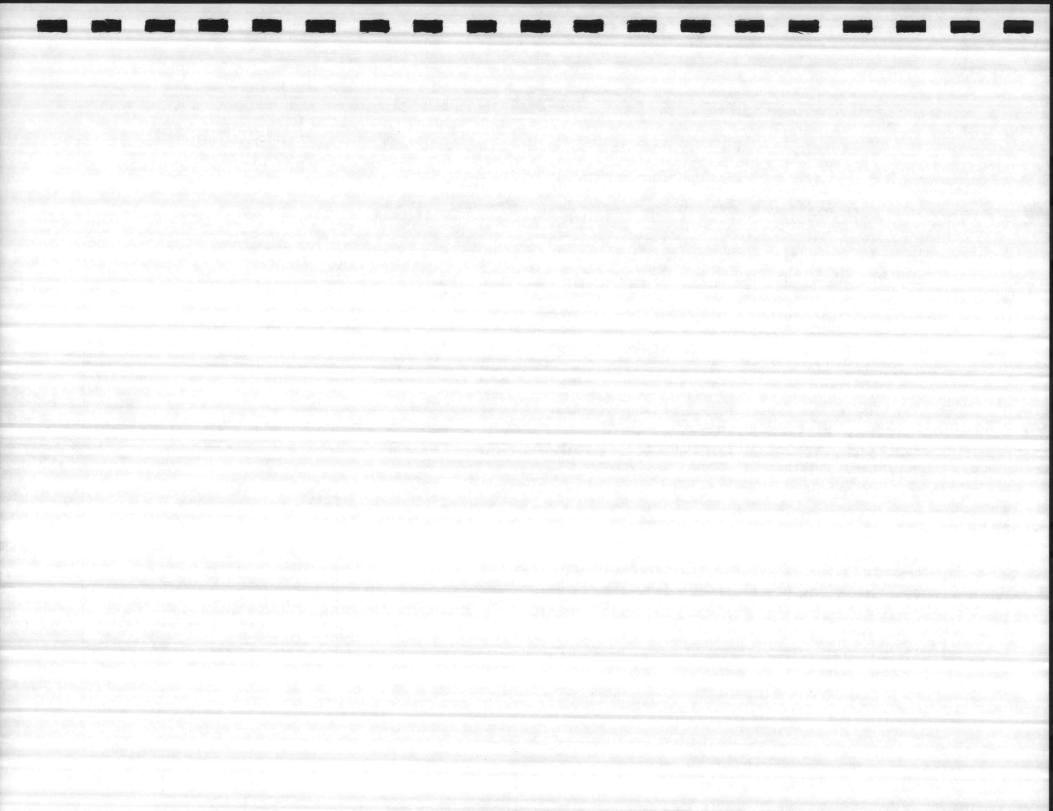
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
estrictions on Range Use			
Environmental	K Woodpecker habitat		
FAANoise			
Gas/Chemical			
Pyrotechnics/Flare			
Time of Day			
Other			
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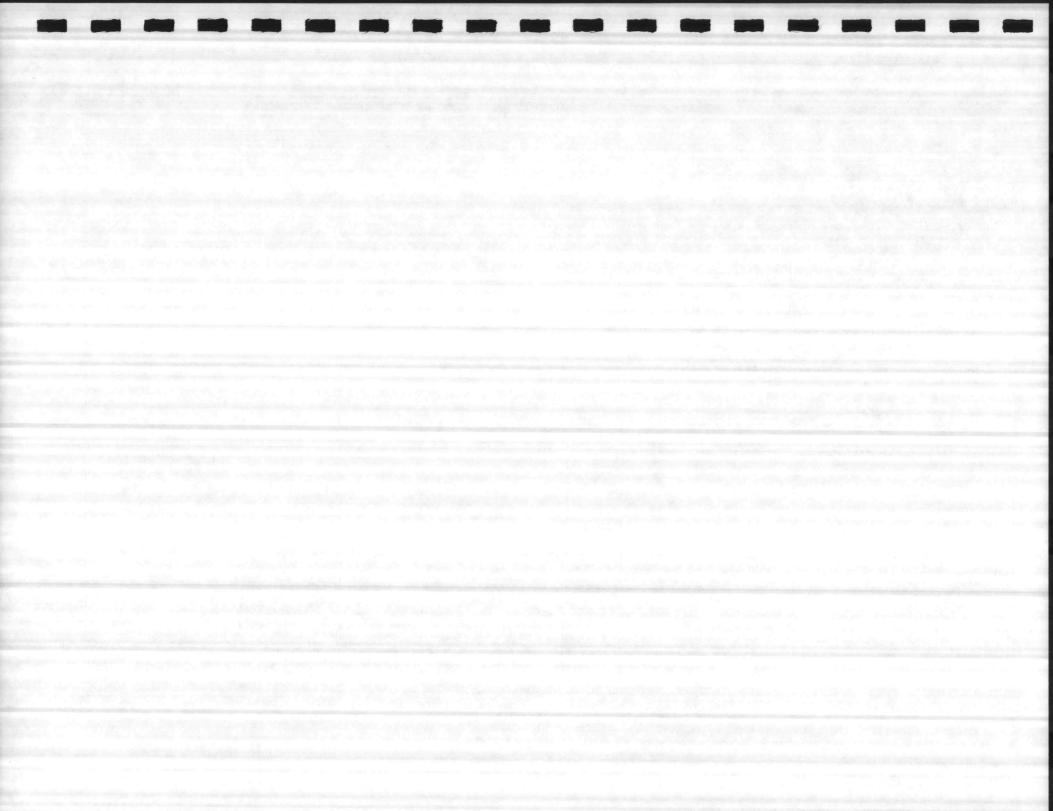
DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY: X Live-Fire Full Caliber Live-Fire Subcaliber
RANGE NAME AND LOCATION: GP-1, MCB, Camp Lejeune, NC Gun Position	Simulator Maneuver Area
INSTRUCTIONS: One form for each range/facility/simulator Fill in data elements as appropriate Use right column for new or improved ranges needed	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) Primary Direction of Fire Associated Air Space Coordinates	75 X 150 yds 3000 MILS/170 degrees 17,999 ft; 399 sq km TP91194107		
Safety Buffer Rear (km)	NA		•
Number of Firing Points/ Stations	6		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area			

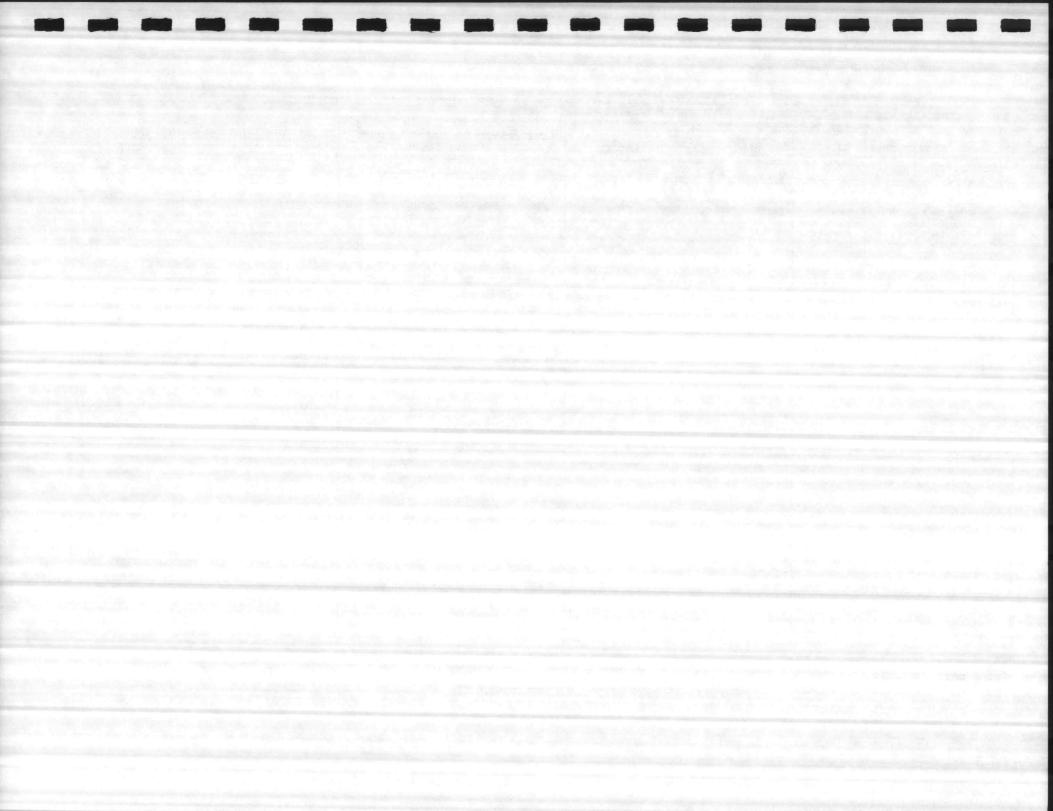
FILE NAME: LP010082
PAGE 1 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



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			
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Target Types Pop-up	NA		
Are There Associated Simulation Devices? Yes, No, NA	NA		

FILE NAME: LP010082 PAGE 2 OF 6 DATE: 03/05/87

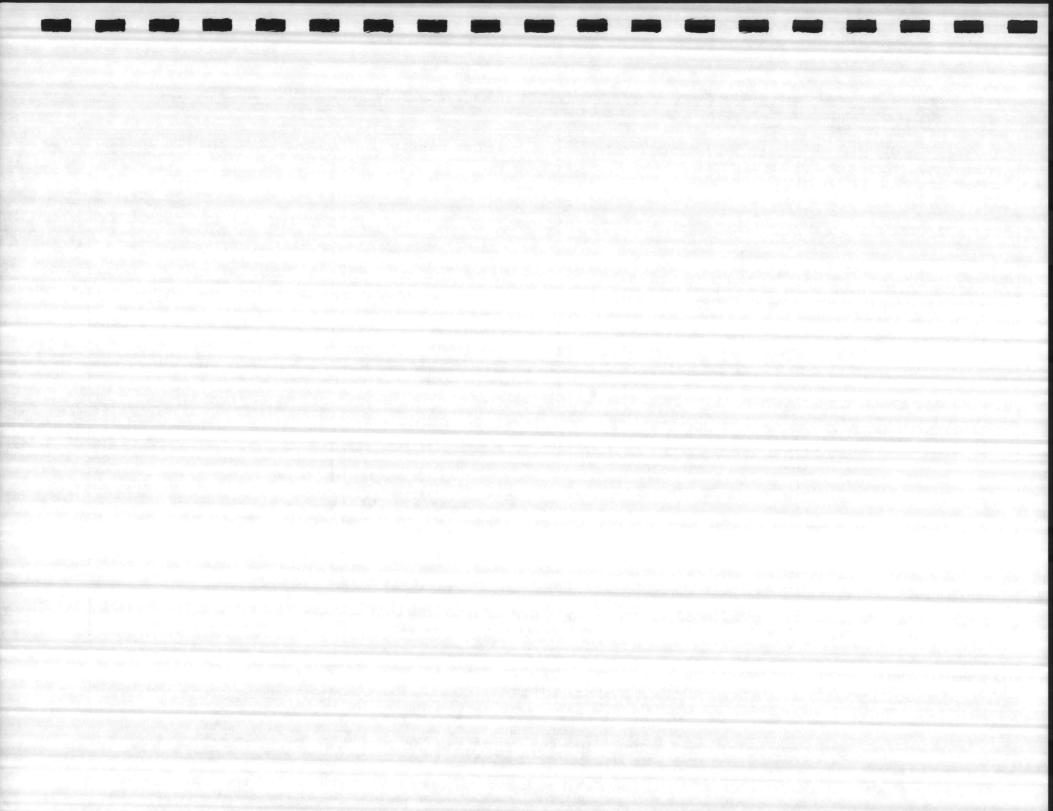
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	105-mm, 155-mm, 8-in		
Climate Seasonal	 x		
Tropic		NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp. Percentage Desert Percentage Beach Percentage Level Percentage Water	5 	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy	95 	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010082

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

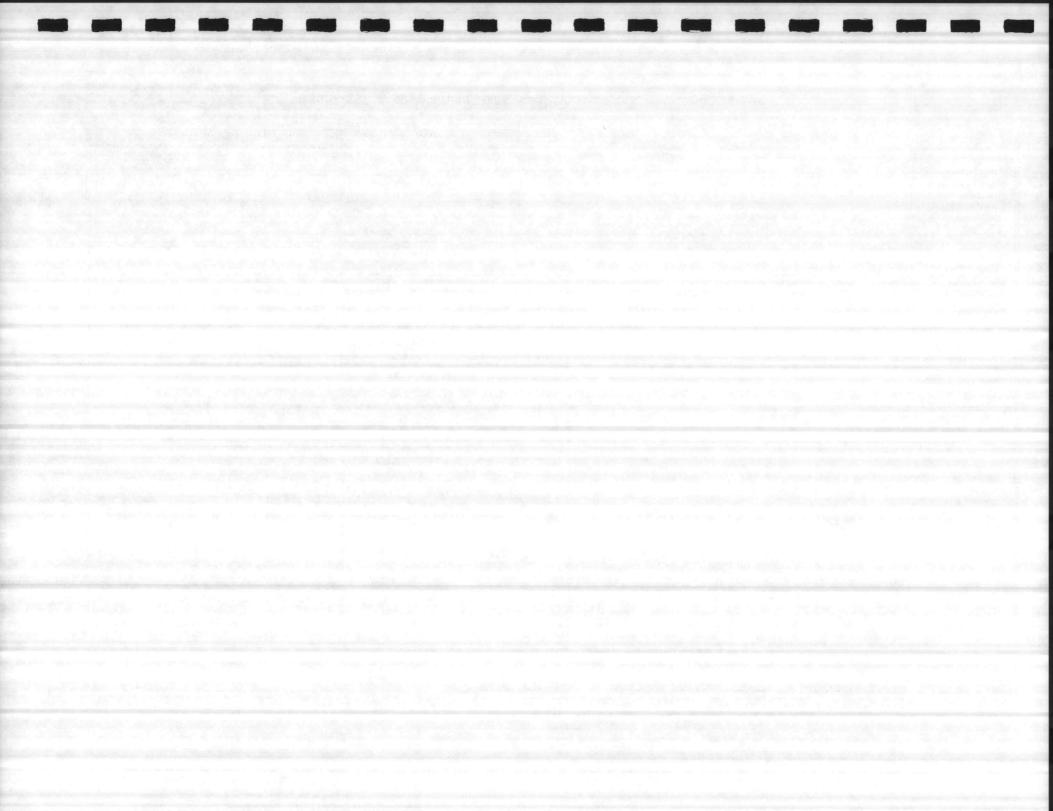


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100	••••••	
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	2		
Distance from Supply Points POL (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	355		
Is Range/Facility Capable of Nighttime Use? Yes, No	Yes		

FILE	NAME:	LP010082

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

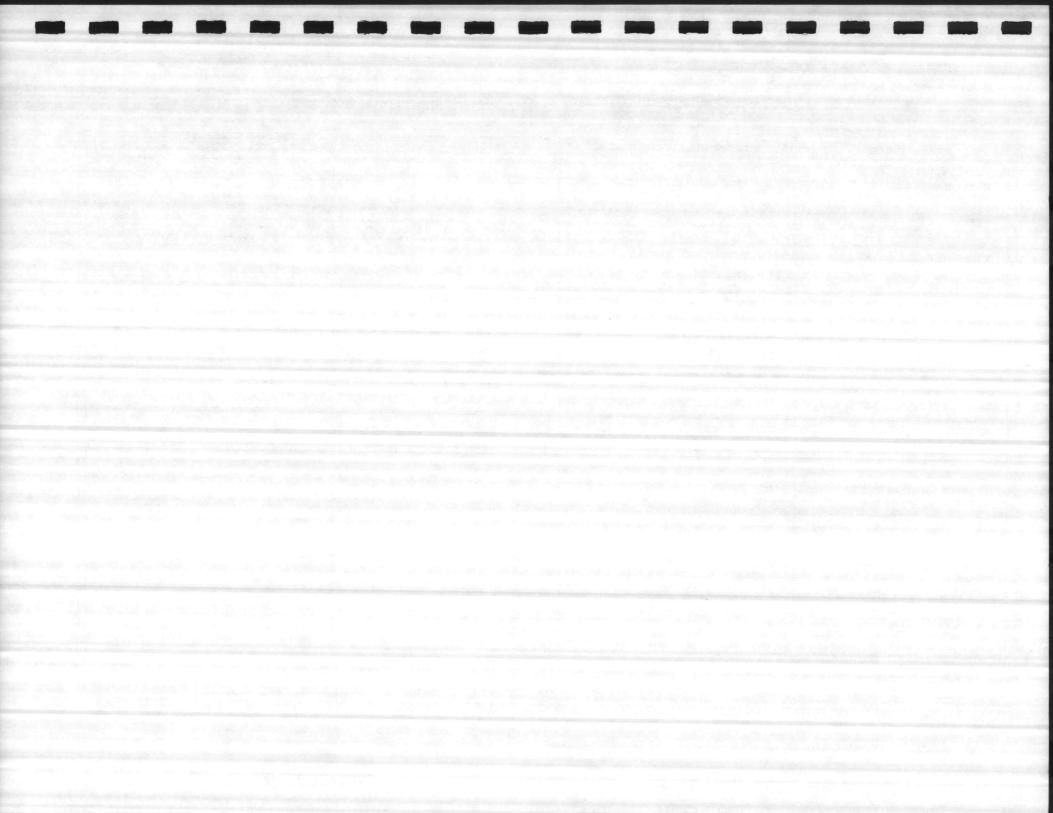


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total	10	0	0
Other Ranges Which Must Be Closed When This Range is in Use	F-2, F-4, F-5		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	NA NA		
Are There Site-unique Requirements Placed on Using Units? Yes, No, Explain	NA		

FILE	NAME:	LP010082

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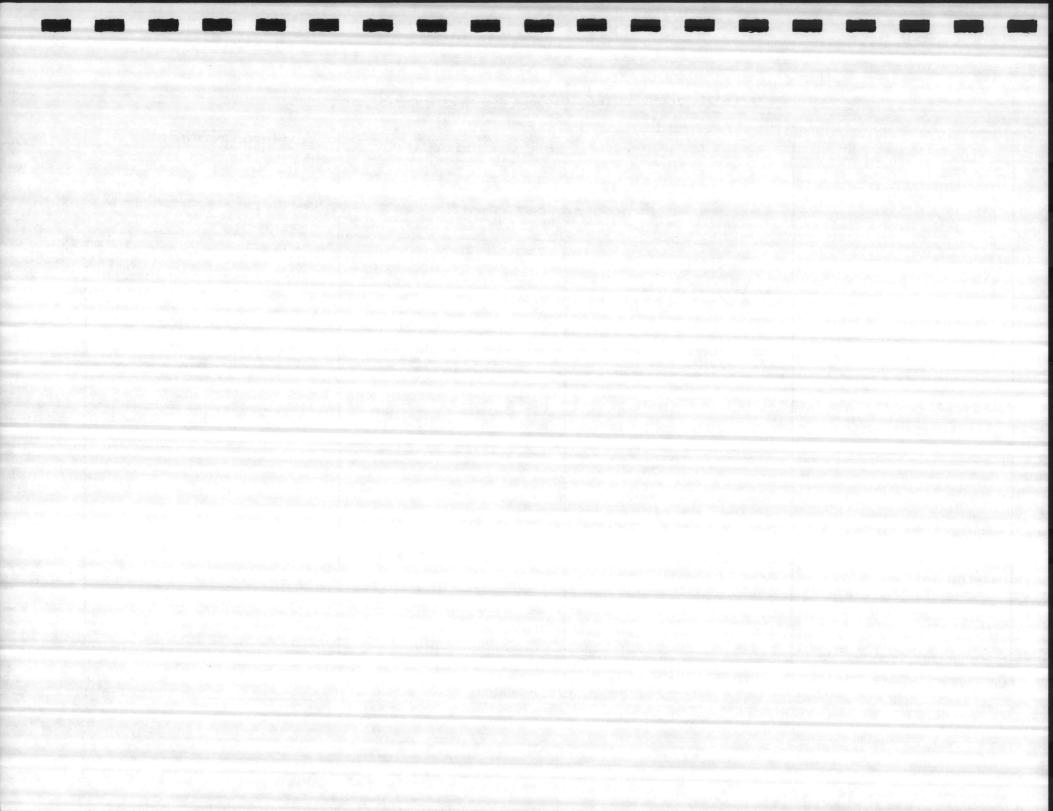
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.___



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Restrictions on Range Use Environmental	X Safety Block off certain roads		

FILE NAME: LP010082
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RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



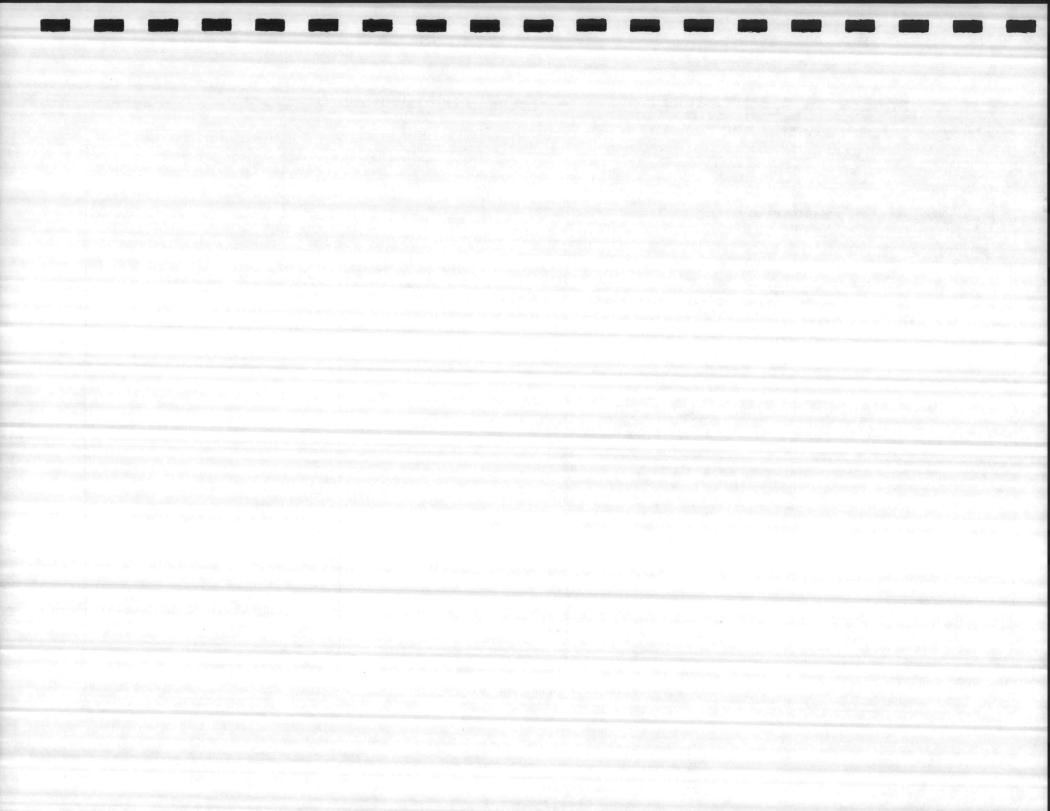
SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY: X Live-Fire Full Caliber Live-Fire Subcaliber
RANGE NAME AND LOCATION: GP-2, MCB, Camp Lejeune, NC Gun Position INSTRUCTIONS:	Simulator Maneuver Area Associated Air Space
One form for each range/facility/simulator Fill in data elements as appropriate Use right column for new or improved ranges needed	Other

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km)	Not presently used 75 X 100 yds		
Primary Direction of Fire	2500 MILS/141 degrees		
Associated Air Space	17,999 ft; 399 sq km		
Coordinates	TP87654139		
Safety Buffer Rear (km) Sides (km) Altitude (ft)	NA The state of th		
Number of Firing Points/ Stations	6		
Range Facilities Control Tower	The state of the s		
Communications System Target Shed			
Utility Building			
Viewing Area			

FILE NAME: LP010083
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DATE: 03/05/87

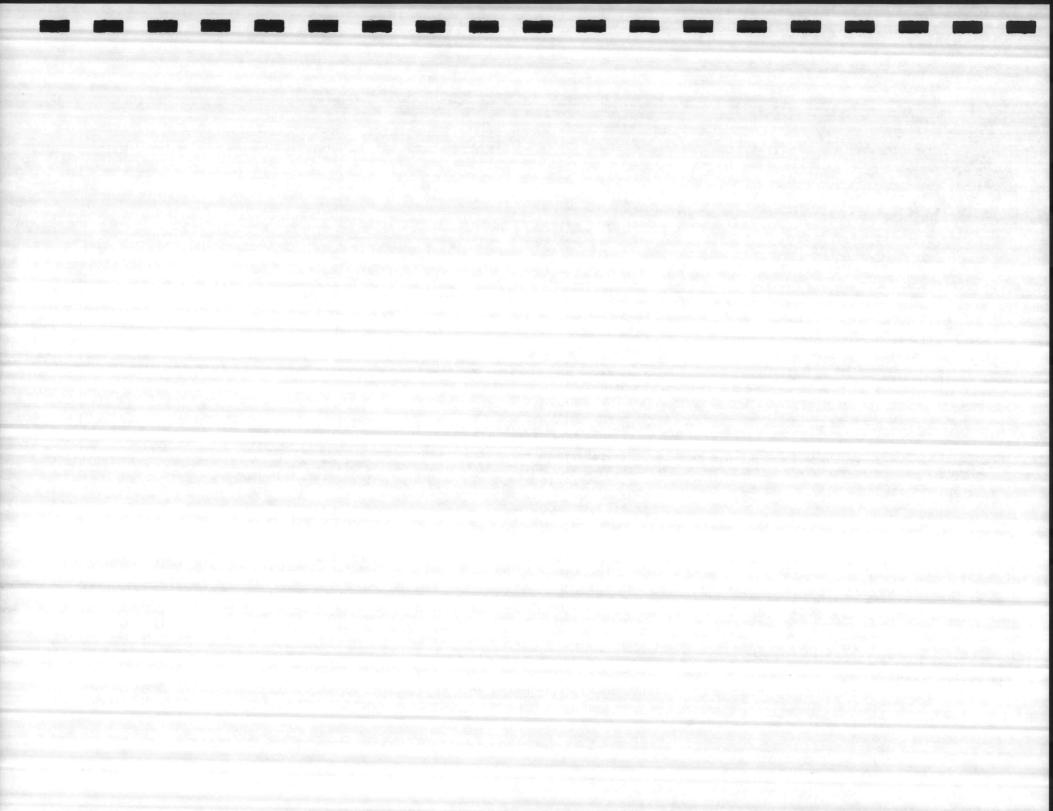
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



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-upStationaryMovingRevolving	NA		
Are There Associated Simulation Devices? Yes, No, NA	NA NA		

FILE NAME: LP010083
PAGE 2 OF 6 DATE: 03/05/87

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

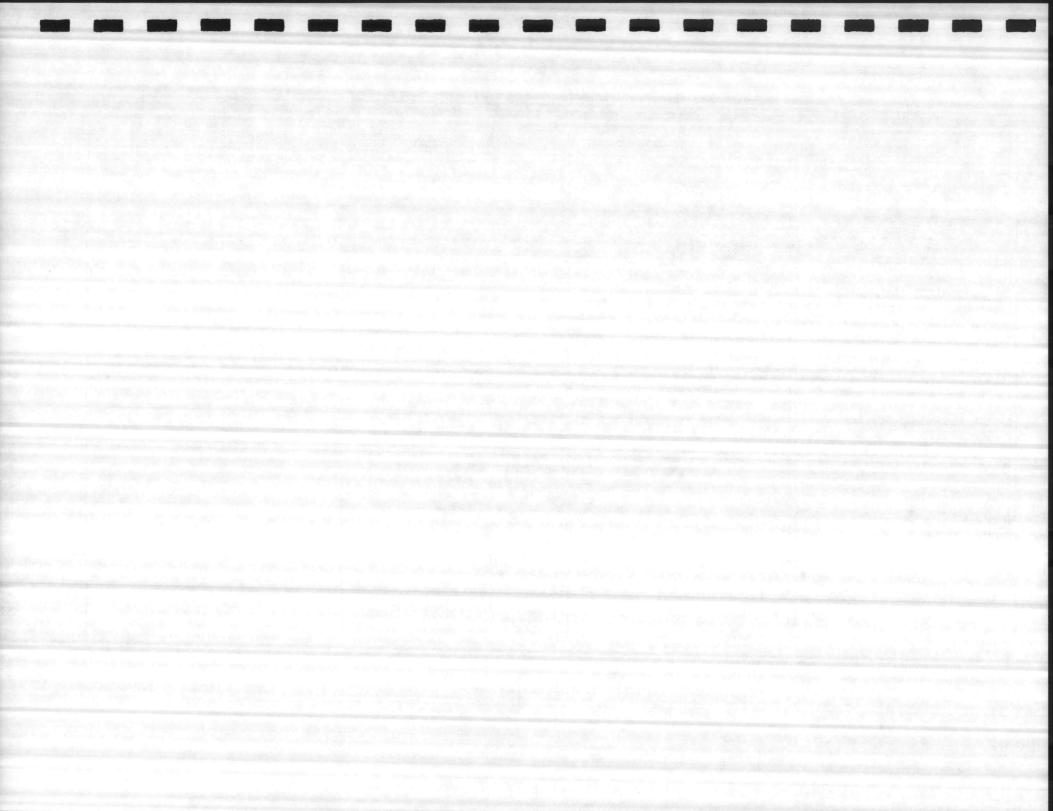


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Weapon Types Used on the Range	105-mm, 155-mm, 8-in		
Climate Seasonal		NOT APPLICABLE	NOT APPLICABLE
Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	95 5 	NOT APPLICABLE	NOT APPLICABLE
Percentage Rock	95 	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010083

PAGE 3 OF 6 DATE: 03/05/87

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

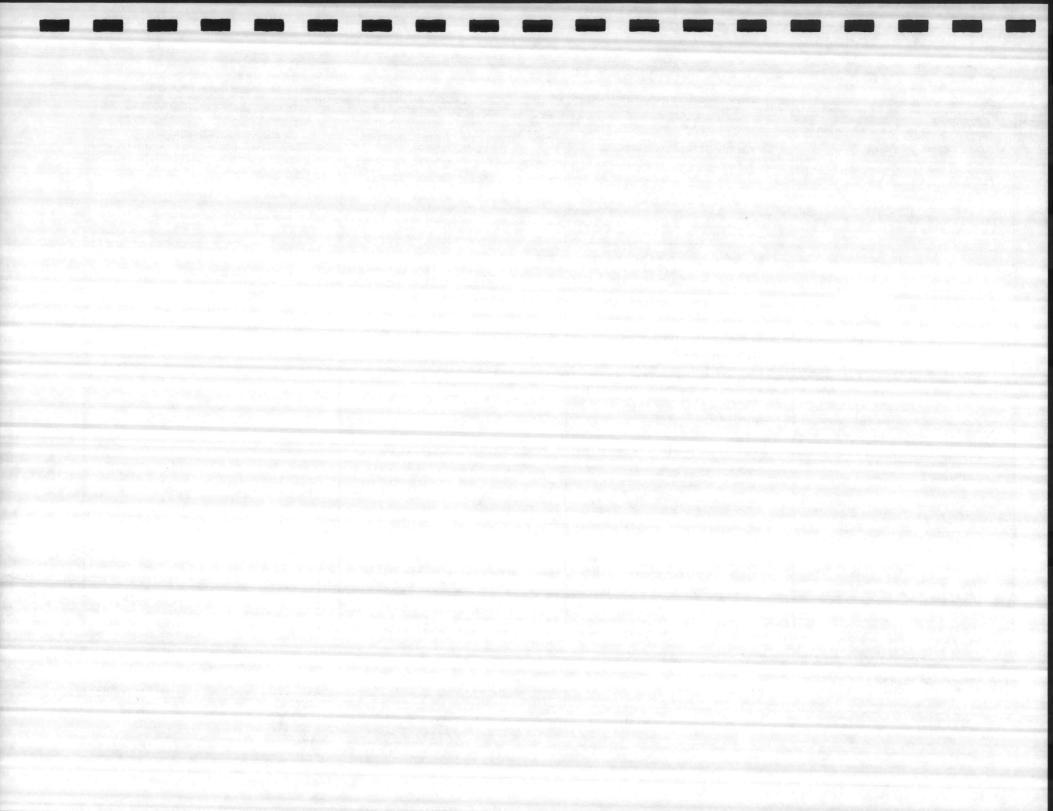


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100	•	
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	2		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	3 7 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	Undefined		
Number of Days per Year the Range/Facility is Available	355		
Is Range/Facility Capable of Nighttime Use? Yes, No	Yes		

FI	LE	NAME	:	LP	01	00	83

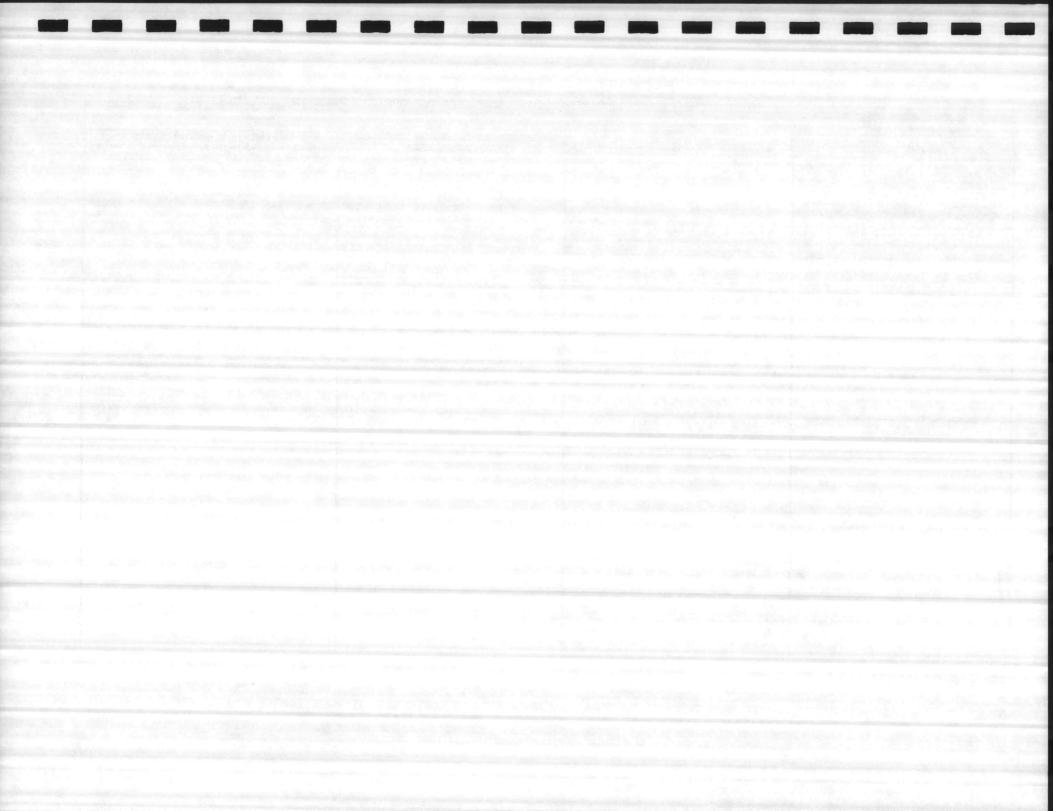
PAGE 4 OF 6 DATE: 03/05/87

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	0	
Other Ranges Which Must Be Closed When This Range is in Use	TLZ Penguin, F-12		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	NA		
Are There Site-unique Requirements Placed on Using Units? Yes, No, Explain	NA		

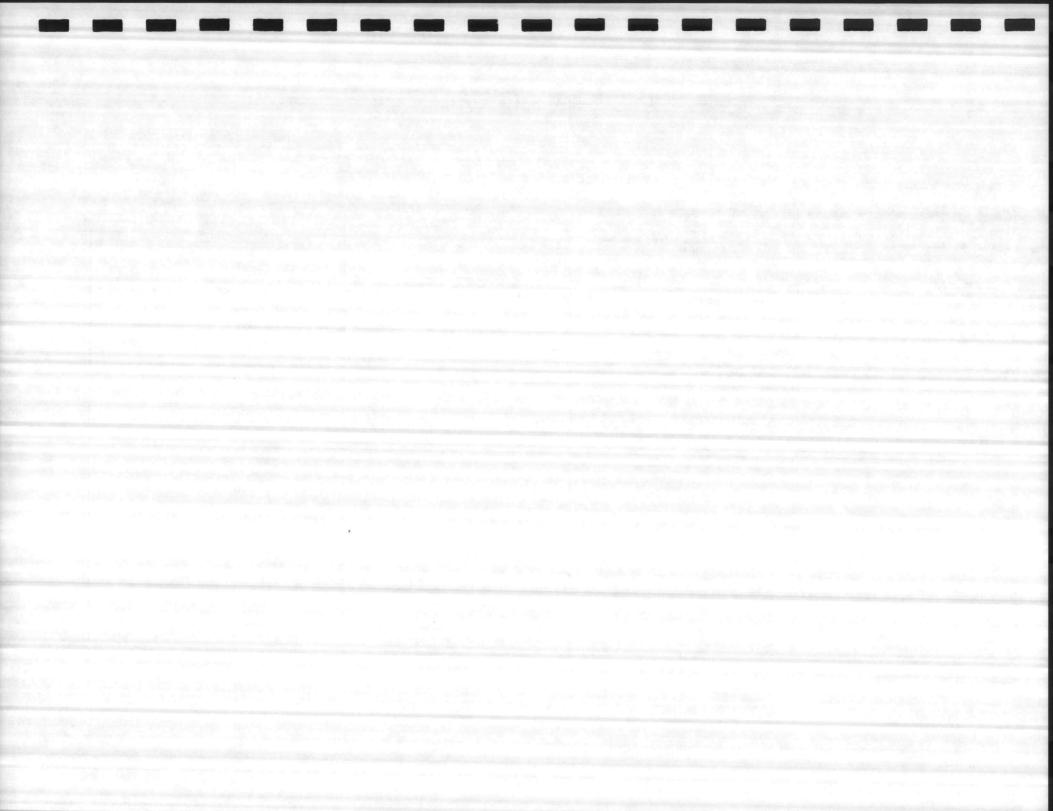
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PAGE	5	OF	6	DATE:	03/05/



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Restrictions on Range Use Environmental	NA		
AICUZ			
FAA			
Gas/Chemical			and the second s
Time of Day			
Time of Year			
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FILE NAME: LP010083
PAGE 6 OF 6 DATE: 03/05/87

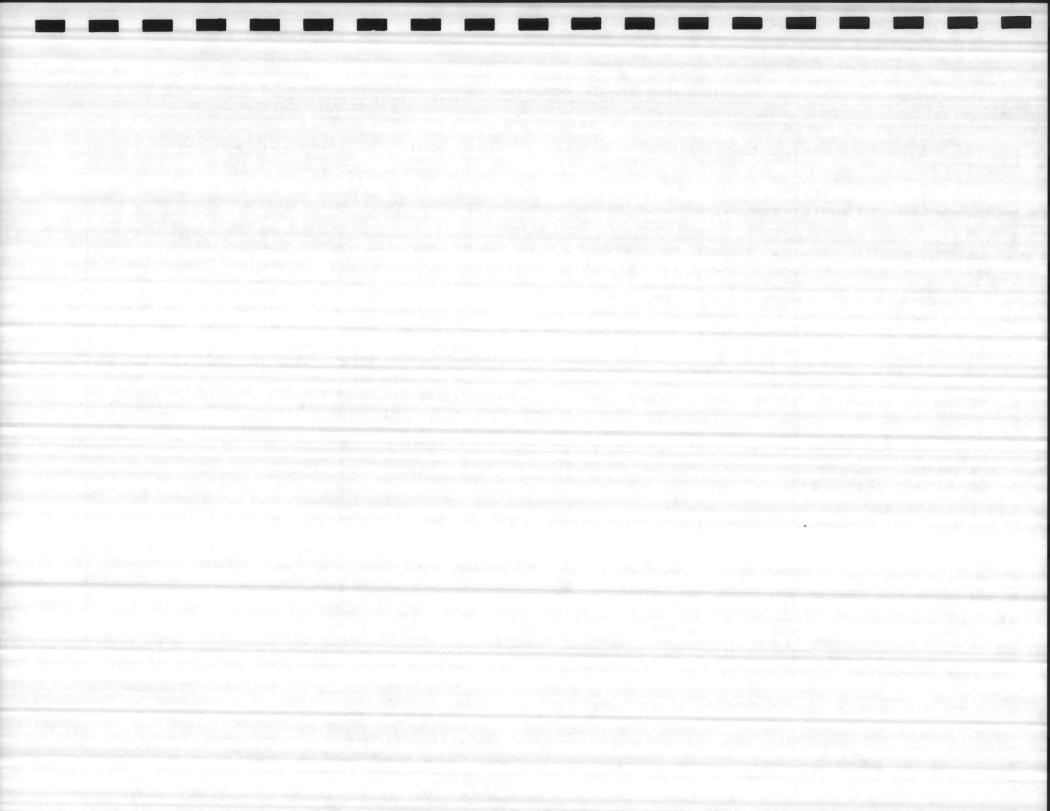
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY:
	X Live-Fire Full Caliber Live-Fire Subcaliber
RANGE NAME AND LOCATION: GP-3, MCB, Camp Lejeune, NC	Simulator
Gun Position	Maneuver Area
INSTRUCTIONS:	Associated Air Space
One form for each range/facility/simulator	Other
Fill in data elements as appropriate	
Use right column for new or improved ranges needed	

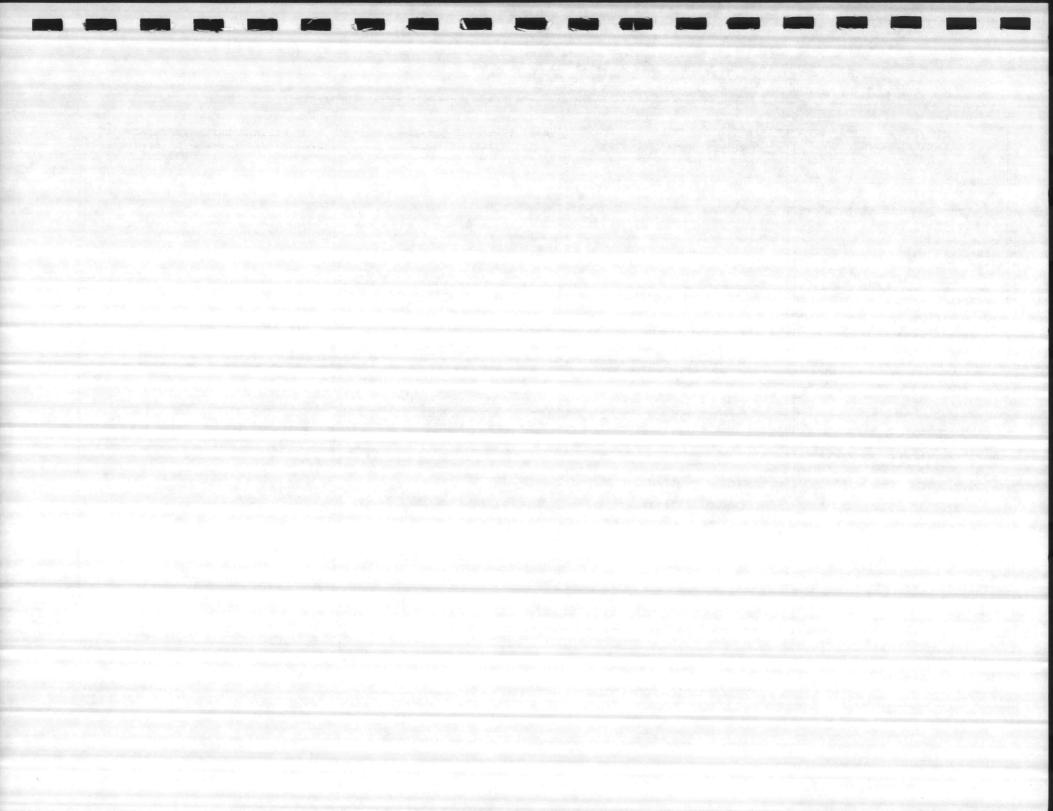
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km)	80 X 100 yds		
Primary Direction of Fire	3200 MILS/180 degrees		
Associated Air Space	17,999 ft; 399 sq km		
Coordinates	TP92234157		
Safety Buffer Rear (km)	NA NA		
Number of Firing Points/ Stations	6		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area			

FILE NAME: LP010084
PAGE 1 OF 6 DATE:



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	NA		
Target Types Pop-up Stationary Moving Revolving	NA		
Are There Associated Simulation Devices? Yes, No, NA	NA		
Yes, No, NA			

FILE NAME: LP010084
PAGE 2 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._



DATA ELEMENT	PRESENT CHAI	RACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)		CHARACTERISTICS NEEDED IF APPLICABLE)
Weapon Types Used on the	105-mm, 155-mm,	8-in			
Range					
Percentage Sparsa					
The state of the s	3.00	***********	*********		
Percentage Heavy					
Climate					
Seasonal	x	*****			
Tropic				1	
Temperate				I was to take	
Arctic			NOT APPLICABLE	I NO	T APPLICABLE
Desert		**********			
Other			The state of the s	Burn or property for high	
Note that the second of the se					
POL (Rm)					
Terrain Type	1.2			In the second second	
Percentage Mountainous					
Percentage Rolling	1100		and yet and the course of the present of the course of the		
Percentage Swamp					T ARRITANNI R
Percentage Desert			NOT APPLICABLE	NO.	r APPLICABLE
Percentage Beach			[[61] [전투도 라고 [1] [1] [1] [1] [1] [1] [1] [1] [1] [1]		
Percentage Level	1				
Percentage Water	Undefined		20.000000000000000000000000000000000000	1	

Soil Type			[12] [14] [15] [16] [16] [16] [16] [16] [16] [16] [16		
Percentage Rock					
Percentage Sand			NOT APPLICABLE	NO'	r APPLICABLE
Percentage Clay			NOT AFFIICABLE	1	
Percentage Swamp/Marsh				10 - 0	
Percentage Loamy				in a second second	
Percentage Other			and the state of t		
Is Range/Pacility Capable of	工业方				

FILE NAME: LP010084
PAGE 3 OF 6 DATE:

DATE: 03/05/87

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

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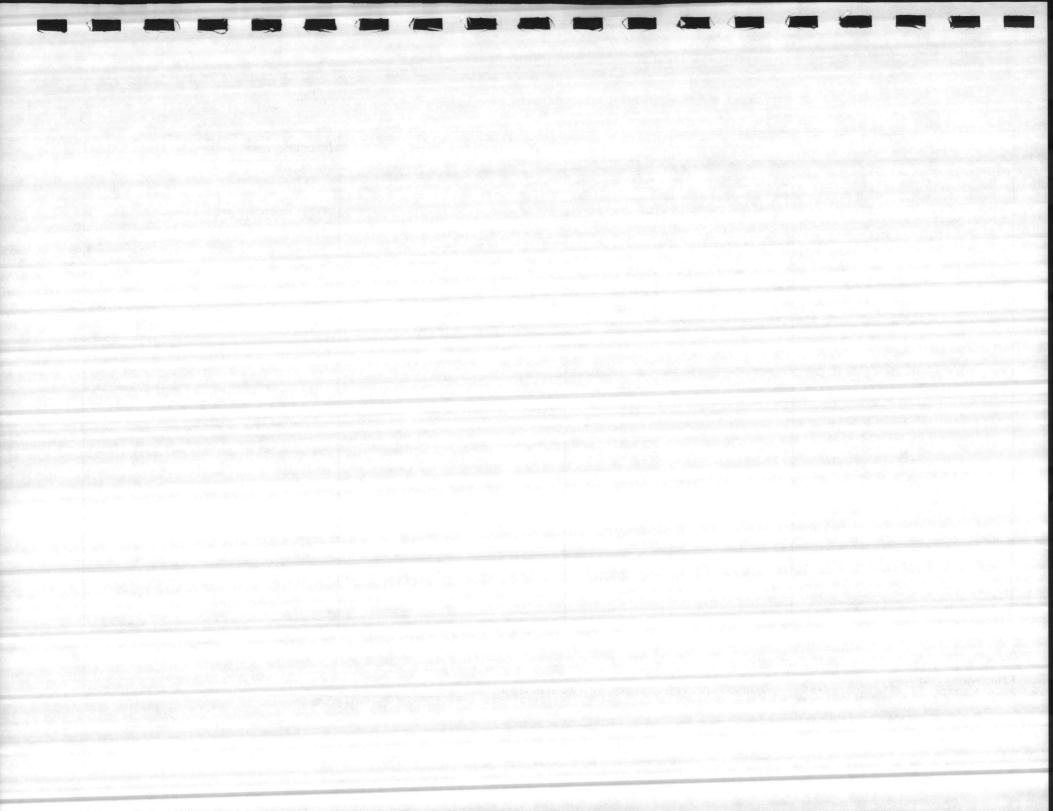
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	NA NA NA		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	16		
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	Yes		

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FILE	NAME:	LP010084

PAGE 4 OF 6 DATE: 03/05/87

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



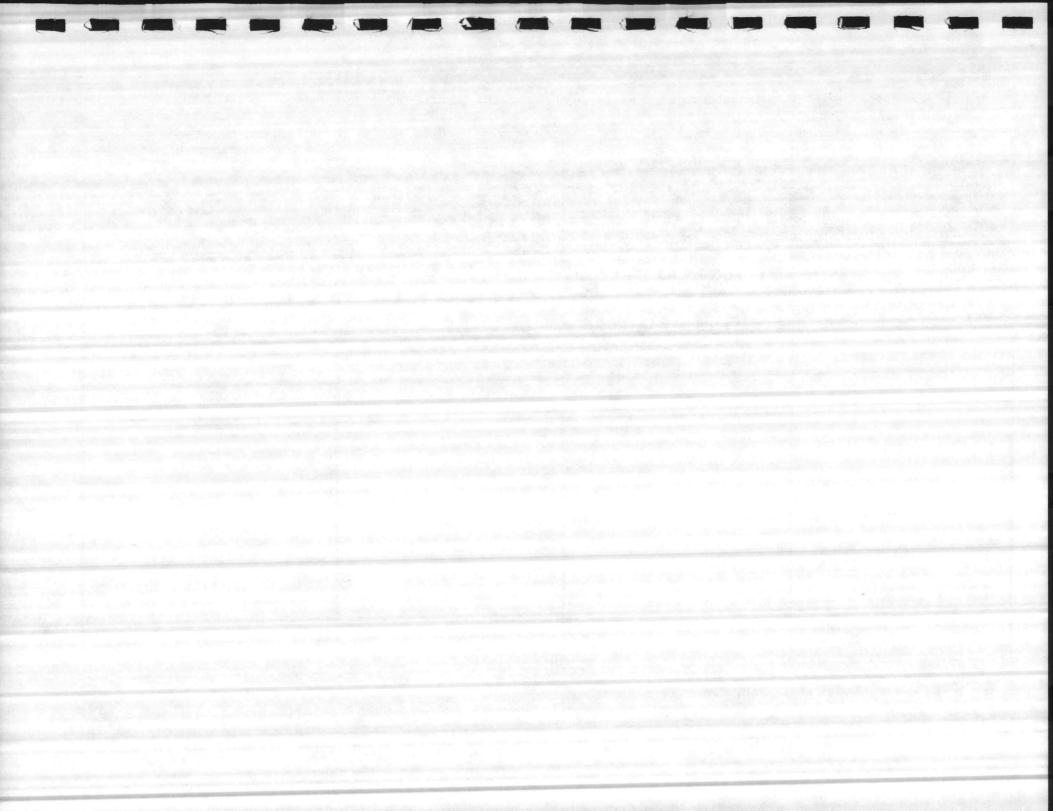
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	10	0	0
Other Ranges Which Must Be Closed When This Range is in Use	F-4		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	NA		
Are There Site-unique Requirements Placed on Using Units? Yes, No, Explain	NA		

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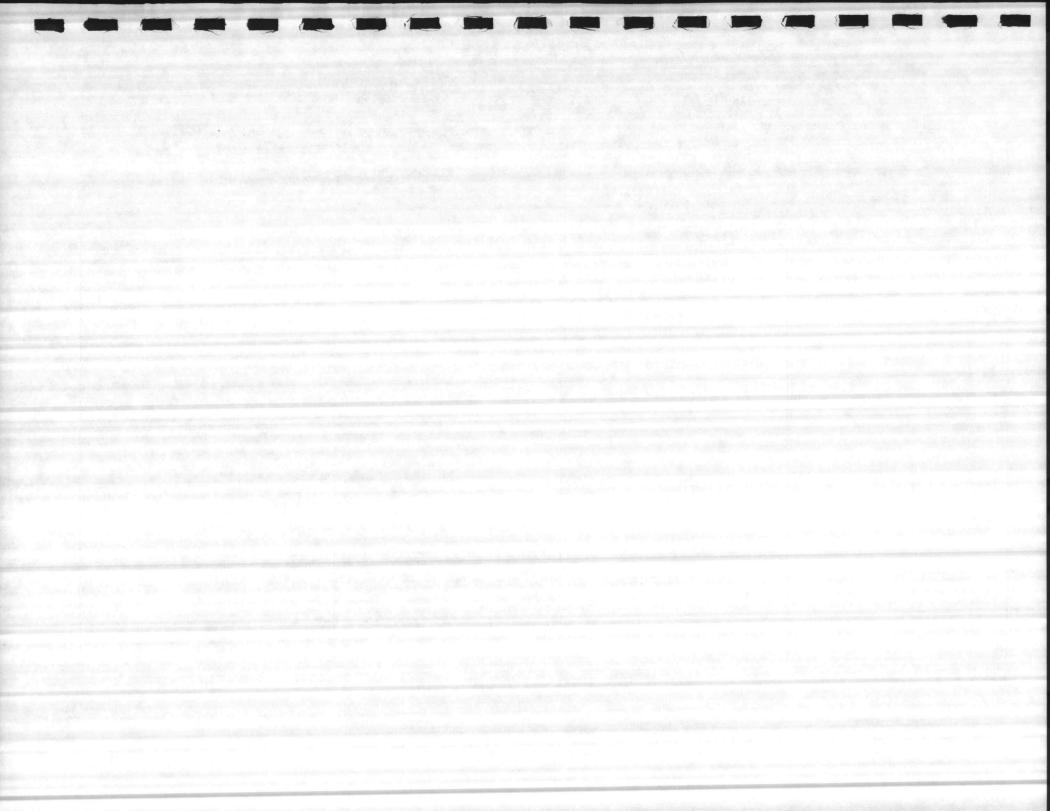
PAGE 5 OF 6 DATE: 03/05/87

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	NA		
Environmental			
FAA	the public office that are a second		
NoiseGas/Chemical			The state of the s
Pyrotechnics/Flare Time of Day			
Time of Year			
Other		매일하고 있다는 다른 경이는 다고 있었다.	
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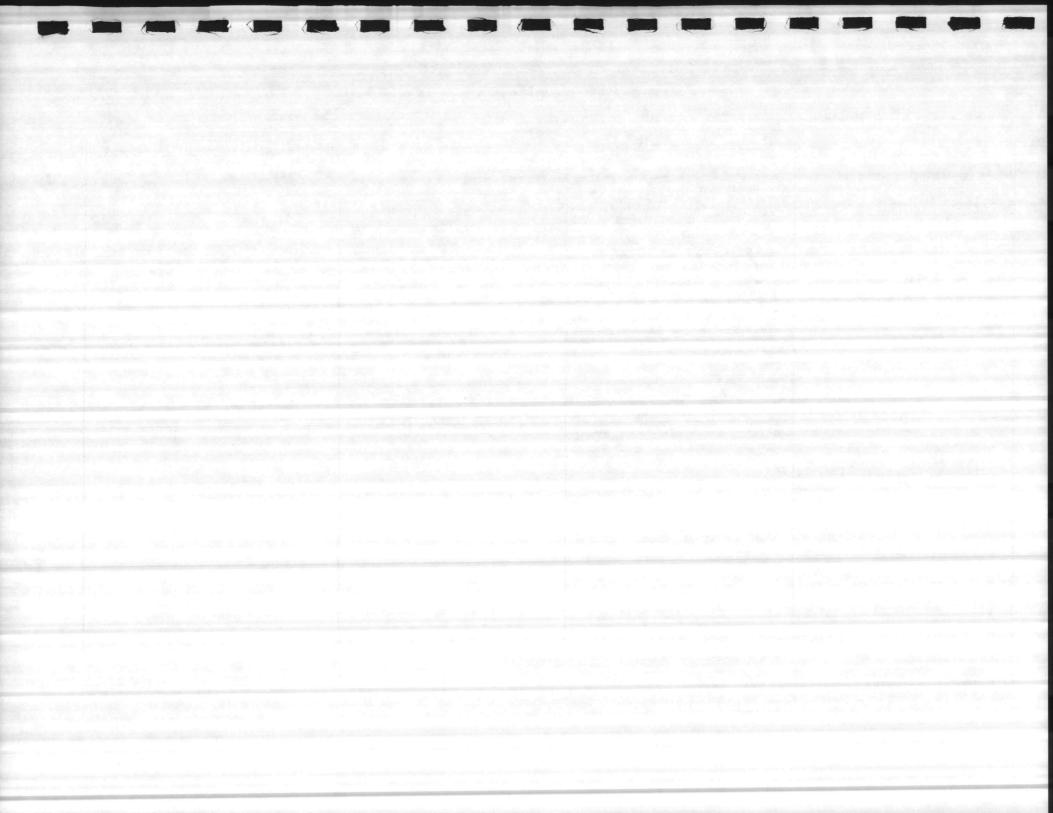


SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY: X Live-Fire Full Caliber Live-Fire Subcaliber
RANGE NAME AND LOCATION: GP-4, MCB, Camp Lejeune, NC Gun Position INSTRUCTIONS:	Simulator Maneuver Area Associated Air Space
One form for each range/facility/simulator Fill in data elements as appropriate Use right column for new or improved ranges needed	Other

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km) Primary Direction of Fire	200 X 370 yds 3280 MILS/185 degrees		
Associated Air Space	17,999 ft; 399 sq km		
Coordinates	TP92704066		
Safety Buffer Rear (km)	NA		
Number of Firing Points/ Stations	6.		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station. Parking Area Viewing Area			

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PAGE 1 OF 6 DATE: 03/05/87

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

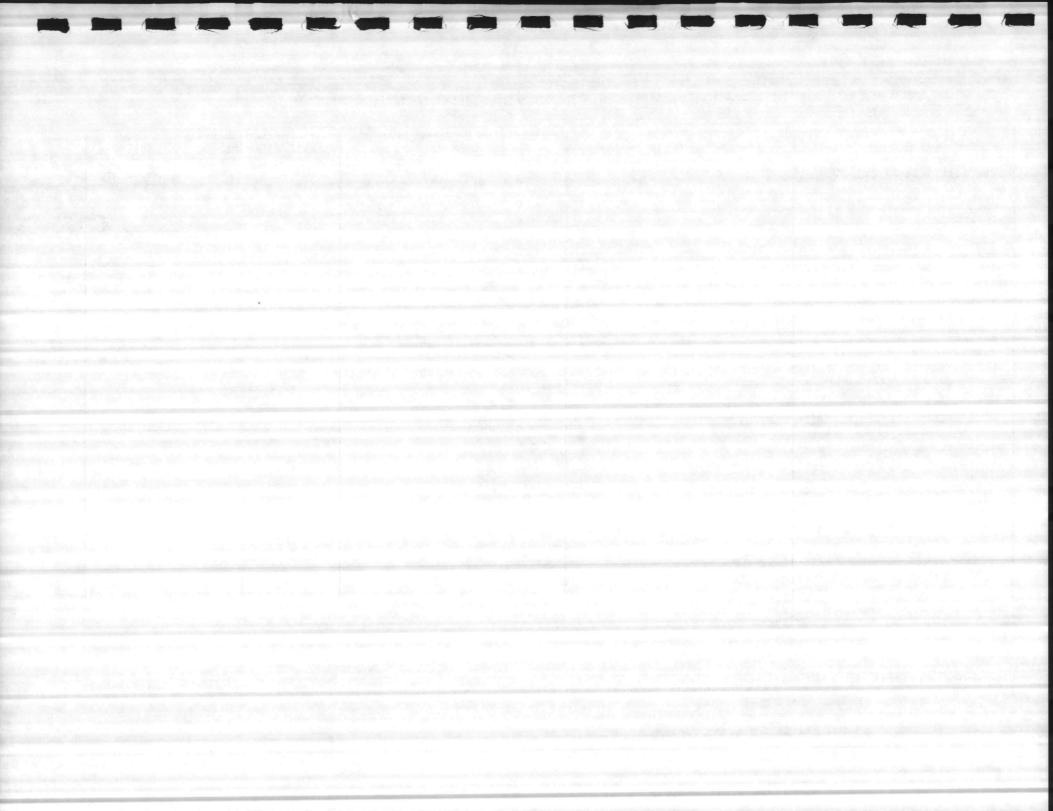


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site Other			
Telemetry Instrumentation 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		

FILE	NAME:	LP010085

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	105-mm, 155-mm,	8-in		
Range				
Percentage Sparse	portion de l'acceptant de la company			
	95			
Percentage Heavy			131111111111111111111111111111111111111	
Climate				
Climate Seasonal	v		**********	
	X		X 2 2 3 4 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	
Tropic				
Temperate			NOT APPLICABLE	NOT APPLICABLE
Desert			NOT APPLICABLE	NOT APPLICABLE
All-Weather (Indoor)				
Other				
NOL 12001	13			
Terrain Type	13			
Percentage Mountainous				
Percentage Rolling	60		affirm an examinar on an electronic approximation to the provincial figure (even explanate special	
Percentage Swamp				
Percentage Desert			NOT APPLICABLE	NOT APPLICABLE
Percentage Beach				
Percentage Level				[[전]] 이번 마음에 되었는데 보았다면 모르고 있다.
Percentage Water	Under Land		************	
Soil Type				
Percentage Rock				The state of the s
Percentage Sand	100			
Percentage Clay			NOT APPLICABLE	NOT APPLICABLE
Percentage Swamp/Marsh				[1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
Percentage Loamy				
Percentage Other				Professional and additional for the first the first term of the control of the co
Yes, No				

FILE NAME: LP010085 PAGE 3 OF 6 DATE: DATE: 03/05/87

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

		Are rhere pine-dingue Foliuro (Walvers to Range Standards, Safety, etc.)? Yes, No, Explain
	ASS	Arg York Sive-unions :
A A CONTRACTOR OF THE STATE OF		

PAGE 5 OF 6 DATE: 0

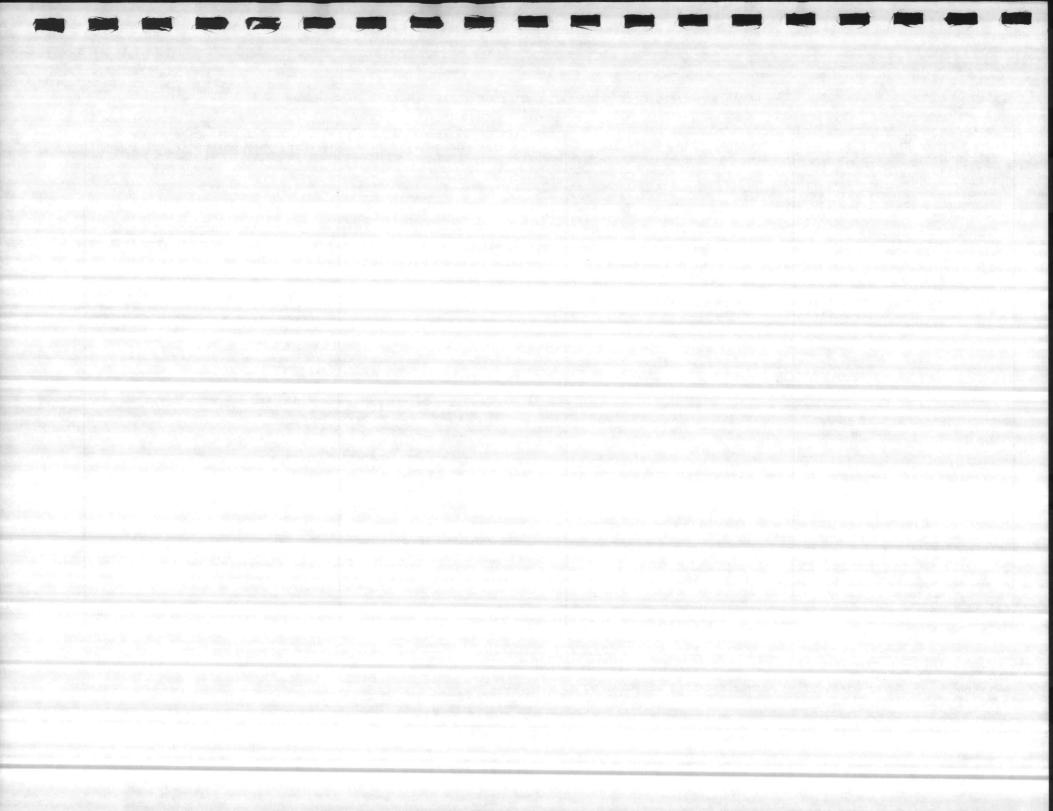
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ANGE/PACIFITY MANAGER: D. J. Harhagen, SI.

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	2		
Distance from Supply Points POL (km)	17		
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	Yes		

FILE NAME: LP010085
PAGE 4 OF 6 DATE: 03/05/87

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

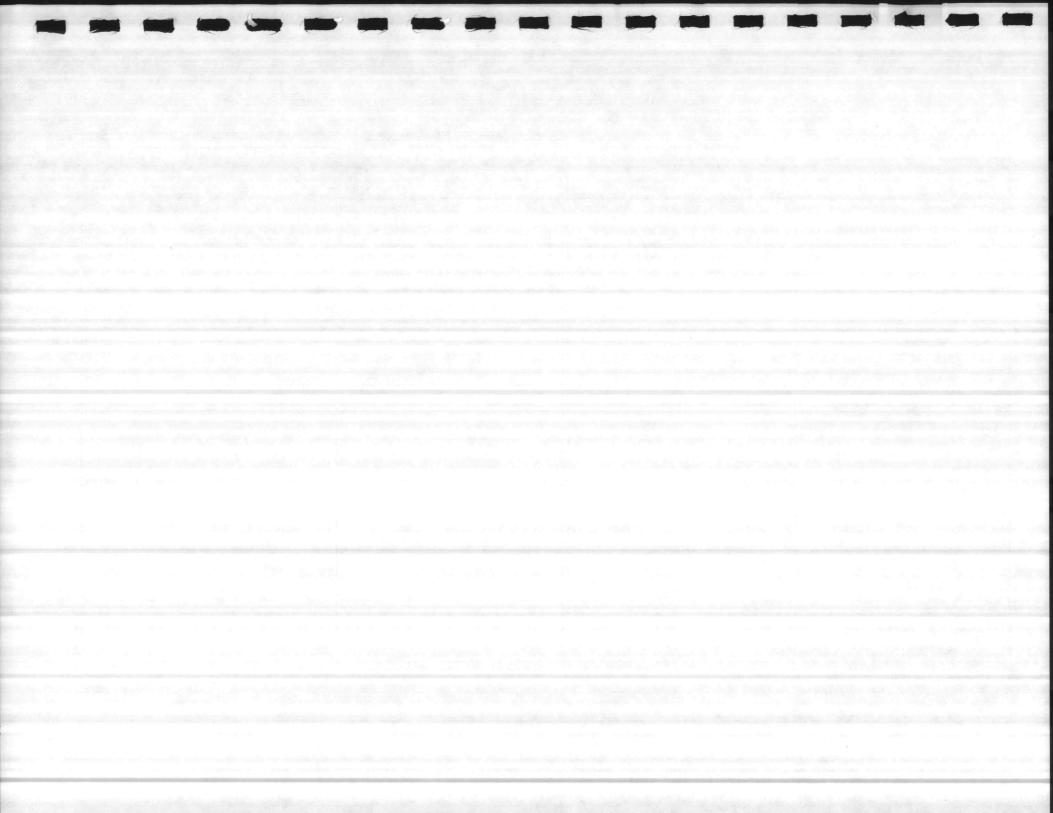


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	10	0	0
Other Ranges Which Must Be Closed When This Range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

FILE NAME: LP010085

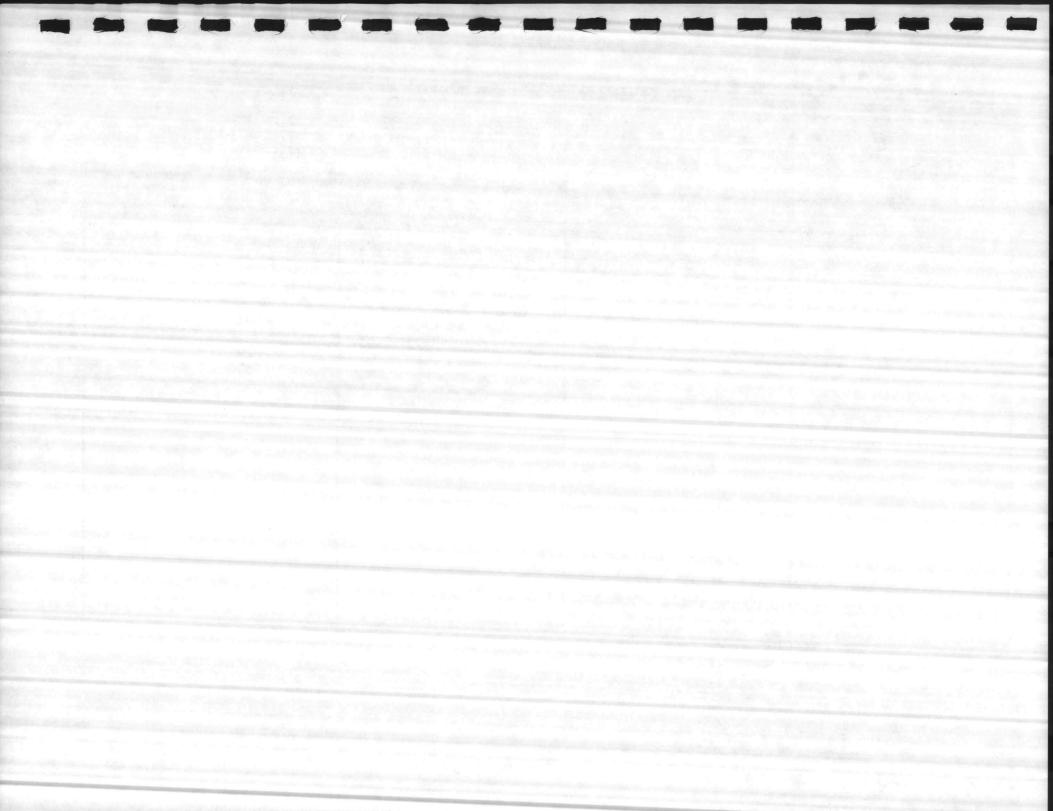
PAGE 5 OF 6 DATE: 03/05/87

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	X Bordering woodpecker habitat		

FILE NAME: LP010085
PAGE 6 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._

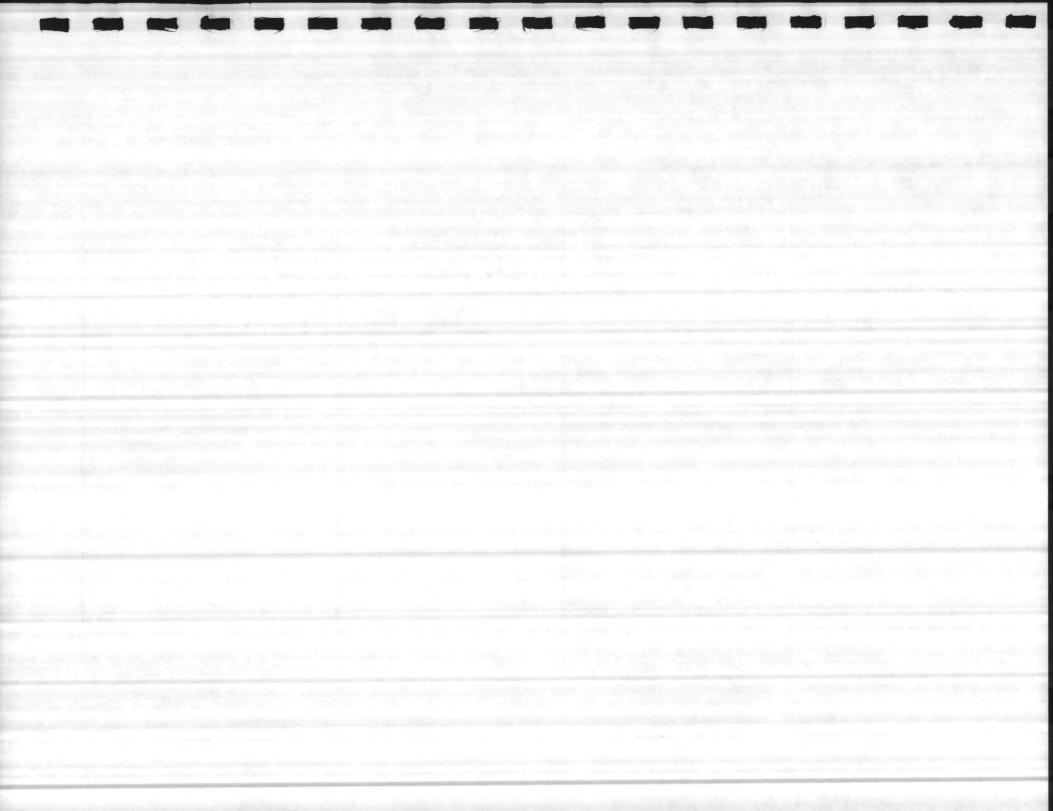


SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY: X Live-Fire Full Caliber Live-Fire Subcaliber
RANGE NAME AND LOCATION: GP-6, MCB, Camp Lejeune, NC Gun Position INSTRUCTIONS: One form for each range/facility/simulator Fill in data elements as appropriate Use right column for new or improved ranges needed	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 X 240 yds		
Primary Direction of Fire	2600 MILS/146 degrees		
Associated Air Space	17,999 ft; 399 sq km		
Coordinates	TP90053760		
Safety Buffer Rear (km)	NA NA		
Number of Firing Points/ Stations	6		
Range Facilities			
Control Tower Communications System Target Shed Utility Building Aid Station Parking Area			
Viewing Area			

FILE NAME: LP010086
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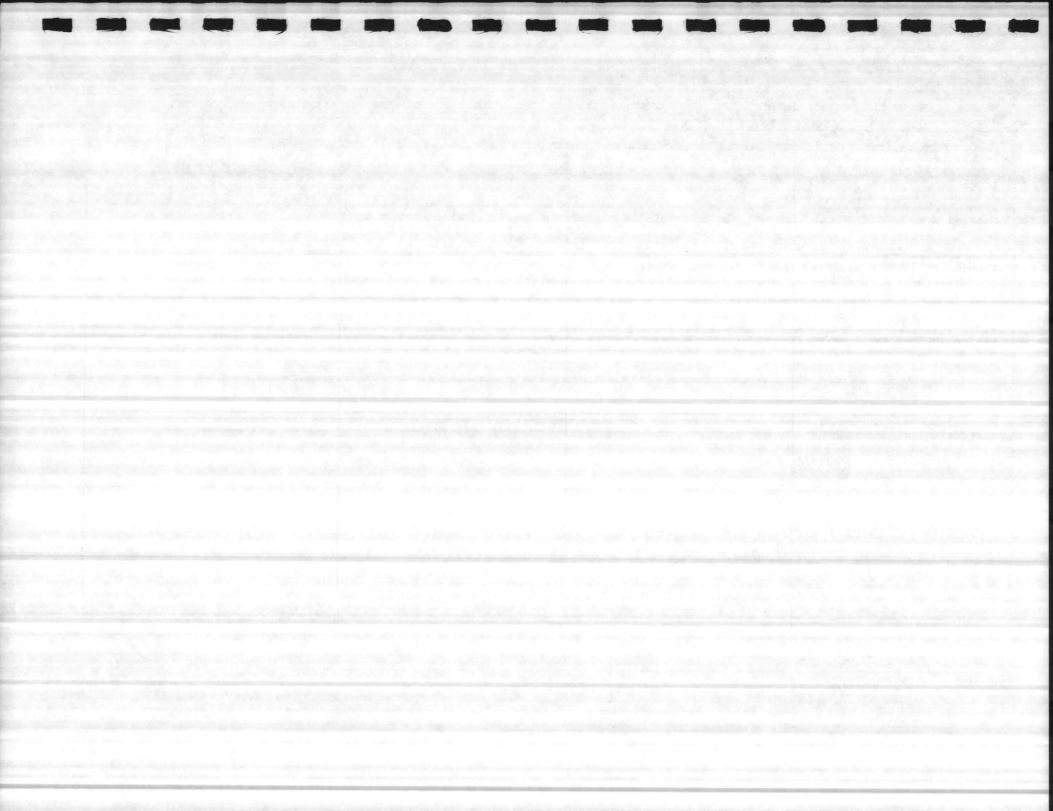
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



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 NA		
Target Types Pop-up Stationary Moving Revolving	NA		
Are There Associated Simulation Devices? Yes, No, NA	NA		
Yes, No, NA			

FILE NAME: LP010086 PAGE 2 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)
Weapon Types Used on the Range	105-mm, 60-mm, 81-mm		
Percentage Sparse Percentage Noderate Percentage Resvy	.00	*********	
Climate Seasonal Tropic. Temperate. Arctic. Desert. All-Weather (Indoor)	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
s Range/Facility Capable of Nightline Une: Yes, No	ten		I

FILE NAME: LP010086
PAGE 3 OF 6 DATE: DATE: 03/05/87

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

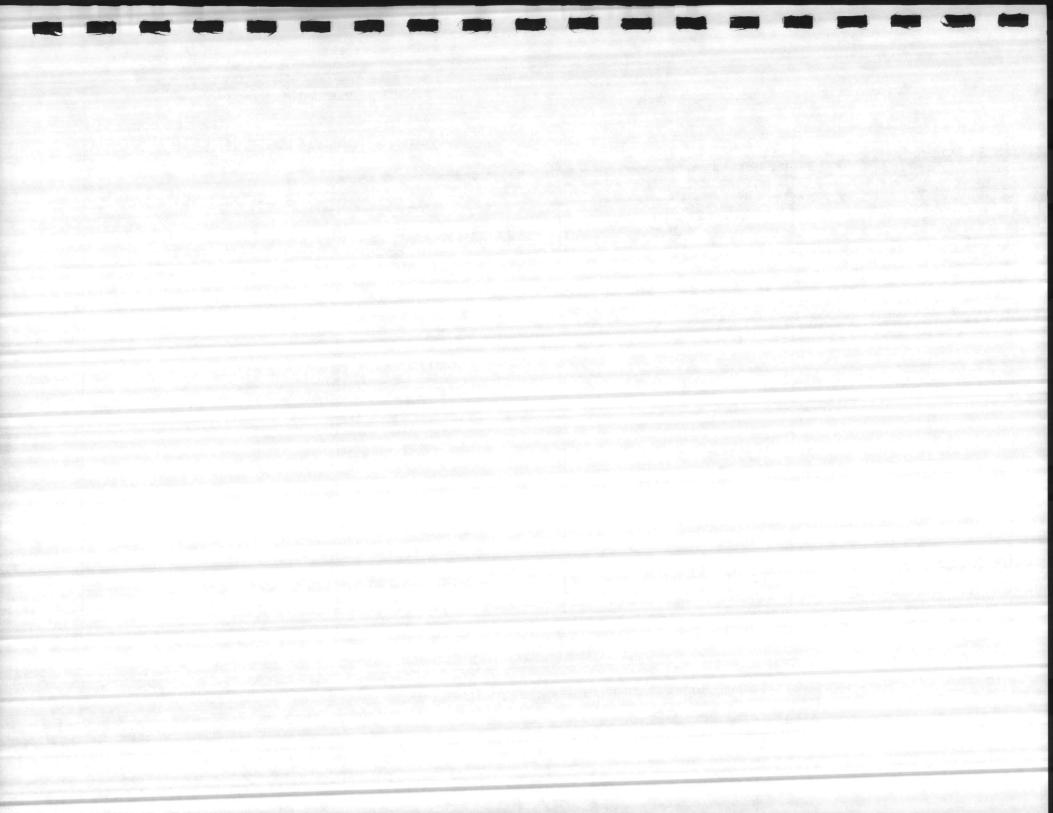
		Other
0-4-57577	lachagam, Sr.	The state of the s

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, 60-mm, 81-mm		
Climate Seasonal		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:	LP010086

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)	5 6 	•••••••	
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	Yes		

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

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	No. 1 10 10 10 10 10 10 10 10 10 10 10 10 1	Fectures (standard for Sauge Standards Safety Stories (Februards Safety Stories Yes, No. Explain
		quirements Pinced on Using

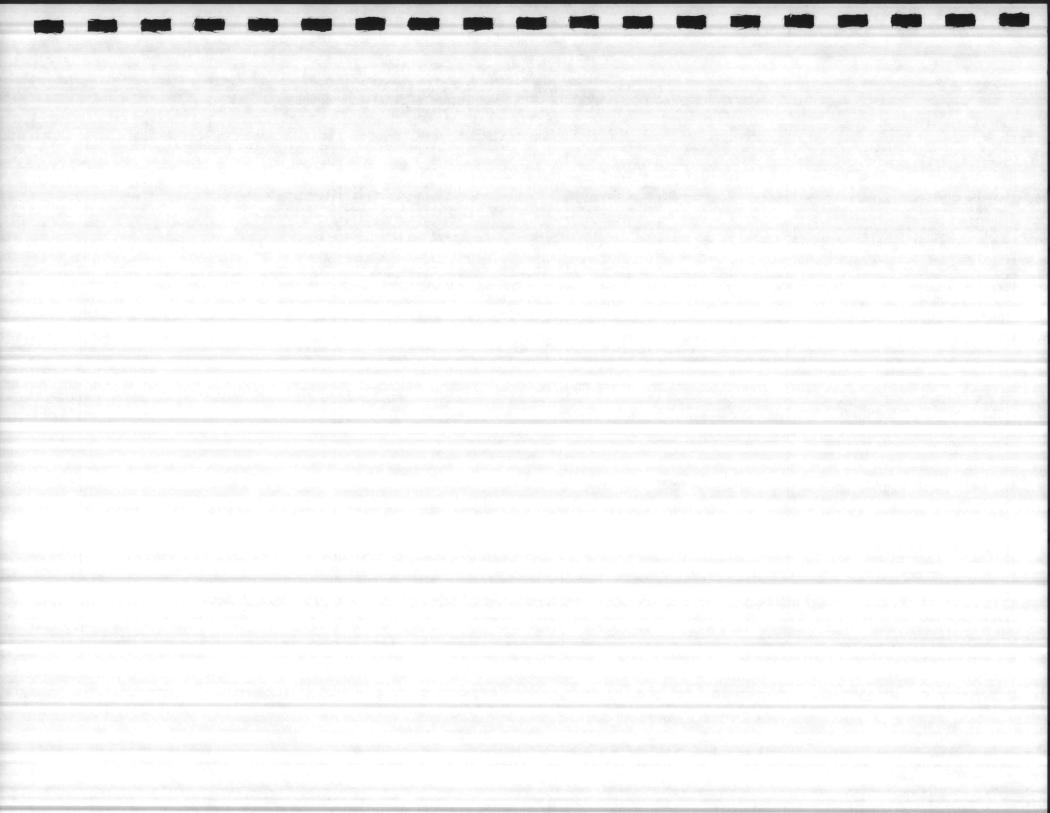
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESTRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	10 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 No troops on OP-1 when using mortars		
Are There Site-unique Requirements Placed on Using Units? Yes, No, Explain	NA NA		

FILE	NAME:	LP010086

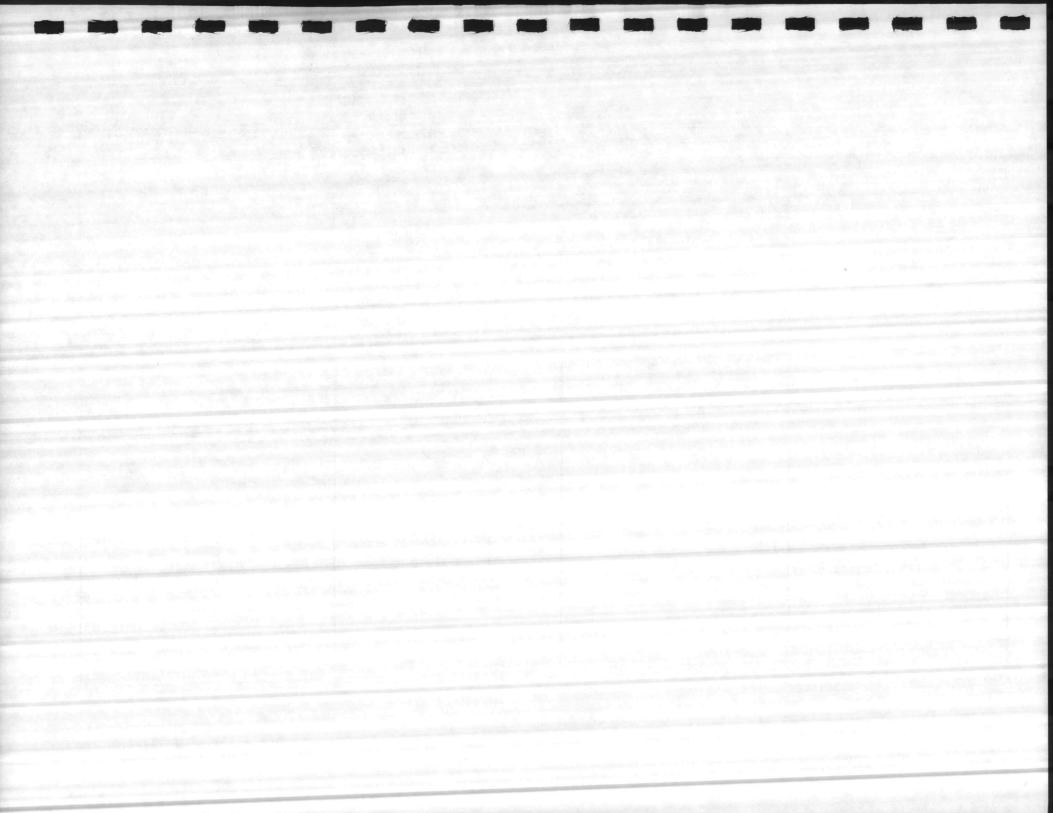
PAGE 5 OF 6 DATE: 03/05/87

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	X Bordering woodpecker habitat		
LE NAME: LP010086			

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



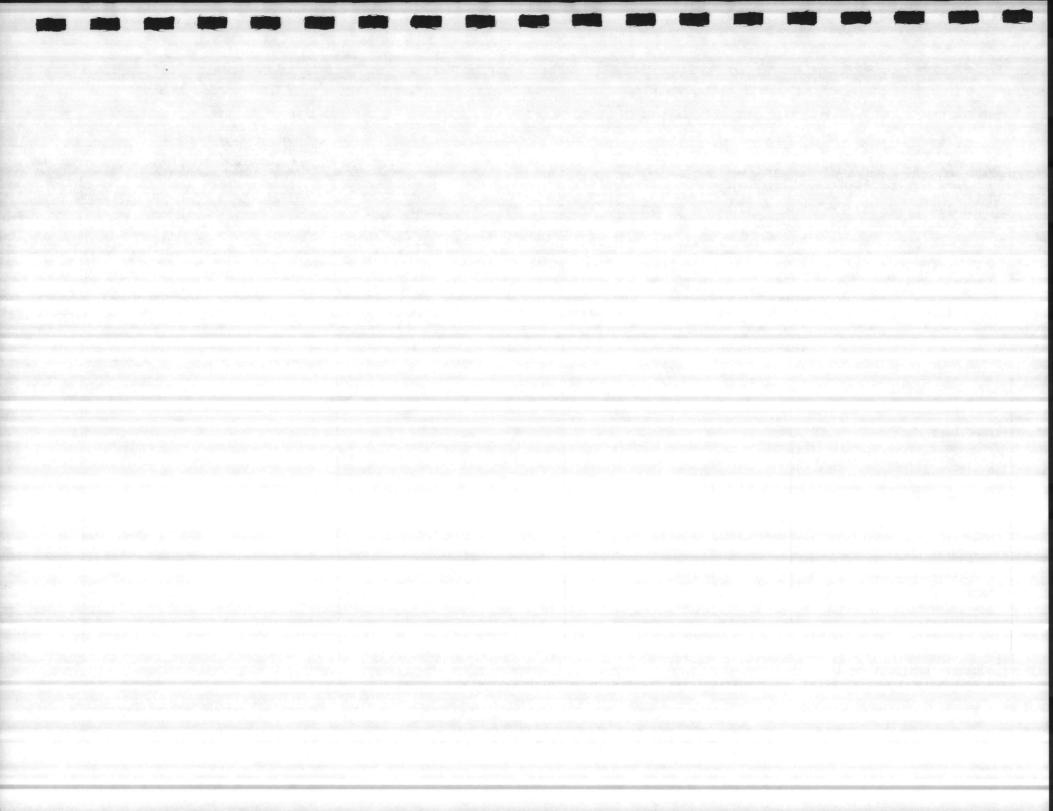
SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY: Live-Fire Full Caliber Live-Fire Subcaliber
RANGE NAME AND LOCATION: GP-7, MCB, Camp Lejeune, NC	Simulator
Gun Position INSTRUCTIONS:	X Maneuver Area Associated Air Space
One form for each range/facility/simulator	Other
Fill in 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)
100 X 100 yds		
NA		
17,999 ft; 399 sq km		
TP91473730		
NA		
6		
	100 X 100 yds NA 17,999 ft; 399 sq km TP91473730	PRESENT CHARACTERISTICS (INCLUDE YEAR) 100 X 100 yds NA 17,999 ft; 399 sq km TP91473730

FILE NAME: LP010087

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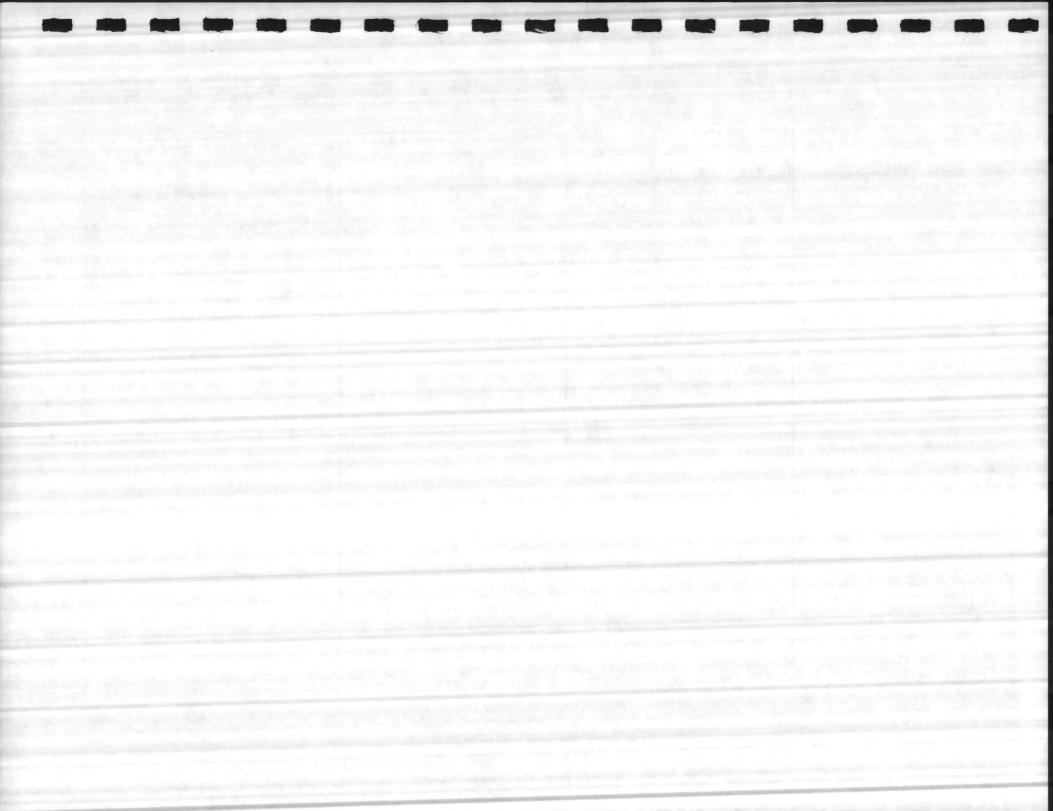
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



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

FILE NAME: LP010087
PAGE 2 OF 6 DATE: 03/05/87

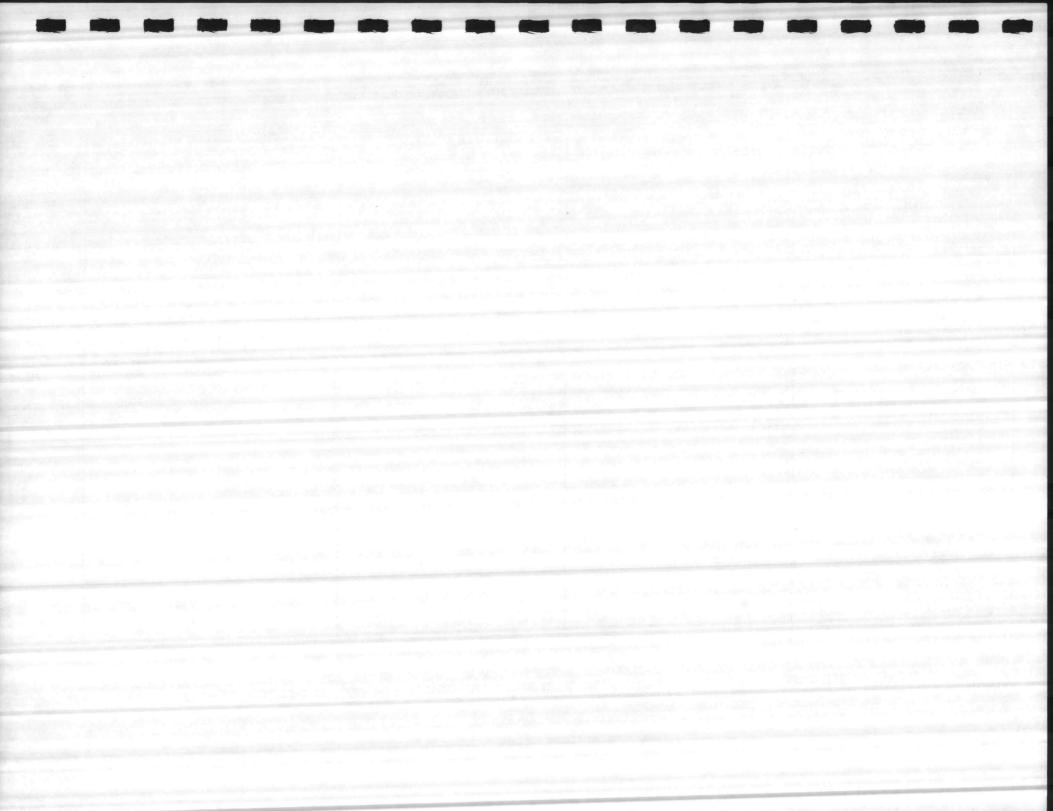
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	No ammunition; Reconnaissance Survey Occupation Preparation (RSOP) of position		
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	70	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock	100	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010087 PAGE 3 OF 6 DATE: DATE: 03/05/87

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

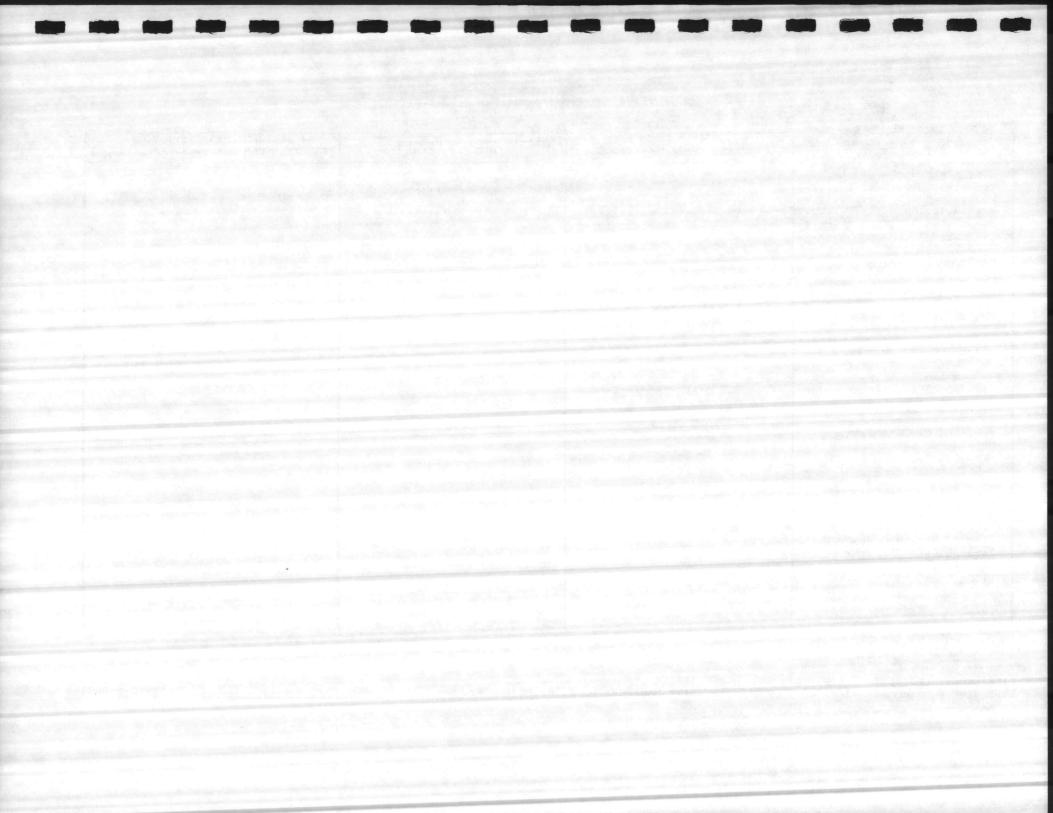


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100	4	
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	2		
Distance from Supply Points POL (km)			
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	Yes		

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PAGE 4 OF 6 DATE: 03/05/87

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



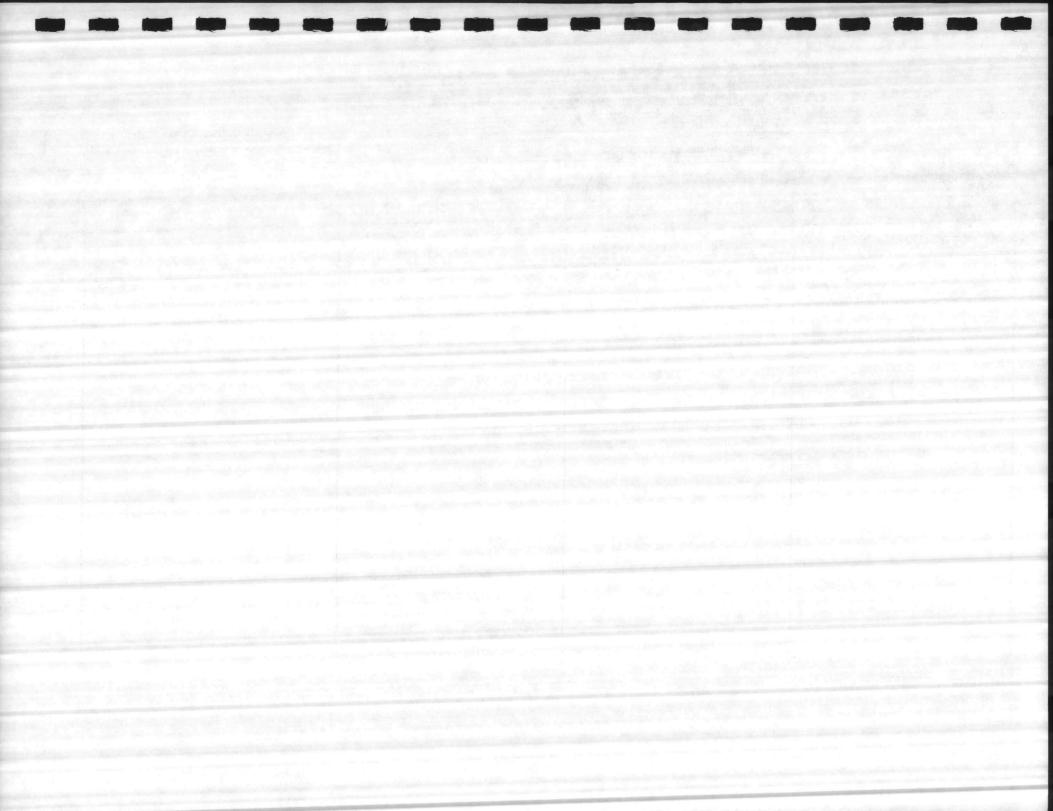
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	10	0	0
Other Ranges Which Must Be Closed When This Range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

FILE	NAME:	LP010087
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PAGE 5 OF 6 DATE: 03/05/87

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

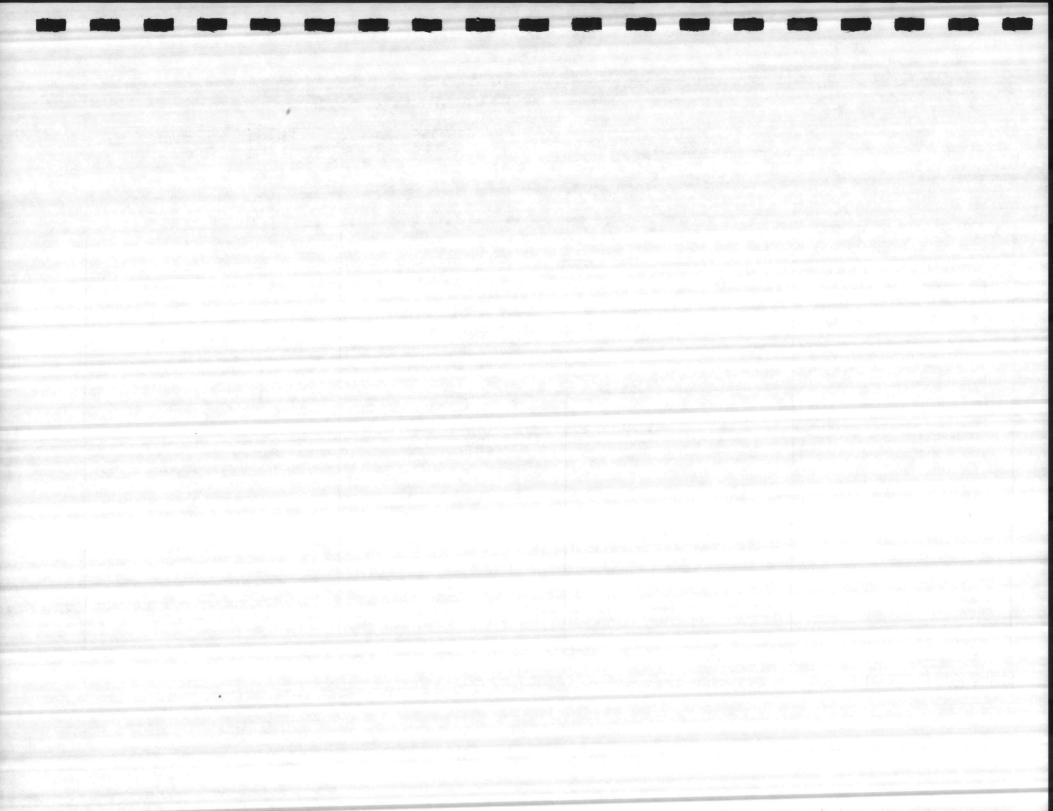
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
estrictions on Range Use Environmental			
Gas/Chemical Pyrotechnics/Flare Time of Day Time of Year Other			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

FILE NAME: LP010087
PAGE 6 OF 6 DATE: 03/05/87

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

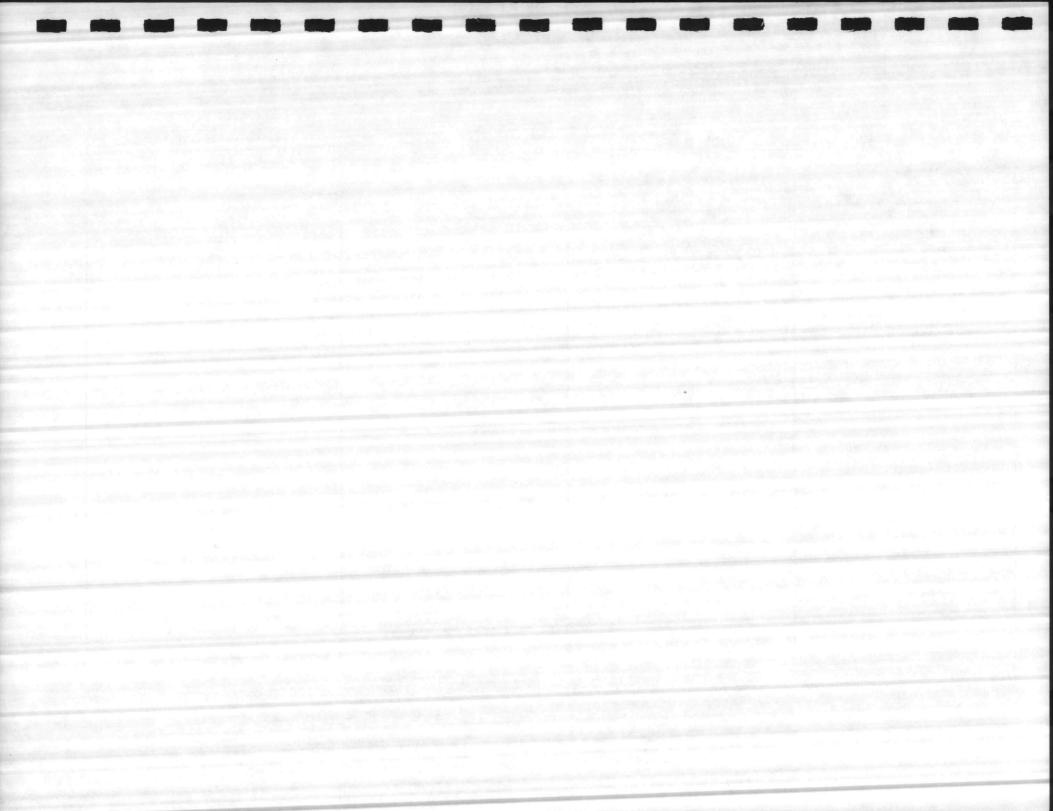


SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY:
	X Live-Fire Full Caliber Live-Fire Subcaliber
RANGE NAME AND LOCATION: GP-8, MCB, Camp Lejeune, NC	Simulator
Gun Position	X Maneuver Area
INSTRUCTIONS:	Associated Air Space
One form for each range/facility/simulator	Other
Fill 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)	75 X 75 yds		
Primary Direction of Fire	3640 MILS/205 degrees		
Associated Air Space	17,999 ft; 399 sq km		
Coordinates	TP93723808		
		The state of the s	The state of the s
Safety Buffer Rear (km)	NA		
Number of Firing Points/ Stations	6		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station. Parking Area Viewing Area			
	and the state of t		

FILE NAME: LP010088
PAGE 1 OF 6 DATE: DATE: 03/05/87

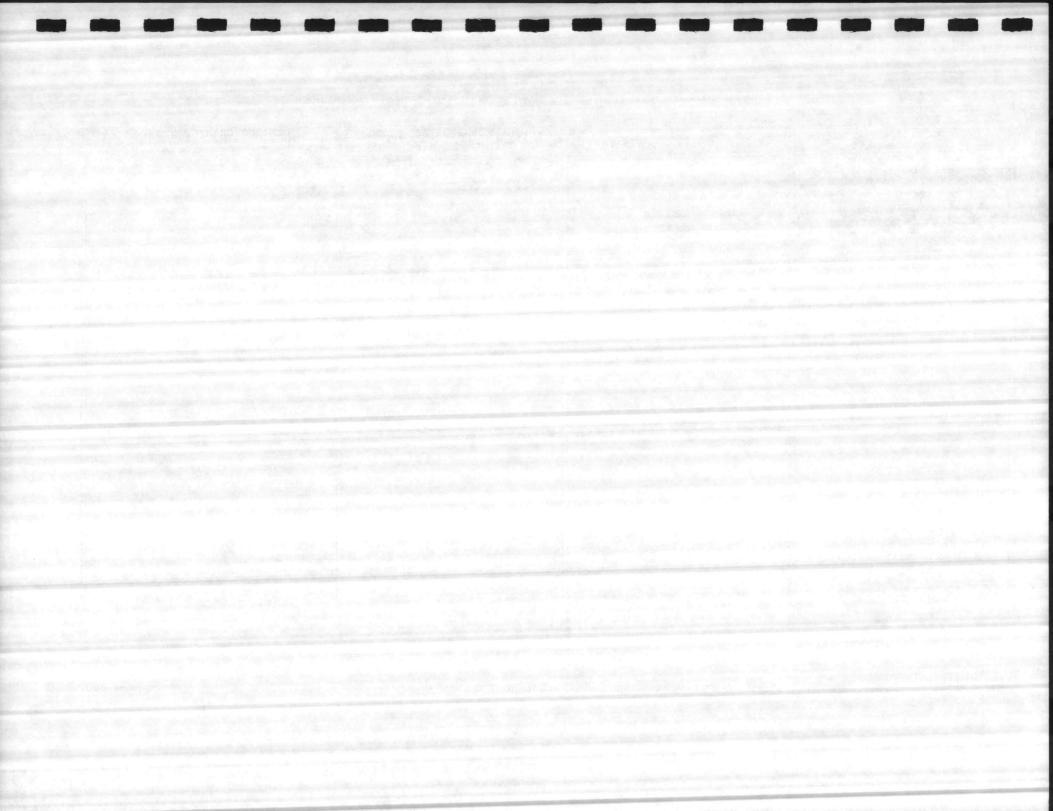
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
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	NA		
Are There Associated Simulation Devices? Yes, No, NA	NA ·		

FILE NAME: LP010088
PAGE 2 OF 6 DATE: 03/05/87

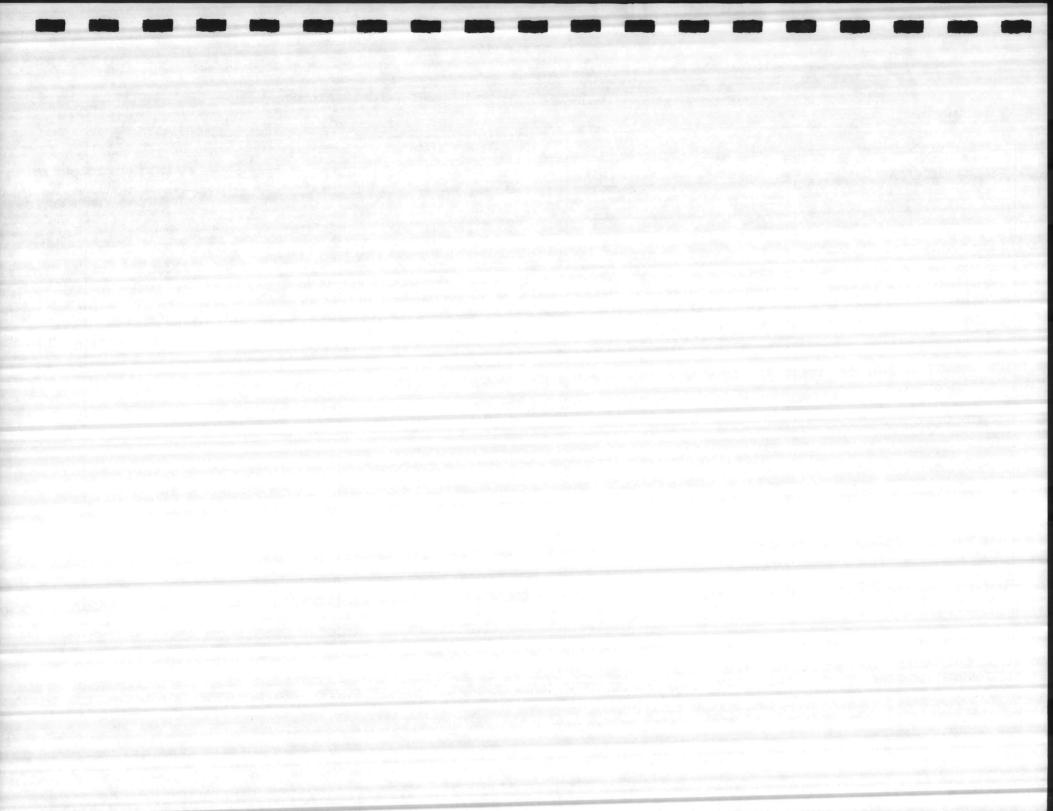
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Weapon Types Used on the Range	 105-mm, 155-mm, 8-in		
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	75 	NOT APPLICABLE	NOT APPLICABLE
Percentage Rock	85 	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010088
PAGE 3 OF 6 DATE: 03/05/87

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

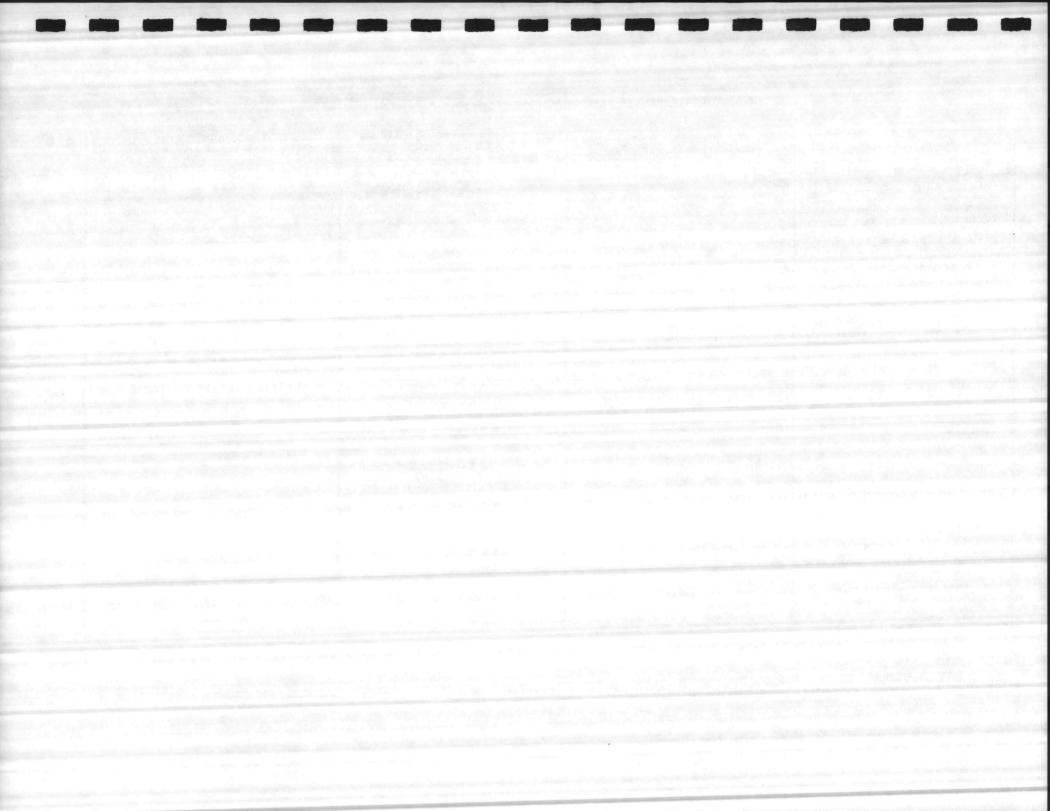


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy			
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	3		
Distance from Supply Points POL (km)	10		
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	Yes		

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PAGE 4 OF 6 DATE: 03/05/87

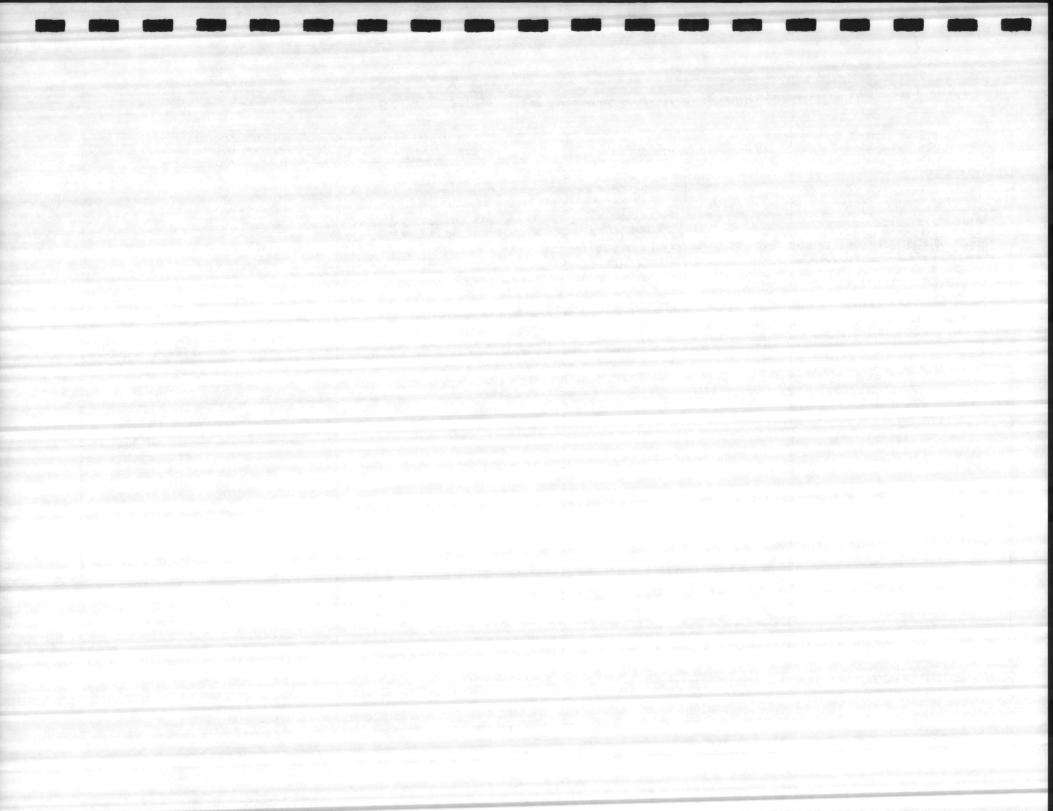
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



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	10 10	0	0
Other Ranges Which Must Be Closed When This Range is in Use	F-3		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	NA		
Are There Site-unique Requirements Placed on Using Units? Yes, No, Explain	NA		

FILE NAME: LP010088
PAGE 5 OF 6 DATE: 03/05/87

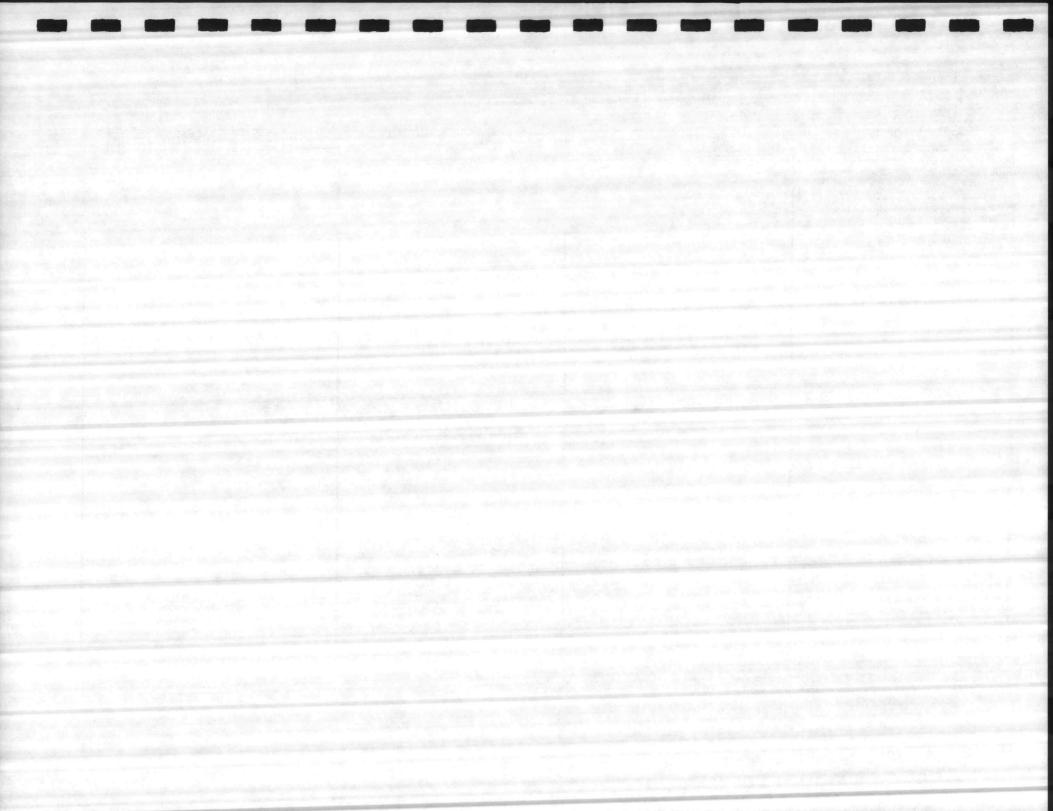
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Restrictions on Range Use EnvironmentalAICUZFAA.	NA		
Noise			

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

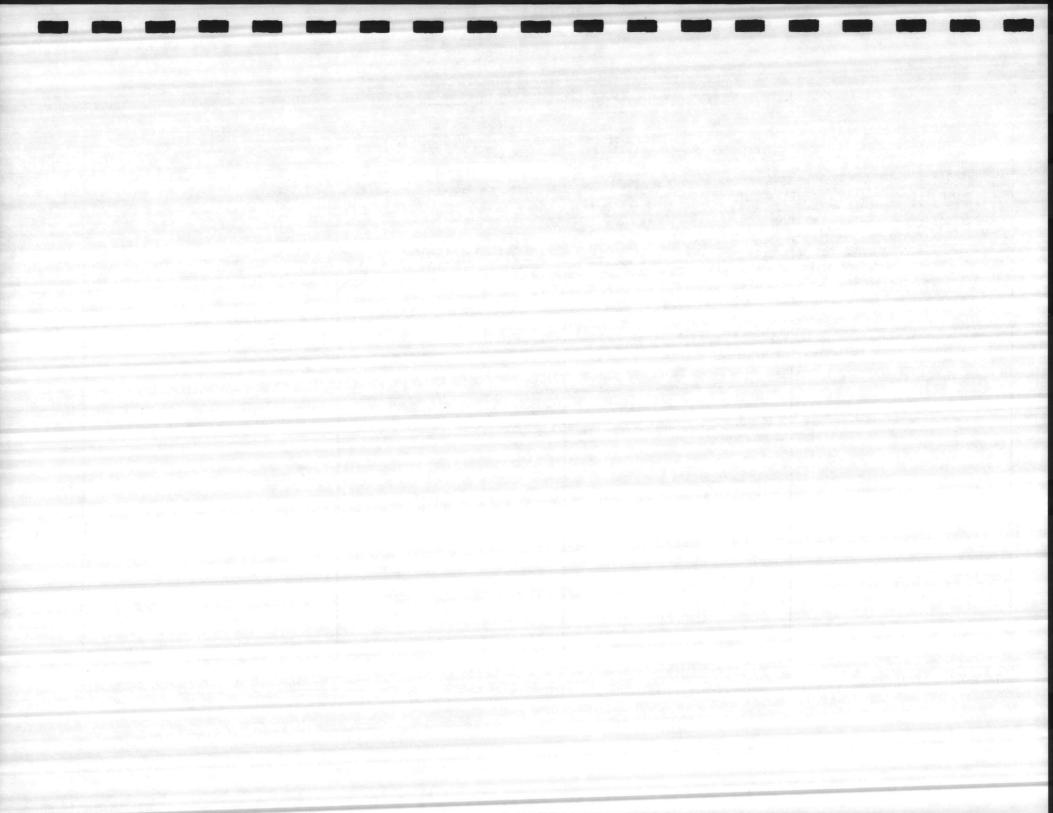


SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102		PACILITY: Pire Full Caliber Pire Subcaliber
RANGE NAME AND LOCATION: GP-9, MCB, Camp Lejeune, NC Gun Position INSTRUCTIONS:	Simul	
One form for each range/facility/simulator Fill in data elements as appropriate Use right column for new or improved ranges needed	Other	

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km) Primary Direction of Fire Associated Air Space Coordinates	100 X 170 yds 700 MILS/38 degrees 17,999 ft; 399 sq km TP93833715		
Safety Buffer Rear (km)	NA		
Number of Firing Points/ Stations	6		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area			

FILE NAME: LP010089
PAGE 1 OF 6 DATE: 03/05/87

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

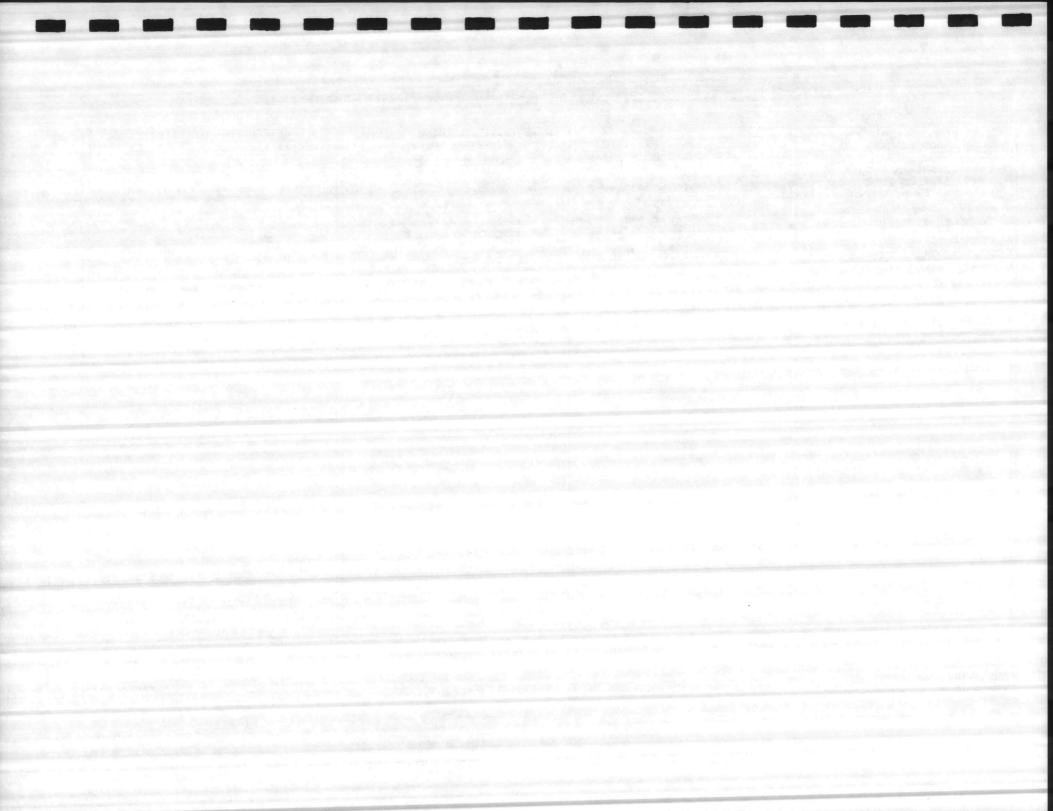


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site Other			
Telemetry Instrumentation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

FILE NAME: LP010089

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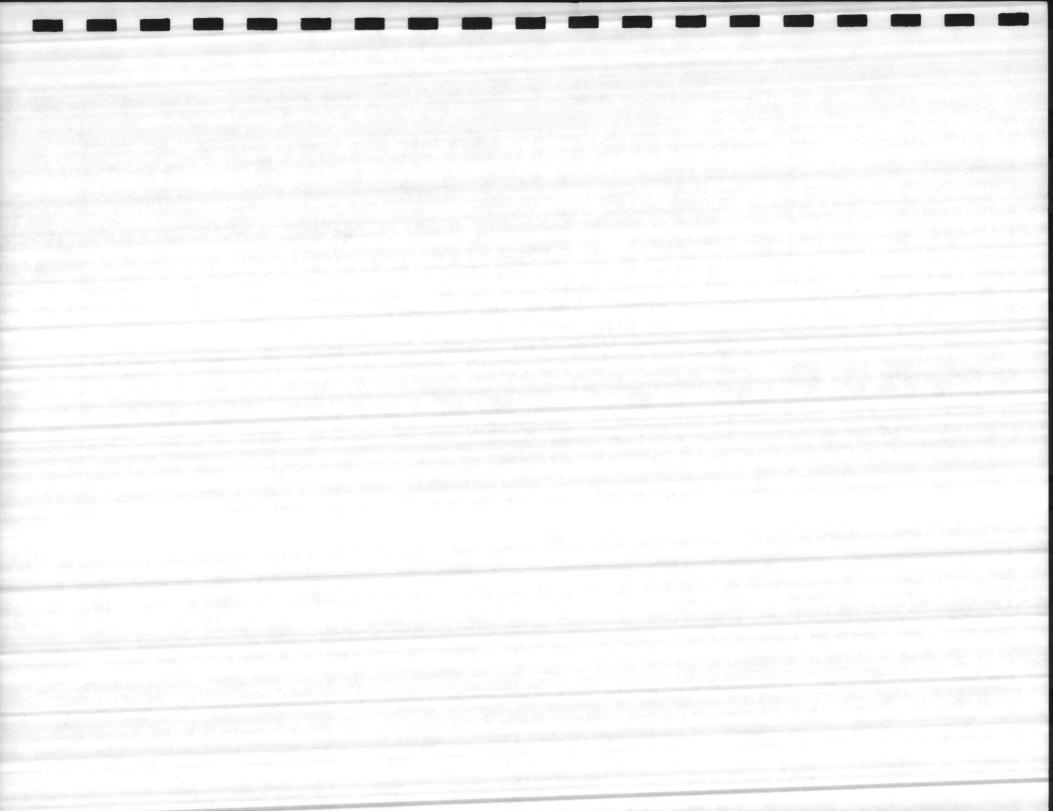
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	105-mm, 60-mm, 81-mm		
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	75 	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010089 PAGE 3 OF 6 DATE: DATE: 03/05/87

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



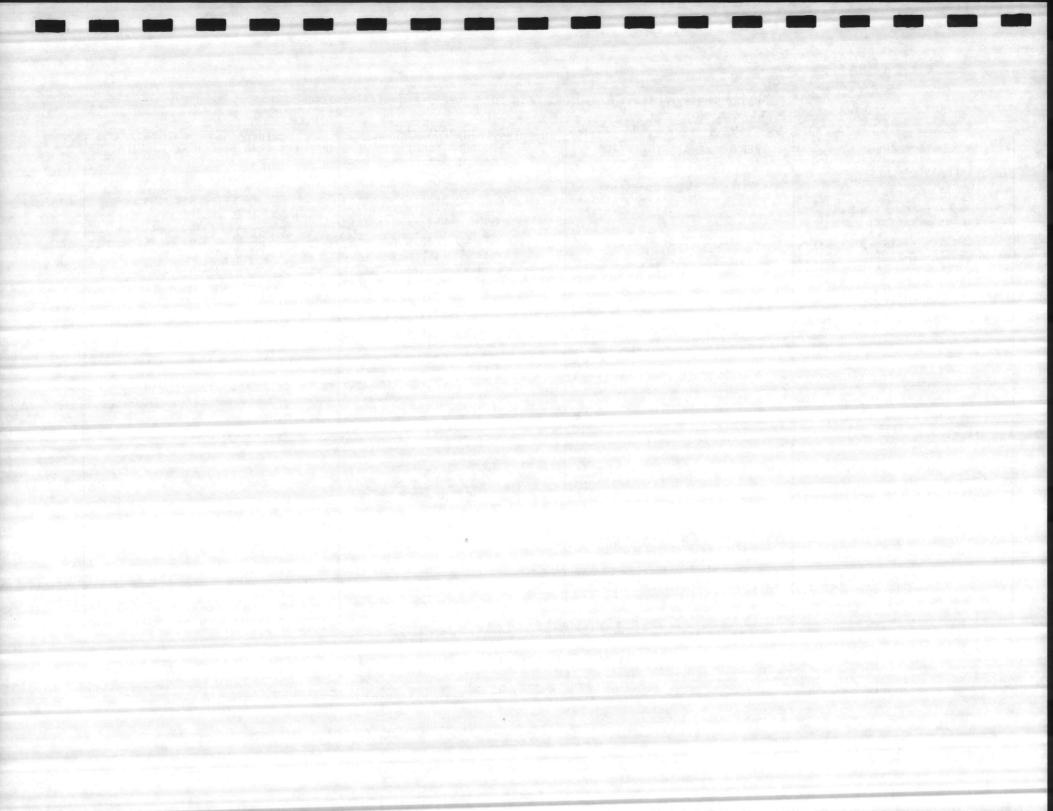
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy			
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	3		
Distance from Supply Points POL (km)	10		
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	Yes		

FILE	NAME:	LP010089

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

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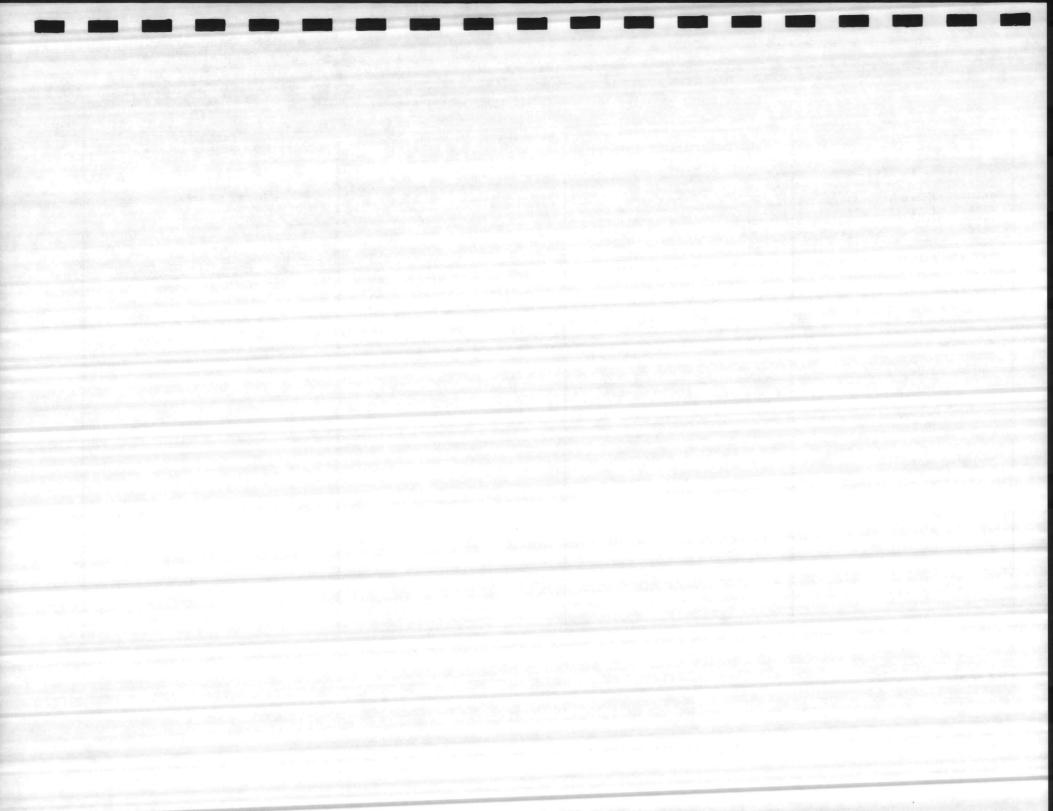
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	10 10	0	0
Other Ranges Which Must Be Closed When This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

FILE	NAME:	LP010089

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

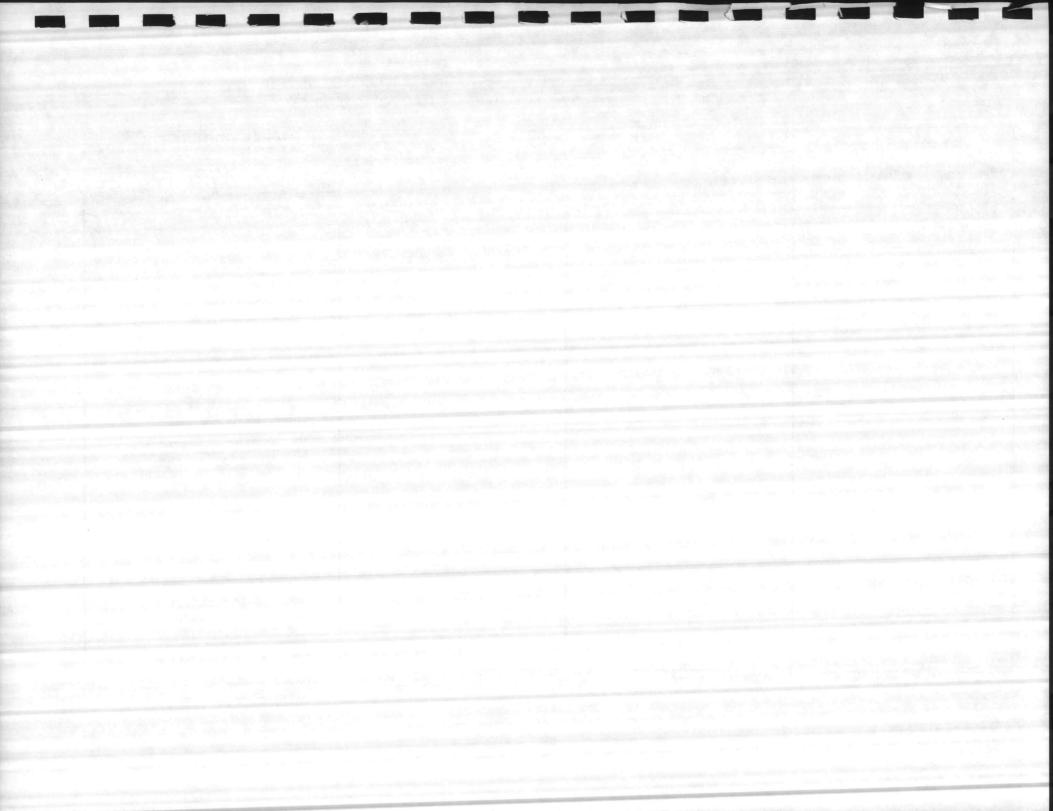
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Environmental AICUZ FAA	NA		
Noise Gas/Chemical Pyrotechnics/Flare Time of Day Time of Year Other			
ILE NAME: LP010089			

PAGE 6 OF 6 DATE: 03/05/87

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



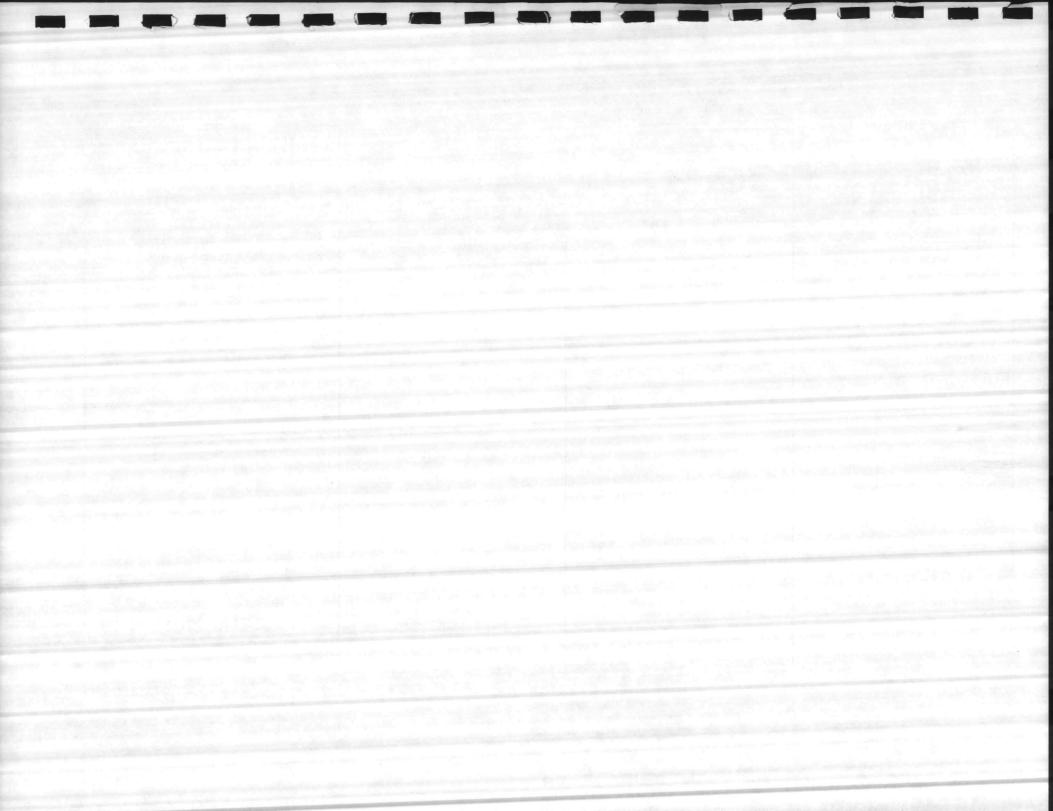
SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY: X Live-Fire Full Caliber Live-Fire Subcaliber
RANGE NAME AND LOCATION: GP-10, MCB, Camp Lejeune, NC Gun Position INSTRUCTIONS:	Simulator Maneuver Area Associated Air Space
One form for each range/facility/simulator Fill in data elements as appropriate Use right column for new or improved ranges needed	Other

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Range Shape and Dimensions Dimensions (km)	70 X 120 yds		
Primary Direction of Fire	4320 MILS/243 degrees		
Associated Air Space	17,999 ft; 399 sq km		
Coordinates	TP95033694		
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			

FILE NAME: LP010090 PAGE 1 OF 6 DATE:

DATE: 03/05/87

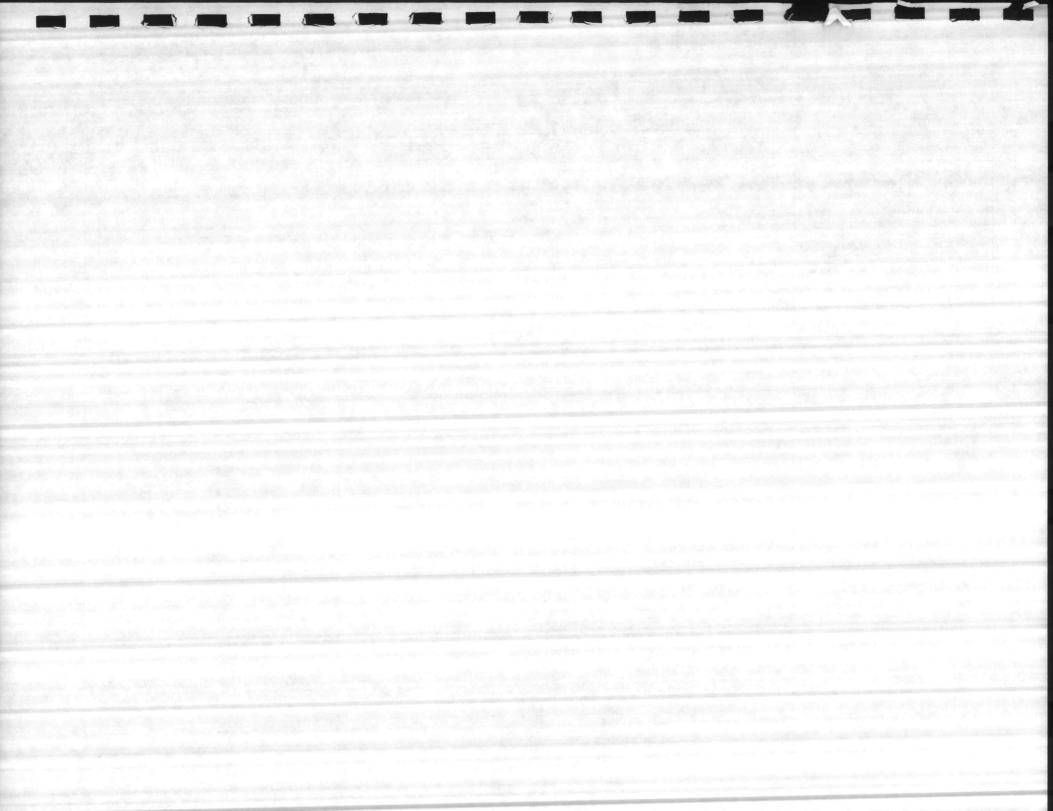
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
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 .		

FILE NAME: LP010090
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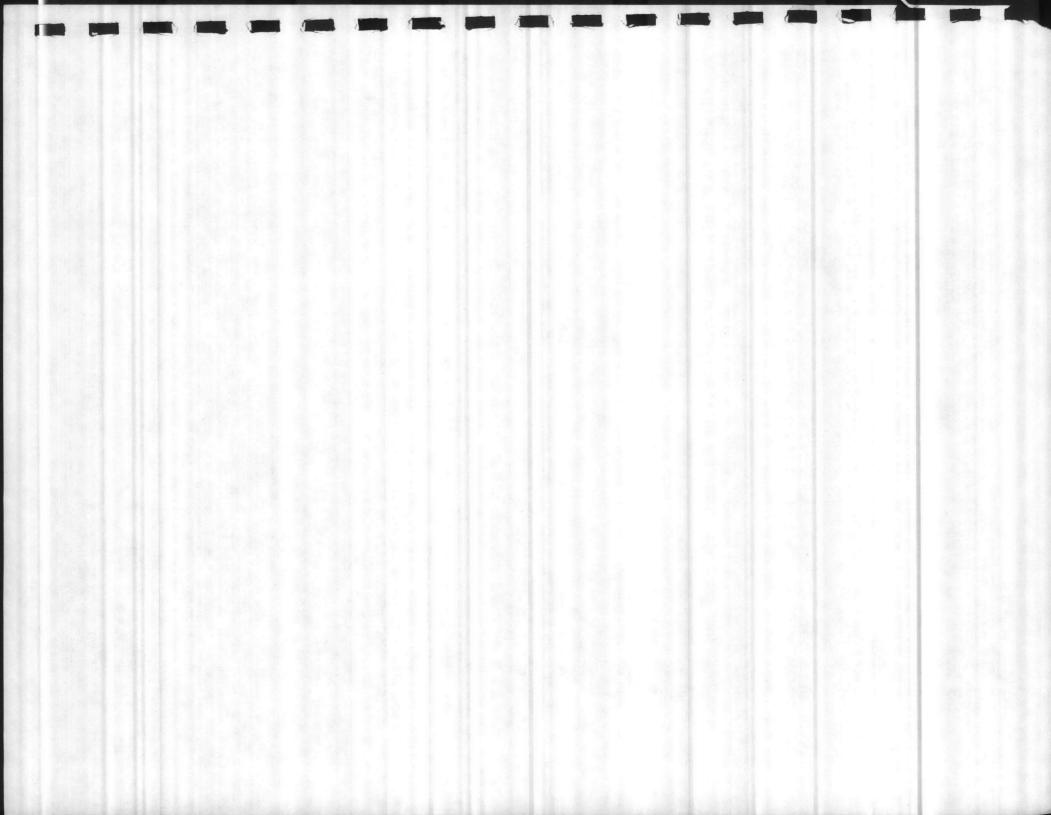
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	105-mm, 60-mm, 81-mm		
		-	
Climate Seasonal		NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	75 	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy	100 	NOT APPLICABLE	NOT APPLICABLE

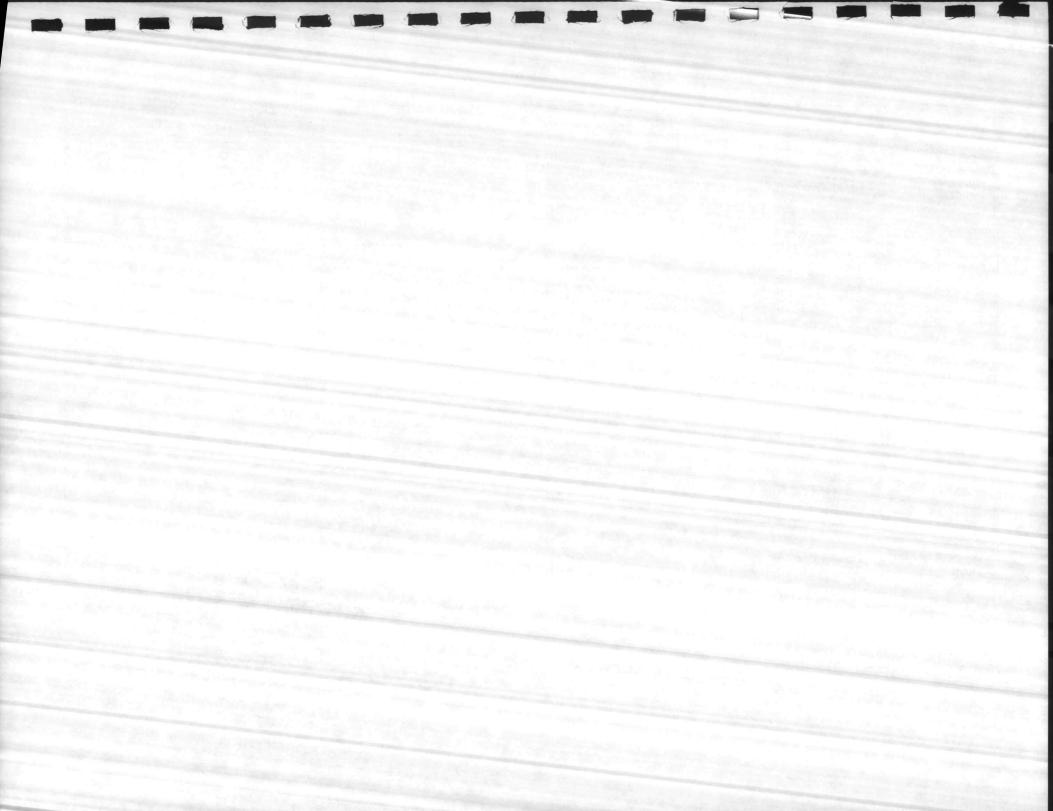
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PAGE	3 OF	6	DATE .	03/05/8

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	3		
Distance from Supply Points POL (km)	7 11 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	355		
Is Range/Facility Capable of Nighttime Use? Yes, No	Yes		

FILE	NAME:	LP010090	
PAGE	4 OF 6	DATE:	03/05/87



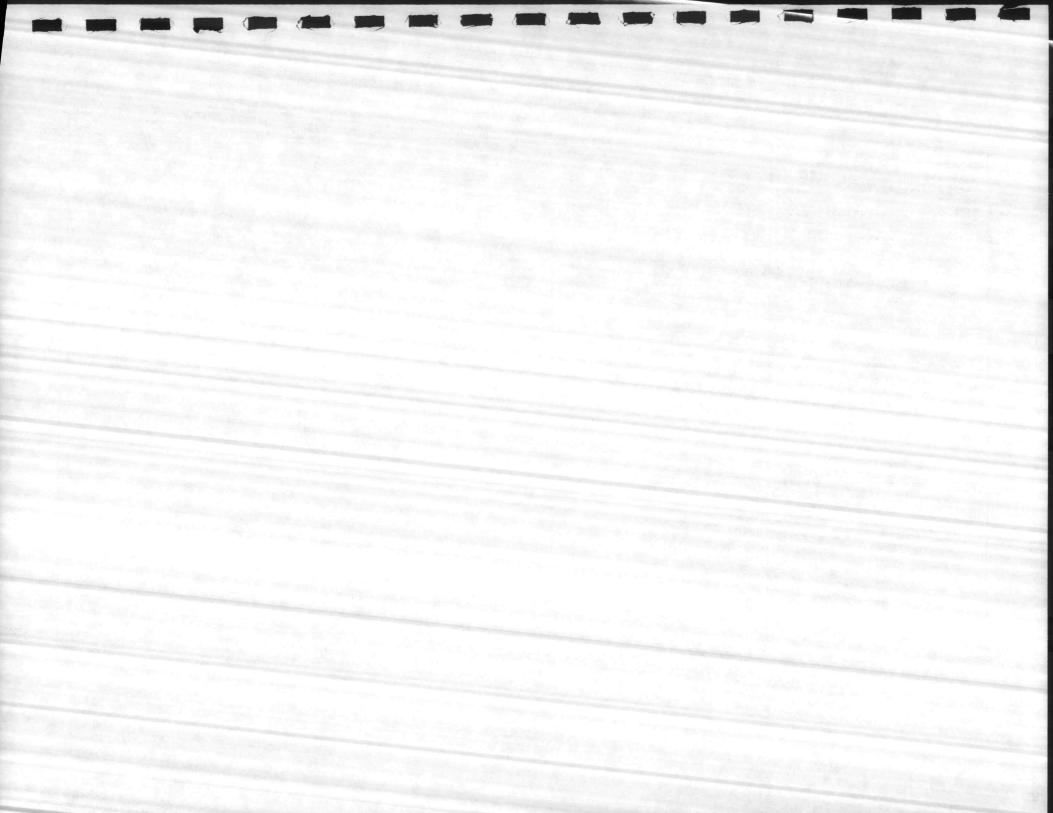
ARACTERISTICS EEDED IF APPLICABLE)	NTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	PRESENT CHARACTERISTICS	DATA ELEMENT
		10	Non-availability per Year Total
		IA	Other Ranges Which Must Be Closed When This Range is in Use
		IA	Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain
		JA	Are There Site-unique Re- quirements Placed on Using Units? Yes, No, Explain
		IA •	quirements Placed on Using Units?

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PAGE 5 OF 6 DATE: 03/05/87

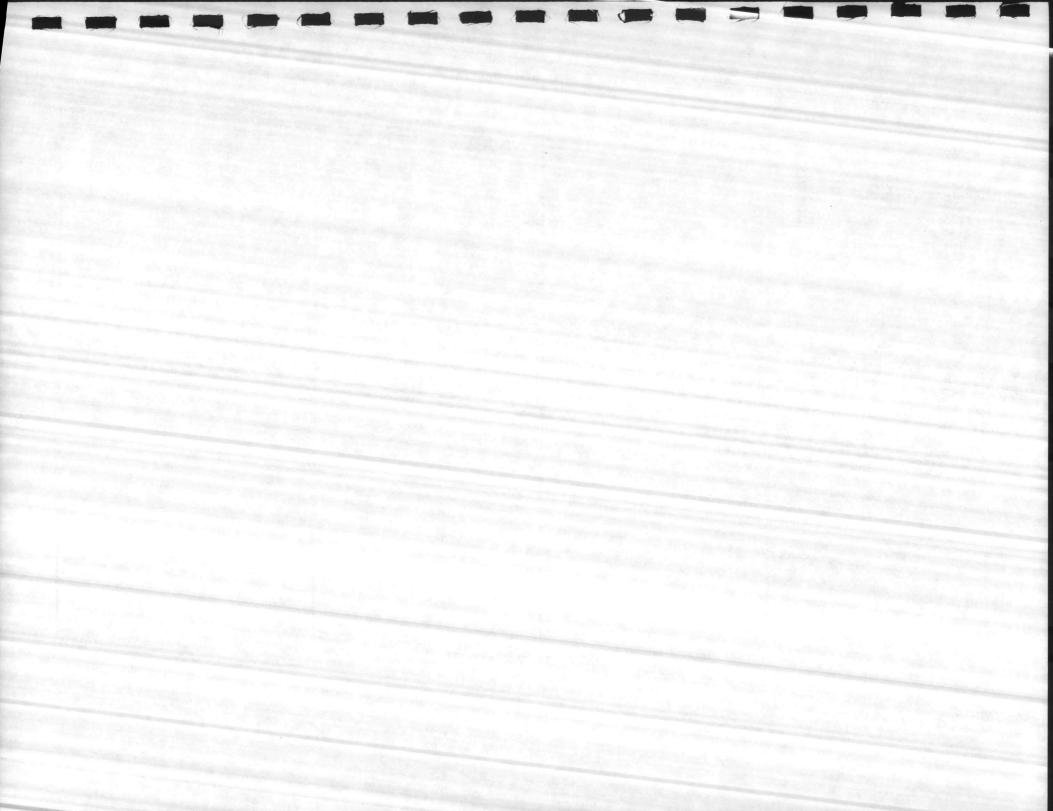
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.____

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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			

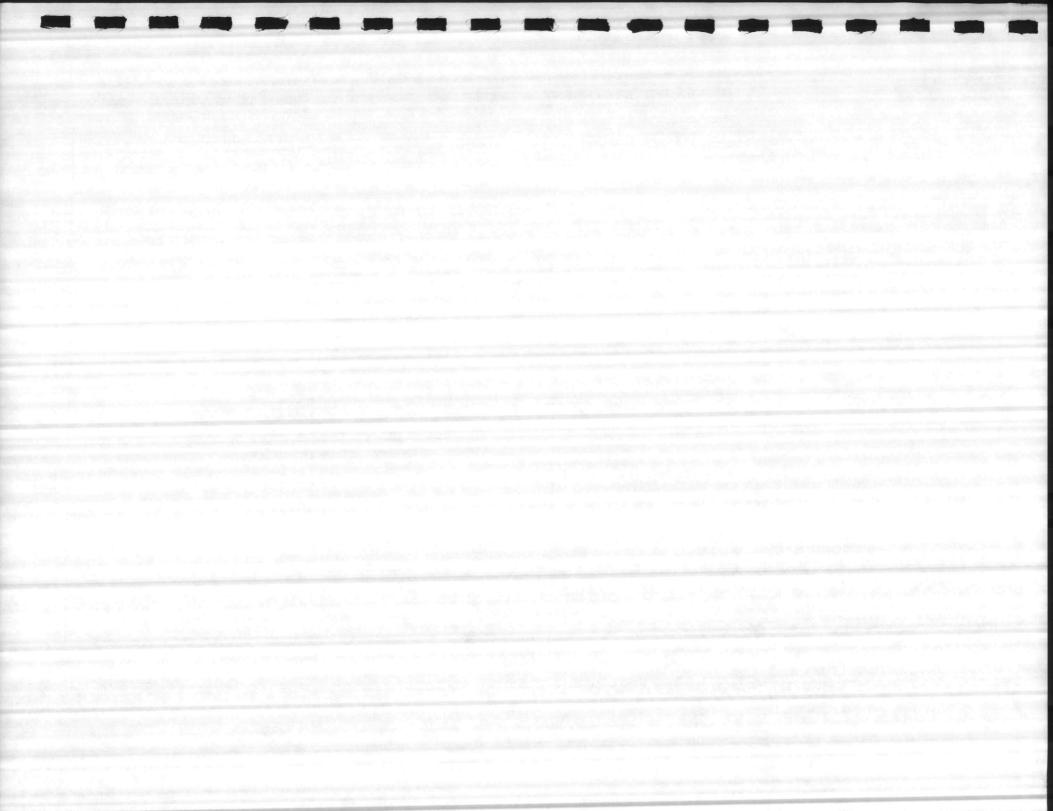
FILE NAME: LP010090
PAGE 6 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._



CANGE NAME AND LOCATION: GP-11 Gun Position ENSTRUCTIONS: One form for each range/faci Fill in data elements as app Use right column for new or	, MCB, Camp Lejeune, NC lity/simulator ropriate		TYPE RANGE FACILITY: X 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) Primary Direction of Fire Associated Air Space Coordinates	Undefined 		
Safety Buffer Rear (km)			
Number of Firing Points/ Stations	 6		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area			

FILE NAME: LP010091
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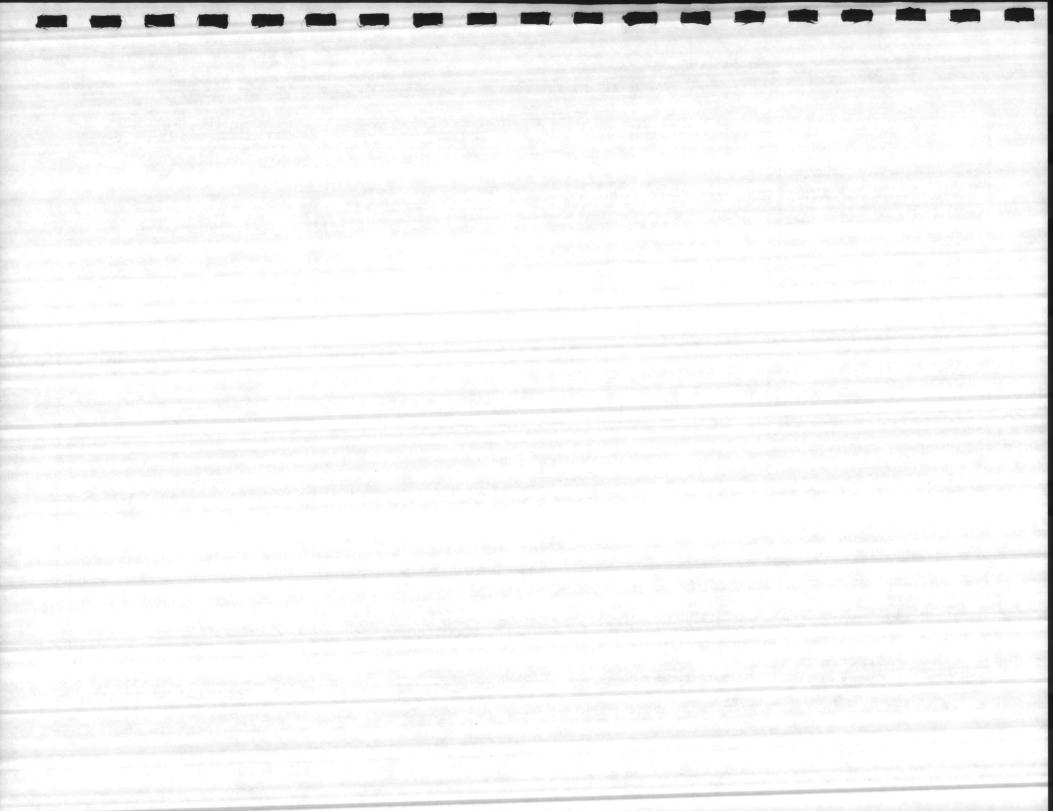
Viewing Area.....



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	NA	••••	
Are There Associated Simulation Devices? Yes, No, NA	NA Construction of the con		

FILE NAME: LP010091 PAGE 2 OF 6 DATE: 03/05/87

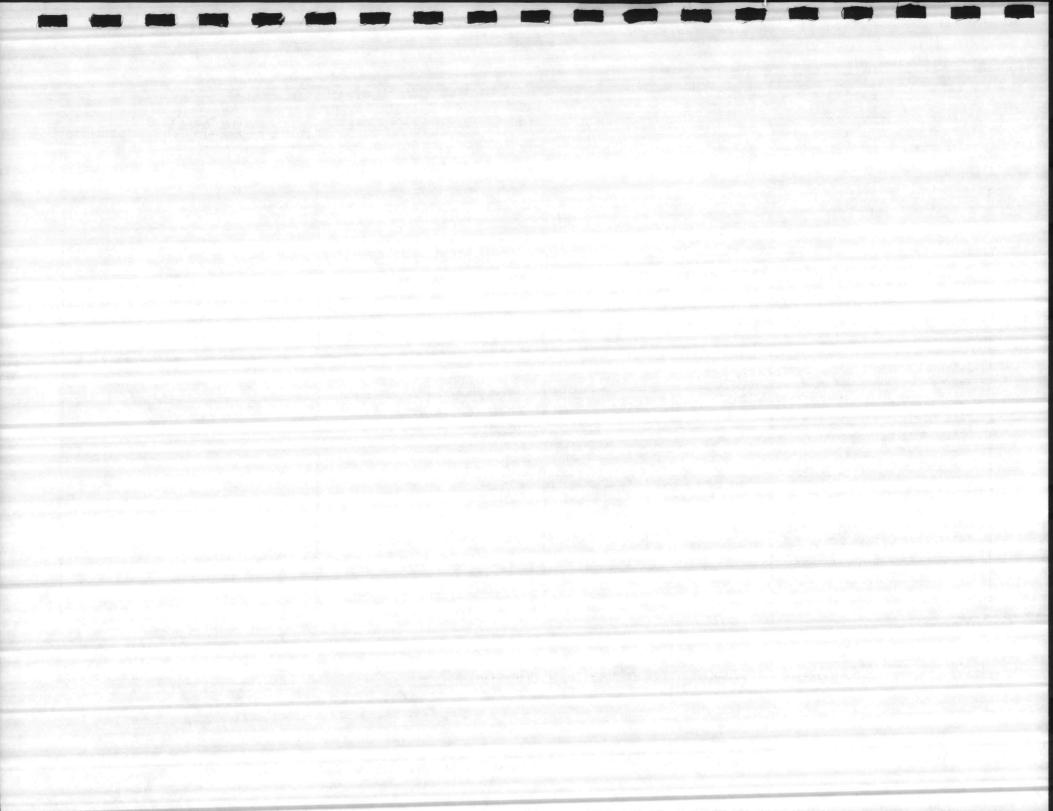
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	60-mm, 81-mm		
Climate Seasonal	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: LP010091 PAGE 3 OF 6 DATE: 03/05/87

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

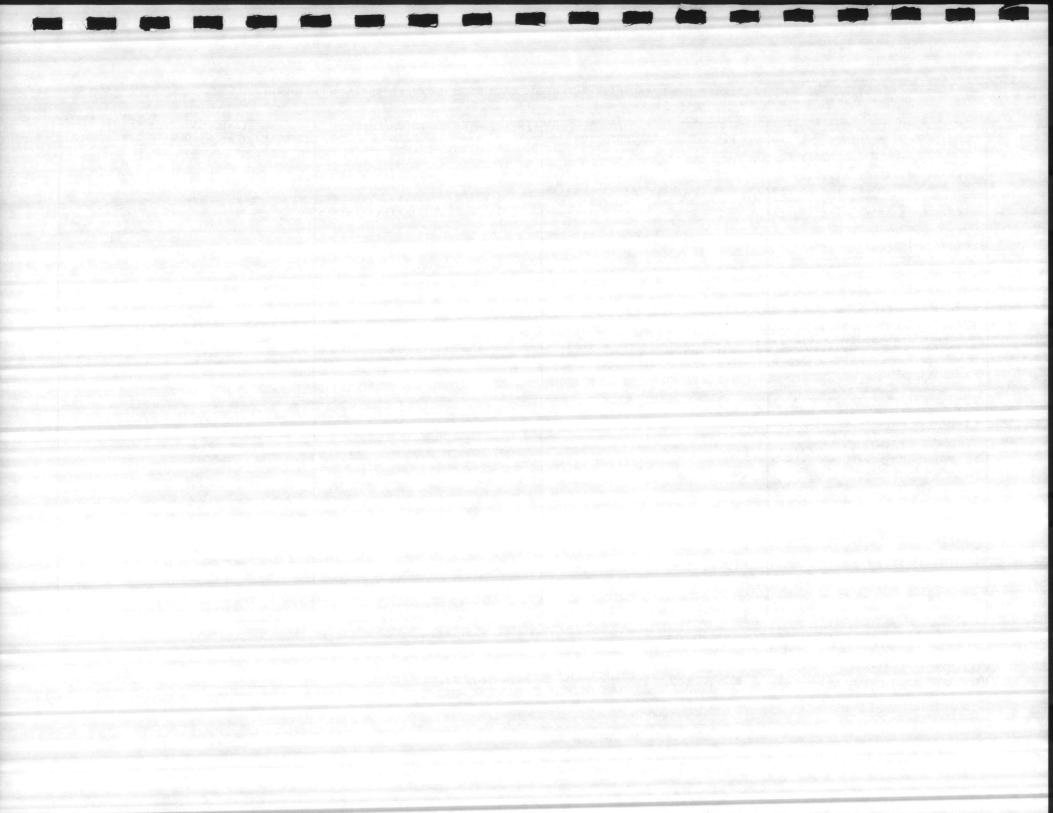


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	4		
Distance from Supply Points POL (km)	1		
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	Yes		

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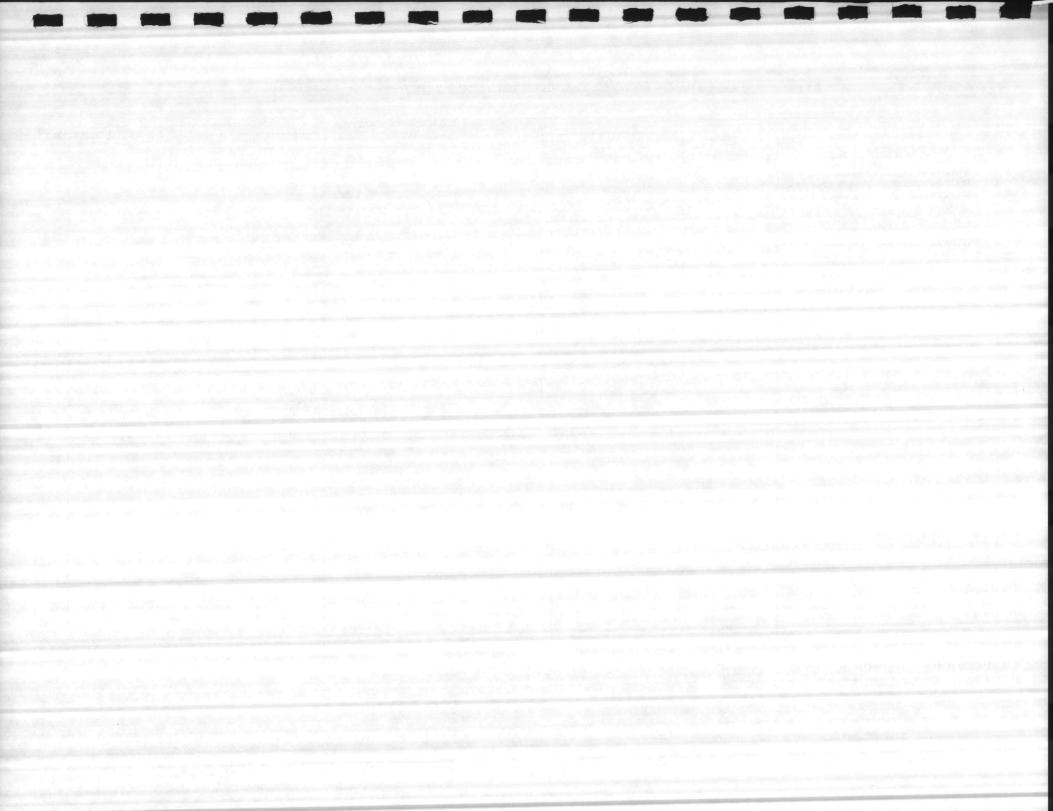
PAGE 4 OF 6 DATE: 03/05/87

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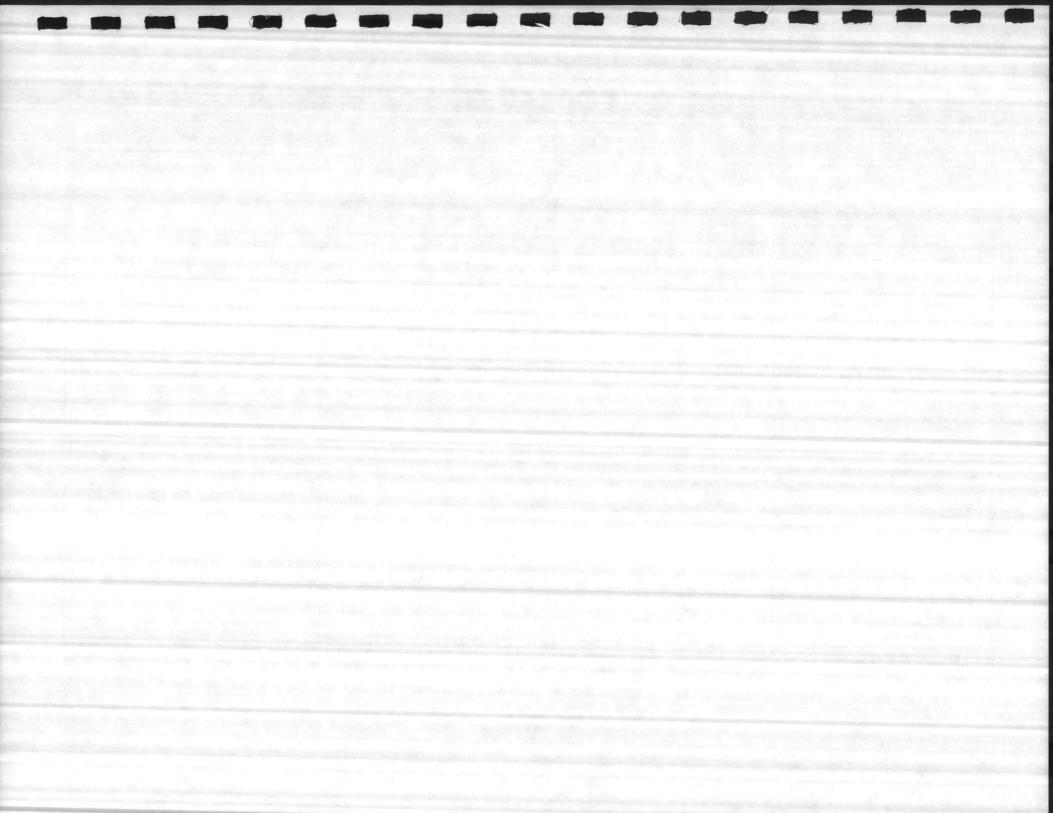
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	10 10	0	0
Other Ranges Which Must Be Closed When This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

FILE NAME:	LP010091			
PAGE 5 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
Restrictions on Range Use Environmental	NA		
FAA			
Other			
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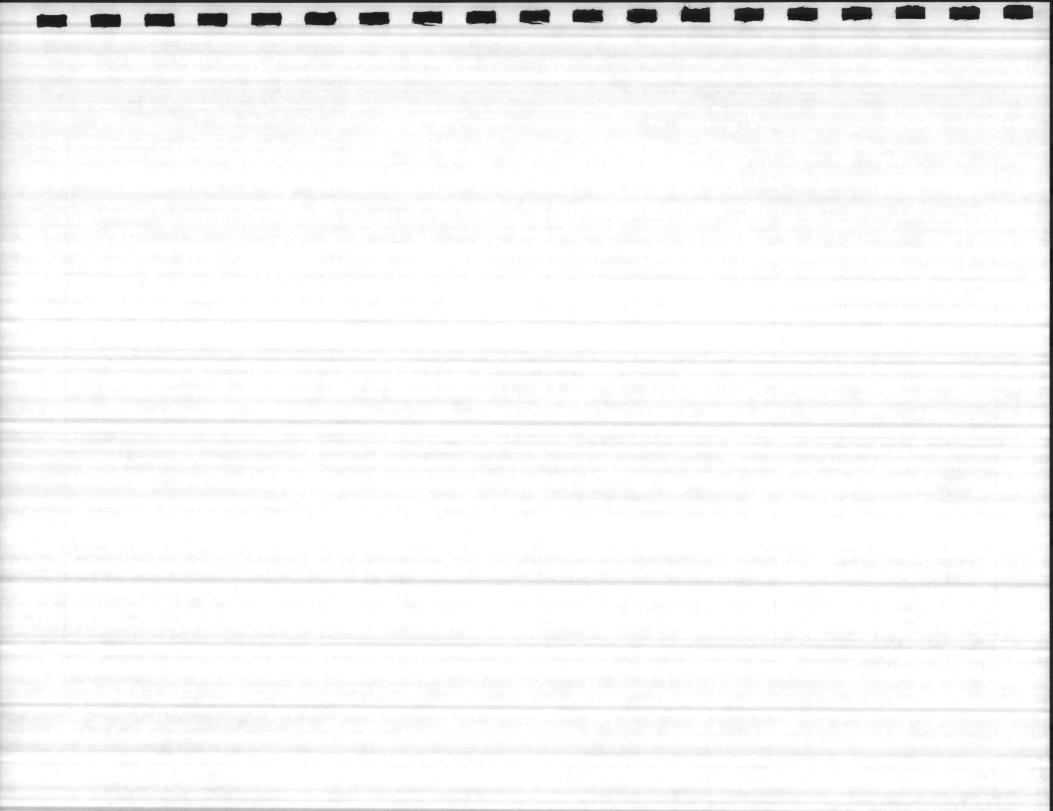
FILE NAME: LP010091 PAGE 6 OF 6 DATE: 03/05/87



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY: X Live-Fire Full Caliber
RANGE NAME AND LOCATION: GP-13, MCB, Camp Lejeune, NC Gun Position INSTRUCTIONS: One form for each range/facility/simulator	Live-Fire Subcaliber Simulator Maneuver Area Associated Air Space Other
Fill in data elements as appropriate Use right column for new or improved ranges needed	- Other

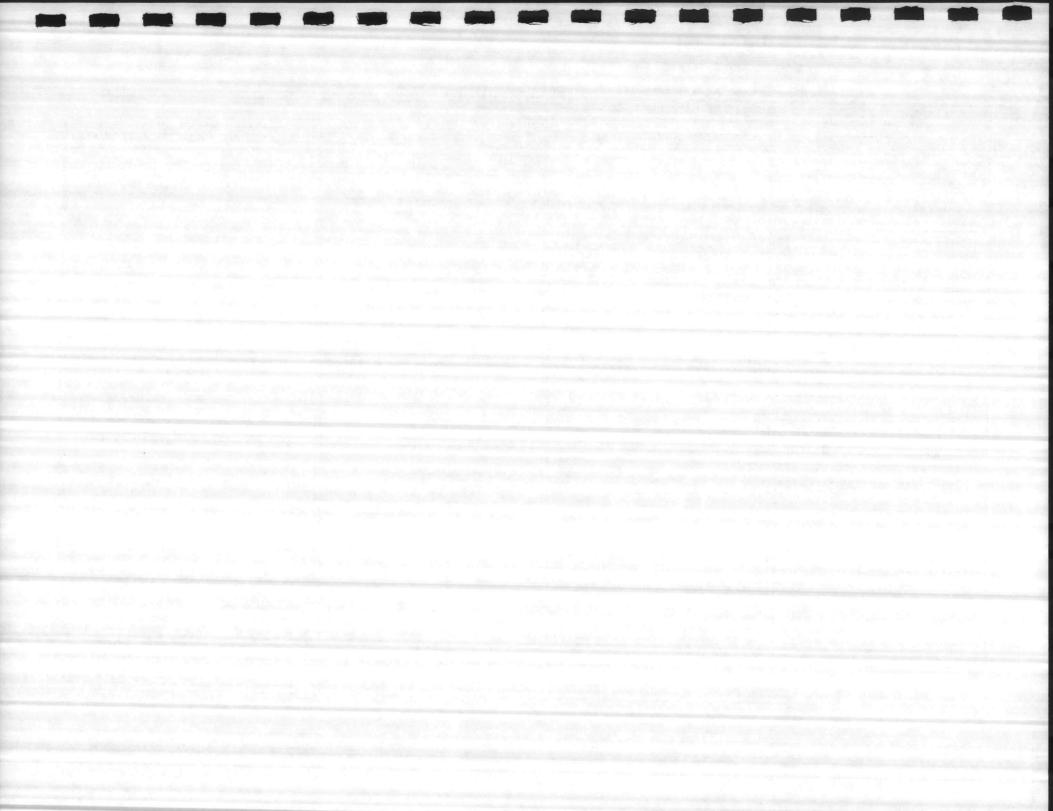
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km)	100 X 200 yds		
	4800 MILS/270 degrees 17,999 ft; 399 sq km TP96123528		
Safety Buffer Rear (km)	NA		
Number of Firing Points/ Stations	6		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area			

FILE NAME: LP010092 PAGE 1 OF 6 DATE: 03/05/87



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			
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other			
Target Types Pop-up	NA		
Are There Associated Simulation Devices? Yes, No, NA	NA		

FILE	NAME:	LP010092	
DACE	2 OF 6	DATE .	03/05/87

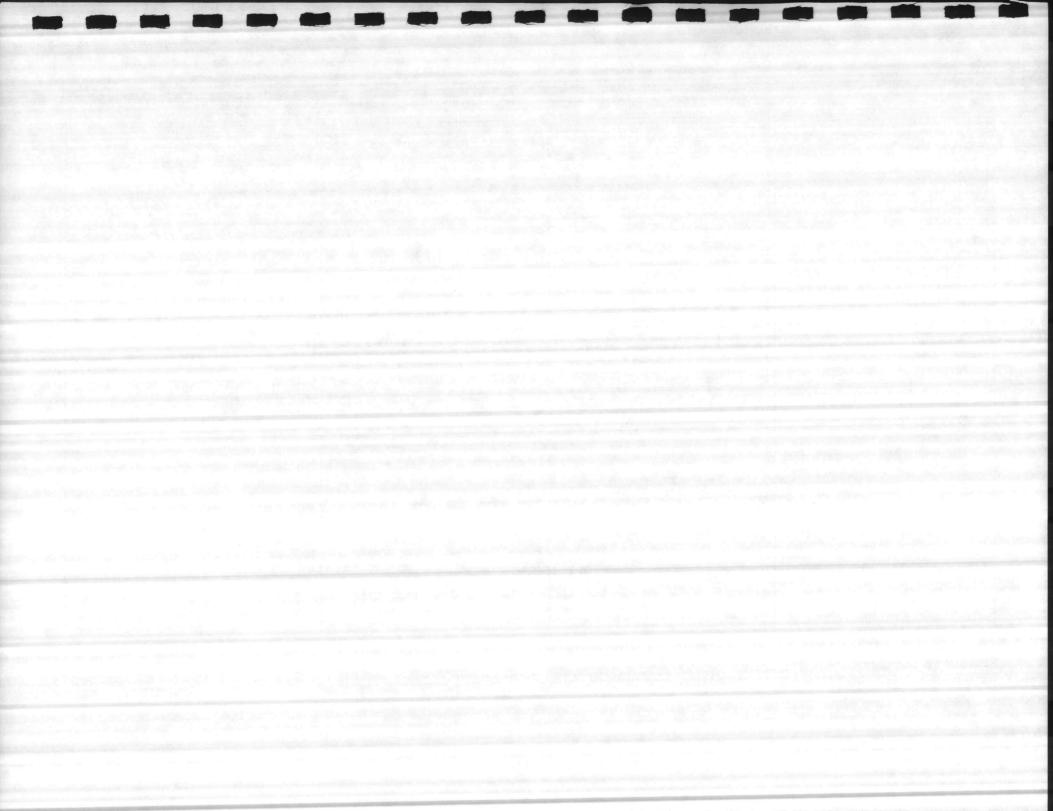


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	105-mm, 155-mm, 8-in		
Climate Seasonal Tropic. Temperate Arctic. Desert. All-Weather (Indoor)		NOT APPLICABLE	NOT APPLICABLE
Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level	75 	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:	LP010092	

PAGE 3 OF 6 DATE: 03/05/87

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

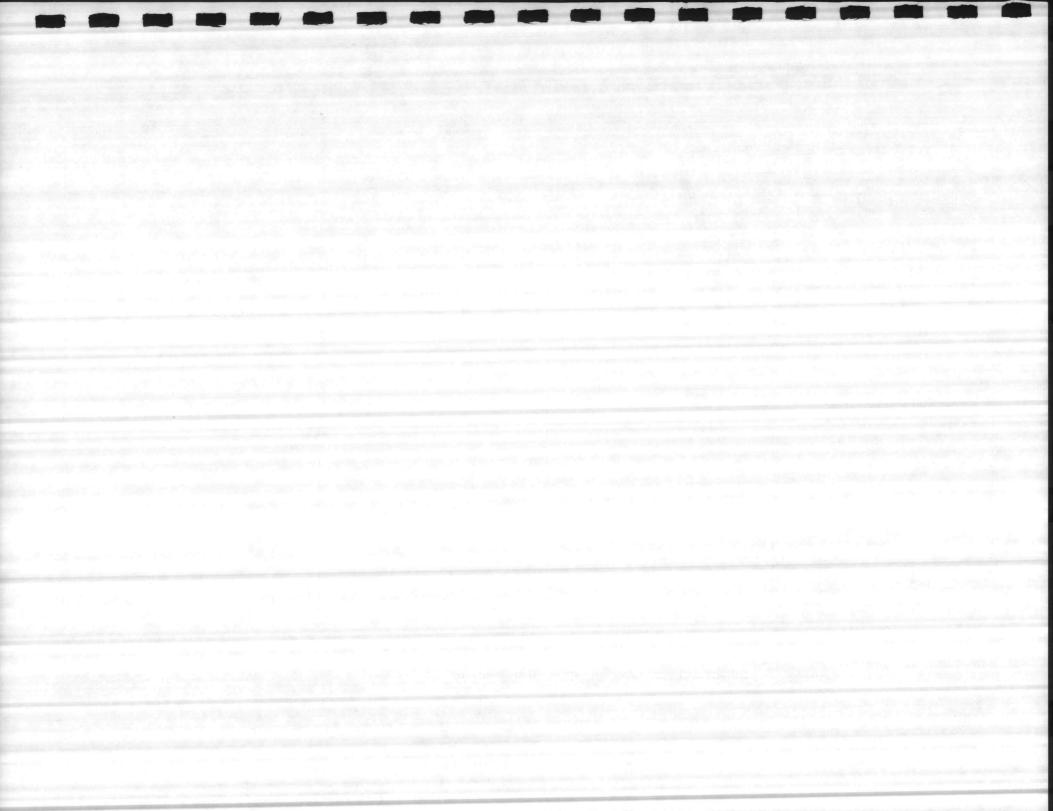


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy			
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas			
Distance from Supply Points POL (km) Ammunition (km) Rations (km)			
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	Yes		

FILE	NAME:	LP010092

PAGE 4 OF 6 DATE: 03/05/87

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

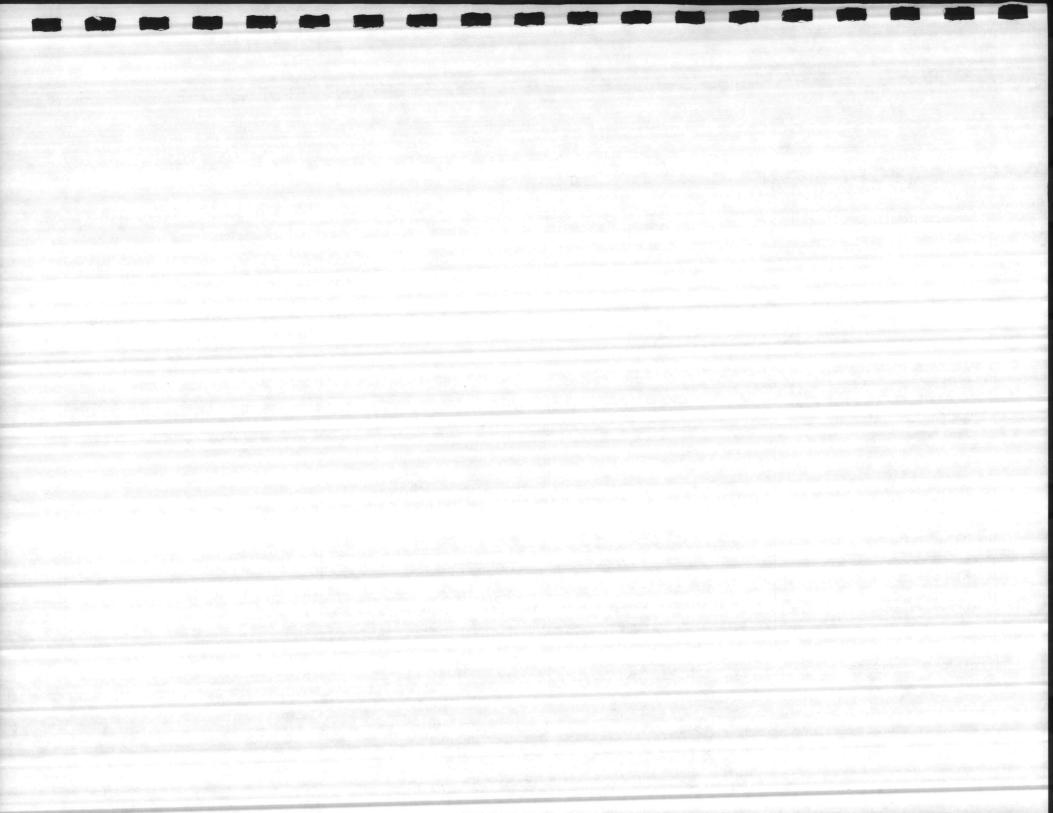


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	10	0	0
Other Ranges Which Must Be Closed When This Range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

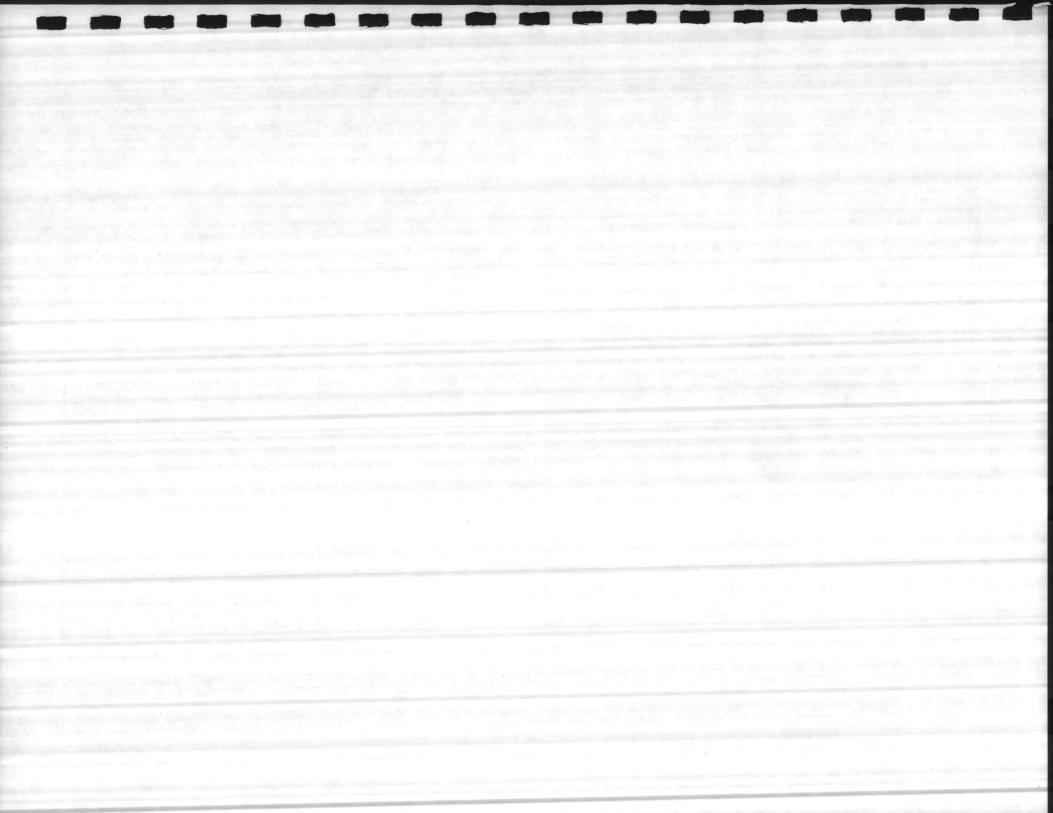
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PAGE 5 OF 6 DATE: 03/05/87

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



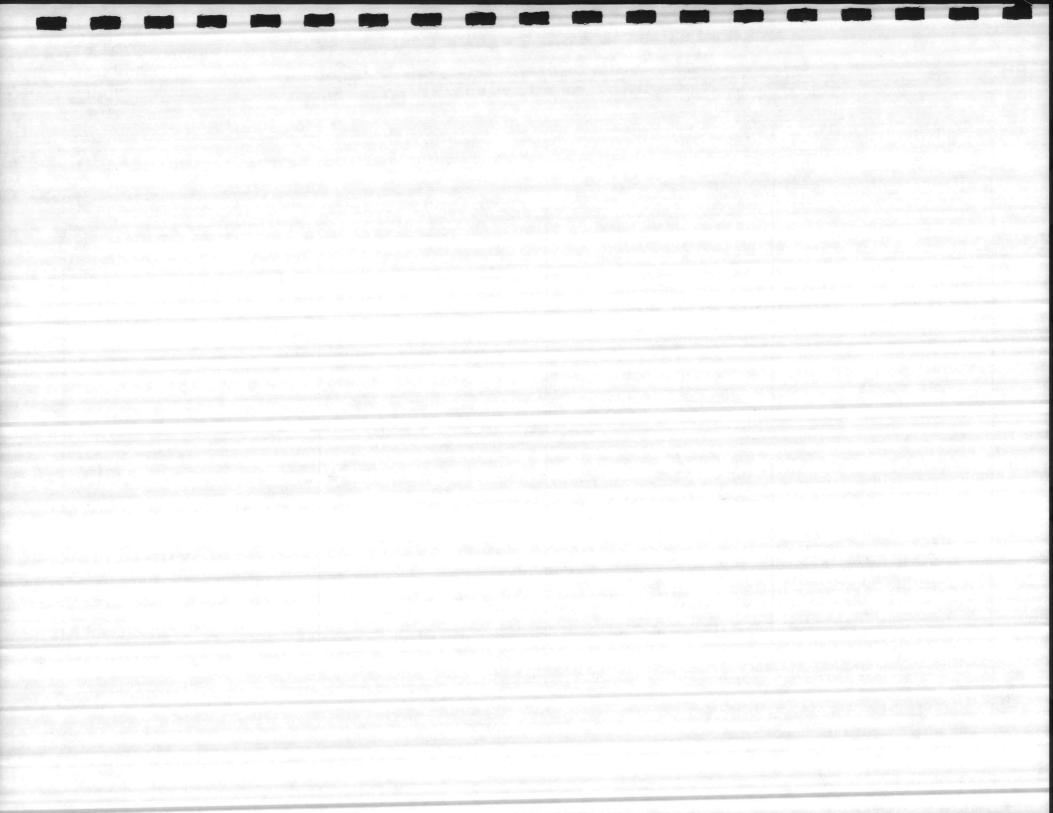
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
estrictions on Range Use	NA		
Environmental			
FAA	A CONTRACTOR OF THE PROPERTY O		
Noise			Friends Committee Co
Pyrotechnics/Flare Time of Day			
Time of Year		The state of the s	
Other			
		the first out to the second of	
designation of the property of the contract of			
		the state of the s	
		경기 되었다면서 열리는 내용이 밝혔다. 됐다.	



CUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102 CANGE NAME AND LOCATION: GP-14, MCB, Camp Lejeune, NC	TYPE RANGE FACILITY:
	X Live-Fire Full Caliber
	Live-Fire Subcaliber
RANGE NAME AND LOCATION: GP-14, MCB, Camp Lejeune, NC	Simulator
Gun Position	Maneuver Area
INSTRUCTIONS:	Associated Air Space
One form for each range/facility/simulator	Other
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) Primary Direction of Fire Associated Air Space Coordinates	100 X 340 yds 4880 MILS/274 degrees 17,999 ft; 399 sq km TP97013490		
Safety Buffer Rear (km)	NA		
Number of Firing Points/ Stations	6		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area			

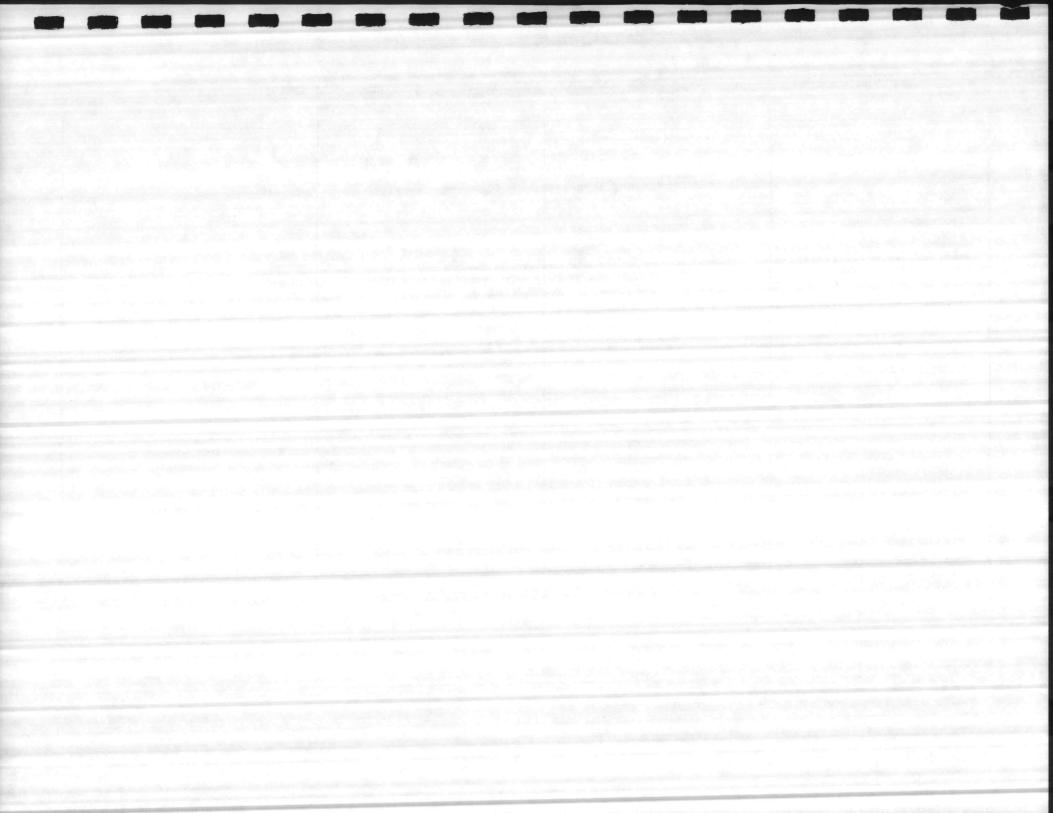
FILE NAME: LP010093
PAGE 1 OF 6 DATE: 03/05/87



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 .		

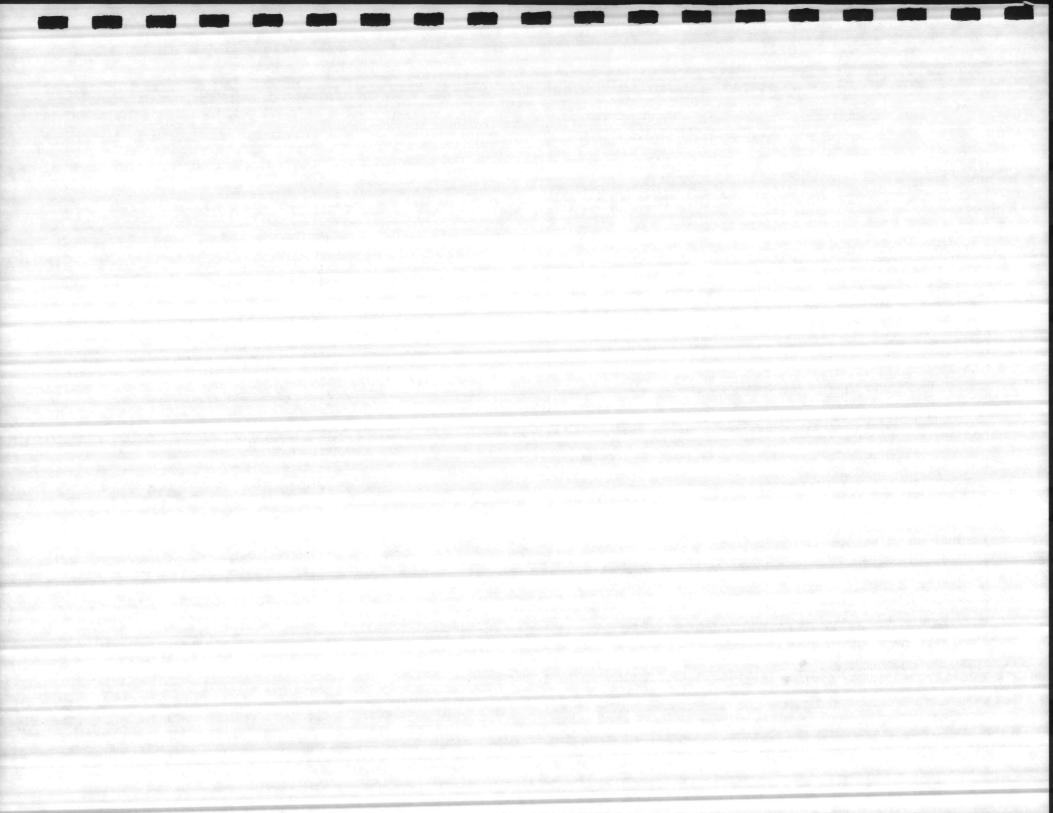
FILE NAME: LP010093
PAGE 2 OF 6 DATE: 03/05/87

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	105-mm, 155-mm, 8-in		
Climate Seasonal Tropic Temperate	Control of the Contro		
Arctic Desert All-Weather (Indoor) Other		NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp	85 5		
Percentage Desert Percentage Beach Percentage Level Percentage Water		NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh	85 	NOT APPLICABLE	NOT APPLICABLE
Percentage Loamy			

FILE NAME:	LP010093		
PAGE 3 OF 6	DATE: 03/05/87	RANGE/FACTITTY MANAGER. D. J. Haghagen Sr.	

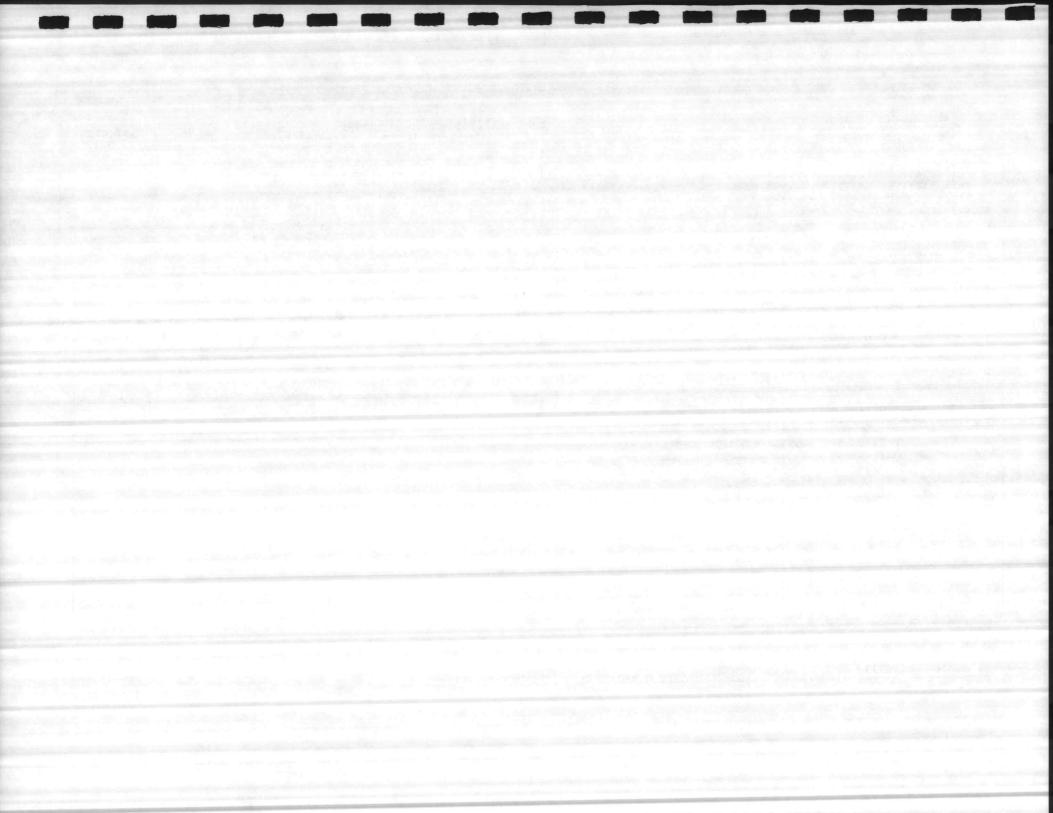


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy			
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas			
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	Yes		

FILE	NAME:	LP010093

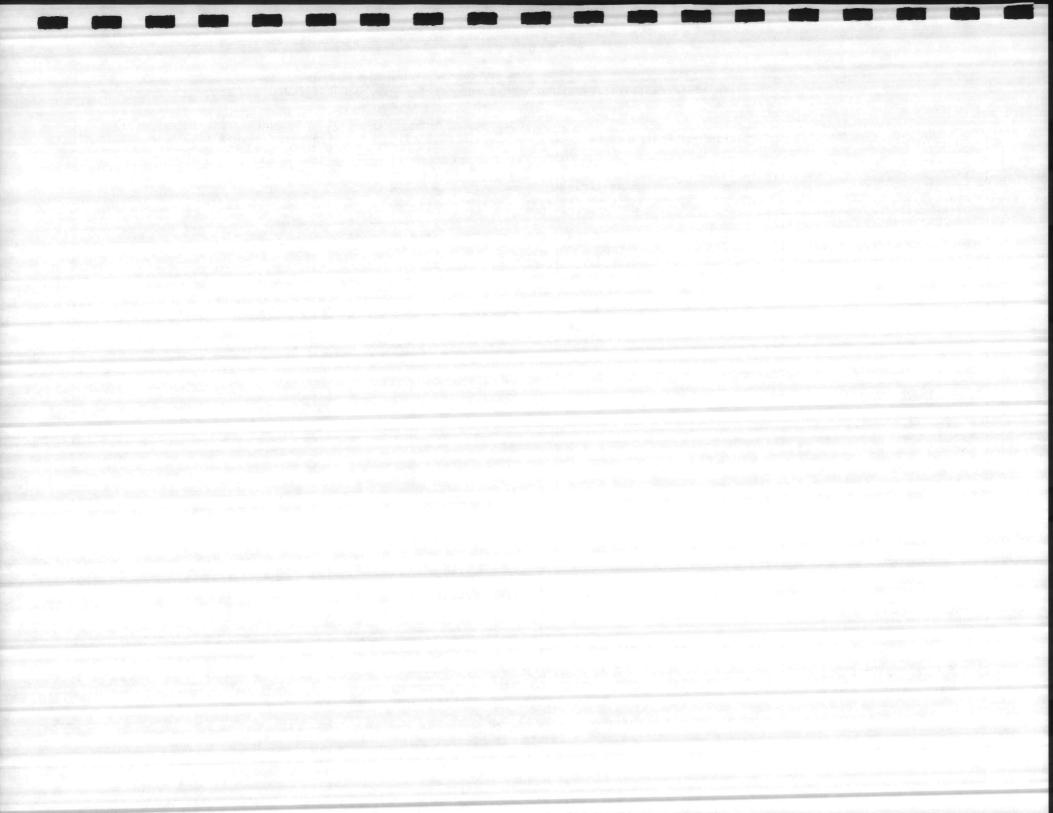
PAGE 4 OF 6 DATE: 03/05/87

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	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		

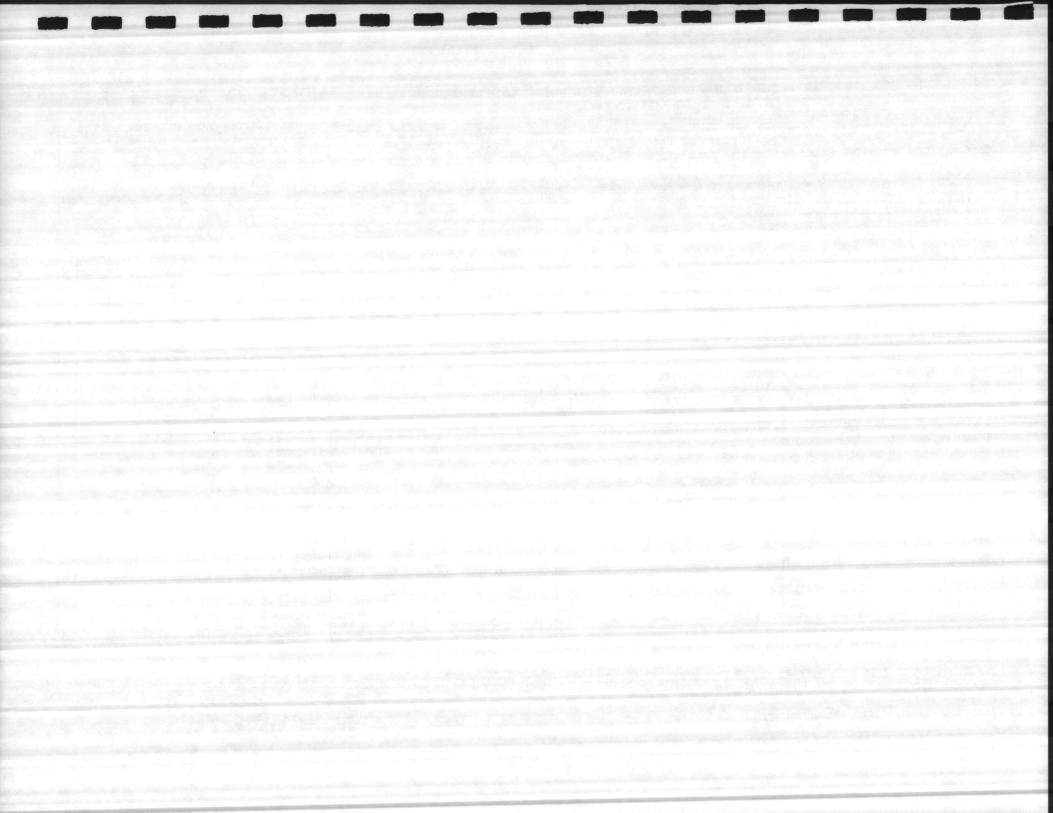
FILE NAME: LP	010093		
PAGE 5 OF 6	DATE: 03/05/87	RANGE/FACILITY MANAGER: D. J. Hashagen, Sr	LFRTS-P-0001



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
estrictions on Range Use Environmental	NA		

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

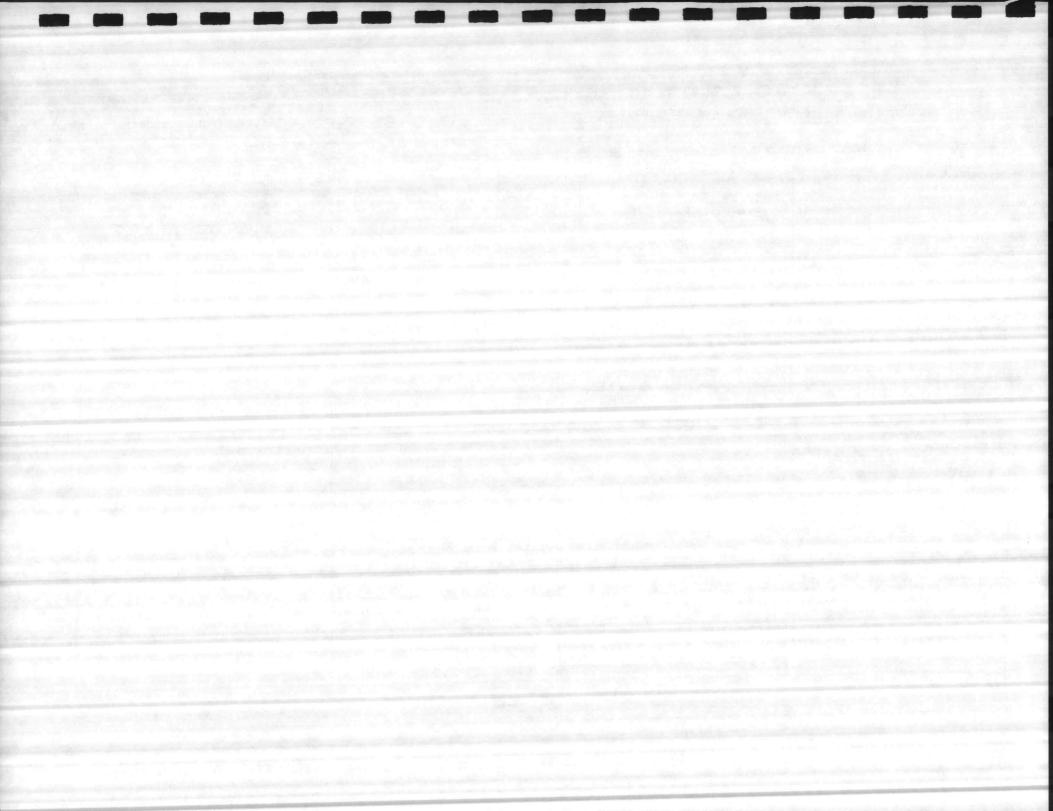


SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY: Live-Fire Full Caliber Live-Fire Subcaliber
RANGE NAME AND LOCATION: GP-21, MCB, Camp Lejeune, NC Gun Position INSTRUCTIONS: One form for each range/facility/simulator Fill in data elements as appropriate	Simulator Maneuver Area Associated Air Space Other
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) Primary Direction of Fire Associated Air Space Coordinates	120 X 260 yds 640 MILS/36 degrees 17,999 ft; 399 sq km TP88623076		
Safety Buffer Rear (km)	NA		
Number of Firing Points/ Stations	6		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area			

FILE NAME: LP010094 PAGE 1 OF 6 DATE: DATE: 03/05/87

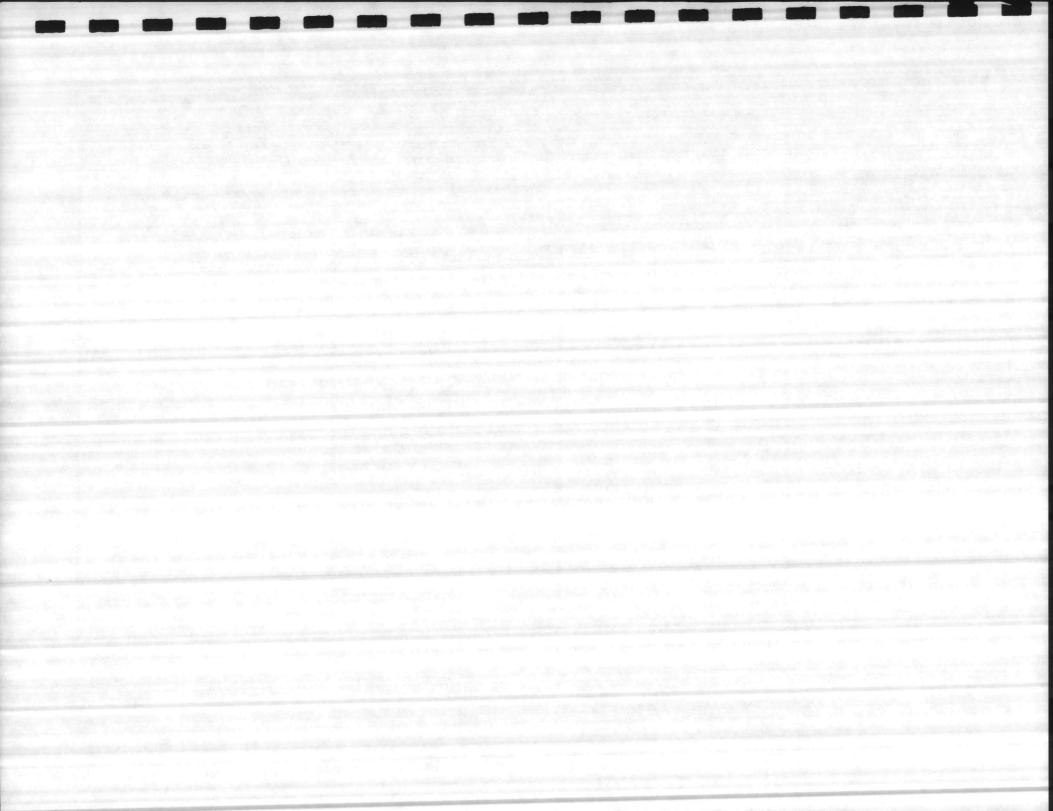
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
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	NA		
Are There Associated Simulation Devices? Yes, No, NA	NA		

FILE NAME: LP010094
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RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

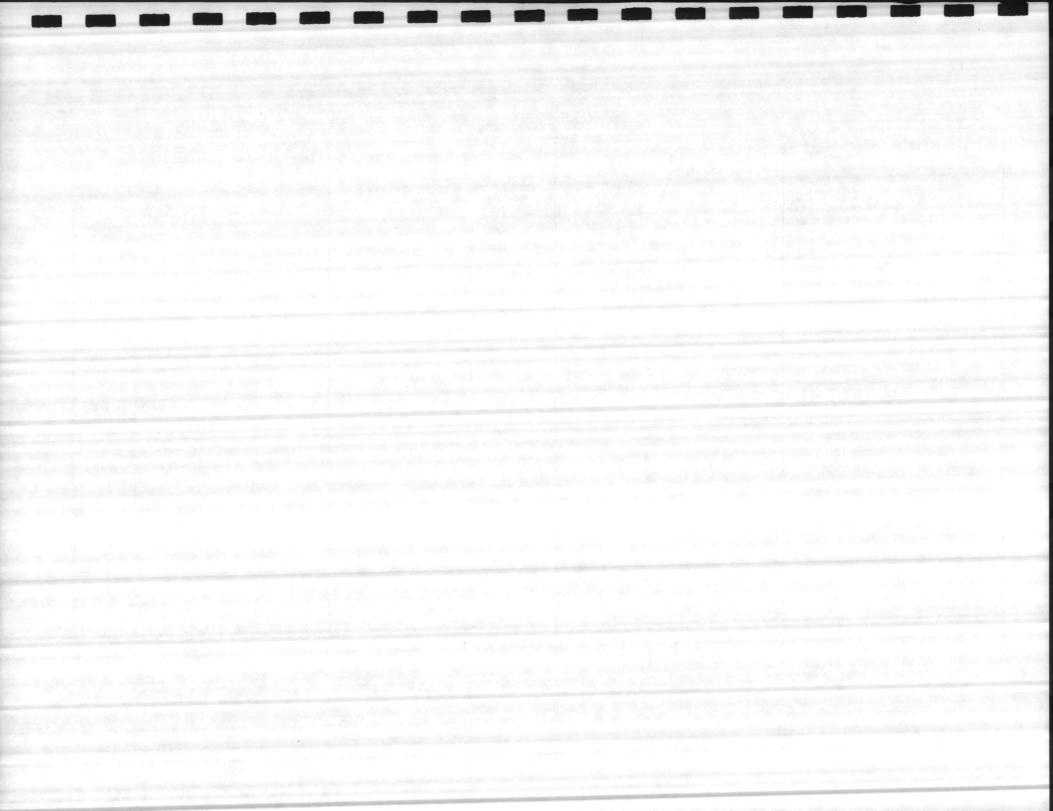


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	105-mm, 155-mm, 8-in		
Climate Seasonal		NOT APPLICABLE	NOT APPLICABLE
Perrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	95 5 	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	95 	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010094
PAGE 3 OF 6 DATE:

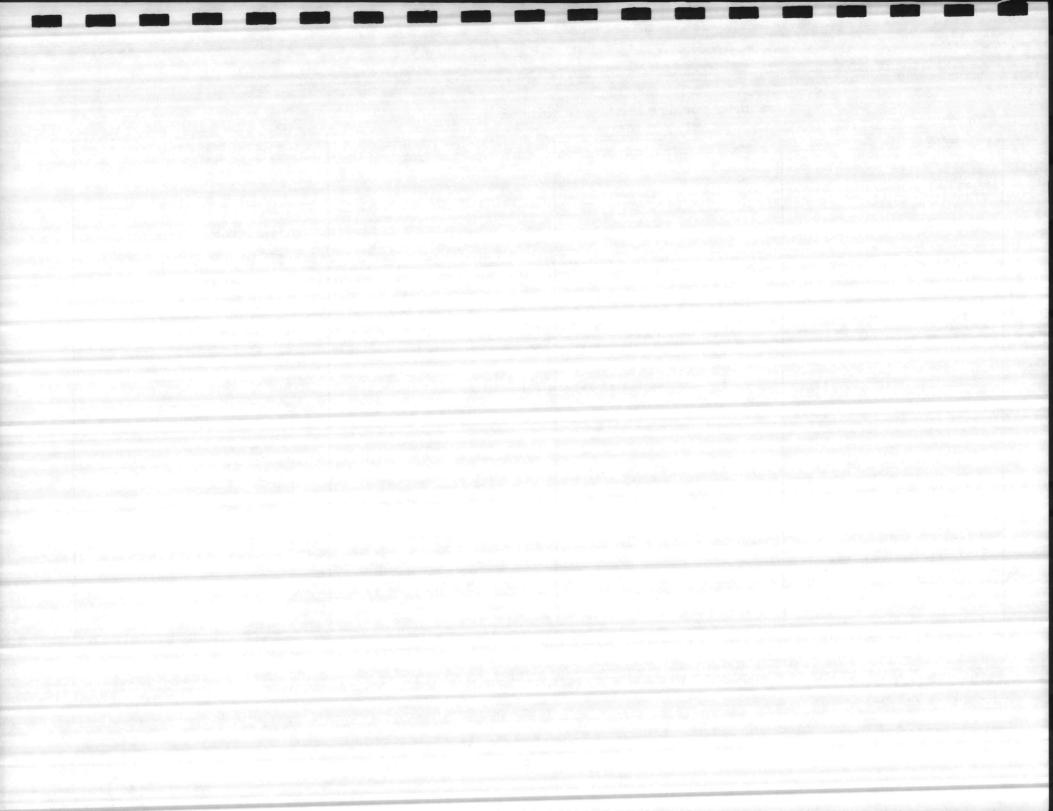
DATE: 03/05/87

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	5 95		
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)	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	Undefined	•••••••	
Number of Days per Year the Range/Facility is Available	355		
Is Range/Facility Capable of Nighttime Use? Yes, No	Yes		

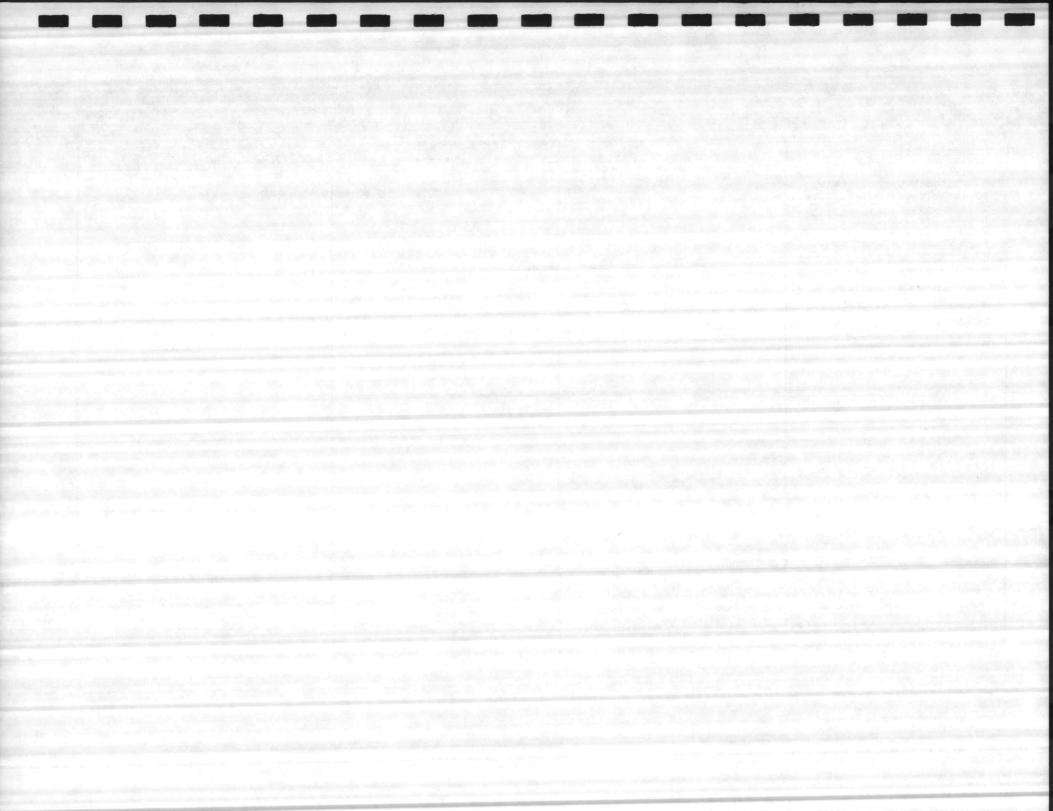
FILE NAME: LP010094
PAGE 4 OF 6 DATE: 03/05/87



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Maintenance	10 10 TLZ Dodo, TLZ Hawk	0	0
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	NA NA		
Are There Site-unique Requirements Placed on Using Units? Yes, No, Explain	NA		

FILE NAME: LP010094
PAGE 5 OF 6 DATE: 03/05/87

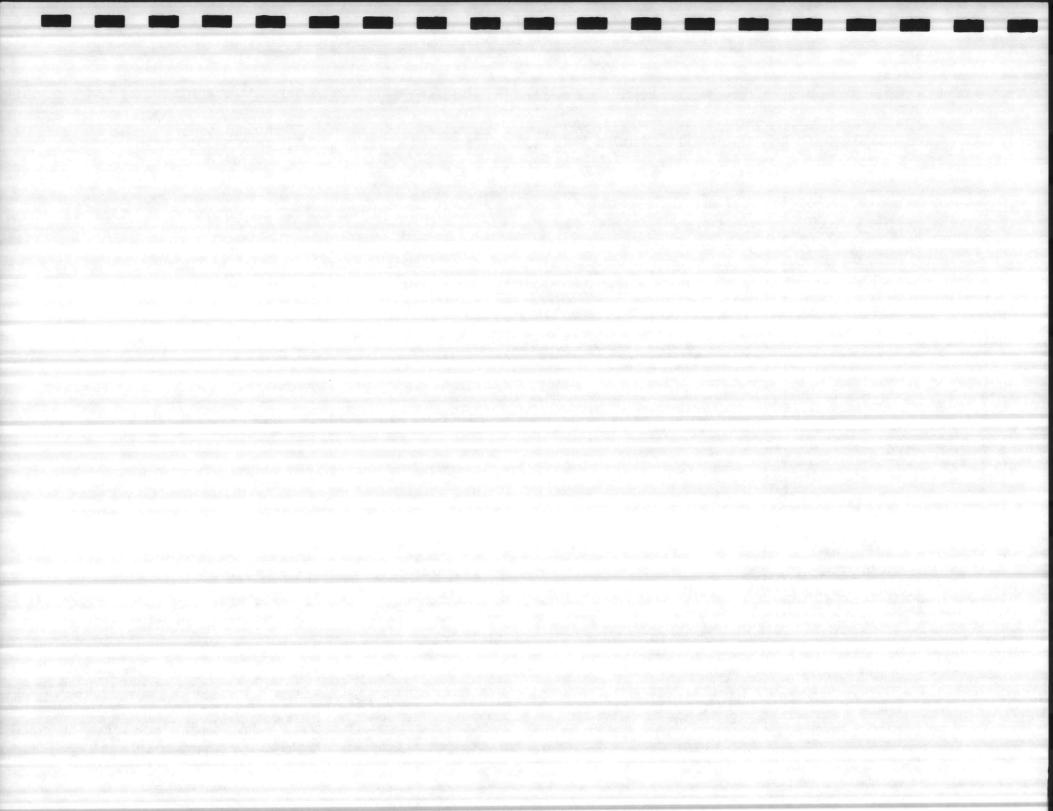
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Restrictions on Range Use EnvironmentalAICUZ. FAA. Noise	X Woodpecker habitat		
Gas/Chemical			
		-	

FILE NAME: LP010094
PAGE 6 OF 6 DATE: 03/05/87

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



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

TYPE RANGE FACILITY:

X Live-Fire Full Caliber Live-Fire Subcaliber

Simulator

Gun Position
INSTRUCTIONS:

-- One form for each range/facility/simulator

-- Fill in data elements as appropriate

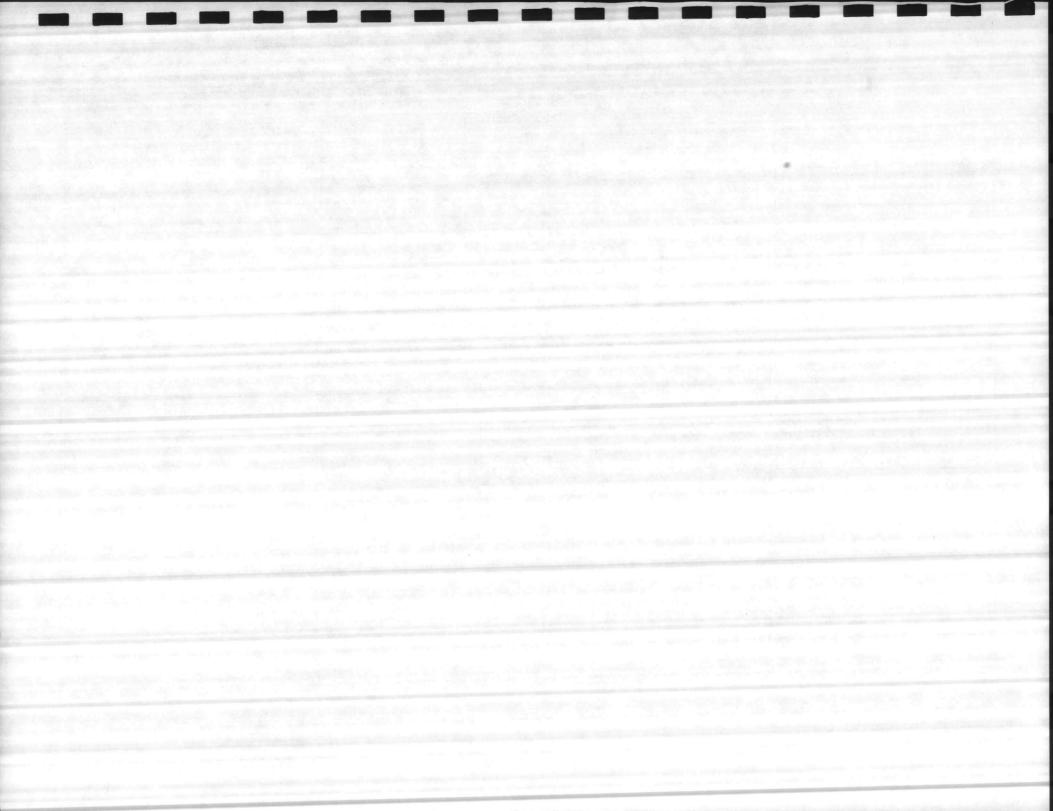
-- Use right column for new or improved ranges needed

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km) Primary Direction of Fire Associated Air Space	230 X 270 yds 100 MILS/6 degrees (G-10) 9060 MILS/284 degrees (K-2) 17,999 ft; 399 sq km		
	TP91843085		
Safety Buffer	NA		
Rear (km)			
Number of Firing Points/ Stations	6		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station. Parking Area Viewing Area			

FILE NAME: LP010095

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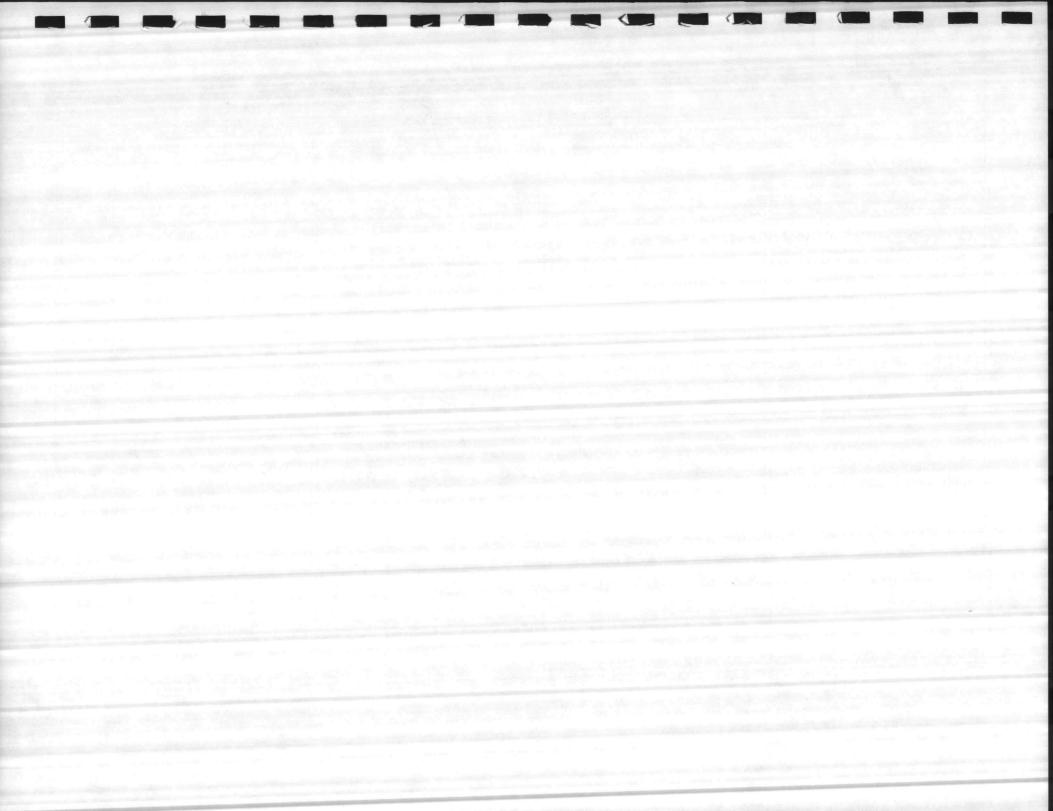
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



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			
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Target Types Pop-up Stationary Moving Revolving	NA		
Are There Associated Simulation Devices? Yes, No, NA	NA NA		

FILE NAME: LP010095 PAGE 2 OF 6 DATE: 03/05/87

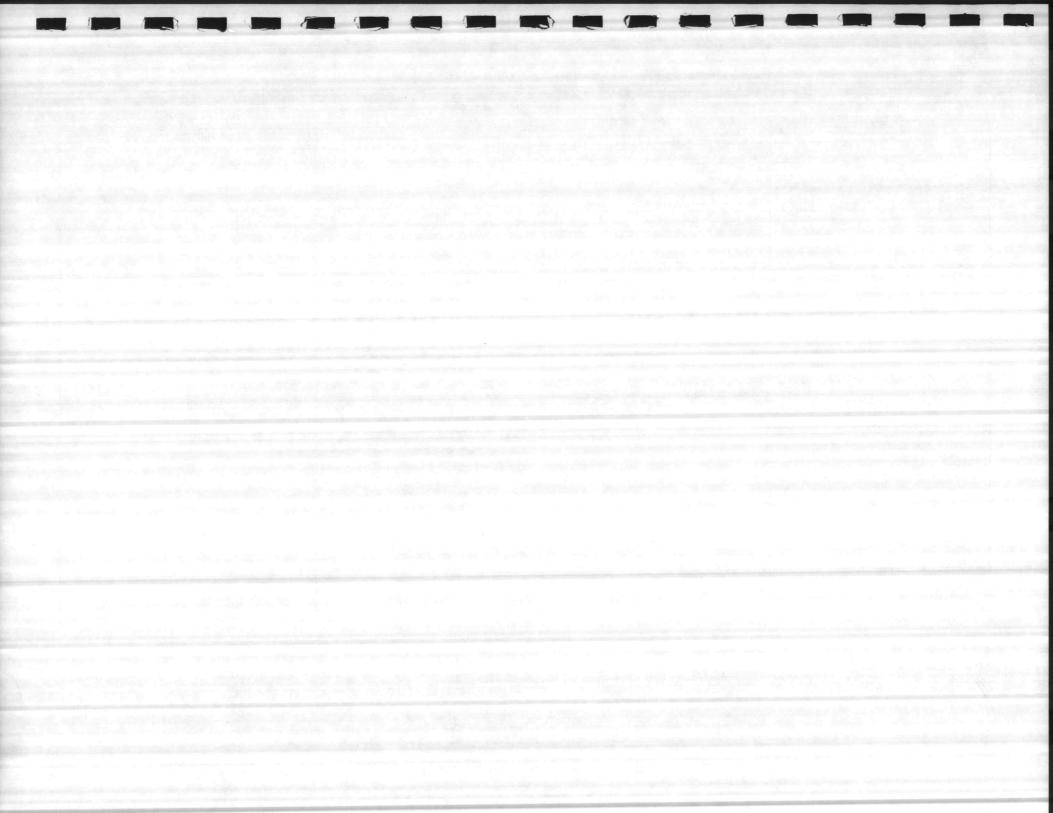
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	 105-mm, 155-mm, 8-in		
Climate Seasonal Tropic Temperate		NOT APPLICABLE	 NOT APPLICABLE
Desert. All-Weather (Indoor)		NOT APPLICABLE	
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert	75 	NOT APPLICABLE	NOT APPLICABLE
Percentage Beach Percentage Level Percentage Water	 25		
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	100 	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010095
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RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

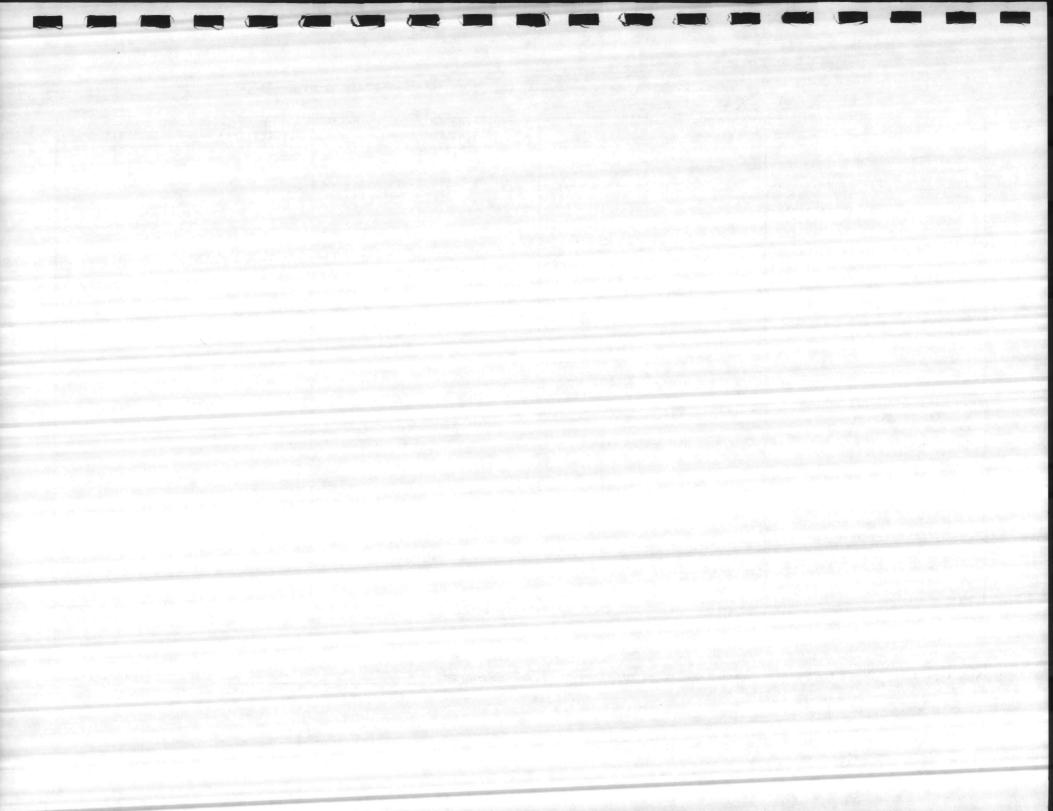


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy			
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
Distance from Supply Points POL (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	Yes		

F	ILE	NAME:	LP010095	

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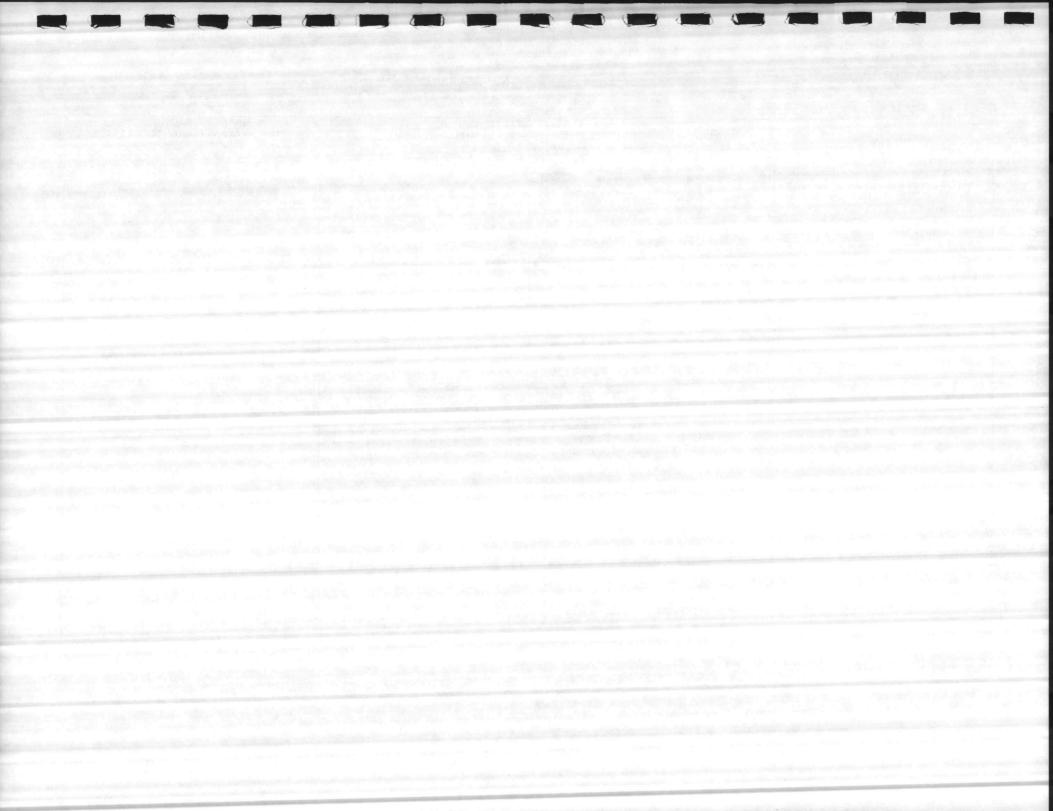
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
	10	0	0
Other Ranges Which Must Be Closed When This Range is in Use	TLZ Goose .		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	NA .		
Are There Site-unique Requirements Placed on Using Units? Yes, No, Explain	NA NA		

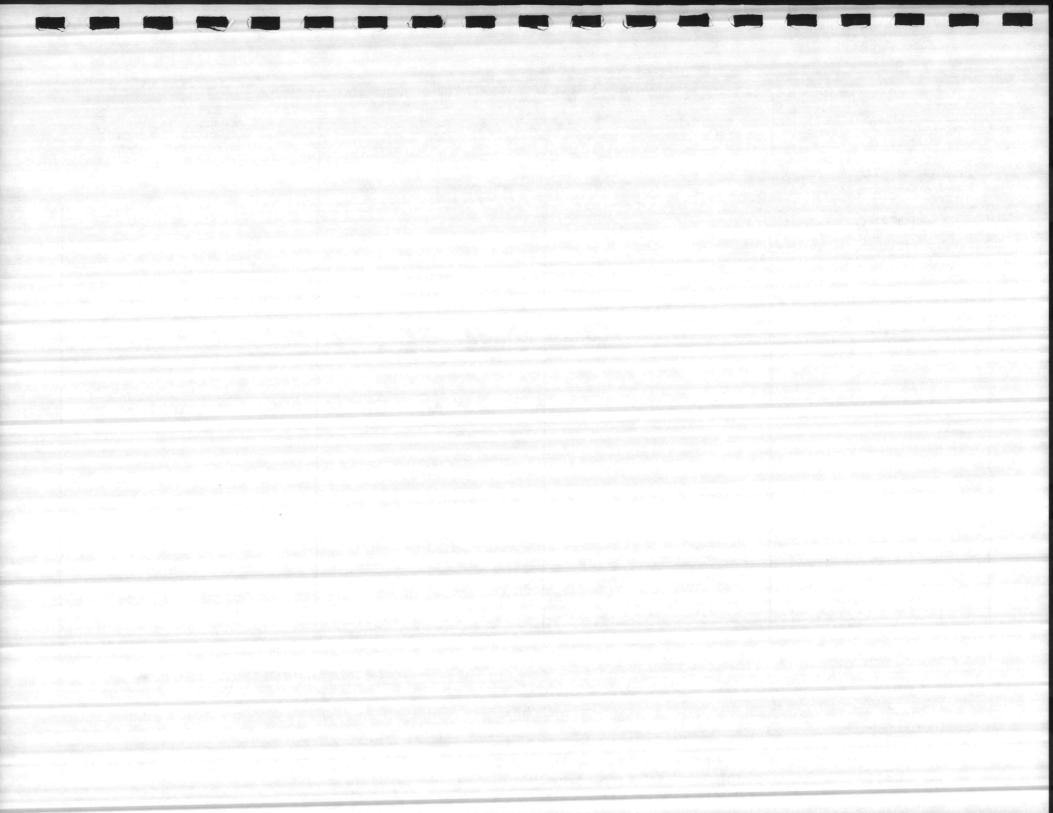
FILE NAME:		LP010095			
PAGE	5	OF	6	DATE:	03/05/87

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 EnvironmentalAICUZFAA.	NA		
Noise			
Time of YearOther			
LE NAME: LP010095			

DATE: 03/05/87



SUBMITTED BY: D. J. Hashagen, S			TYPE RANGE FACILITY: X Live-Fire Full Caliber Live-Fire Subcaliber
ANGE NAME AND LOCATION: GP-24 un Position NSTRUCTIONS: - One form for each range/faci: - Fill in data elements as app - Use right column for new or	lity/simulator ropriate	SHITCHPATHO OR HEART CRANGES (INCLUDE PEAR)	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)	130 X 210 yds		
Primary Direction of Fire	860 MILS/46 degrees (G-10) 5700 MILS/321 degrees (K-2)		
Associated Air Space Coordinates	17,999 ft; 399 sq km TP85072836		
Other			
Safety Buffer	NA		
Rear (km)			
Number of Firing Points/ Stations	6		
Range Facilities			
Control Tower			
Aid Station Parking Area Viewing Area			

FILE NAME: LP010096
PAGE 1 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._

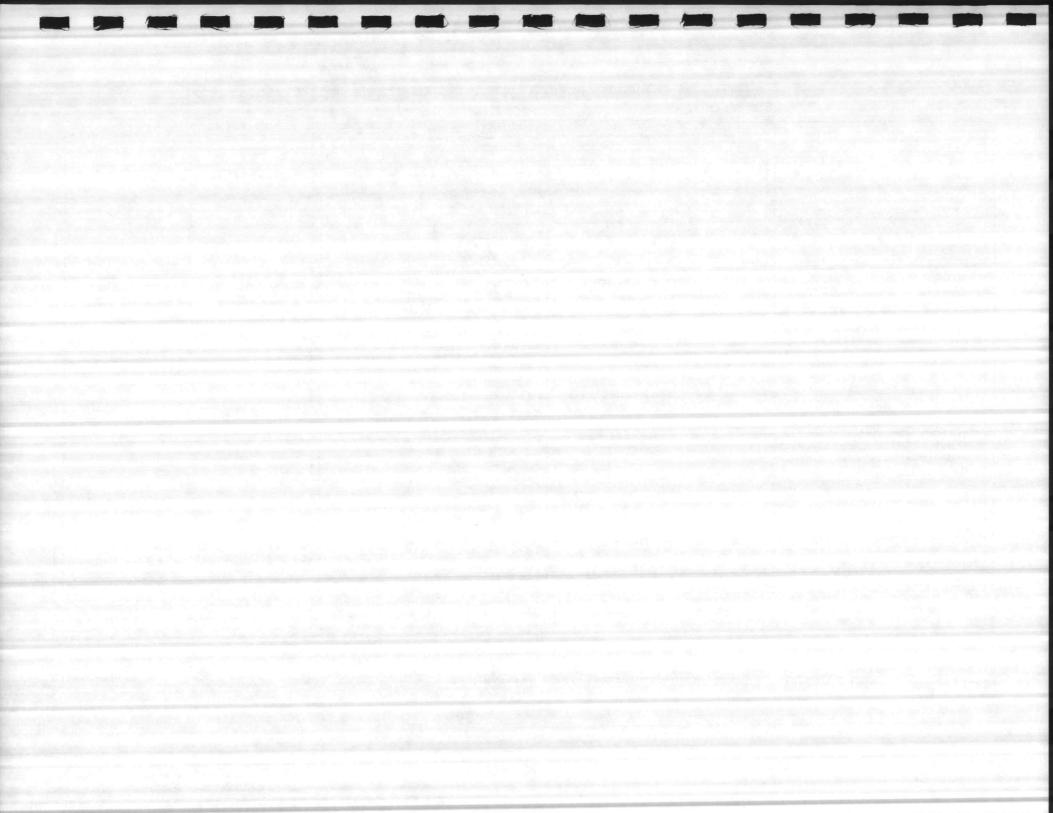
		Range Yacilities (continued) Demonstration Area Read Facility Ammunition Bunker Riedtrical System Classicom Sivoned Site	
		Accounting to the control of the con	
		Are There Augodialed Simulation Devices? Yes, No. No.	

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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	NA .		
Are There Associated Simulation Devices? Yes, No, NA	NA		

FILE	N	AME	:	LP010096		
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RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._

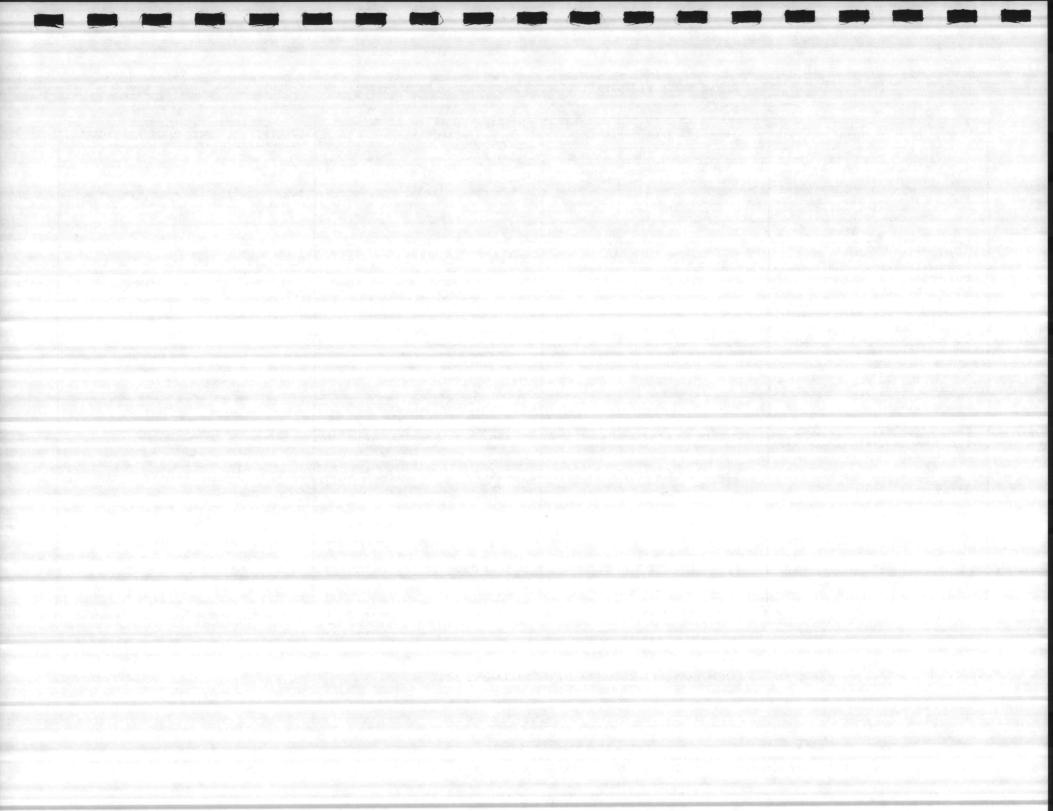


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESTRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	105-mm, 155-mm, 8-in		
Climate Seasonal			
Tropic Temperate Arctic Desert All-Weather (Indoor) Other		NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling	95		
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

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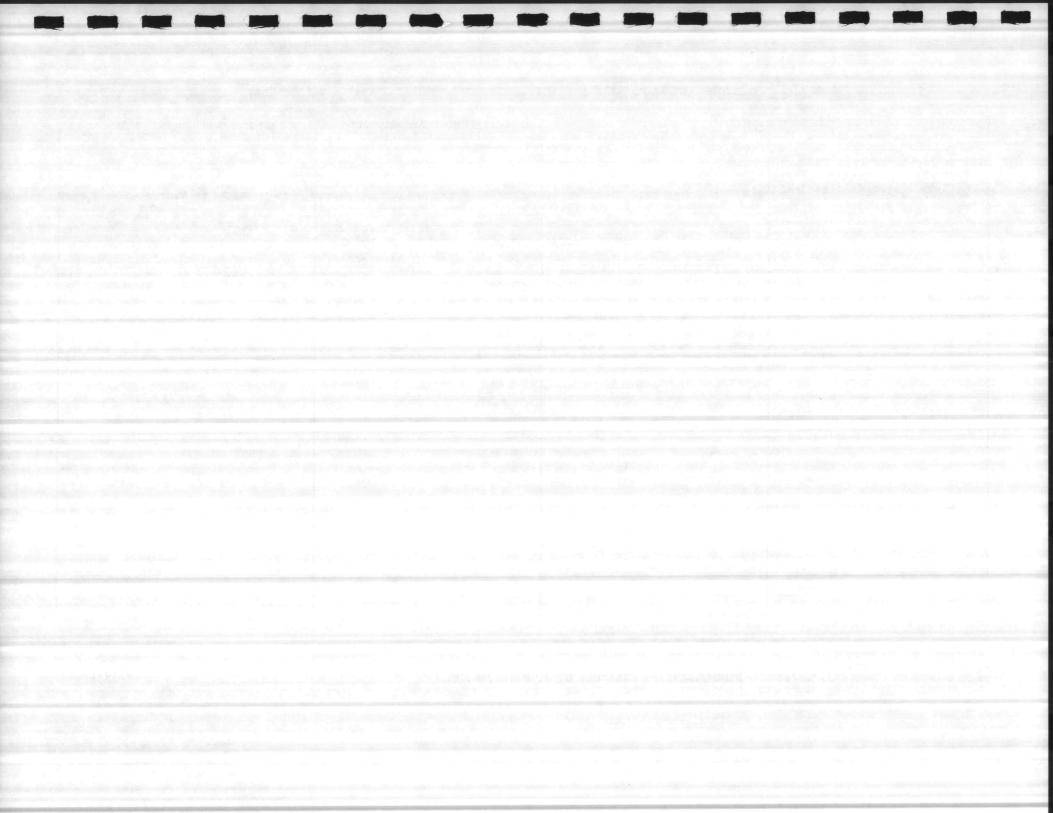


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy			
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
	13 10 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	Undefined		
Number of Days per Year the Range/Facility is Available	355		
Is Range/Facility Capable of Nighttime Use? Yes, No	Yes		

FILE	NAME:	LP010096

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

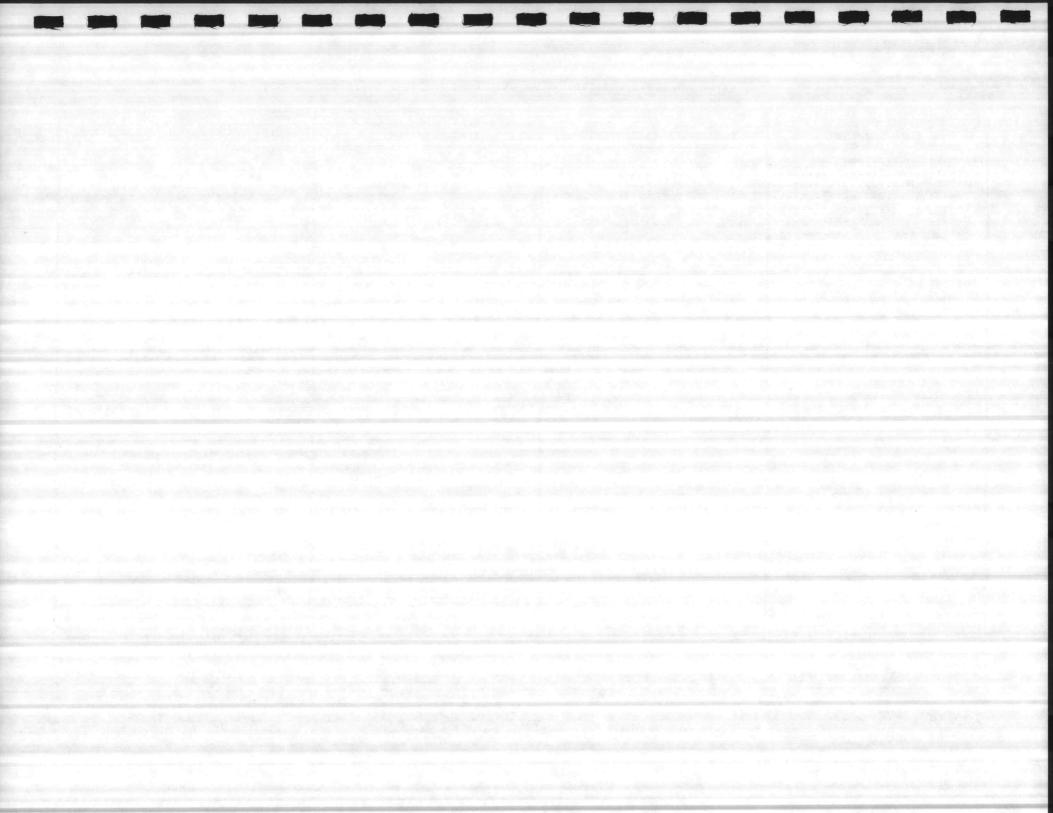


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays	10	0	0
Other Ranges Which Must Be Closed When This Range is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

F	ILE	NAME	:	LP	0	1	0	0	9	6

PAGE 5 OF 6 DATE: 03/05/87

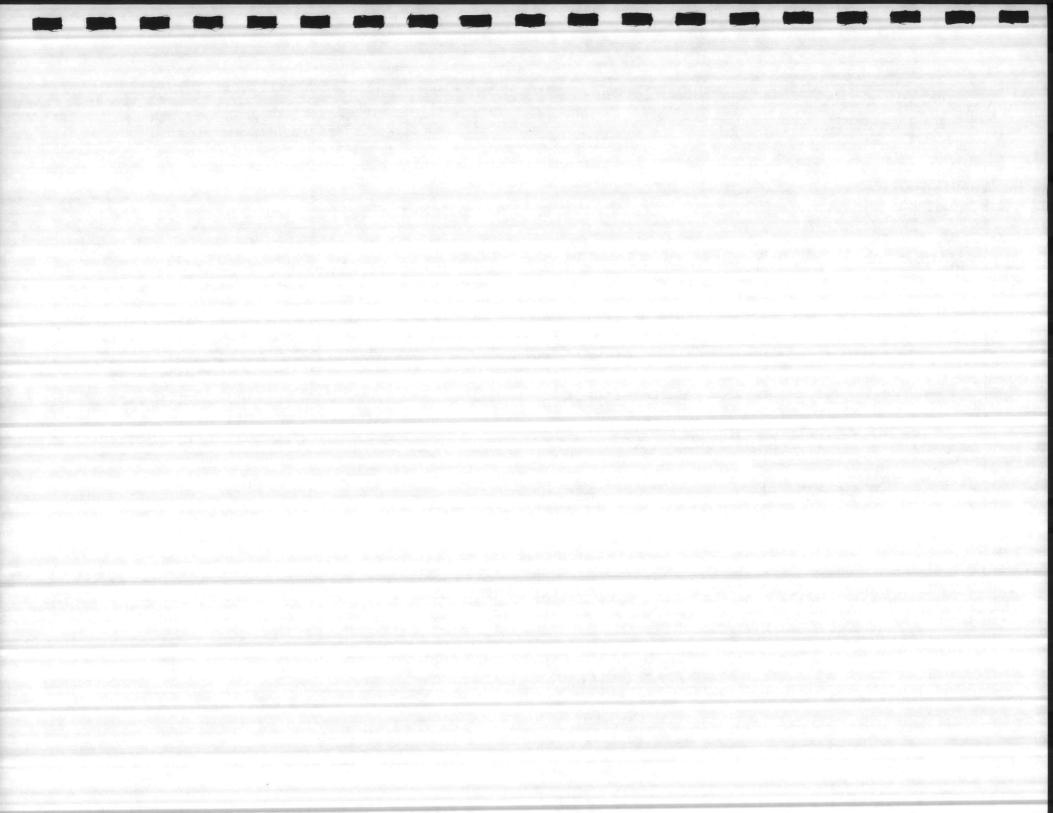
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



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

PAGE 6 OF 6 DATE: 03/05/8

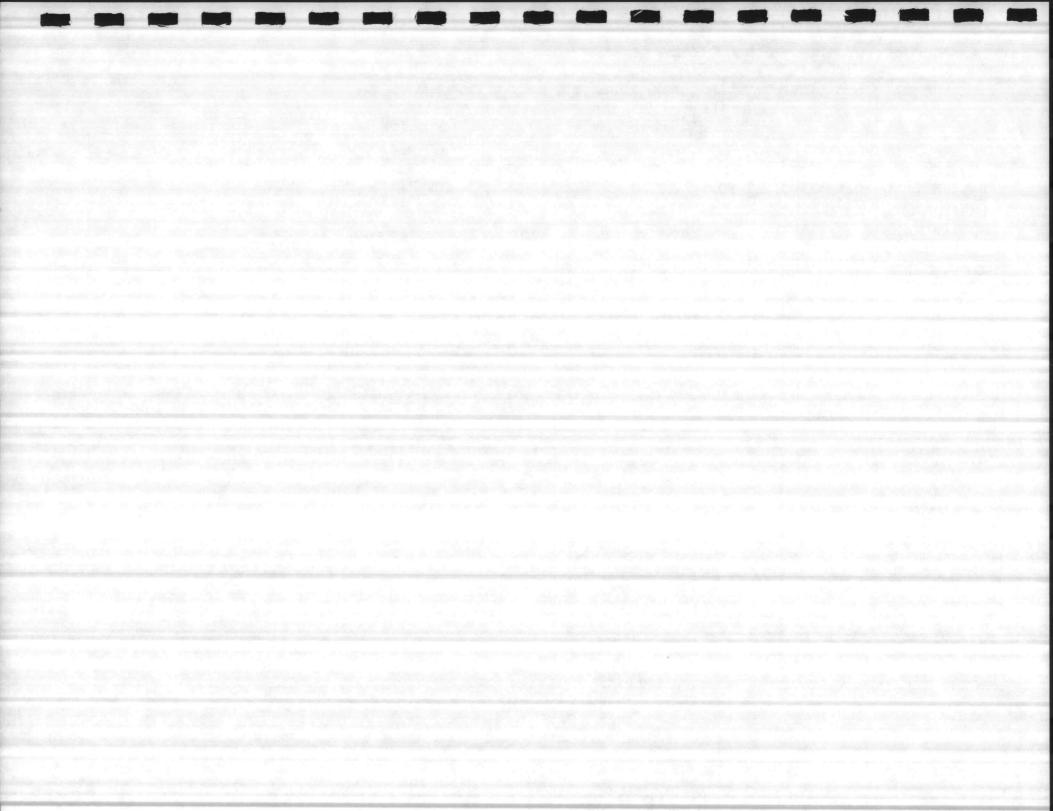
DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY:
그 없는데 있는 그렇게 있다면 있는 경우하는 이 나를 생각하는 생활하고 생활을 하는 물로 모르는 모든 모든 모든 모든 모든 점점을	X Live-Fire Full Calibe
	Live-Fire Subcaliber
	Simulator
RANGE NAME AND LOCATION: GP-25, MCB, Camp Lejeune, NC	
Gun Position	Maneuver Area
INSTRUCTIONS:	Associated Air Space
	Other
One form for each range/facility/simulator	Other
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) Primary Direction of Fire Associated Air Space Coordinates	75 X 120 yds 760 MILS/43 degrees (G-10) 5400 MILS/304 degrees (K-2) 17,999 ft; 399 sq km TP86182919		
Safety Buffer Rear (km)			
Number of Firing Points/ Stations	6		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area			

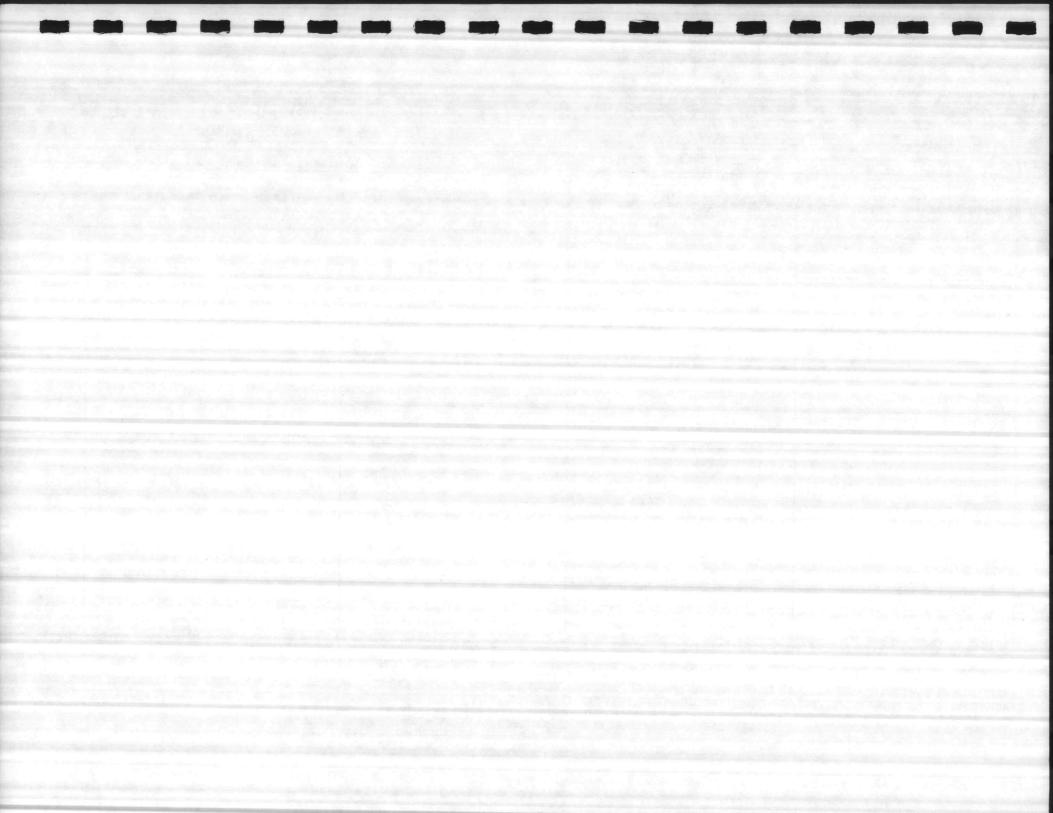
FILE NAME: LP010097
PAGE 1 OF 6 DATE: 03/05/87



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		

FILE NAME: LP010097
PAGE 2 OF 6 DATE: 03/05/87

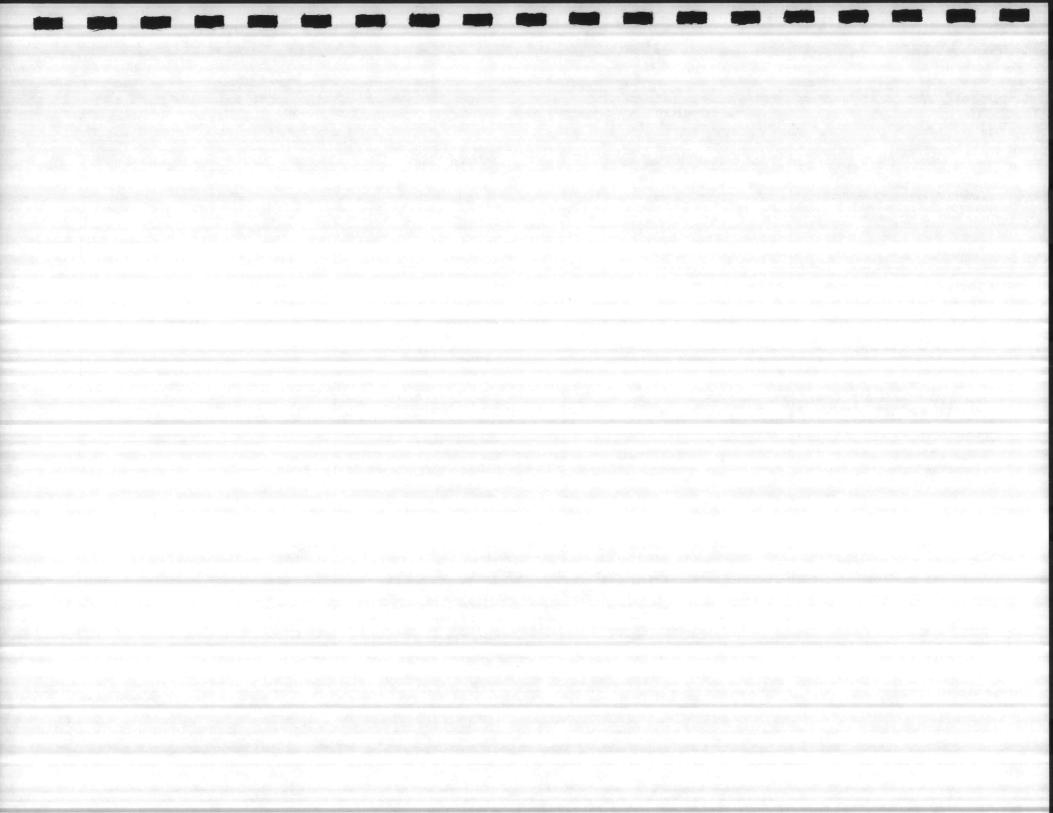
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	105-mm, 155-mm, 8-in		
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: LP010097 PAGE 3 OF 6 DATE: DATE: 03/05/87

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

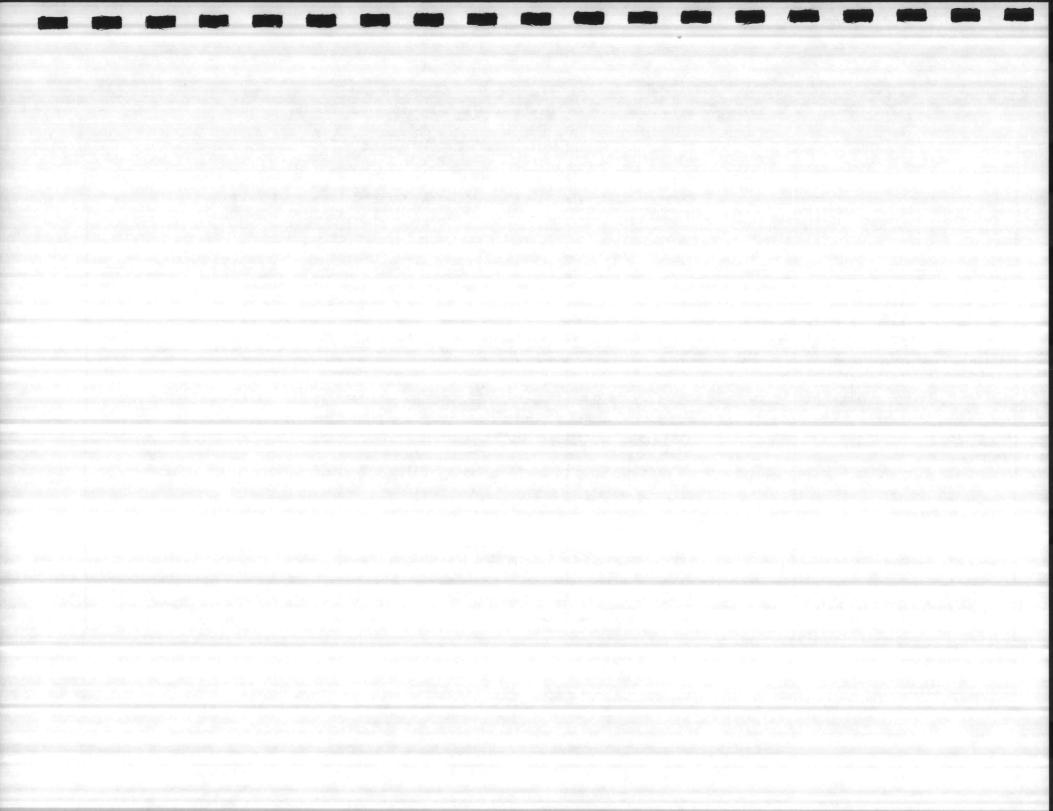


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	3		
Distance from Supply Points POL (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	Undefined		
Number of Days per Year the Range/Facility is Available	355		
Is Range/Facility Capable of Nighttime Use? Yes, No	Yes		

FILE	NAME:	LP010097

PAGE 4 OF 6 DATE: 03/05/87

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



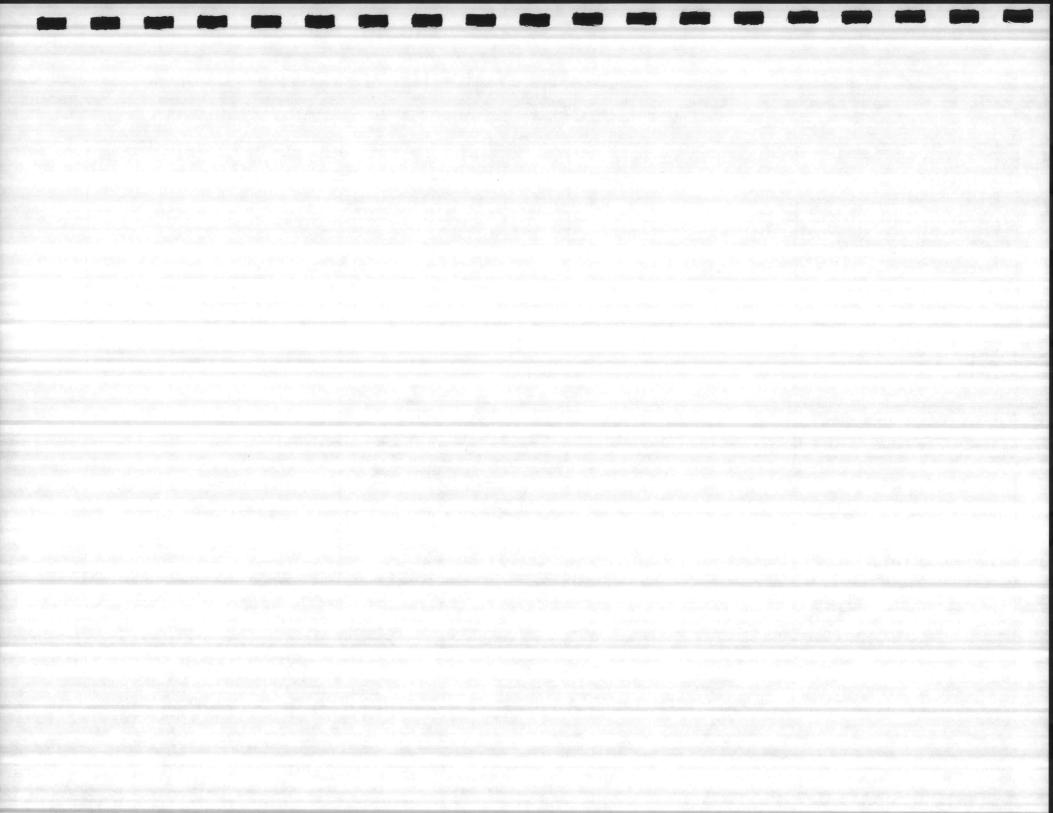
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays	10 10	0	
Other Ranges Which Must Be Closed When This Range is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

PILE	NAME:	LP010097

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

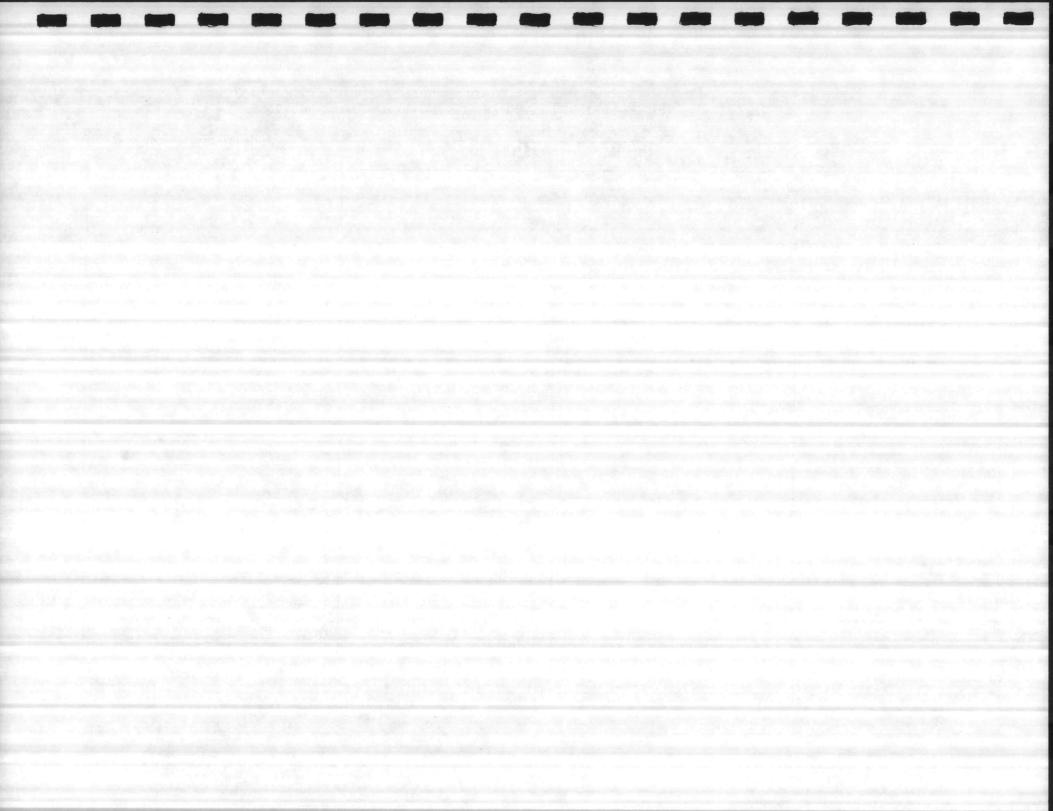
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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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 EnvironmentalAICUZ	NA		
Gas/Chemical Pyrotechnics/Flare Time of Day Time of Year			
Other			

FILE NAME: LP010097
PAGE 6 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

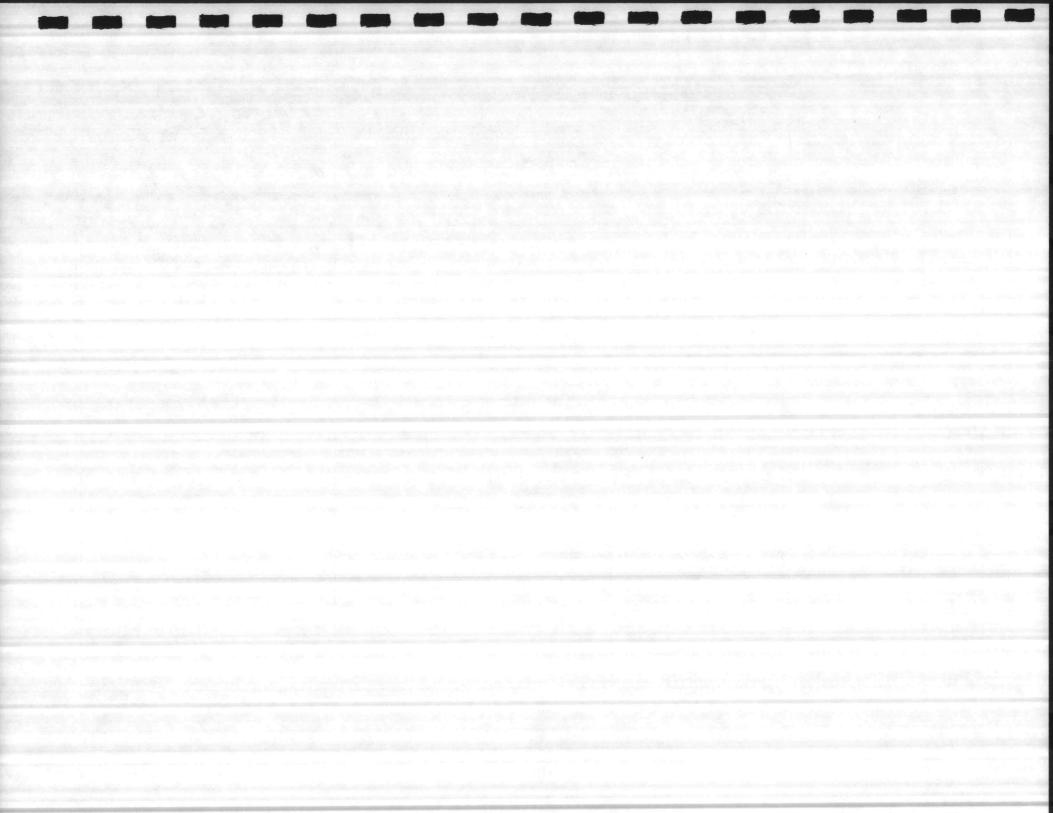


SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY: X Live-Fire Full Calibe Live-Fire Subcaliber
RANGE NAME AND LOCATION: GP-26, MCB, Camp Lejeune, NC Gun Position	Simulator Maneuver Area
INSTRUCTIONS:	Associated Air Space
One form for each range/facility/simulator Fill in data elements as appropriate	Other
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) Primary Direction of Fire Associated Air Space Coordinates	50 X 80 yds 450 MILS/25 degrees (G-10) 5100 MILS/285 degrees (K-2) 17,999 ft; 399 sq km TP90142946		
Safety Buffer Rear (km)	NA		
Number of Firing Points/ Stations	6		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area			

FILE NAME: LP010098
PAGE 1 OF 6 DATE: 03/05/87

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

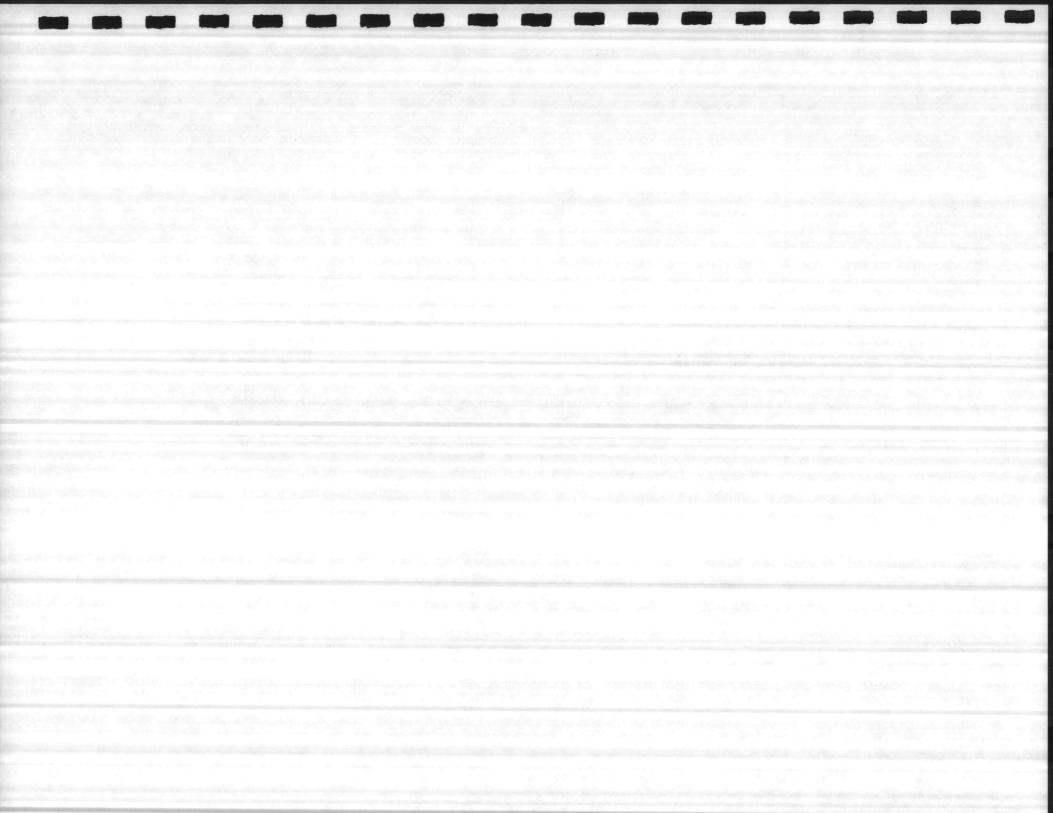


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site Other			
Telemetry Instrumentation 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		

FILE NAME: LP010098 PAGE 2 OF 6 DATE:

DATE: 03/05/87

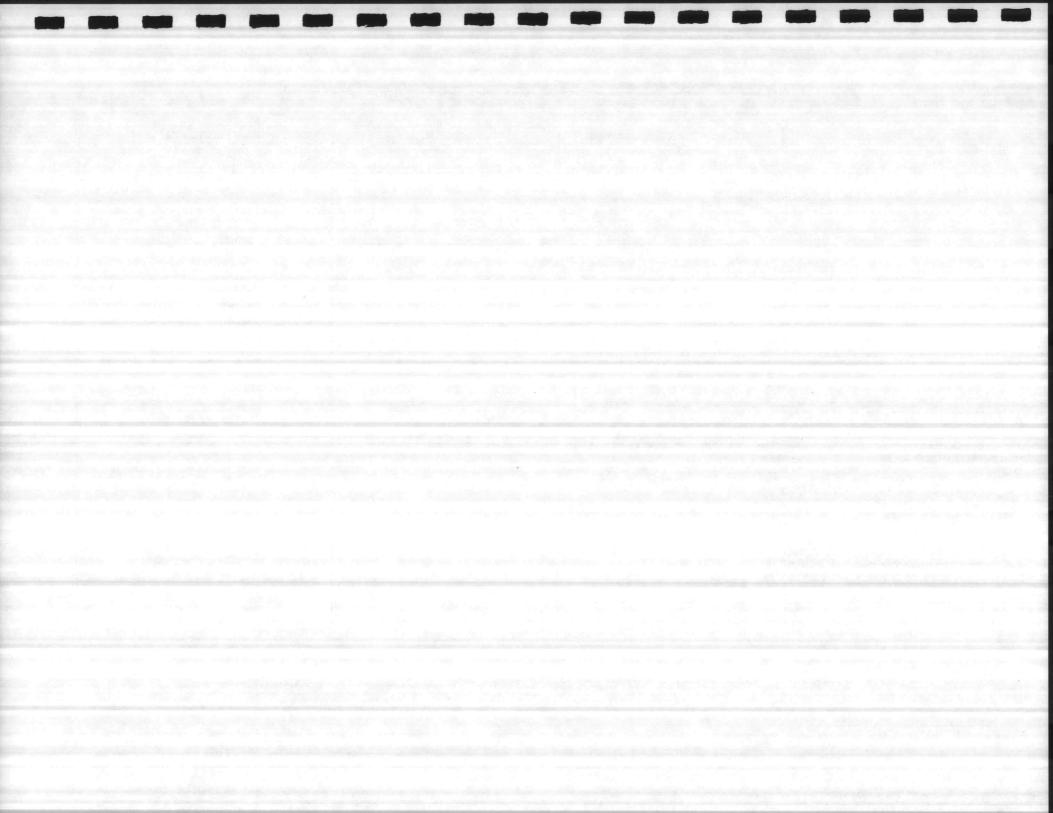
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	105-mm, 155-mm, 8-in		
Climate			
Seasonal		NOT APPLICABLE	NOT APPLICABLE
Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	9 8 2 	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	98 	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010098
PAGE 3 OF 6 DATE: 03/05/87

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



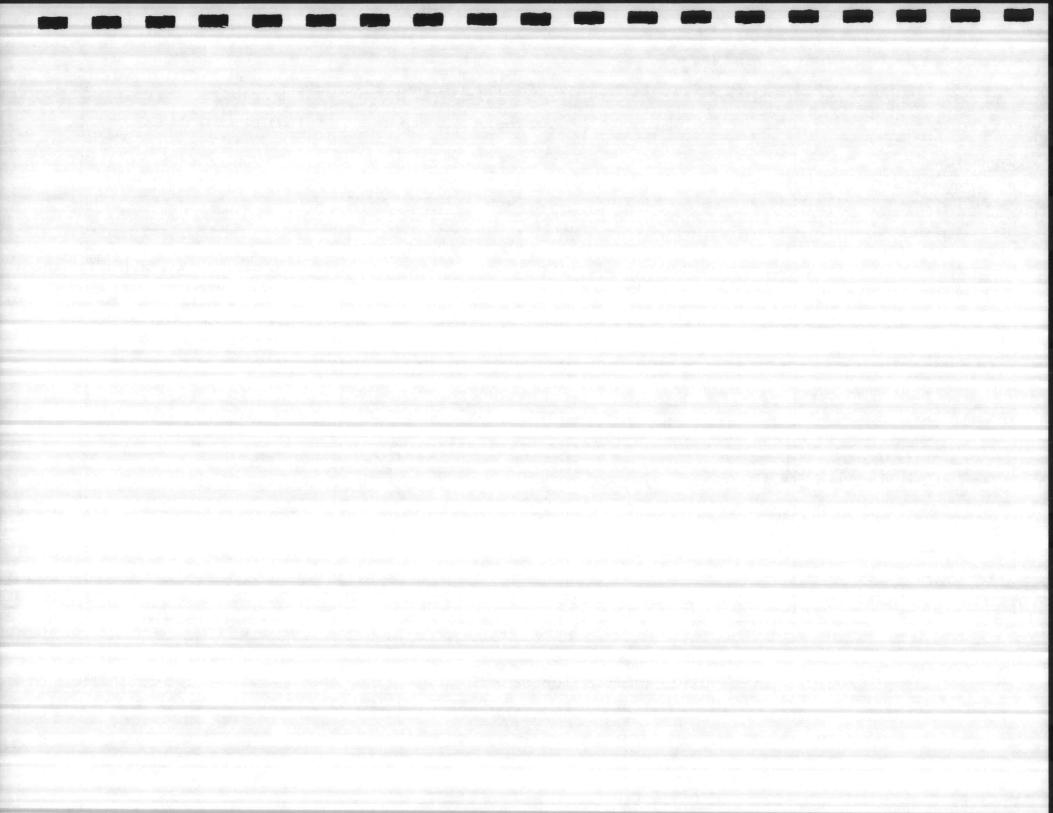
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy			
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	4		
Distance from Supply Points POL (km)	16		
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	Yes		

FILE	NAME:	LP010098

PAGE 4 OF 6 DATE: 03/05/87

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

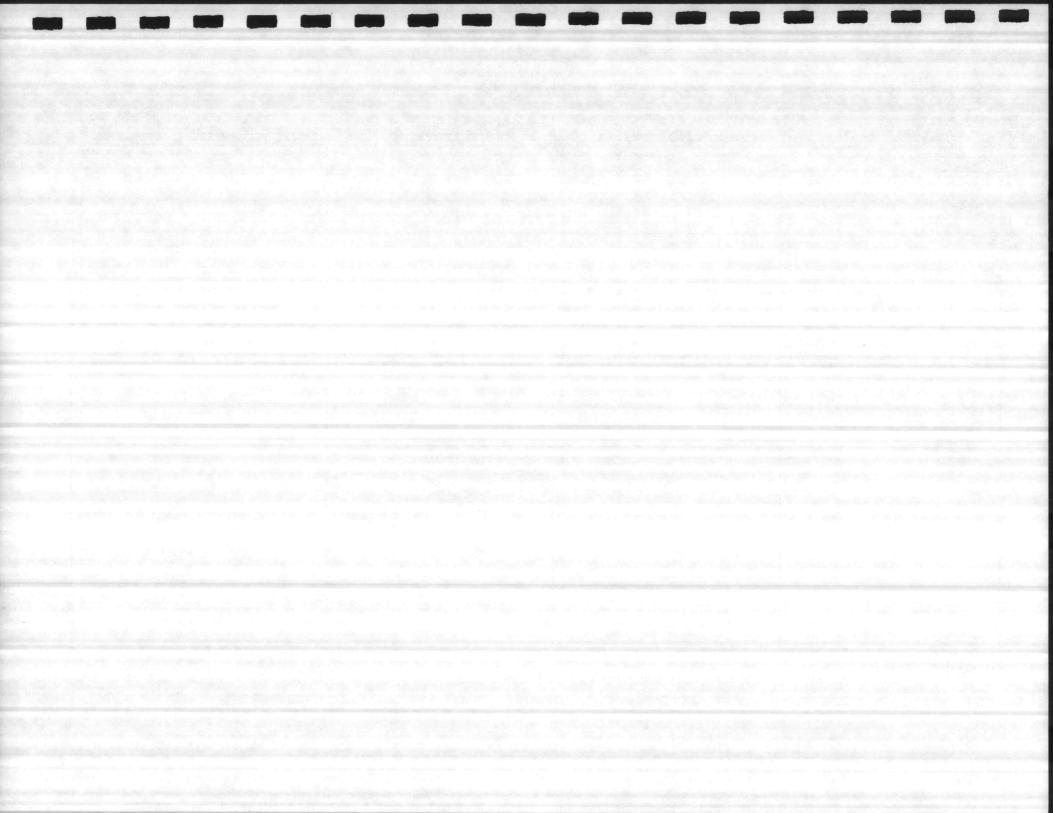
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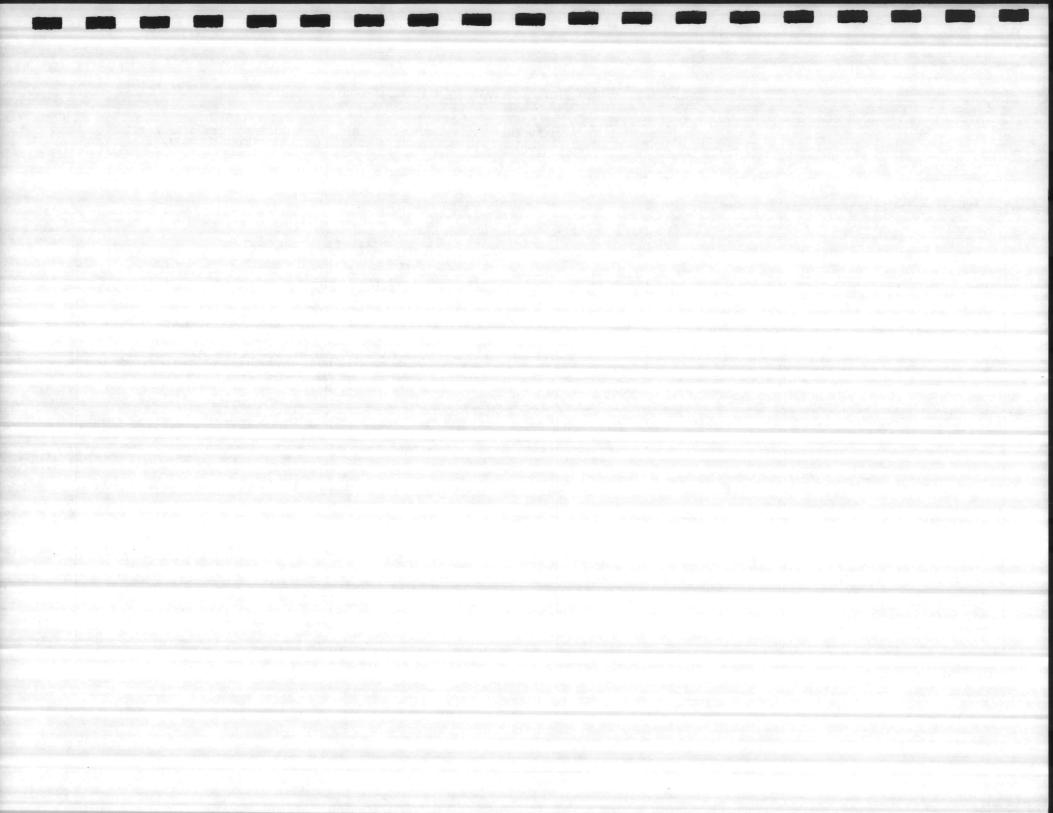
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total			0
Other Ranges Which Must Be Closed When This Range is in Use	TLZ Goose, TLZ Hawk		
Are There Site-unique Features (Waivers to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

FILE NAME:	LP01	0098
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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 EnvironmentalAICUZ	X Bordering woodpecker habitat		
FAA			
Pyrotechnics/Flare Time of Day Time of Year		•	
Other			
LE NAME: LP010098 AGE 6 OF 6 DATE: 03/05/87	RANGE/FACILITY MANAGER: D. J		LFRTS-P-0



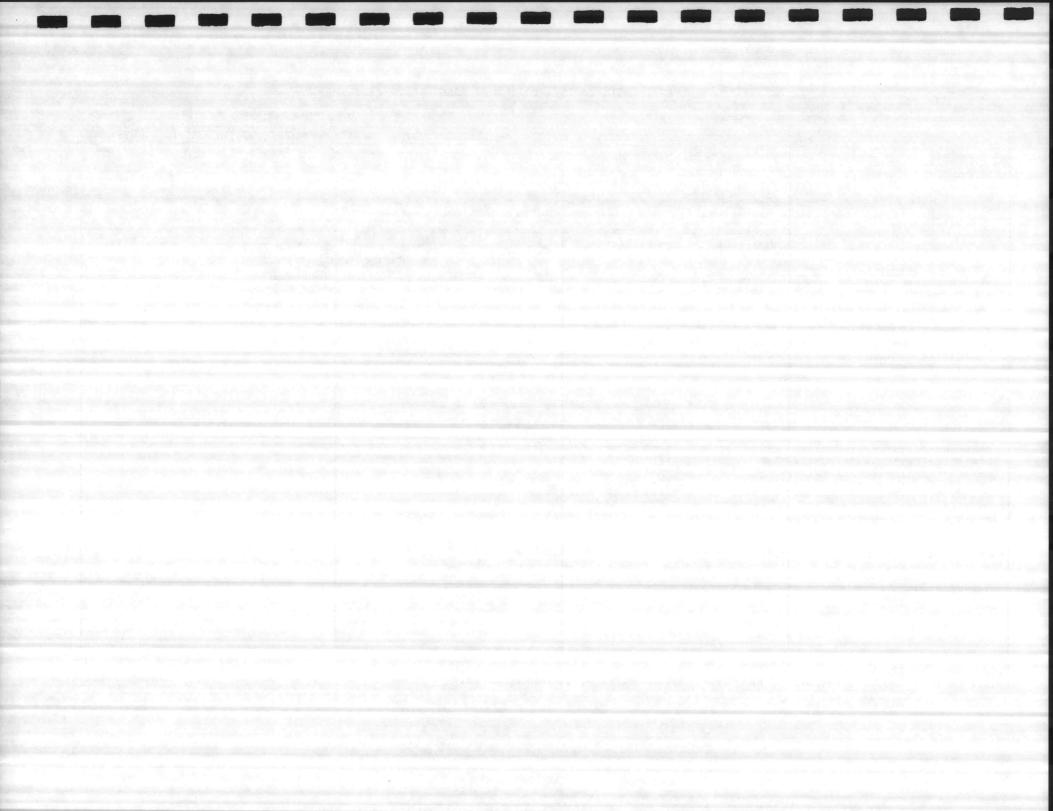
SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY: X Live-Fire Full Caliber
RANGE NAME AND LOCATION: GP-27A, MCB, Camp Lejeune, NC Gun Position INSTRUCTIONS:	Live-Fire Subcaliber Simulator Maneuver Area Associated Air Space
One form for each range/facility/simulator Fill in data elements as appropriate	Other
Use right column for new or improved ranges needed	

PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
70 X 170 yds 200 MILS/12 degrees (G-10) 5300 MILS/295 degrees (K-2) 17,999 ft; 399 sq km TP90692810		
6		
and it had been a first three to be a complete a chart		
	70 X 170 yds 200 MILS/12 degrees (G-10) 5300 MILS/295 degrees (K-2) 17,999 ft; 399 sq km TP90692810	PRESENT CHARACTERISTICS (INCLUDE YEAR) 70 X 170 yds 200 MILS/12 degrees (G-10) 5300 MILS/295 degrees (K-2) 17,999 ft; 399 sq km TP90692810 NA

FILE NAME: LP010099

PAGE 1 OF 6 DATE: 03/05/87

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

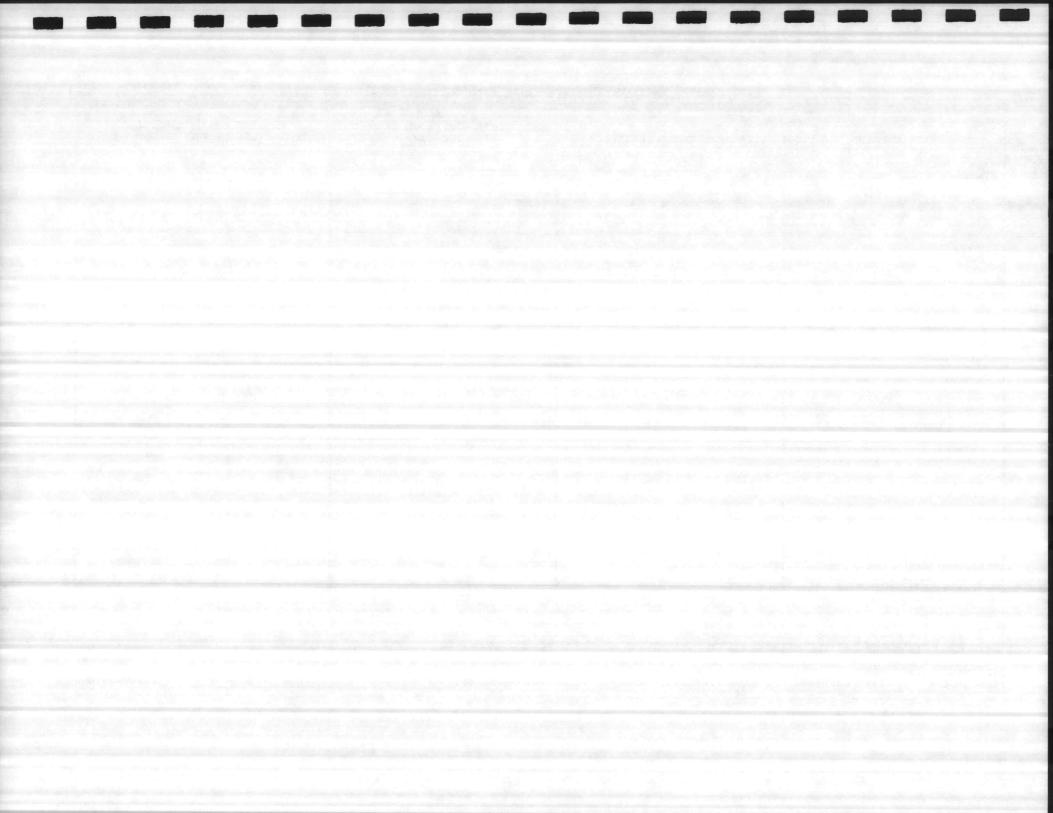


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site Other			
Telemetry Instrumentation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

FILE NAME: LP010099

PAGE 2 OF 6 DATE: 03/05/87

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



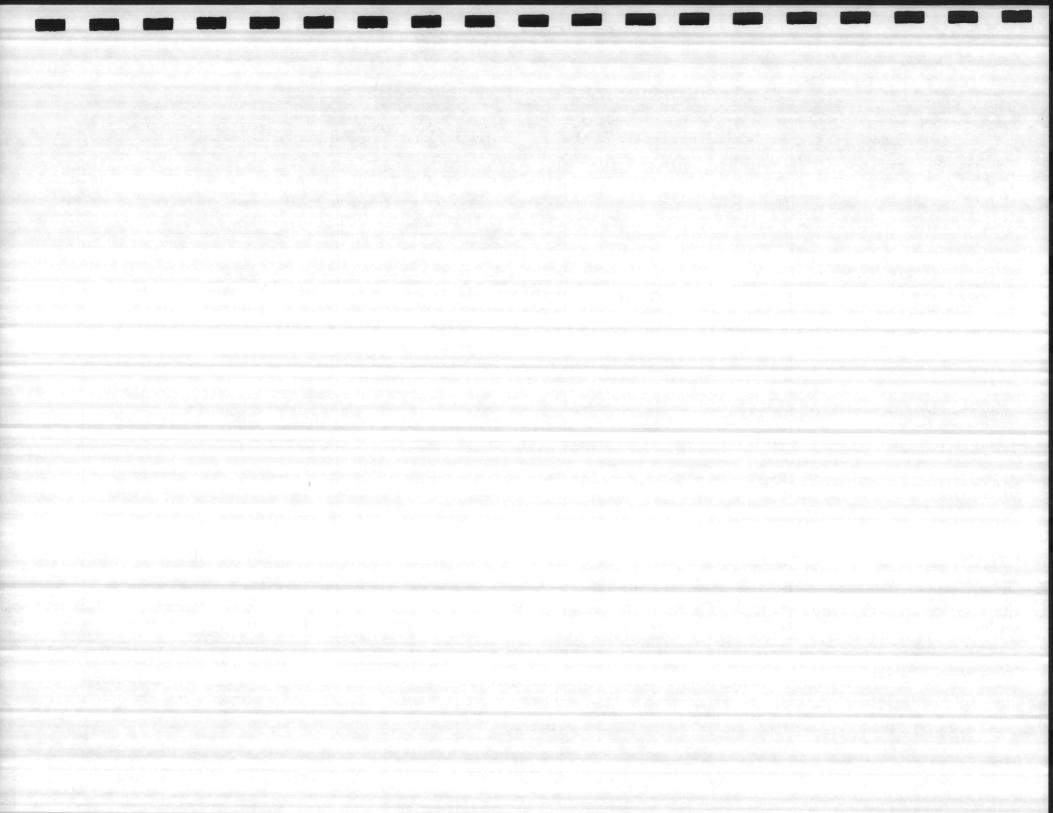
PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
105~mm, 155~mm, 8~in		
	NOT APPLICABLE	NOT APPLICABLE
98	NOW ADM TOARLE	NOT APPLICABLE
	NOT APPLICABLE	NOT REFLICABLE
98	NOT APPLICABLE	NOT APPLICABLE
	105-mm, 155-mm, 8-in X 98 2	PRESENT CHARACTERISTICS (INCLUDE YEAR) 105-mm, 155-mm, 8-in NOT APPLICABLE NOT APPLICABLE NOT APPLICABLE

FILE	NAME:	LP010099

PAGE 3 OF 6 DATE: 03/05/87

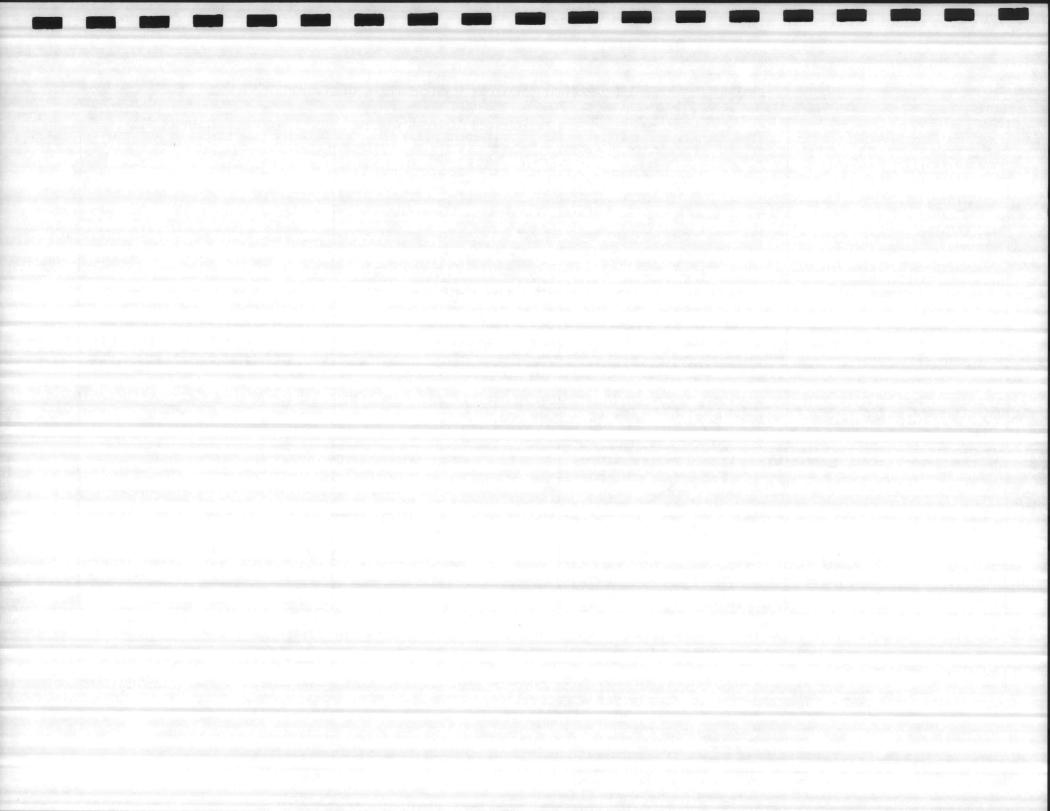
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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DATA ELEMENT	PRESENT CHARA	ACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	2			
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)	18			
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	355			
Is Range/Facility Capable of Nighttime Use? Yes, No	Yes	हुत हुत्र		

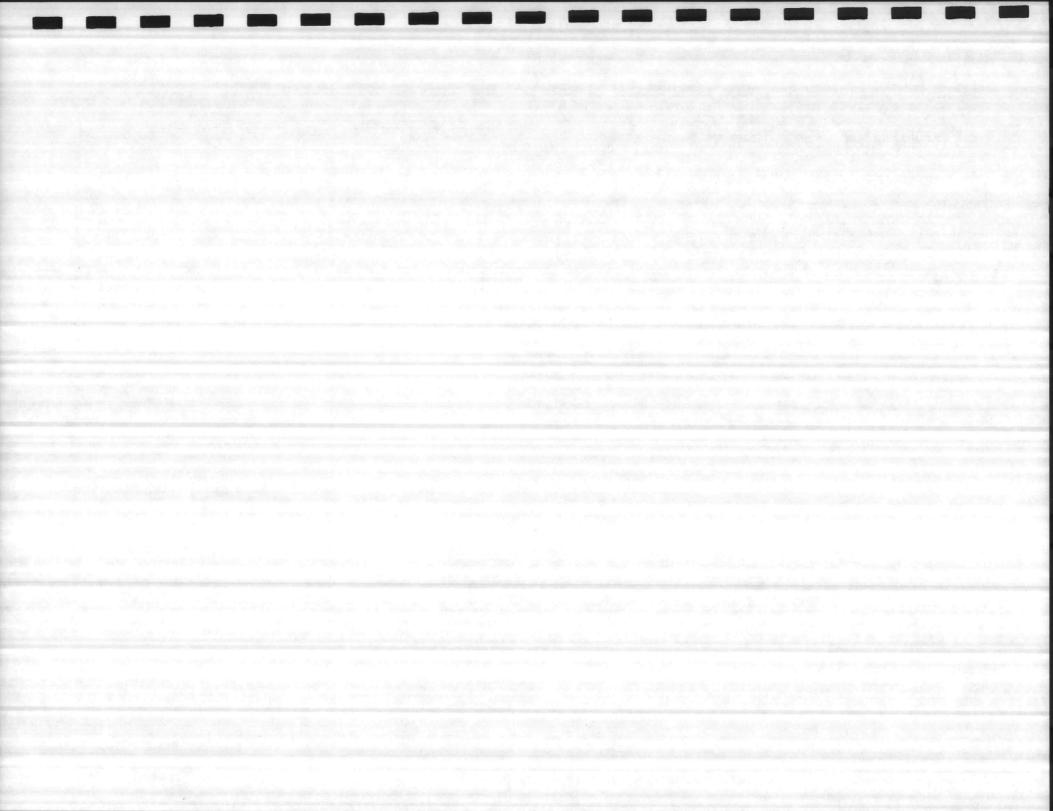
FILE NAME:	LP010099									
PAGE 4 OF 6	DATE:	03/05/87	RANGE/FACILITY N	MANAGER: 1	D. J.	Hashagen,	Sr	A CONTRACTOR OF THE PROPERTY OF	appropriate to the control parties and the second second	. I



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total	10 	0	
Other Ranges Which Must Be Closed When This Range is in Use	TLZ Goose, TLZ Hawk, TLZ Falcon		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	NA		
Are There Site-unique Requirements Placed on Using Units? Yes, No, Explain	NA		

FILE NAME: LP010099
PAGE 5 OF 6 DATE: 03/05/87

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

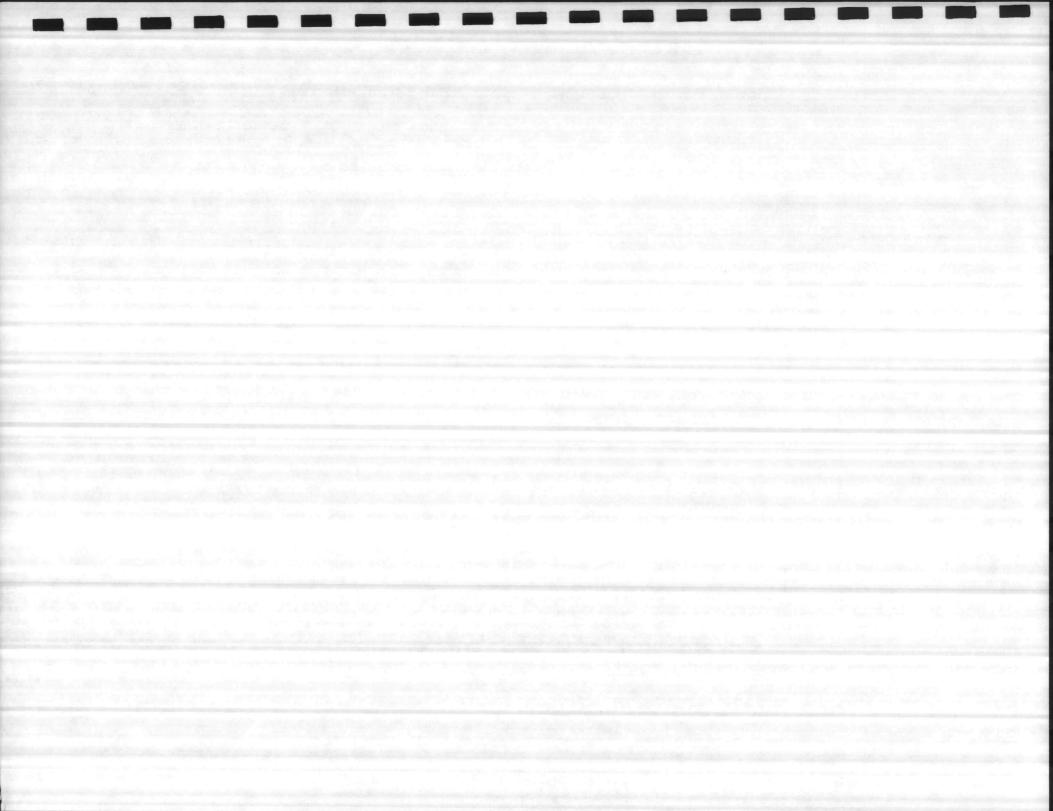


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
	NA		
AICUZ			
FAA			
NoiseGas/Chemical			
Pyrotechnics/Flare			
Time of Day Time of Year			
Other			Landau and the second and the
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FILE NAME: LP010099

PAGE 6 OF 6 DATE: 03/05/87

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

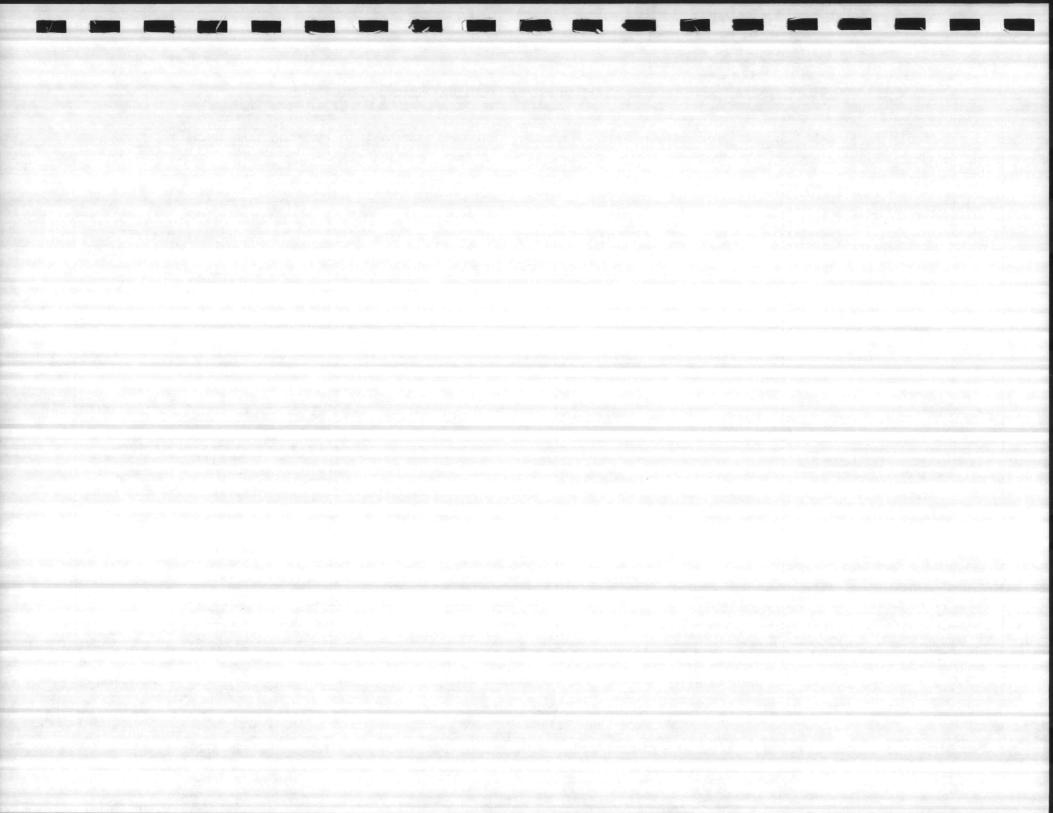


SUBMITTED BY: D. J. Hashage	TYPE RANGE FACILITY: X Live-Fire Full Caliber Live-Fire Subcaliber		
RANGE NAME AND LOCATION: GP Gun Position INSTRUCTIONS:	Simulator Maneuver Area Associated Air Space		
One form for each range/f Fill in data elements as Use right column for new	appropriate		Other
DATA FLEMENT	DEFCENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES	DESTRED CHARACTERISTICS

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km)	240 X 280 yds		
Primary Direction of Fire Associated Air Space Coordinates	110 MILS/7 degrees (G-10) 5180 MILS/292 degrees (K-2) 17,999 ft; 399 sq km TP91202935		
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			

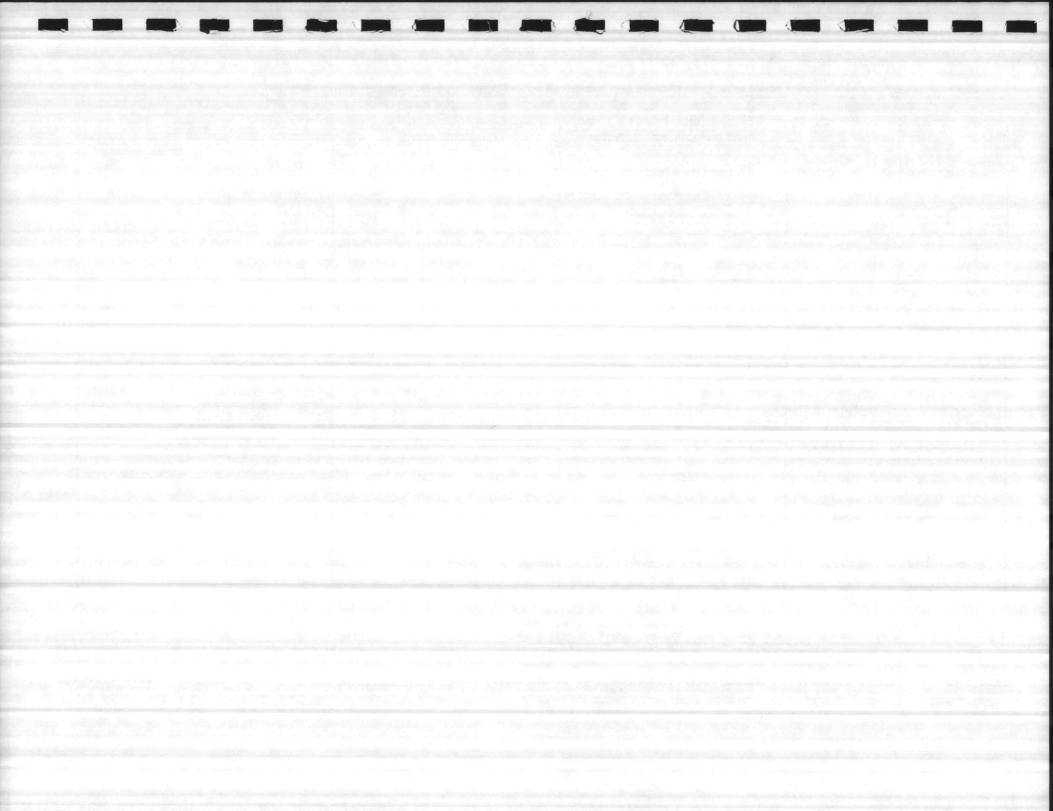
FILE NAME: LP010100
PAGE 1 OF 6 DATE: 03/05/87

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			
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Target Types Pop-up	NA		
Are There Associated Simulation Devices? Yes, No, NA	NA		

FILE NAME:		LP010100			
PAGE	2	OF	6	DATE:	03/05/87



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, 155~mm, 8~in		
Percentage Moderate Percentage Heavy			
·	**************************************		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
Climate Seasonal	X		
TropicTemperateArctic.		 	NOT APPLICABLE
DesertAll-Weather (Indoor)Other			
Perrain Type Percentage Mountainous Percentage Rolling			
Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	 50	NOT APPLICABLE	NOT APPLICABLE
Soil Type	w w w w w w w w w w w w w w w w w w w		
Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	100 	NOT APPLICABLE	NOT APPLICABLE
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FILE NAME: LP010100
PAGE 3 OF 6 DATE: 03/05/87

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

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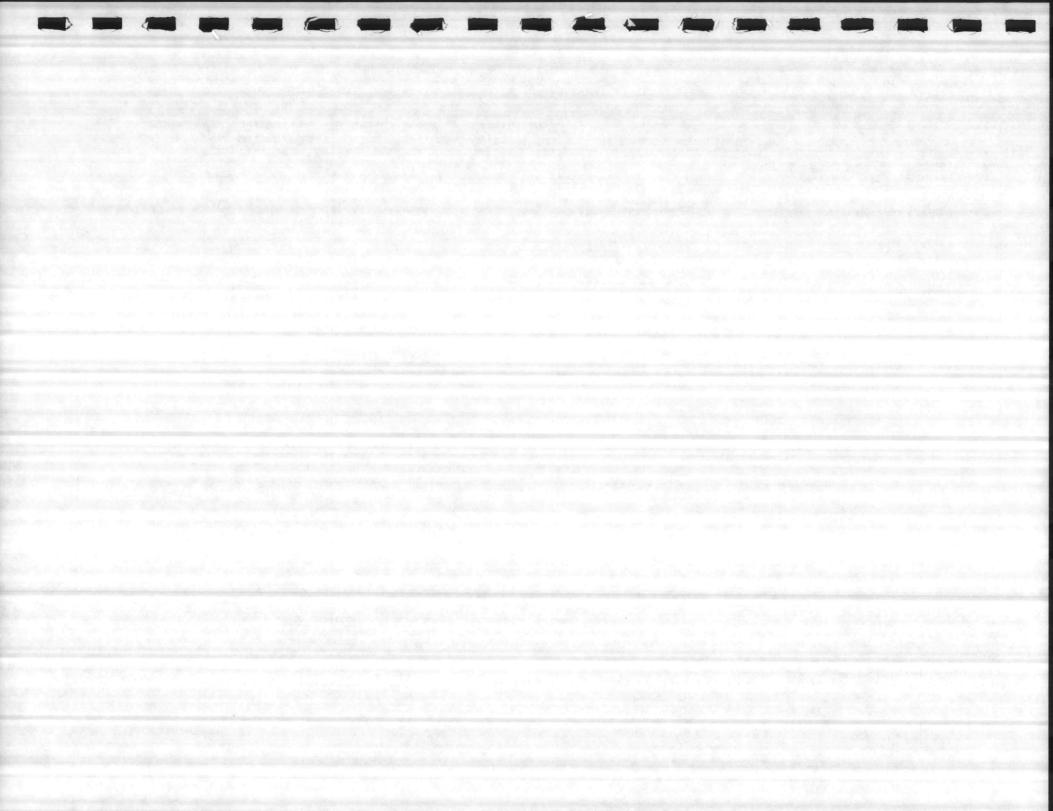
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	1	TOLECONO TOM SUPPLY FOLICE Amministra (lon)
		List Caeacity of an 8-Hour fraining Day Specify: No. of Individuals No. of Esteries No. of Crew-Berved Wyns No. of Alreraft/Halos
	Yes.	Is gange/facility dapable of Wighteins Beer Year No.

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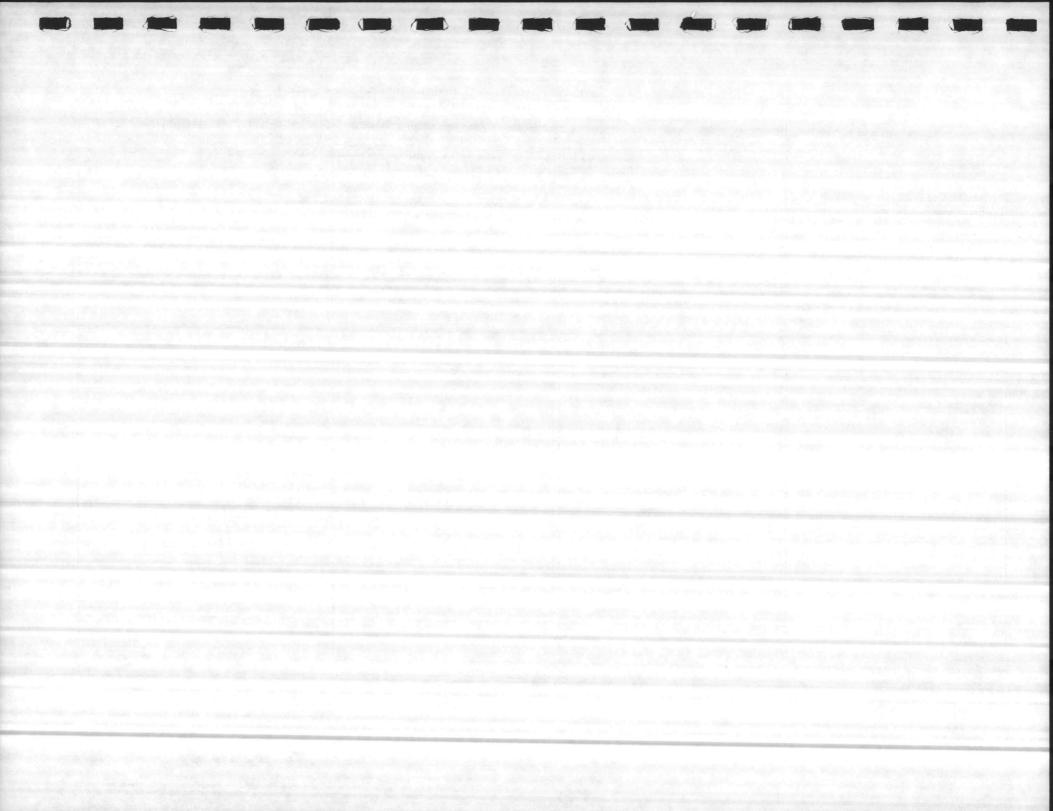
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	50		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas			
Distance from Supply Points POL (km)	17		
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			
Is Range/Facility Capable of Nighttime Use? Yes, No	Yes		

FILE	N	AME:		LP010100	
PAGE	4	OF	6	DATE:	03/05/8



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	TLZ Goose, TLZ Hawk 		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	 NA NA		
Are There Site-unique Requirements Placed on Using Units? Yes, No, Explain	 		
*********	**************************************		

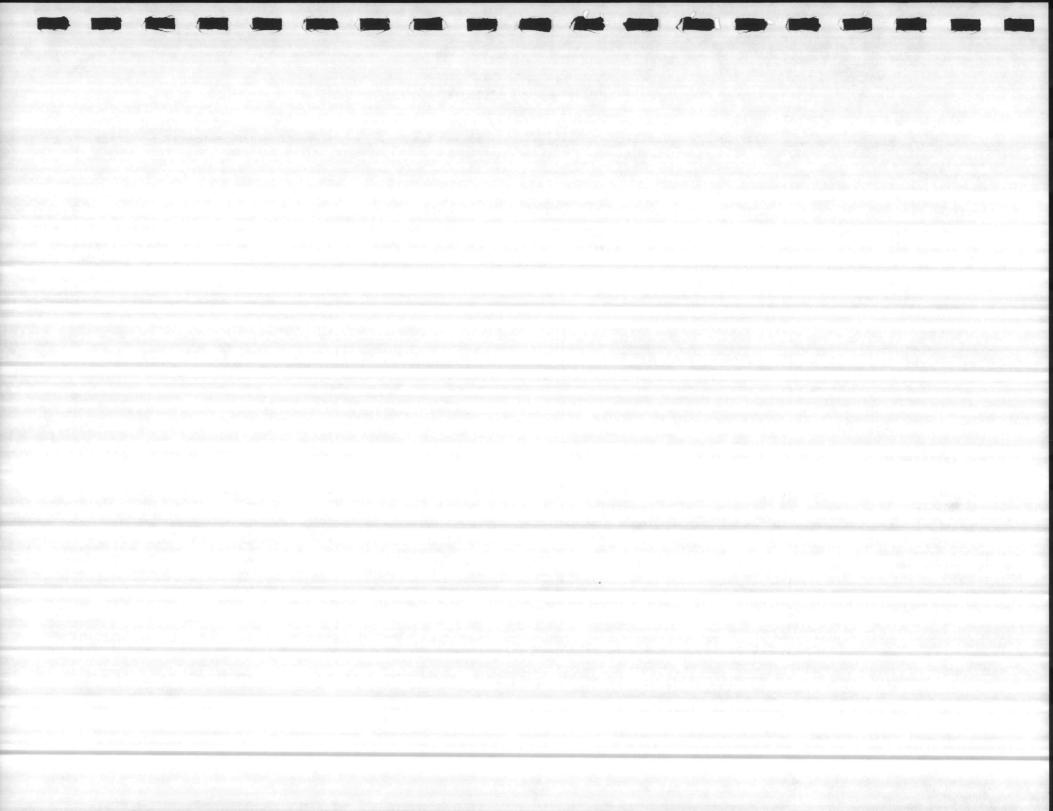
FILE NAME:	LP010100								
PAGE 5 OF 6	DATE:	03/05/87	RANGE/FACILITY	MANAGER:	D	J.	Hashagen,	Sr	



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Time of Day			
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FILE NAME: LP010100

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

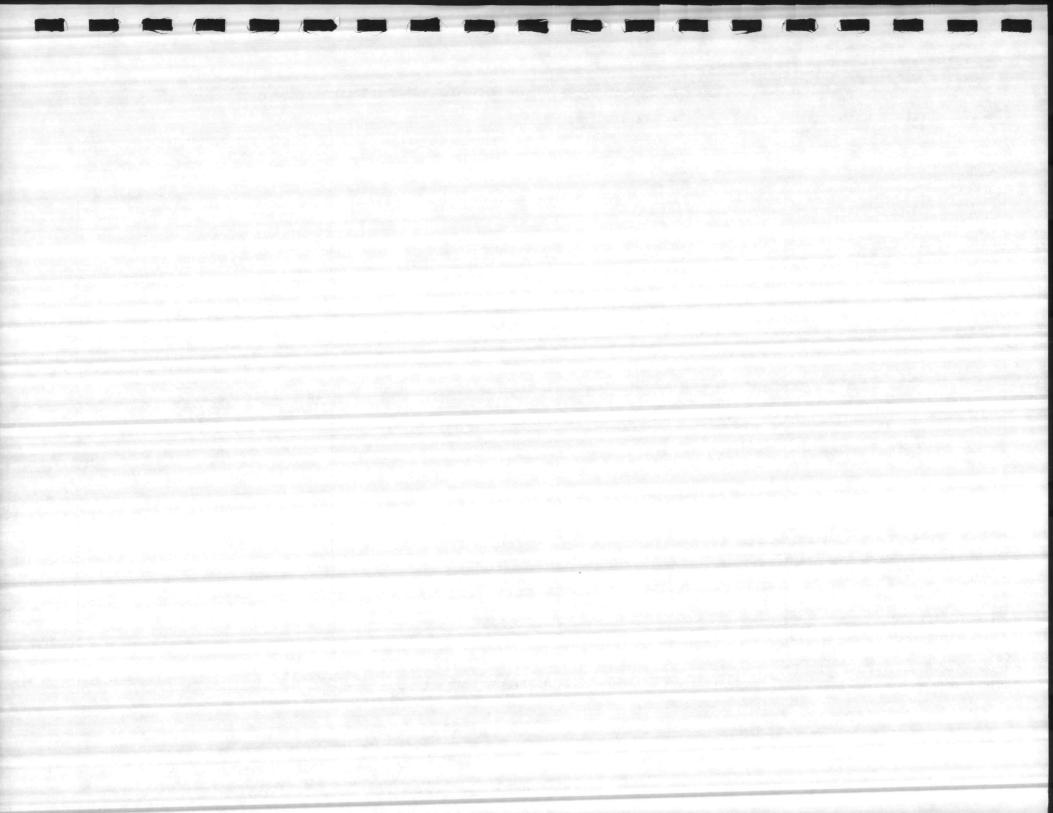


SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY:
	X Live-Fire Full Caliber
	Live-Fire Subcaliber
RANGE NAME AND LOCATION: GP-29, MCB, Camp Lejeune, NC	Simulator
Gun Position	Maneuver Area
INSTRUCTIONS:	Associated Air Space
One form for each range/facility/simulator	Other
Fill in data elements as appropriate	(2018년 - 1984년 - 1984년 - 1984년 - 1984
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)	270 X 340 yds		
Primary Direction of Fire Associated Air Space	500 MILS/28 degrees (G-10) 5670 MILS/317 degrees (K-2) 17,999 ft; 399 sq km		
Coordinates	TP86952886		
Rear (km)	NA		
Altitude (ft) Number of Firing Points/ Stations	6		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area			

FILE NAME: LP010101
PAGE 1 OF 6 DATE: 03/05/87

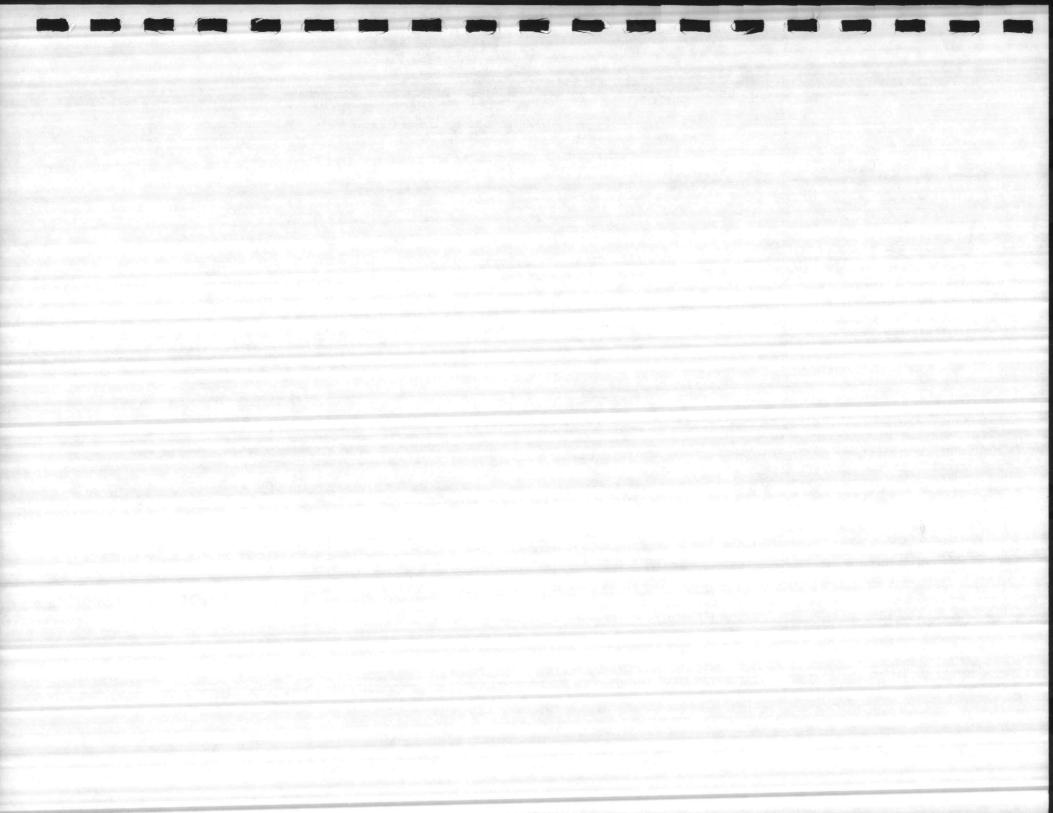
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



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			
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other			
Target Types Pop-up Stationary Moving Revolving Other	NA		
Are There Associated Simulation Devices? Yes, No, NA	 NA 		

FILE NAME: LP010101
PAGE 2 OF 6 DATE: 03/05/87

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

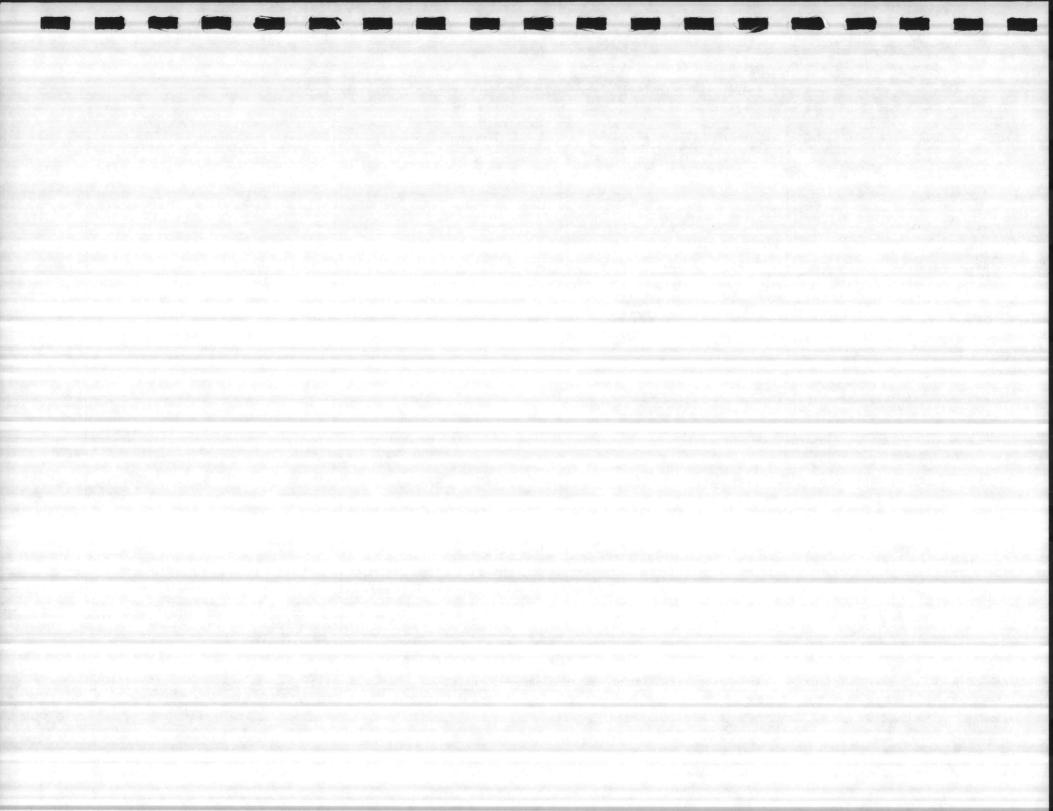


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	105-mm, 155-mm, 8-in		
N			* ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Climate Seasonal Tropic Temperate Arctic			
Arctic. Desert. All-Weather (Indoor). Other.		NOT APPLICABLE	NOT APPLICABLE
Terrain Type			> \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level	5 5 	NOT APPLICABLE	NOT APPLICABLE
Percentage Water	190		
Soil Type Percentage Rock Percentage Sand Percentage Clay	15	NOT APPLICABLE	NOT APPLICABLE
Percentage Swamp/Marsh Percentage Loamy Percentage Other	5		

FILE NAME: LP010101
PAGE 3 OF 6 DATE: DATE: 03/05/87

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

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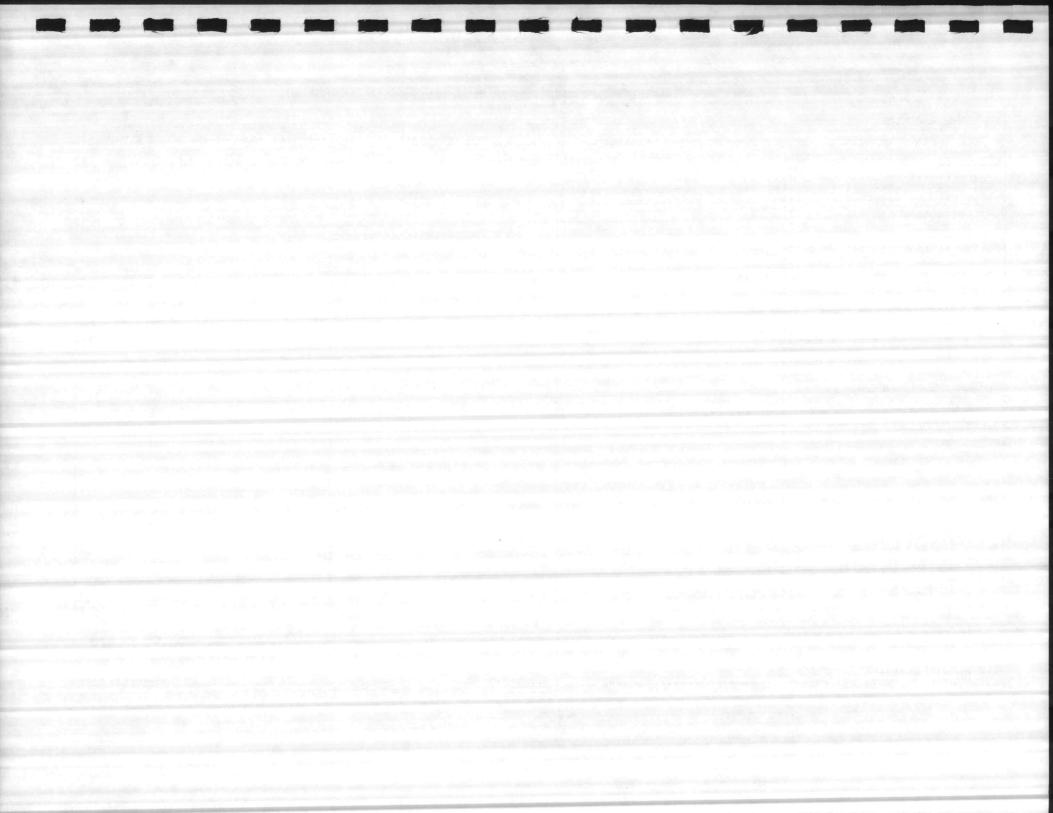


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	90 10		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	11 11		
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	112		
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	Yes		

CTI D	NAME .	LP010101
LILL	NAME:	PEOIOTOI

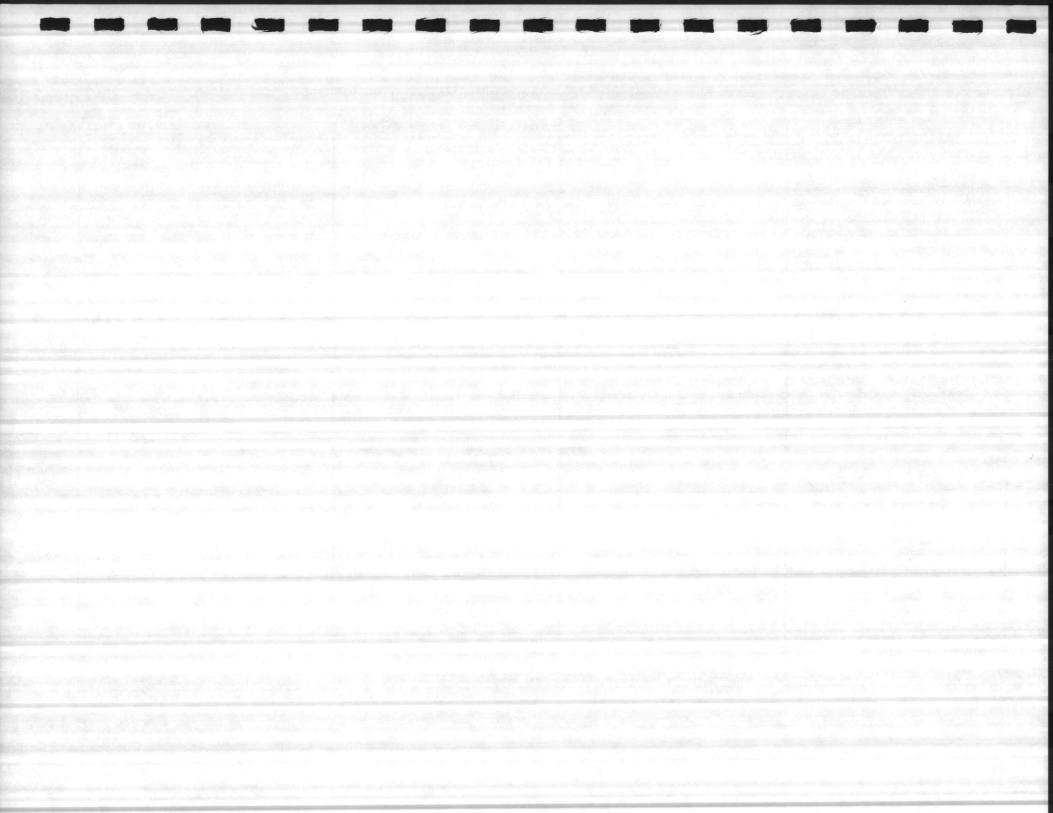
PAGE 4 OF 6 DATE: 03/05/87

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	0	
Other Ranges Which Must Be Closed When This Range is in Use	TLZ Bluebird, TLZ Albatross, TLZ Goose, TLZ Dodo, TLZ Hawk		
Are There Site unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	INA		
	NA		

FILE	NAME:	LP010101	
PAGE	5 OF 6	DATE:	03/05/8



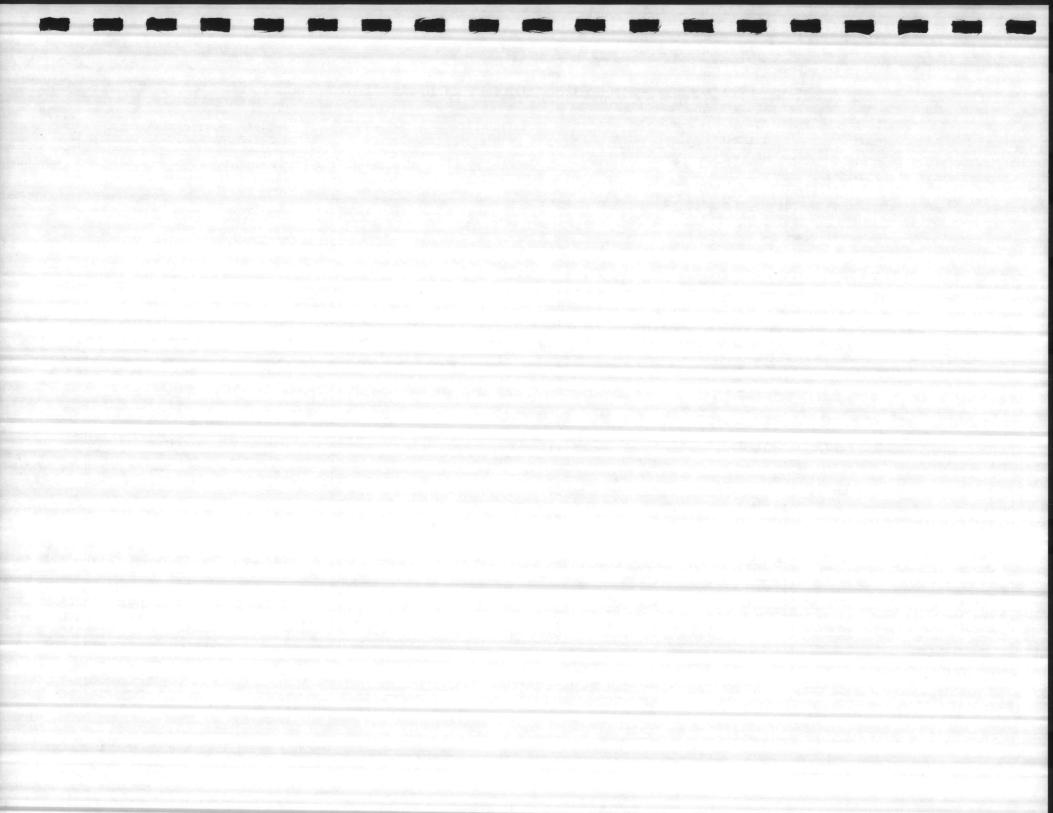
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
	NA		All the second of the second o
AICUZFAANoiseGas/Chemical			
Pyrotechnics/Flare Time of Day Time of Year Other			

FILE NAME: LP010101

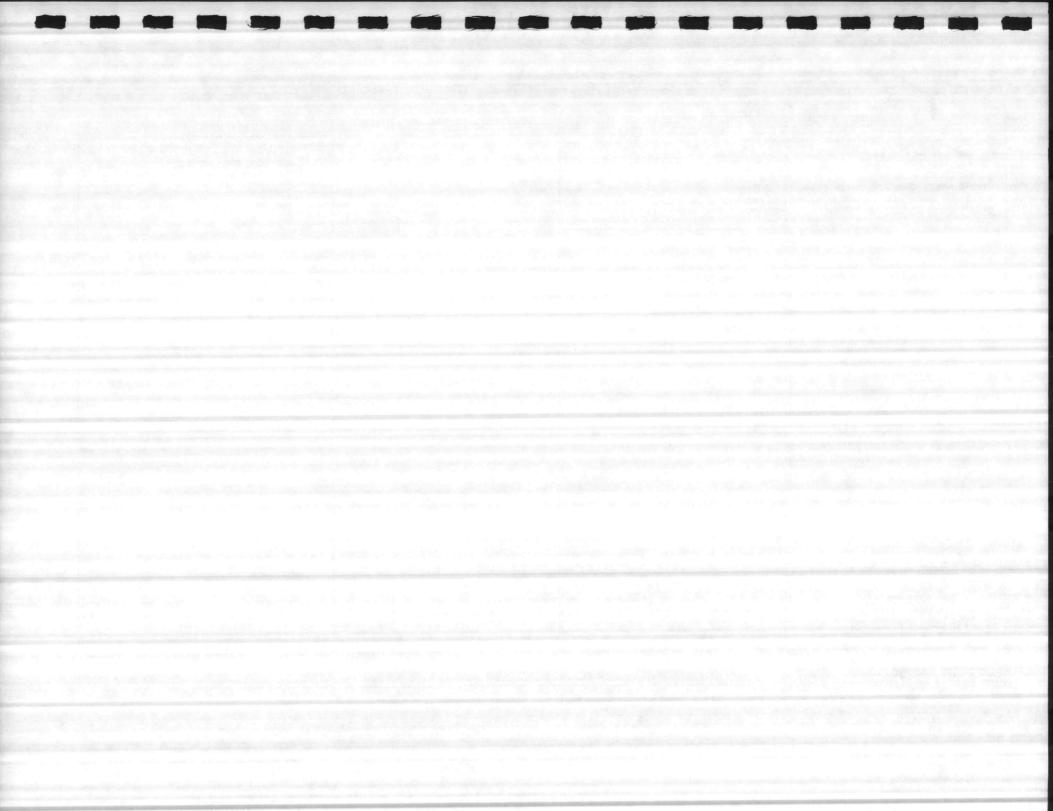
PAGE 6 OF 6 DATE: 03/05/87

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

T. FPTC-P-0001



ANGE NAME AND LOCATION: GP-30 on Position in STRUCTIONS: - One form for each range/facility fill in data elements as applicable right column for new or in the structure of the	TYPE RANGE FACILITY: X 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) Primary Direction of Fire Associated Air Space Coordinates	170 X 240 yds 300 MILS/17 degrees (G-10) 5450 MILS/305 degrees (K-2) 17,999 ft; 399 sq km TP89582715		
Safety Buffer Rear (km)	NA		
Number of Firing Points/ Stations	6		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area			
TILE NAME: LP010102 PAGE 1 OF 6 DATE: 03/05/87	RANGE/FACILITY MANAGER: D.	J. Hashagen, Sr.	LFRTS-P-000

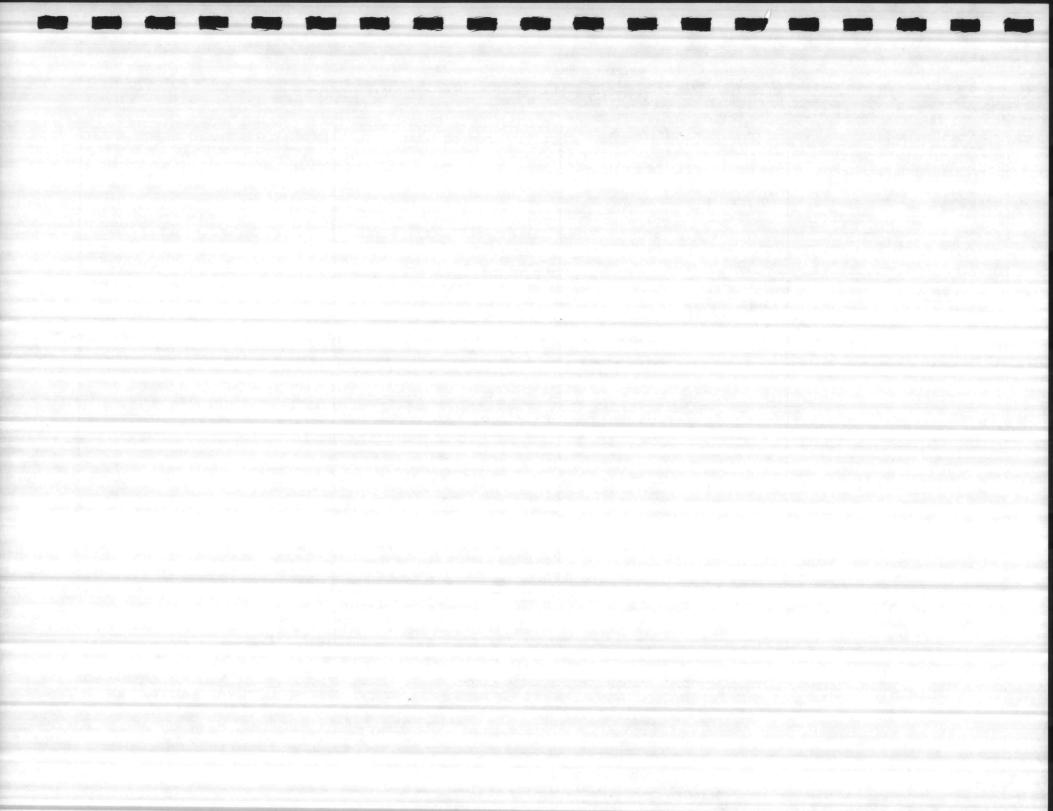


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site Other		9	
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Target Types Pop-up Stationary Moving Revolving			
Are There Associated Simulation Devices? Yes, No, NA	NA 		

FILE NAME: LP010102

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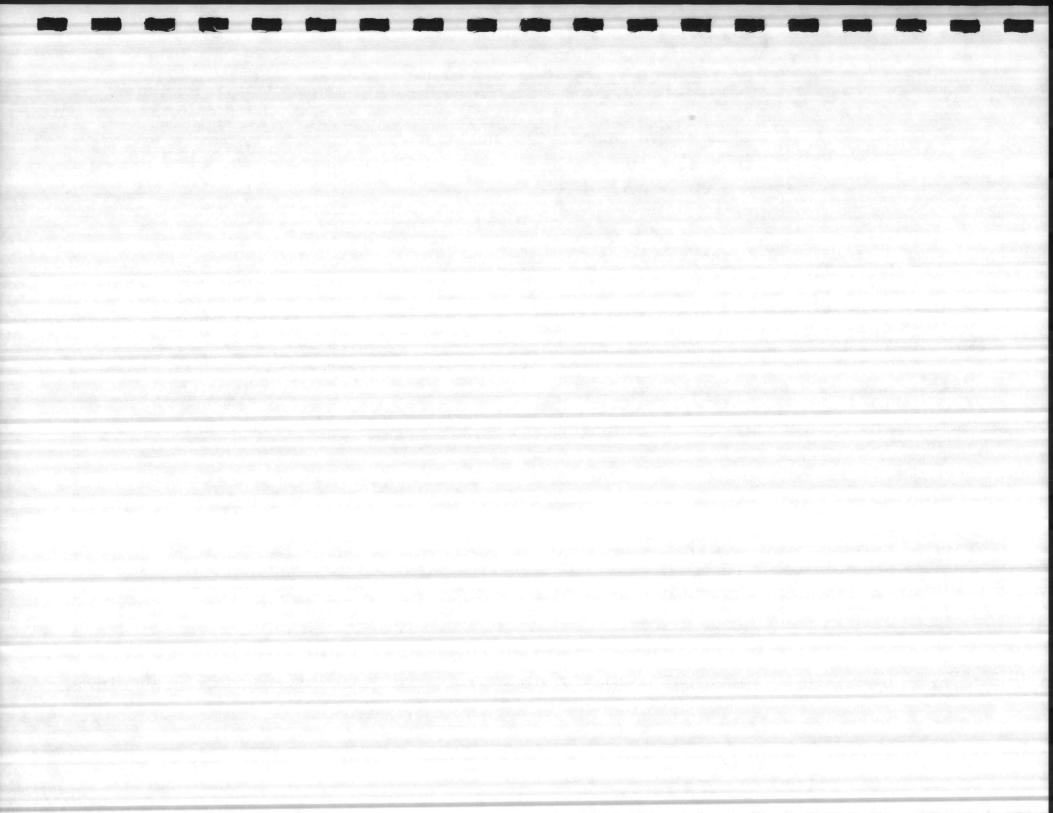
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.____



PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
105~mm, 155~mm, 8~in		
X	NOT APPLICABLE	NOT APPLICABLE
	NOT APPLICABLE	NOT APPLICABLE
 85 15	NOT APPLICABLE	NOT APPLICABLE
	105~mm, 155~mm, 8~in X 85 15	PRESENT CHARACTERISTICS (INCLUDE YEAR) 105-mm, 155-mm, 8-in NOT APPLICABLE NOT APPLICABLE NOT APPLICABLE NOT APPLICABLE

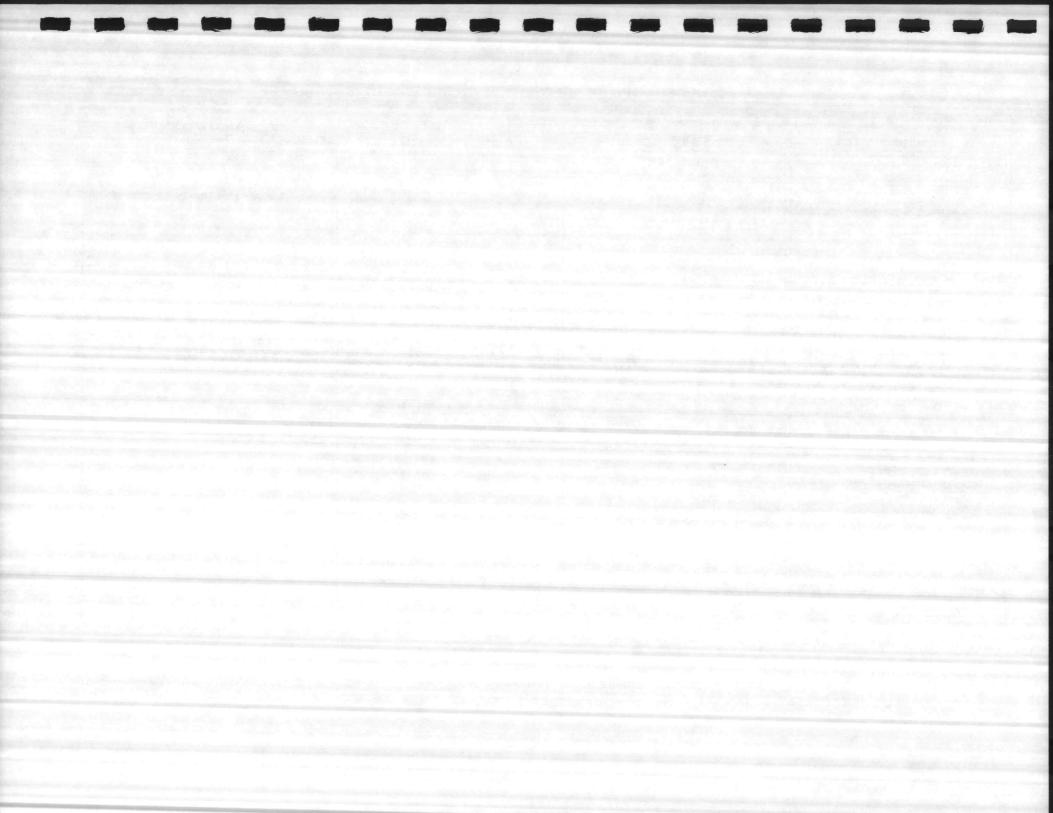
FILE	NAME:		:	LP010102	
PAGE	3	OF	6	DATE:	03/05/8

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



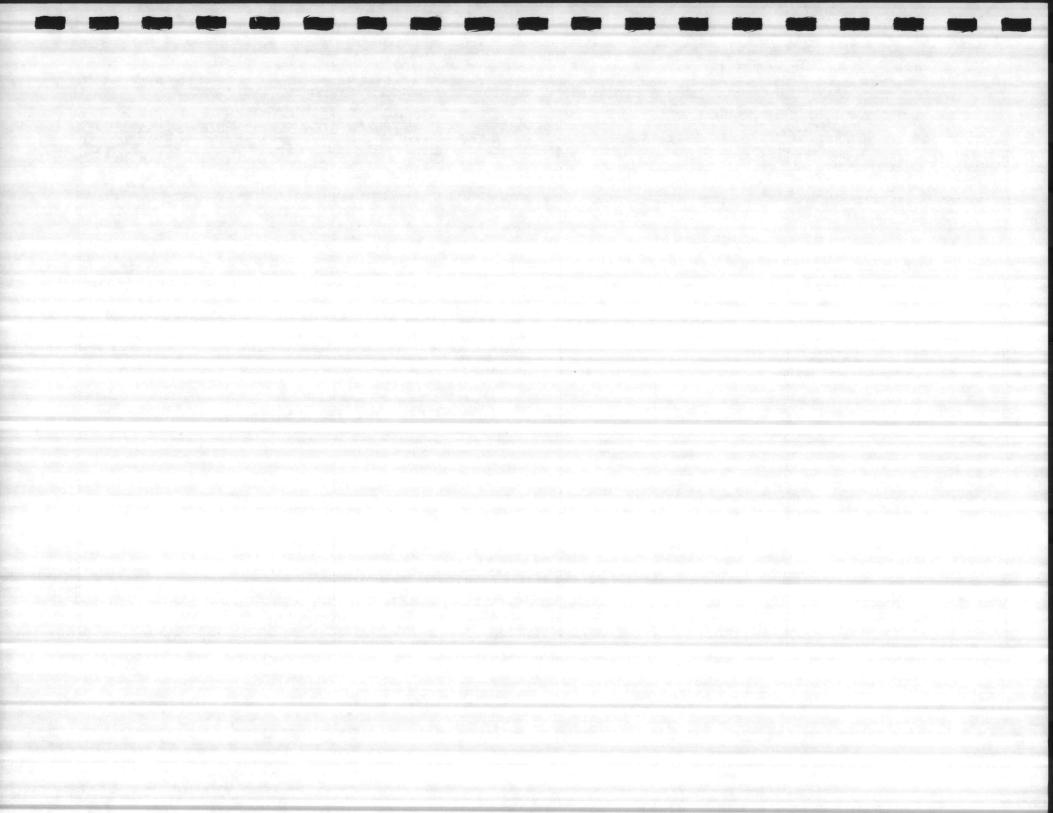
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE	
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	[15			
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress 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				
Number of Days per Year the Range/Facility is Available	355	***************************************		
Is Range/Facility Capable of Nighttime Use? Yes, No	Yes			

FILE	NAME:			LP010102	
PAGE	4	OF	6	DATE:	03/05/87



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays		0	
	TLZ Albatross, TLZ Falcon, TLZ Goose, TLZ Dodo, TLZ Hawk		
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	N	AME		LP010102	
PAGE	5	OF	6	DATE:	03/05/87

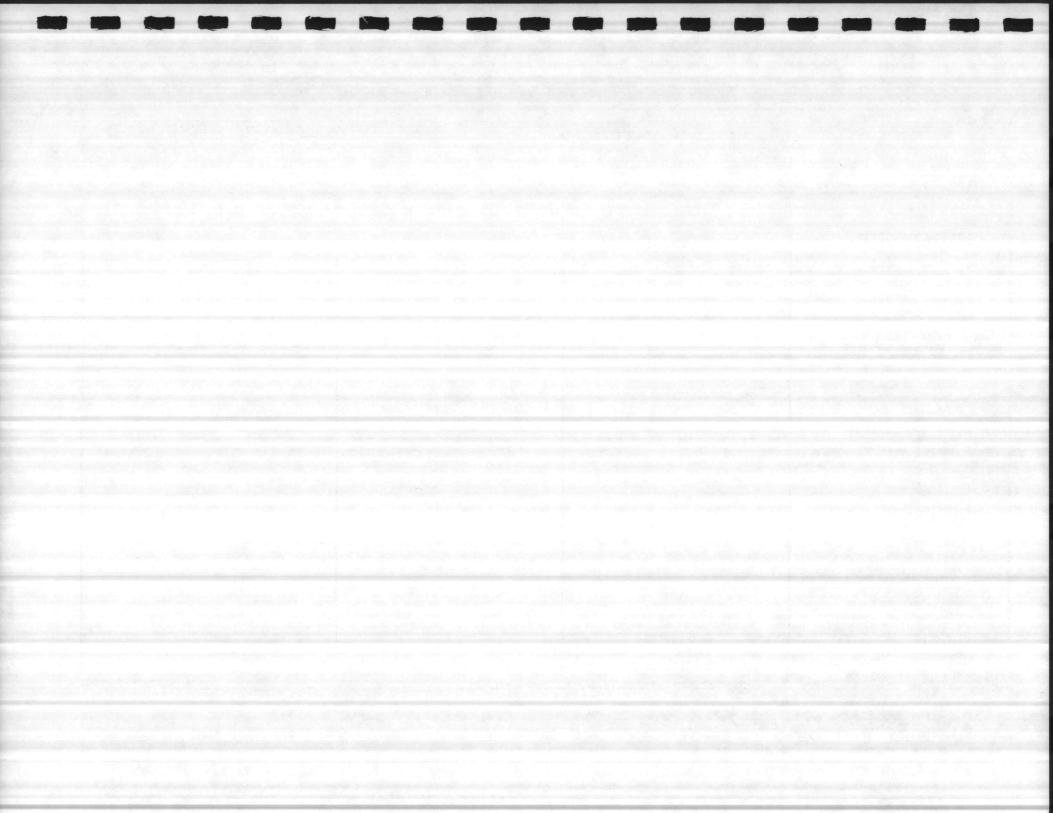


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Restrictions on Range Use	NA		
EnvironmentalAICUZ			
FAA			
NoiseGas/Chemical			And the standard of the standard standa
Pyrotechnics/Flare	And the state of t		
Time of Day			
Other			
			Anglight Spring States and States
	and the state of t		
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			#[1] 남자의 경기를 보고 배우는 ~ 먹어 #
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	[13] Water Delta Barrier Birth		
	and a maria a maria ang kalandara na maria a m Maria a maria na maria a maria		en jaron eta erren erren eta
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FILE NAME: LP010102

PAGE 6 OF 6 DATE: 03/05/87

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

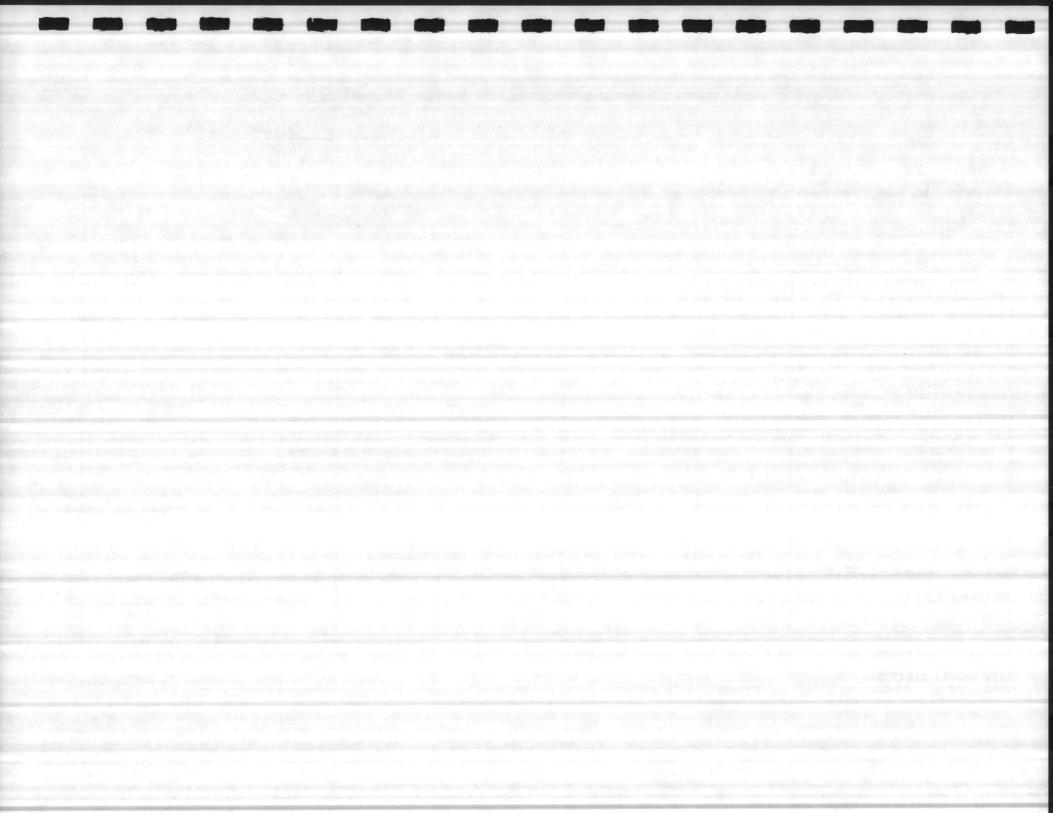


SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY: X Live-Fire Full Caliber Live-Fire Subcaliber
RANGE NAME AND LOCATION: GP-31, MCB, Camp Lejeune, NC Gun Position INSTRUCTIONS:	Simulator Maneuver Area Associated Air Space
One form for each range/facility/simulator Fill in data elements as appropriate Use right column for new or improved ranges needed	Other

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km)	100 X 160 yds		
Primary Direction of Fire Associated Air Space	350 MILS/19 degrees (G-10) 5480 MILS/308 degrees (K-2) 17,999 ft; 399 sq km		
Coordinates	TP89222670		
Rear (km)			
Number of Firing Points/ Stations	6		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area			

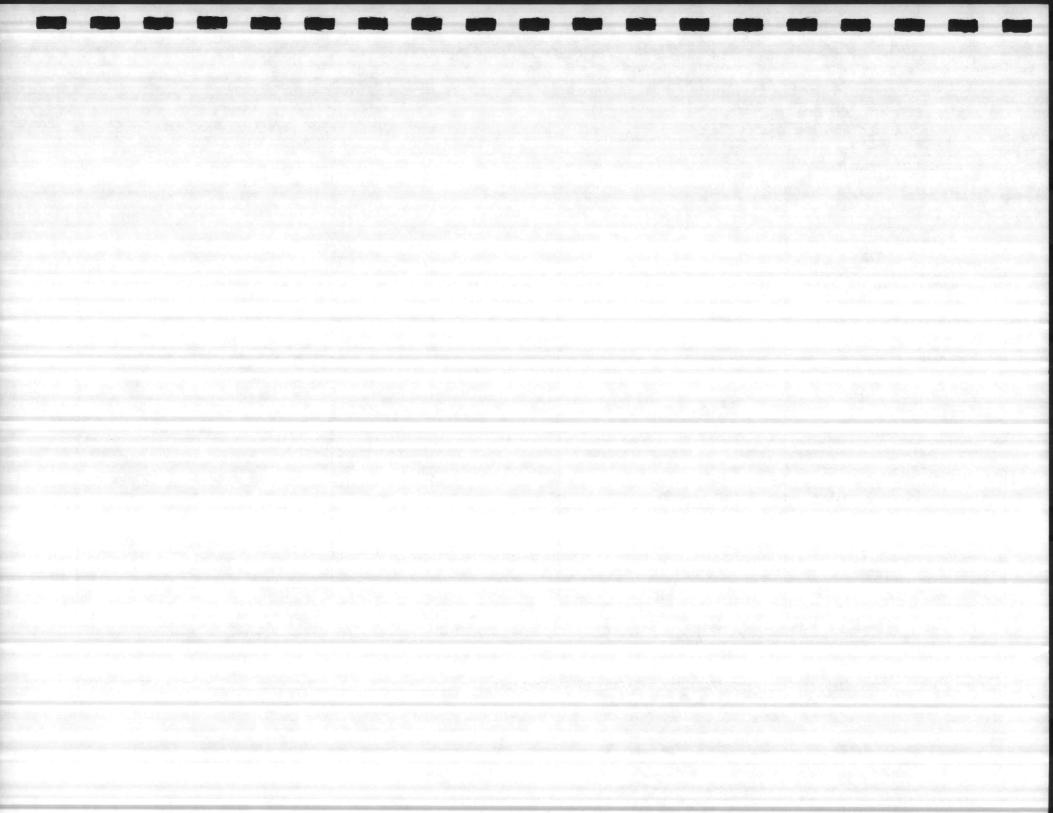
FILE NAME: LP010103
PAGE 1 OF 6 DATE: 03/05/87

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			
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Target Types Pop-up Stationary Moving Revolving	NA		
Are There Associated Simulation Devices? Yes, No, NA	NA 		

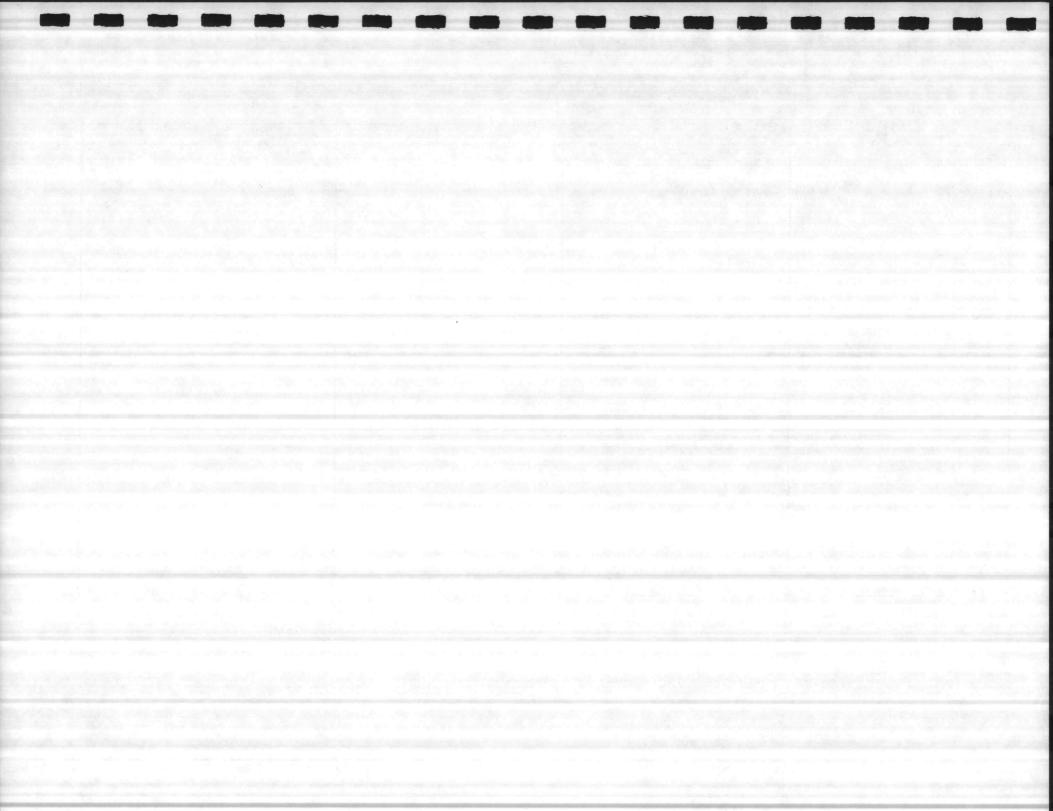
FILE NAME: LP010103
PAGE 2 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE	
Weapon Types Used on the Range	105-mm, 155-mm, 8-in			
Climate	 - 			
Seasonal		NOT APPLICABLE	NOT APPLICABLE	
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	60 5 	NOT APPLICABLE	NOT APPLICABLE	
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	60 	NOT APPLICABLE	NOT APPLICABLE	

FILE NAME: LP010103
PAGE 3 OF 6 DATE: 03/05/87

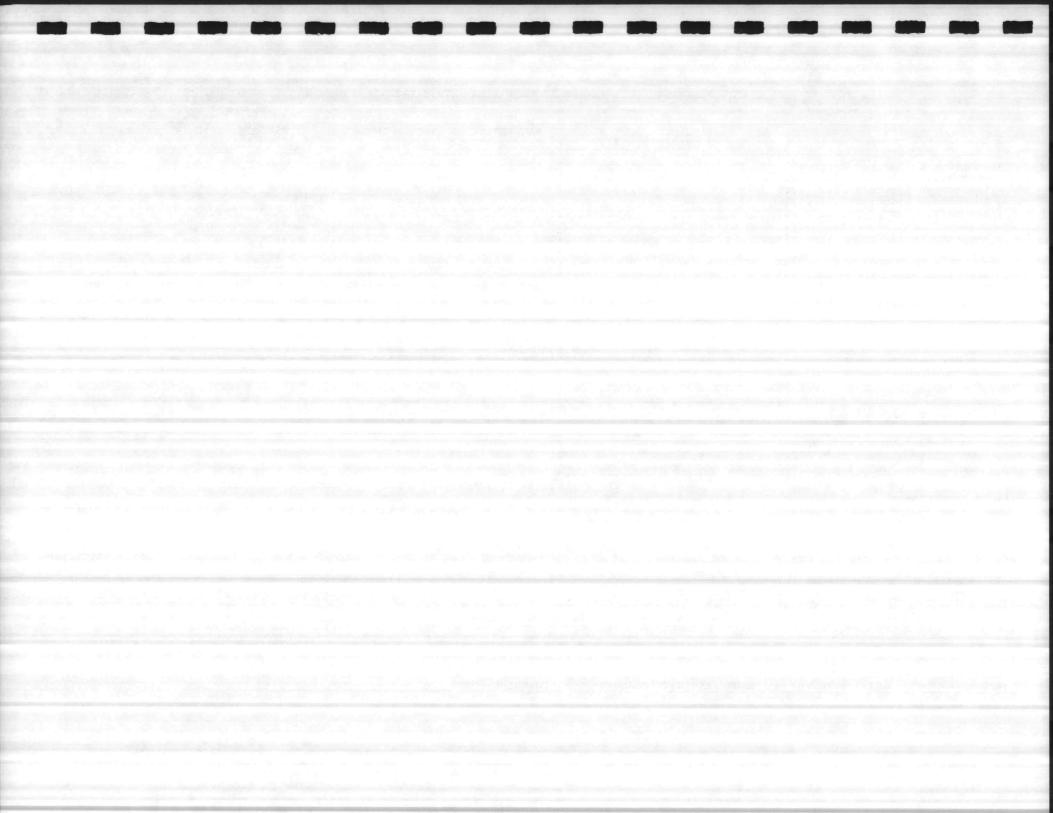
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



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	5			
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)	10			
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	Yes			

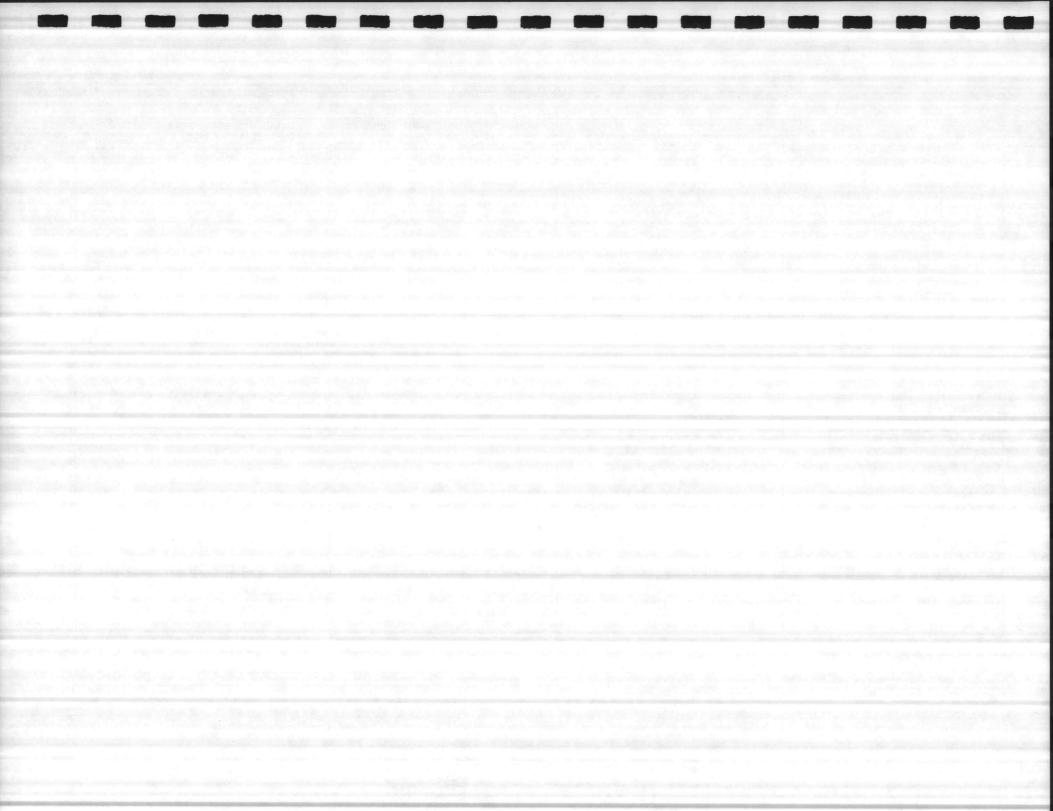
FILE NAME: LP010103
PAGE 4 OF 6 DATE: 03/05/87

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		0		
	TLZ Albatross, TLZ Falcon, TLZ Goose, TLZ Dodo, TLZ Hawk			
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 NA			

FILE	E NAME:			LP010103	
PAGE	5	OF	6	DATE:	03/05/87

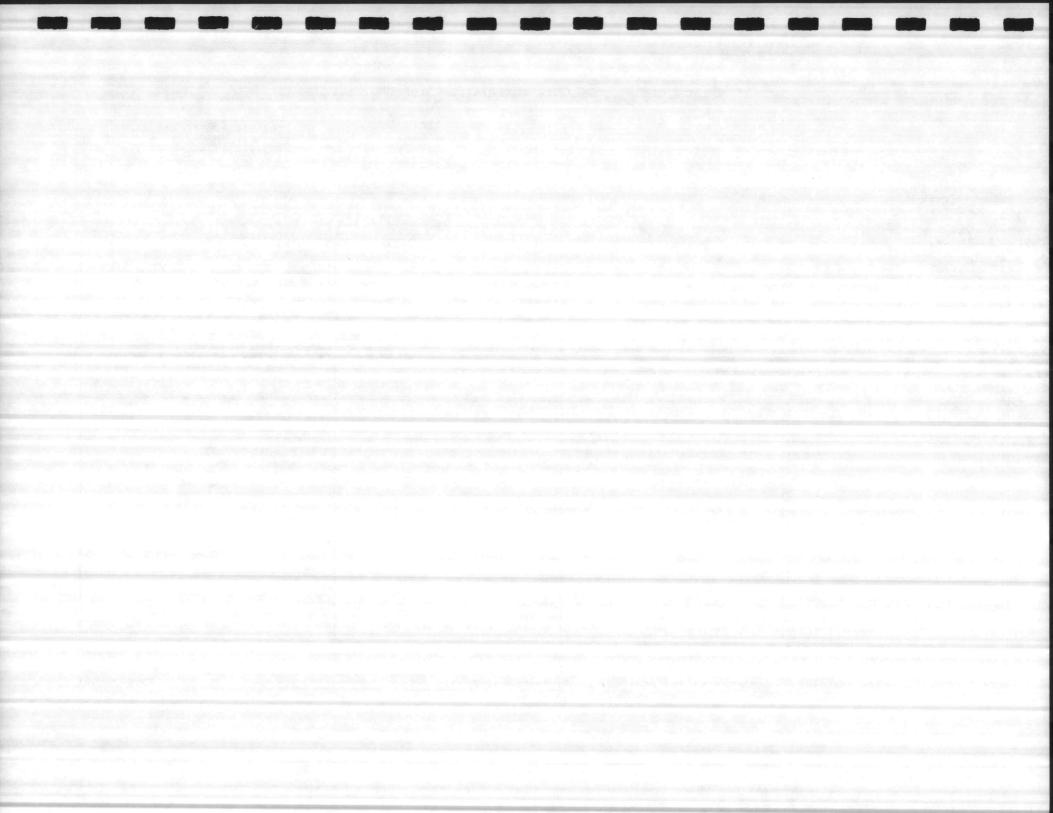


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
병사는 사람들이 어느 아무리를 가게 되었다면 하지 않는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하			
Pyrotechnics/Flare Time of Day Time of Year Other			

FILE NAME: LP010103

PAGE 6 OF 6 DATE: 03/05/87

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

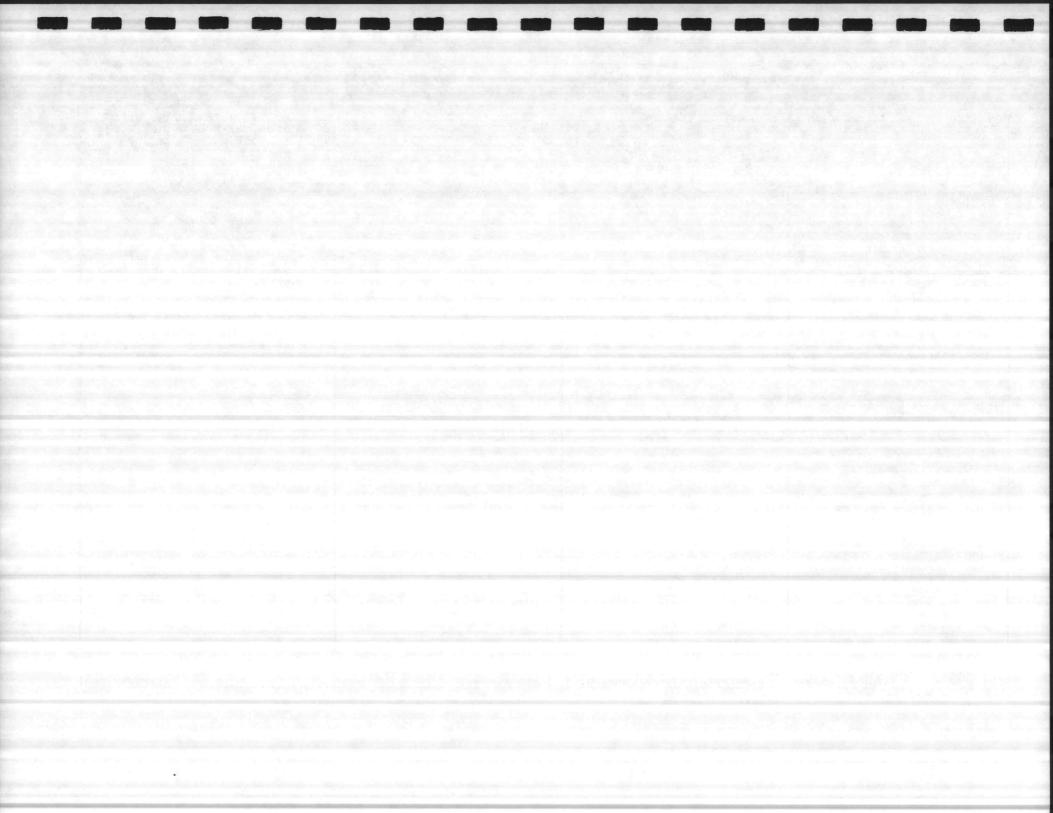


SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY:
	XLive-Fire Full Caliber Live-Fire Subcaliber
RANGE NAME AND LOCATION: GP-32, MCB, Camp Lejeune, NC	Simulator
Gun Position	Maneuver Area
INSTRUCTIONS:	Associated Air Space
One form for each range/facility/simulator	Other
Fill in data elements as appropriate	
Use right column for new or improved ranges needed	
One form for each range/facility/simulator Fill in data elements as appropriate	- 1 - 1 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE	
Range Shape and Dimensions Dimensions (km)	70 X 75 yds			
Primary Direction of Fire	6200 MILS/350 degrees			
Associated Air Space	17,999 ft; 399 sq km			
Coordinates	TP92762990			
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				

FILE NAME: LP010104
PAGE 1 OF 6 DATE: DATE: 03/05/87

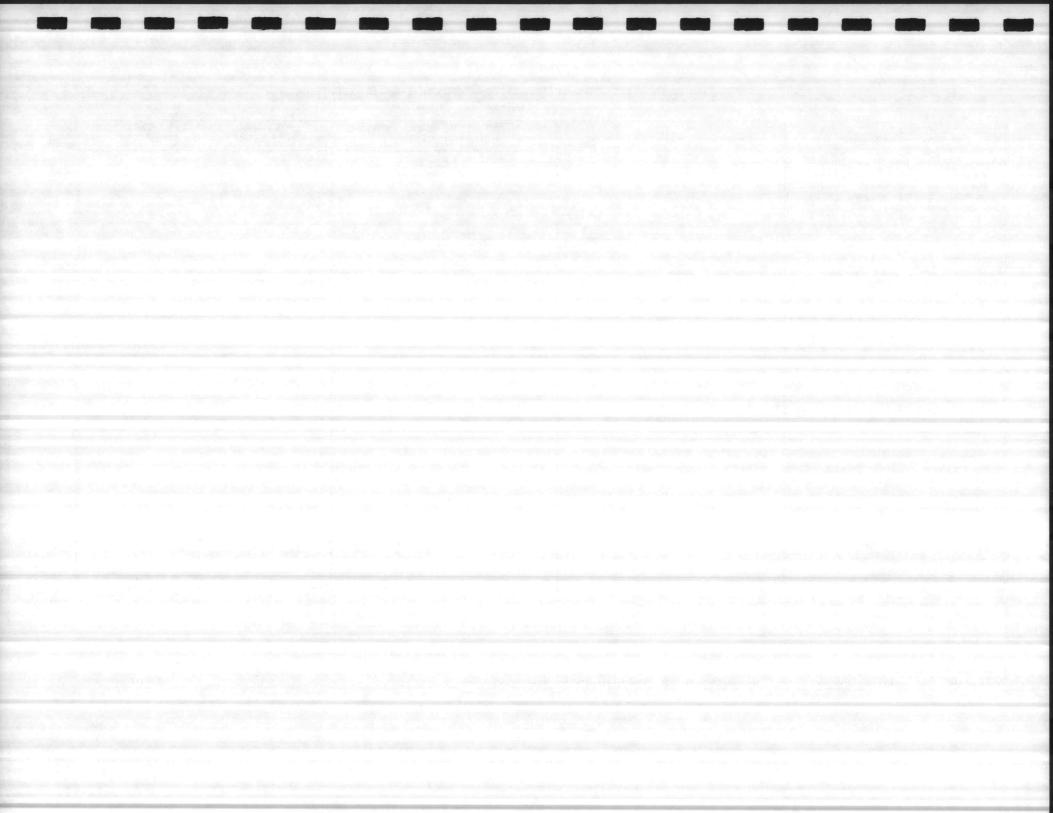
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
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 NA		
Are There Associated Simulation Devices? Yes, No, NA	NA		

FILE NAME: LP010104
PAGE 2 OF 6 DATE: DATE: 03/05/87

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

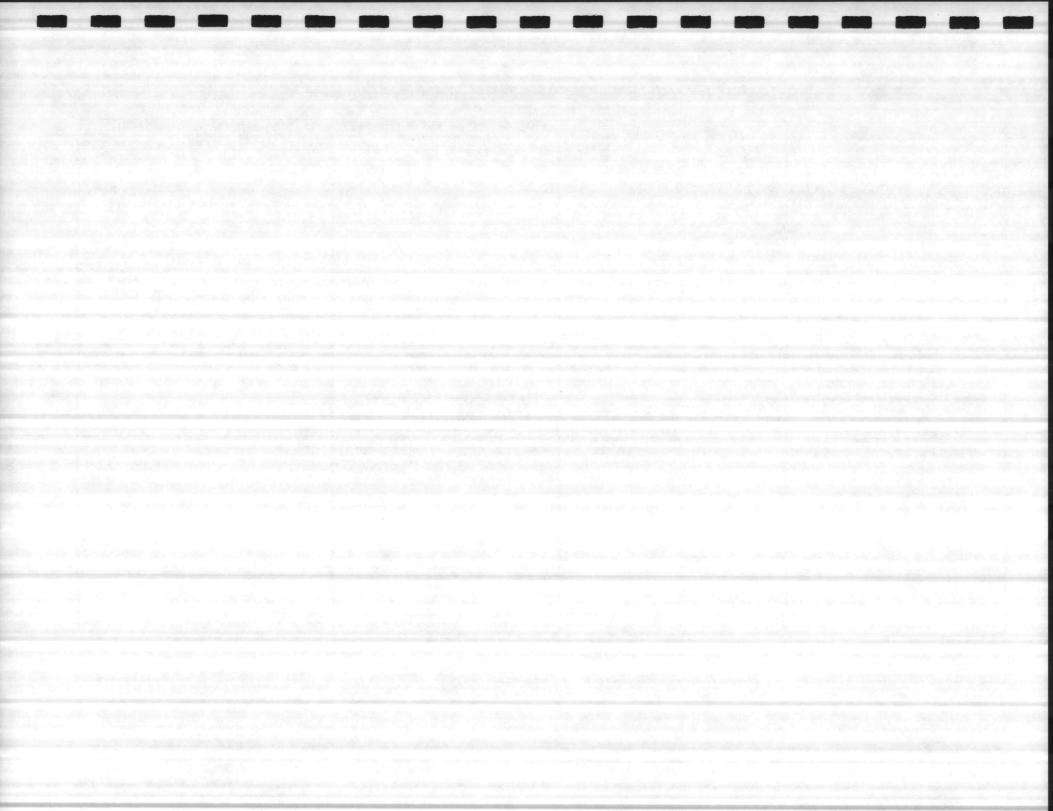


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE	
Weapon Types Used on the Range	105-mm, 155-mm, 8-in			
Climate Seasonal Tropic Temperate Arctic Desert All-Weather (Indoor) Other		NOT APPLICABLE	NOT APPLICABLE	
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	770 30 	NOT APPLICABLE	NOT APPLICABLE	
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	70 30	NOT APPLICABLE	NOT APPLICABLE	

FILE	NAME:	LP010104

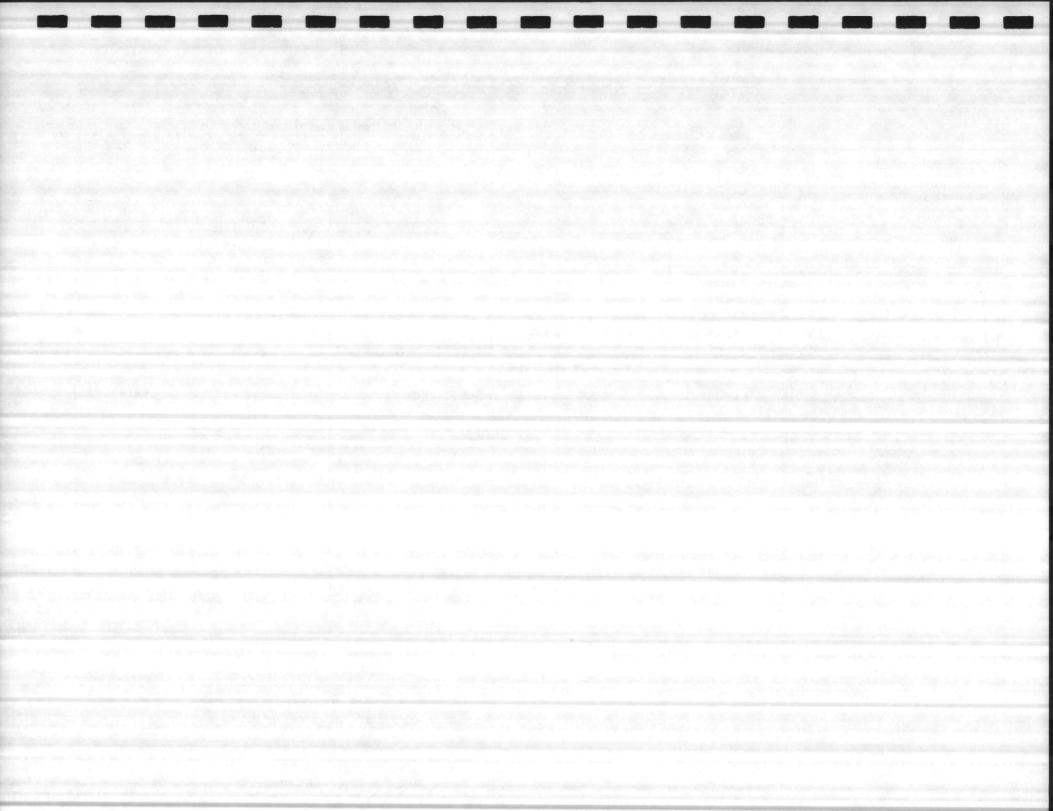
PAGE 3 OF 6 DATE: 03/05/87

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	30		
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)	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			
Number of Days per Year the Range/Facility is Available	355		
Is Range/Facility Capable of Nighttime Use? Yes, No	Yes		

FILE	NAME:			LP010104	
PAGE	4	OF	6	DATE:	03/05/8

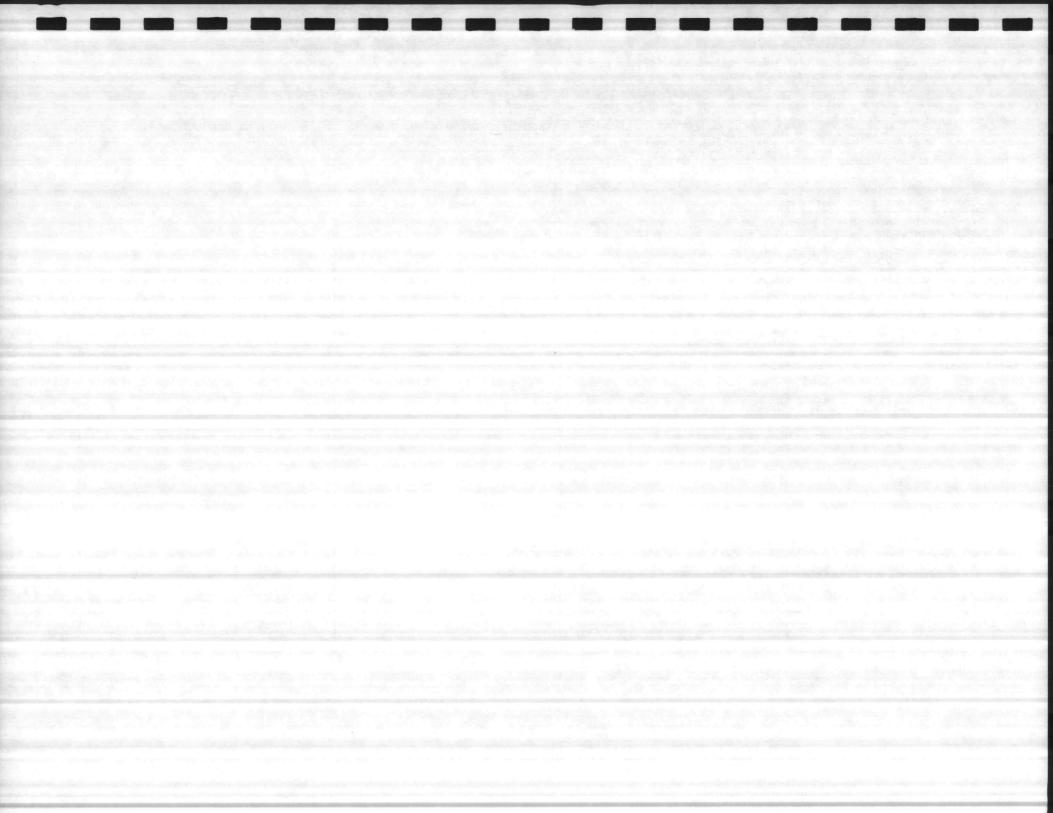


PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
10	0	0
TLZ Goose		
NA	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
NA	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	,
	TLZ Goose	PRESENT CHARACTERISTICS (INCLUDE YEAR) 10 10 11 11 11 12 13 14 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18

FILE	NAME:	LP010104

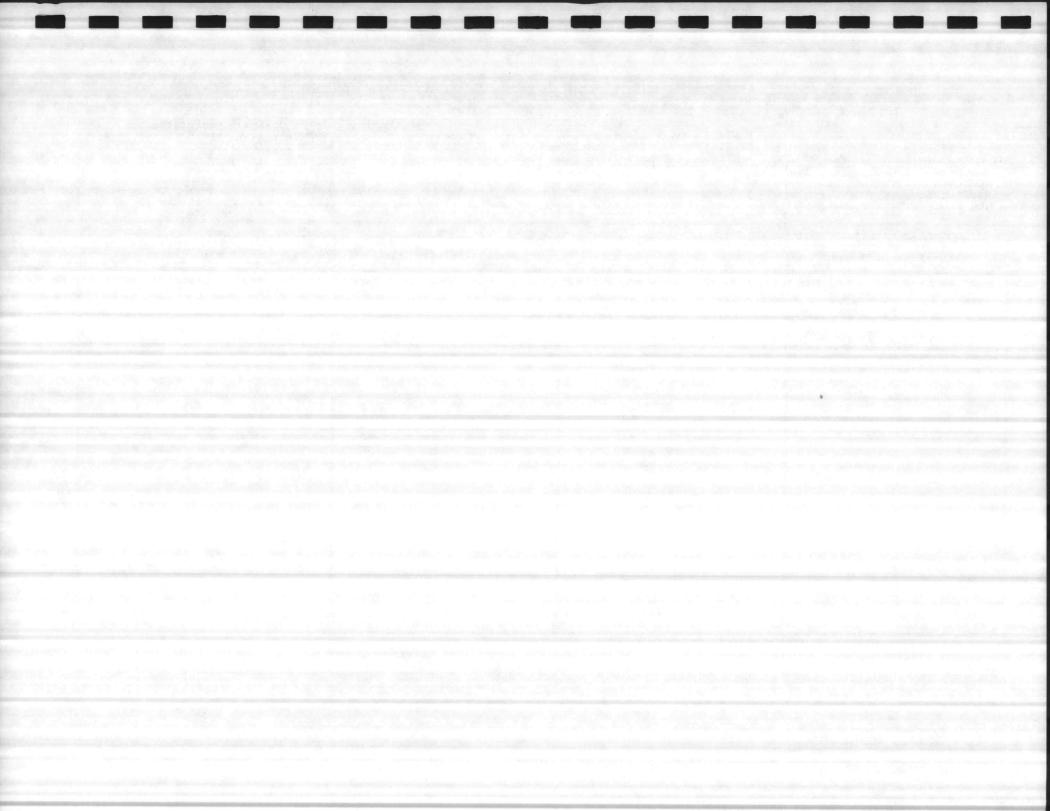
DATE: 03/05/87

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



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
네트를 내용하는 하는 회사는 사람들이 한 회사는 것은 사람들의 학생들이 되었다. 그는 사람들이 없는 사람들이 살아보니 사람들이 되었다.	NA		

FILE NAME: LP010104
PAGE 6 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



SUBMITTED BY: D. J. Hashagen, S	Sr., DRCO, AV 484-2102	DATEST SOLV ALRA (FLAME-A-6007) (TYPE RANGE FACILITY: X Live-Fire Full Caliber Live-Fire Subcaliber	
RANGE NAME AND LOCATION: GP-33, MCB, Camp Lejeune, NC Gun Position INSTRUCTIONS: One form for each range/facility/simulator Fill in data elements as appropriate Use right column for new or improved ranges needed		INTICOPATED OR BROWN CHANGES (TRULDDE YEAR)	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)	60 X 120 yds			
Primary Direction of Fire Associated Air Space	1100 MILS/62 degrees (G-10) 6200 MILS/350 degrees (K-2) 17,999 ft; 399 sq km			
Coordinates	TP81403040			
Safety Buffer				
Rear (km)				
Number of Firing Points/ Stations	6			
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station. Parking Area. Viewing Area.				

FILE NAME: LP010105
PAGE 1 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._

		Sange Facilities (continued) Demonstration Ares Peachast Peachast Paster System Pater S
		Telemetry Trevenentashon. TReconstruction. I Reconstruction. LAST Launch Fargmeters.
		Are Thore Associated
		POTOTORY AND WATER

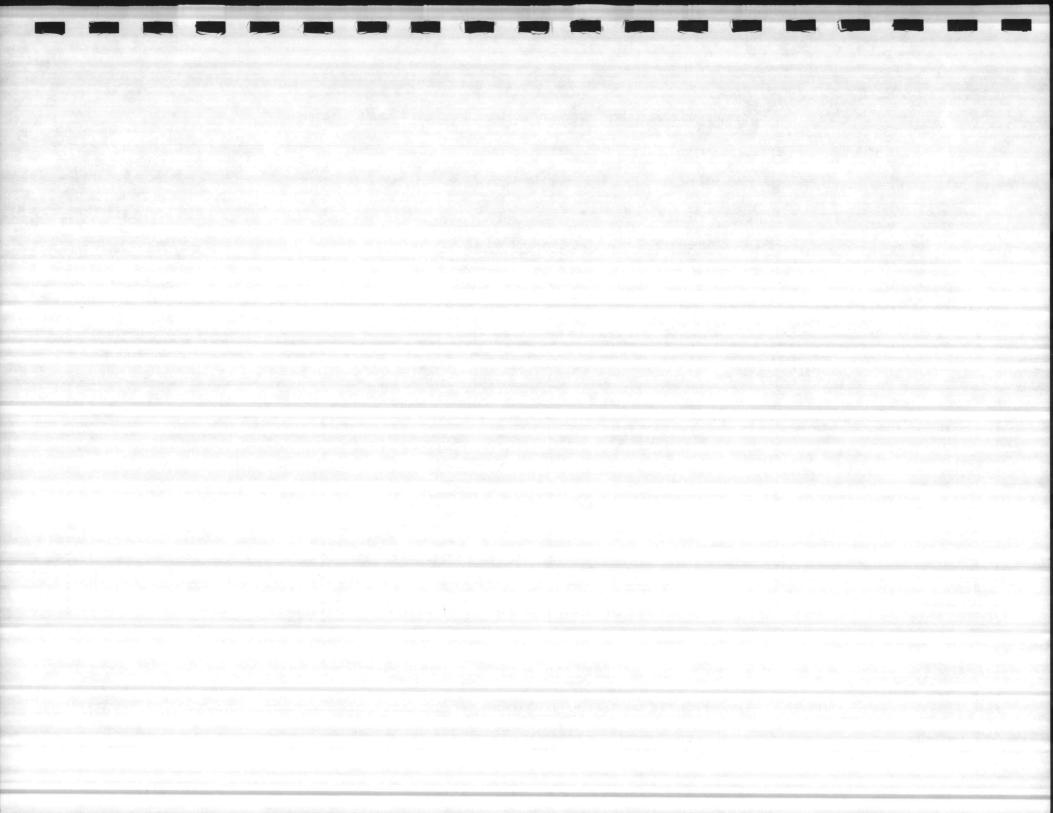
TAR MAME: LEGIGIOS

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			
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	the Company of the Co		
Target Types Pop-up Stationary Moving Revolving Other	 		
Are There Associated Simulation Devices? Yes, No, NA	I NA		

FILE NAME: LP010105 PAGE 2 OF 6 DATE:

DATE: 03/05/87

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

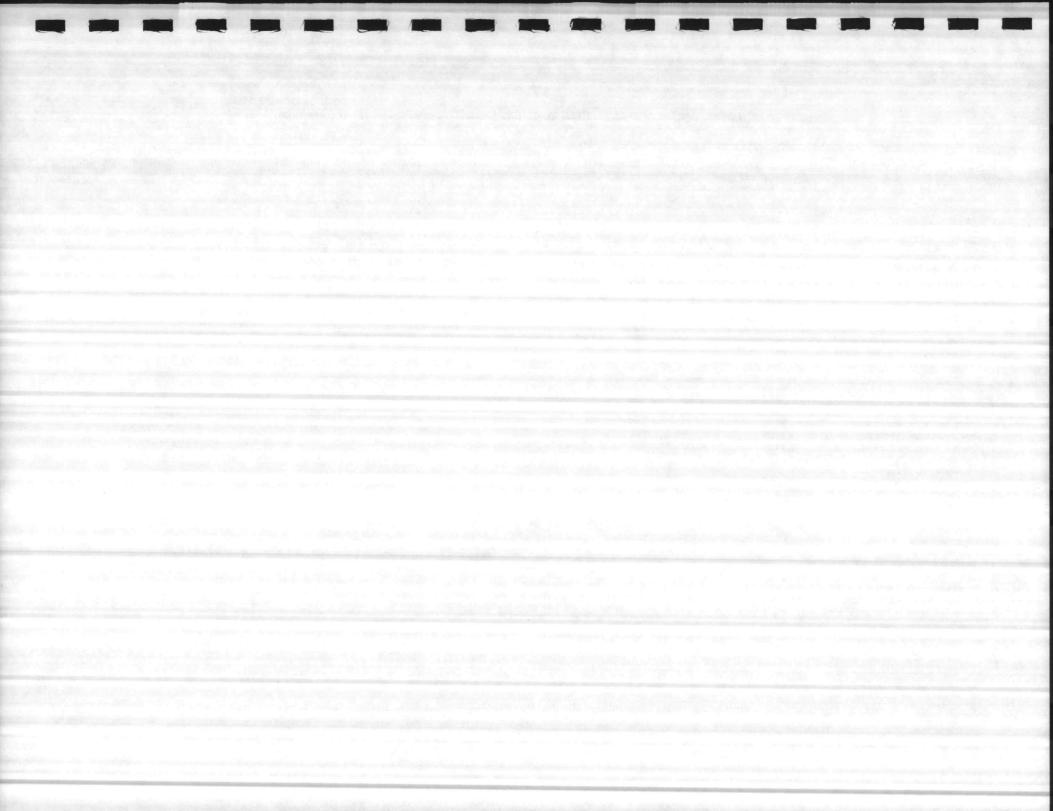


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	105-mm, 155-mm, 8-in		
Climate Seasonal		NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	98 2 	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	98 	NOT APPLICABLE	NOT APPLICABLE

FILE NAME: LP010105 PAGE 3 OF 6 DATE:

DATE: 03/05/87

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

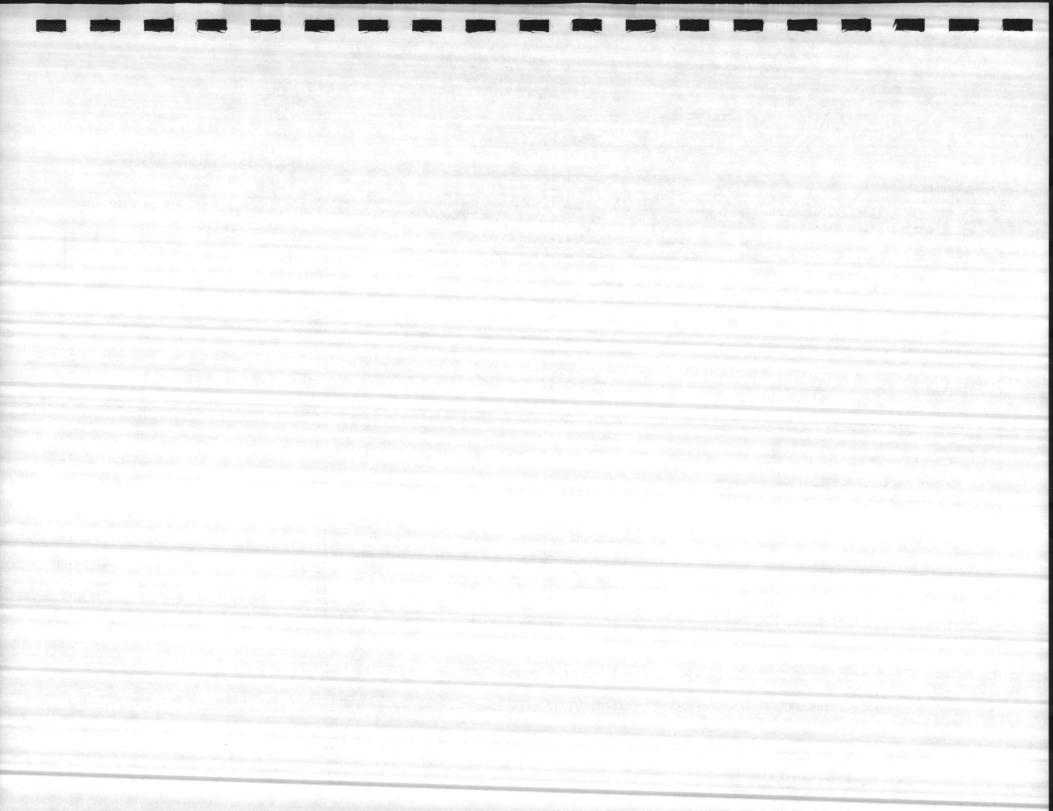


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas			
Distance from Supply Points POL (km)	11		
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	1355		
Is Range/Facility Capable of Nighttime Use? Yes, No	 Yes 		

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PAGE 4 OF 6 DATE: 03/05/87

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

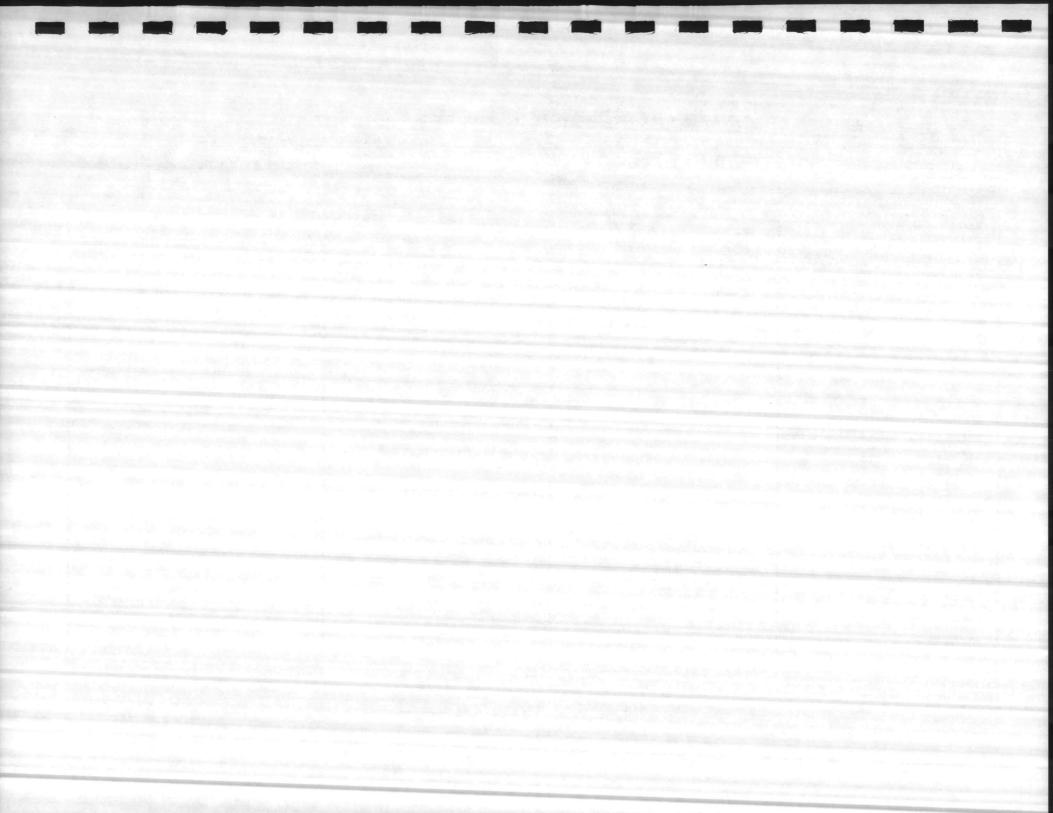


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	10 	0	0
 	NA		
 	NA		

FILE	NAME:	LP0101	05

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

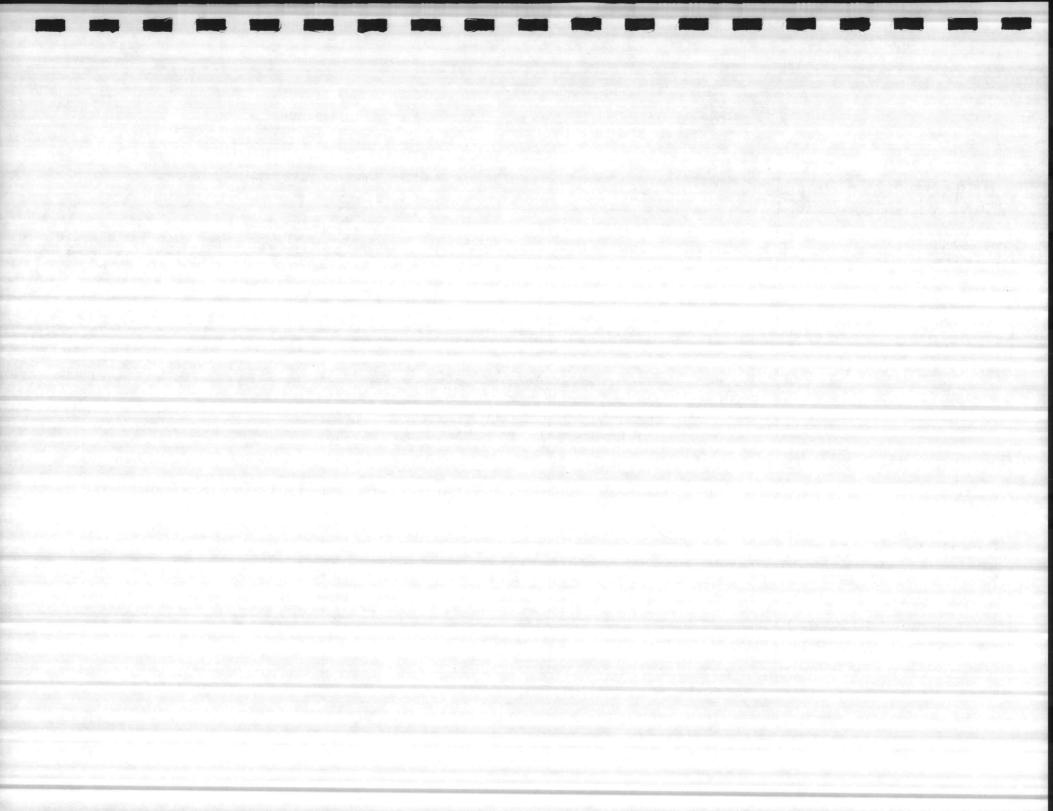


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
destrictions on Range Use	INA		
AICUZ	provide a provide de la companya de	of the state of th	
Noise		i	
Gas/Chemical Pyrotechnics/Flare			
Time of Day		1	
Other			
		1	
And the second s			
		A THE CONTRACT OF THE CONTRACT	
party and the second of the se			

FILE NAME: LP010105

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

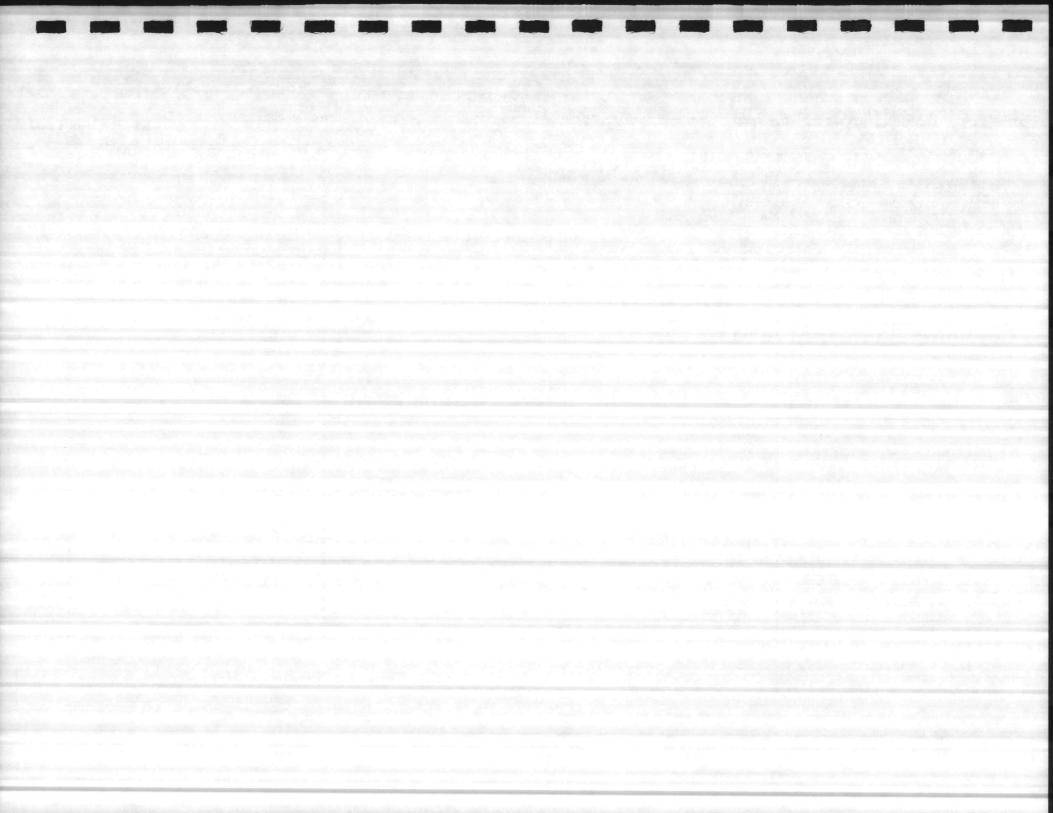


SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY:	
	X Live-Fire Full Caliber	
	Live-Fire Subcaliber	
RANGE NAME AND LOCATION: GP-34, MCB, Camp Lejeune, NC	Simulator	
Gun Position	Maneuver Area	
INSTRUCTIONS:	Associated Air Space	
One form for each range/facility/simulator	Other	
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)	DESTRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
Range Shape and Dimensions Dimensions (km)	80 X 90 yds		
Primary Direction of Fire Associated Air Space	1240 MILS/70 degrees (G-10) 6200 MILS/350 degrees (K-2) 17,999 ft; 399 sq km		
Coordinates	TP80703110		
Safety Buffer Rear (km) Sides (km)	NA		
Number of Firing Points/ Stations	6		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area			

FILE NAME: LP010106
PAGE 1 OF 6 DATE: 03/05/87

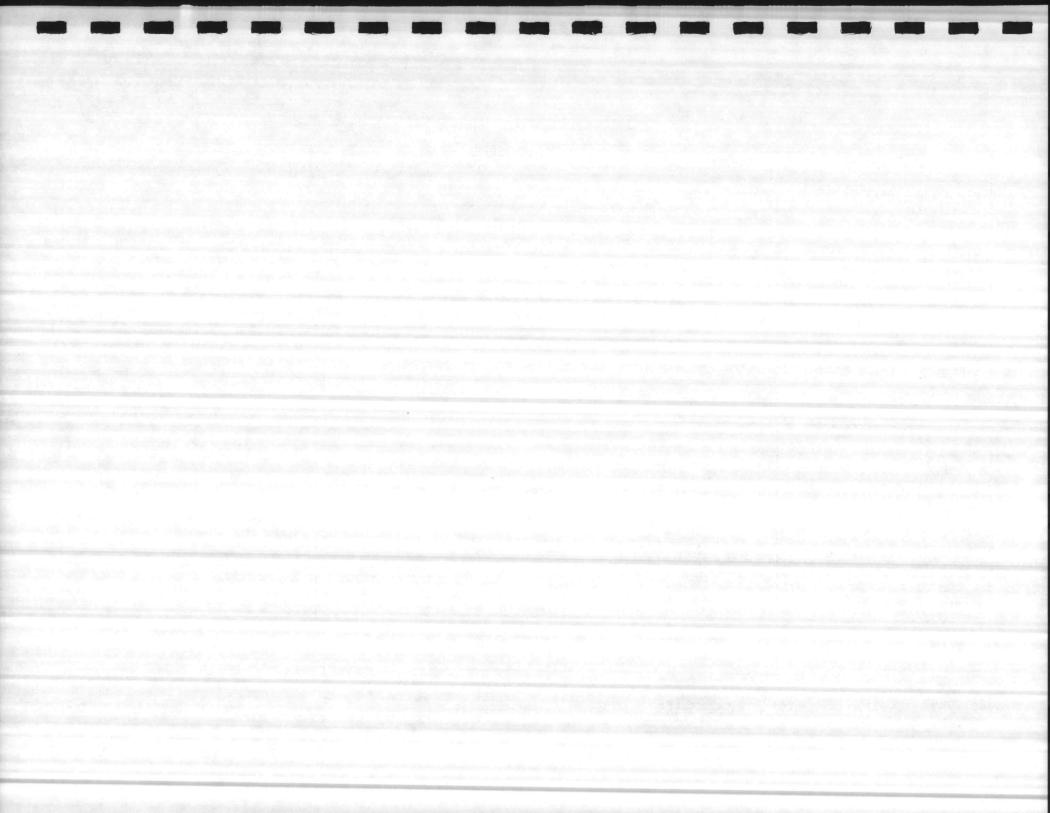
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



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			
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other			
Target Types Pop-up Stationary Moving Revolving Other			
Are There Associated Simulation Devices? Yes, No, NA	NA		

FILE NAME: LP010106
PAGE 2 OF 6 DATE: DATE: 03/05/87

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



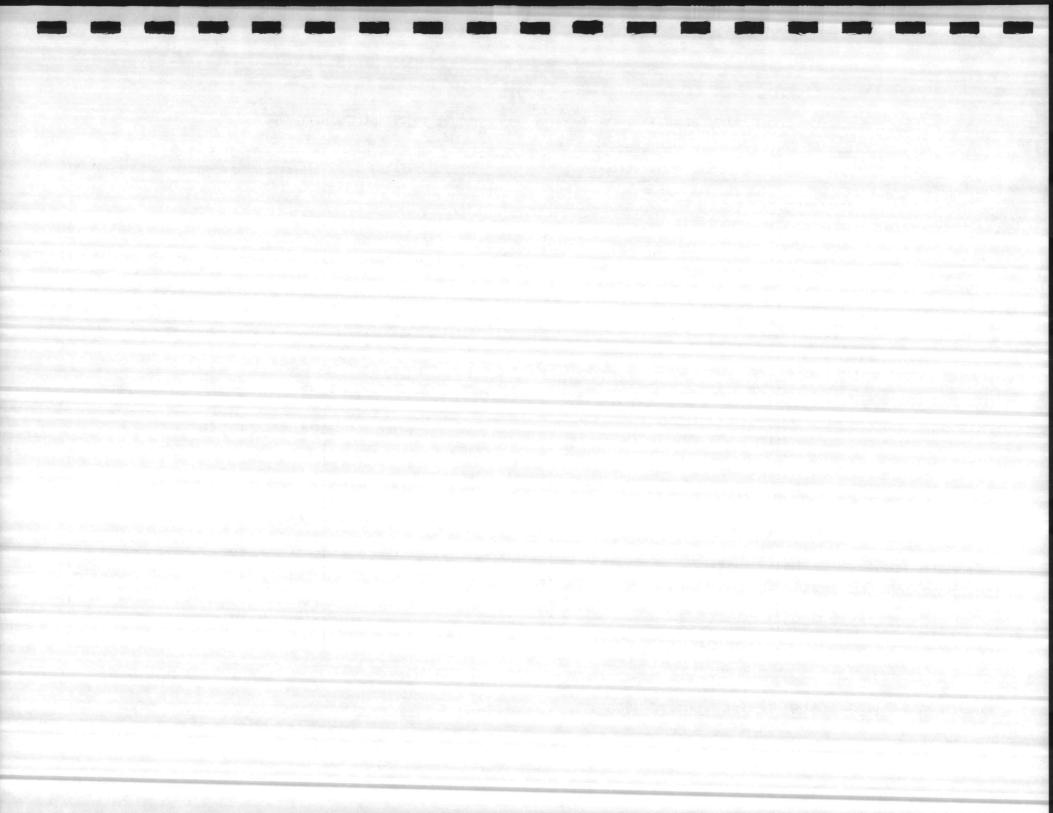
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	105-mm, 155-mm, 8-in		
Climate Seasonal Tropic Temperate			
Arctic DesertAll-Weather (Indoor) Other		NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling			
Percentage Swamp Percentage Desert Percentage Beach Percentage Level		NOT APPLICABLE	NOT APPLICABLE
Percentage Water			
Soil Type			
Percentage Rock Percentage Sand Percentage Clay	10 	NOT APPLICABLE	NOT APPLICABLE
Percentage Swamp/Marsh Percentage Loamy Percentage Other	And the state of t		

FILE NAME: LP010106

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

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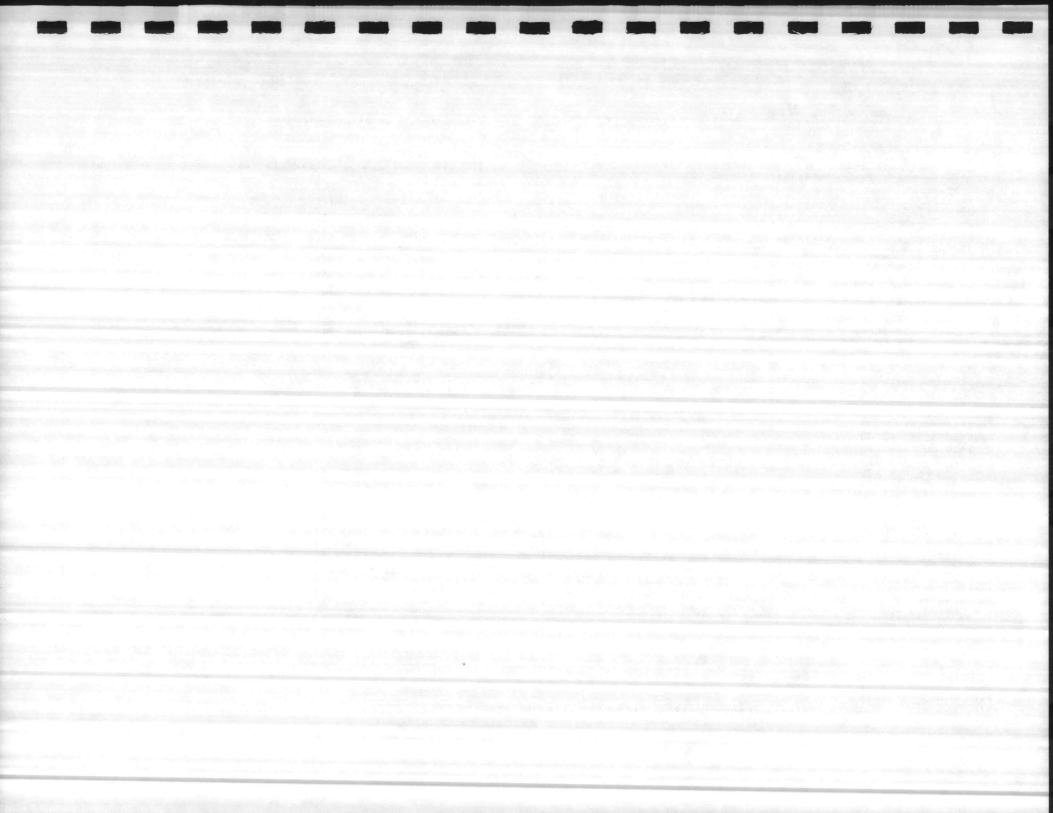


DATA ELEMENT	PRESENT CHARACTERIST	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy			
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	2 		[44] [44] [44] [44] [44] [45] [45] [45]
Distance from Supply Points POL (km)	11	(BAT) [1] [1] [1] [1] [1] [2] [2] [2] [2] [2] [2] [2] [2] [2] [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	Undefined		
Number of Days per Year the Range/Facility is Available	 355 		
Is Range/Facility Capable of Nighttime Use? Yes, No	 Yes 		

FILE NAME: LP010106

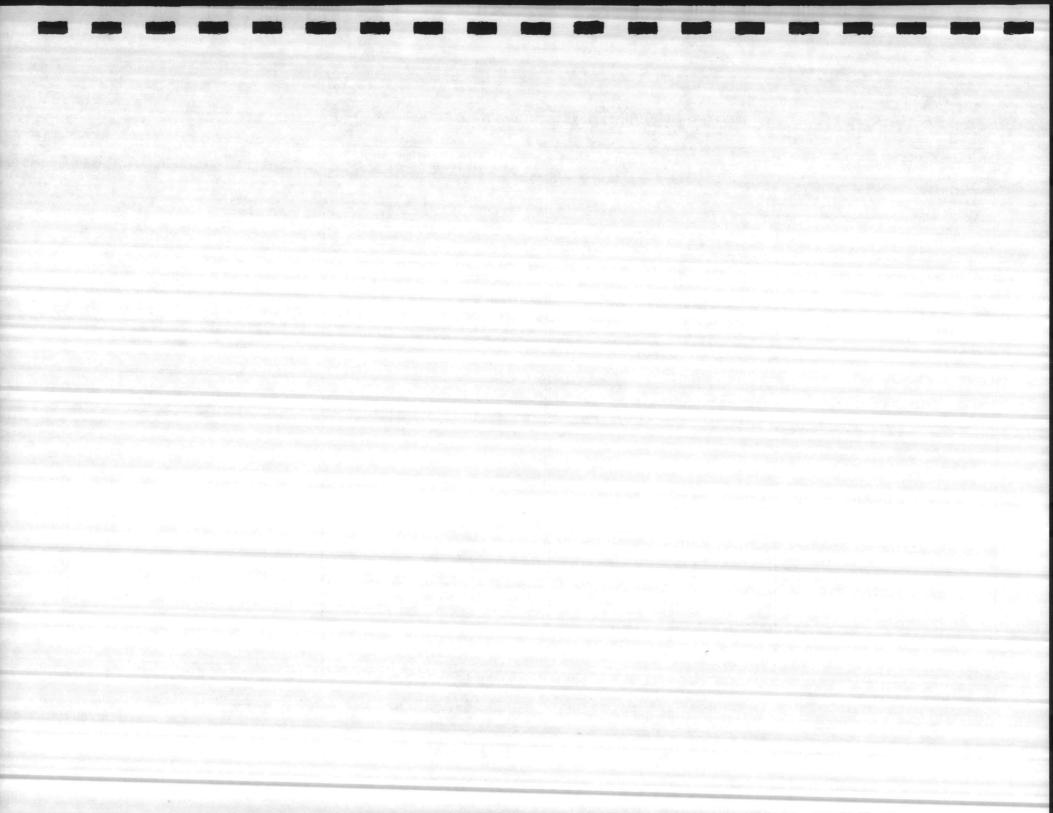
PAGE 4 OF 6 DATE: 03/05/87

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



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS
Non-availability per Year Total	10 	0	0
	 TLZ Hawk, TLZ Jaybird, TLZ Dove 		
	NA		

FILE NAME: LP010106
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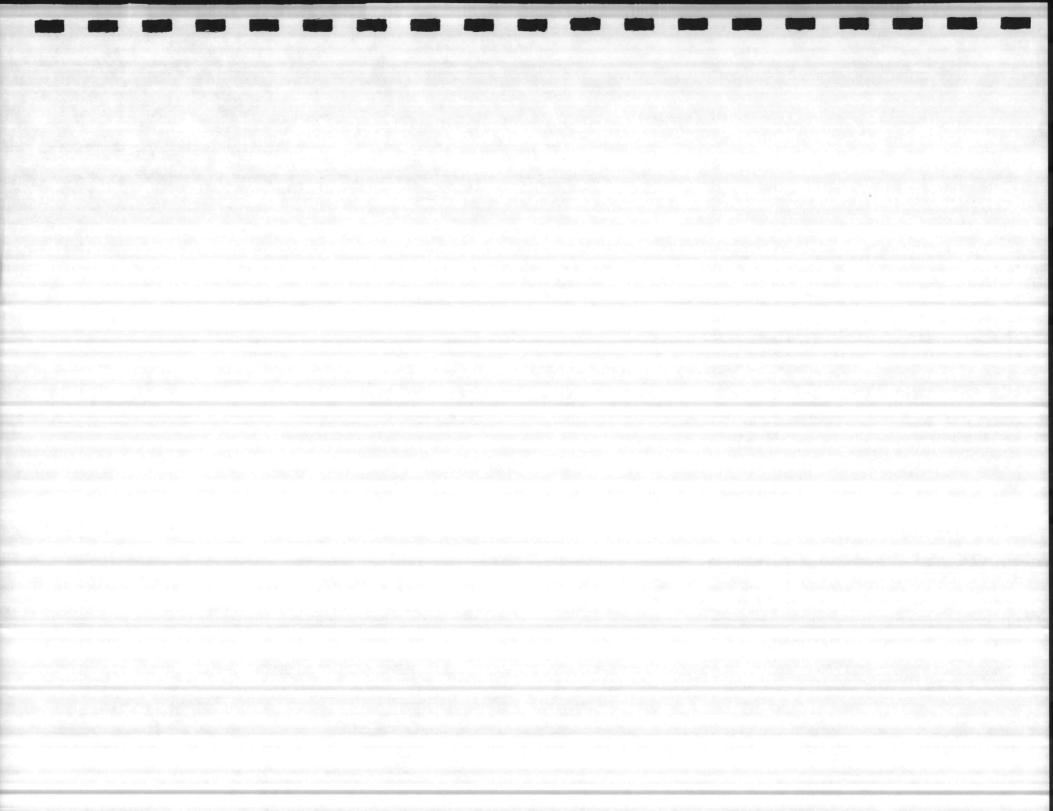


DATA ELEMENT	 PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Environmental	INA I		
FAA Noise Gas/Chemical Pyrotechnics/Flare			
Time of Day Time of Year Other			
	i	· i	· ii

FILE NAME: LP010106

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



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-210	SUBMITTED	BY:	D. J.	Hashagen,	Sr.,	DRCO,	AV	484-2102
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RANGE NAME AND LOCATION: GP-39, MCB, Camp Lejeune, NC Gun Position INSTRUCTIONS:

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

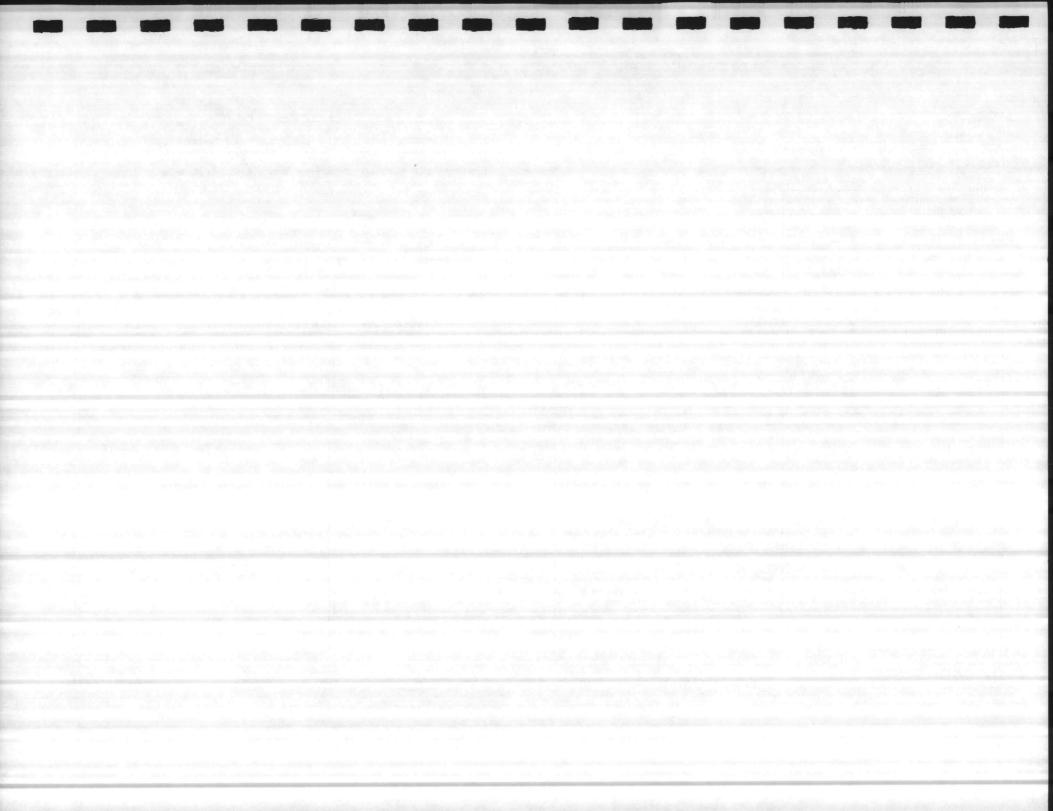
TYPE	RANGE FACILITY:
X	Live-Fire Full Caliber
	Live-Fire Subcaliber
	Simulator
	Maneuver Area
	Associated Air Space
	Other

PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
50 X 71 yds		
1000 MILS/55 degrees (G-10) 5400 MILS/304 degrees (K-2) 17,999 ft; 399 sq km		
TP85193078		
NA	-	
6		
The state of the s	50 X 71 yds 1000 MILS/55 degrees (G-10) 5400 MILS/304 degrees (K-2) 17,999 ft; 399 sq km TP85193078	50 X 71 yds 1000 MILS/55 degrees (G-10) 5400 MILS/304 degrees (K-2) 17,999 ft; 399 sq km TP85193078

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DATE: 03/05/87 PAGE 1 OF 6

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

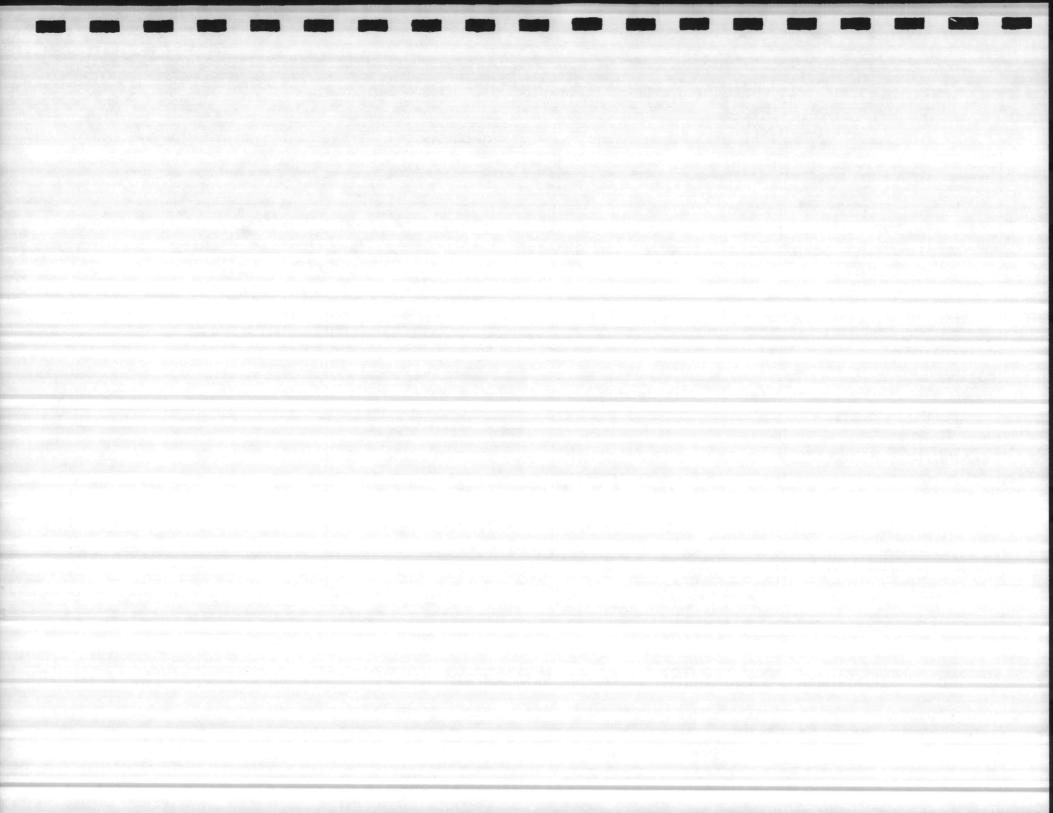


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site Other			
Telemetry Instrumentation Scoring Reconstruction Air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

FILE NAME: LP010107

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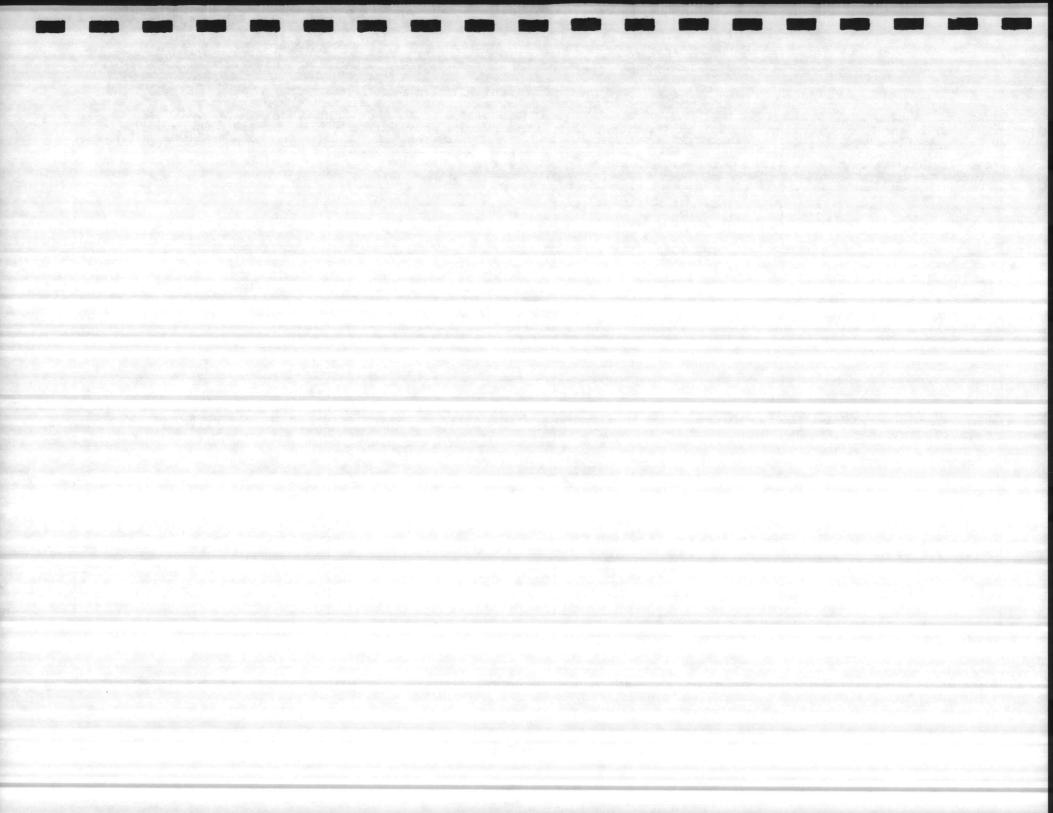
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	105-mm, 155-mm, 8-in		
Climate Seasonal		NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	30 	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	100	NOT APPLICABLE	NOT APPLICABLE

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



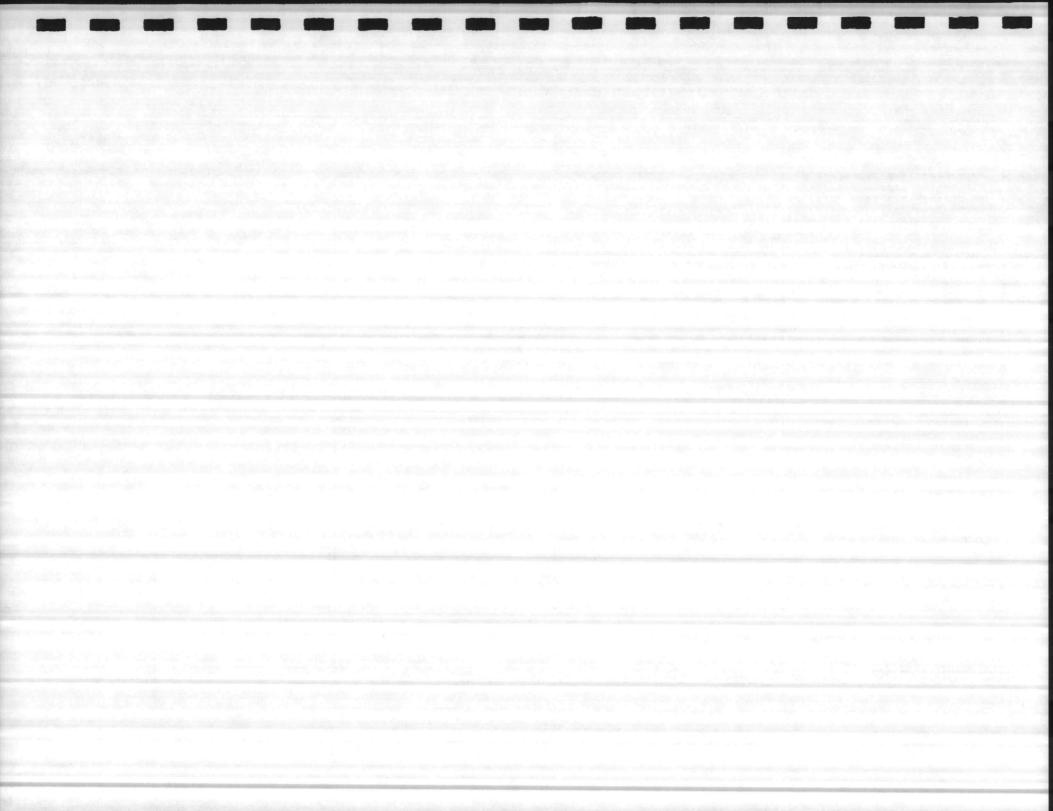
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas			
Distance from Supply Points POL (km) Annunition (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	355		
Is Range/Facility Capable of Nighttime Use? Yes, No	Yes		

FILE NAME: LP010107
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RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

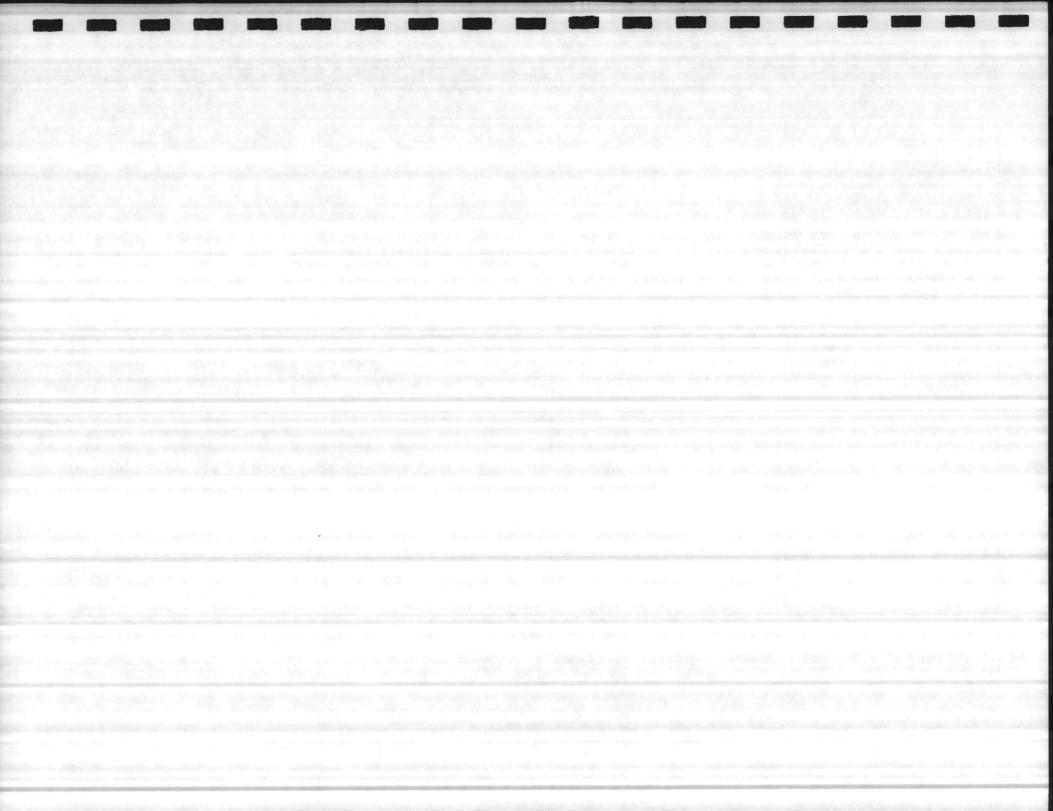
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays	10 	0	0
	TLZ Hawk, TLZ Jaybird, TLZ Dove, TLZ Dodo 		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	NA		
Are There Site-unique Requirements Placed on Using Units? Yes, No, Explain	NA		

FILE NAME: LP010107
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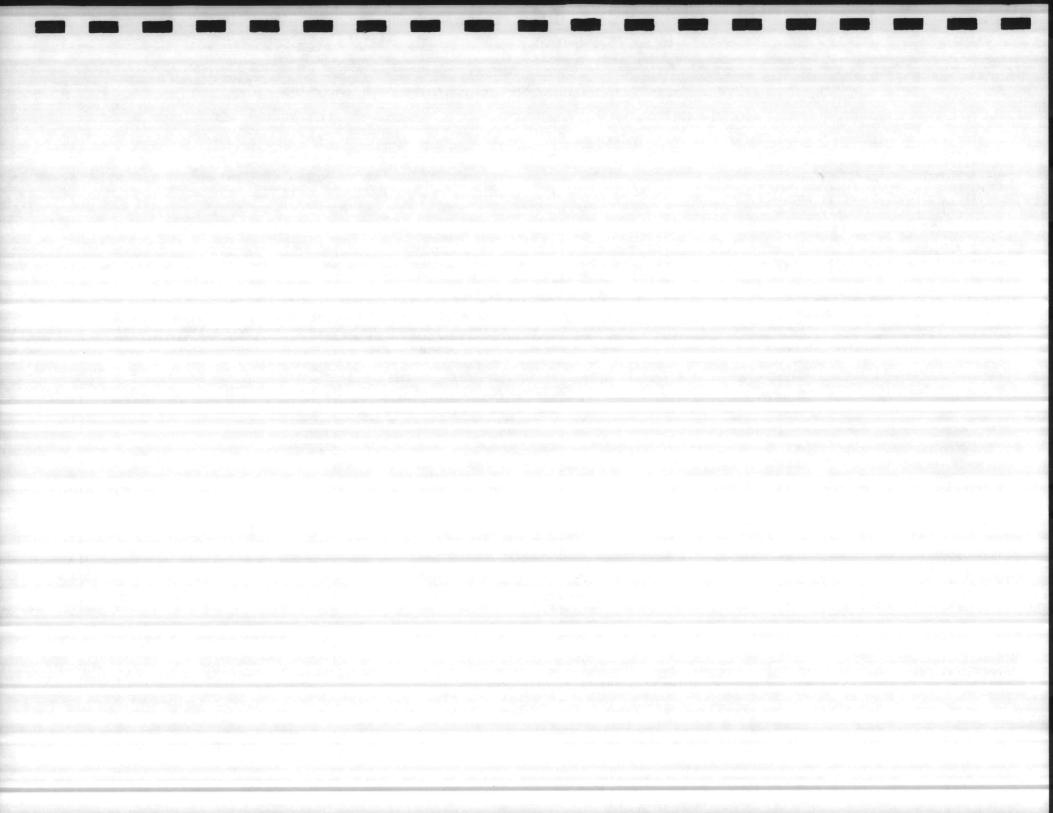
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._



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

FILE NAME: LP010107
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RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

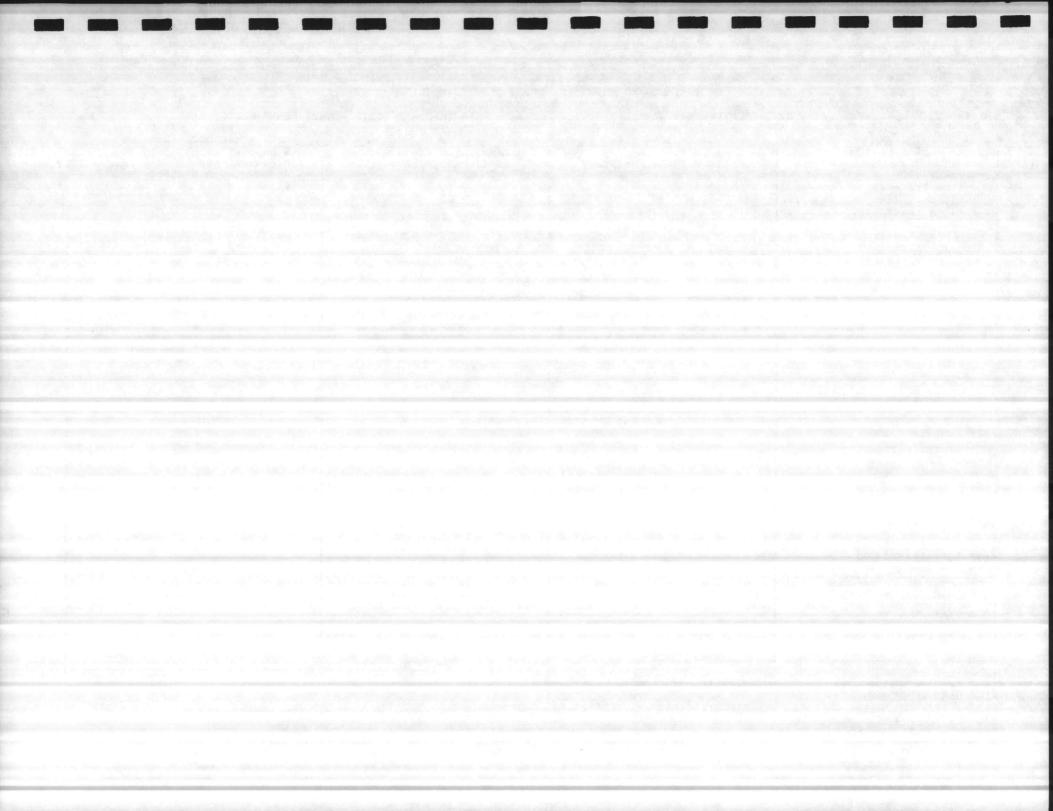


SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY: Live-Fire Full Caliber
RANGE NAME AND LOCATION: GP-40, MCB, Camp Lejeune, NC Gun Position INSTRUCTIONS: One form for each range/facility/simulator Fill in data elements as appropriate	Live-Fire Subcaliber Simulator Maneuver Area Associated Air Space Other
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)	40 X 60 yds		
Primary Direction of Fire Associated Air Space	1320 MILS/74 degrees (G-10) 4800 MILS/270 degrees (K-2) 17,999 ft; 399 sq km		
Coordinates	TP86453381		
Safety Buffer Rear (km) Sides (km) Altitude (ft)	NA NA		
Number of Firing Points/ Stations	6		
Range Facilities Control Tower Communications System Target Shed Utility Building. Aid Station Parking Area Viewing Area			
			-

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

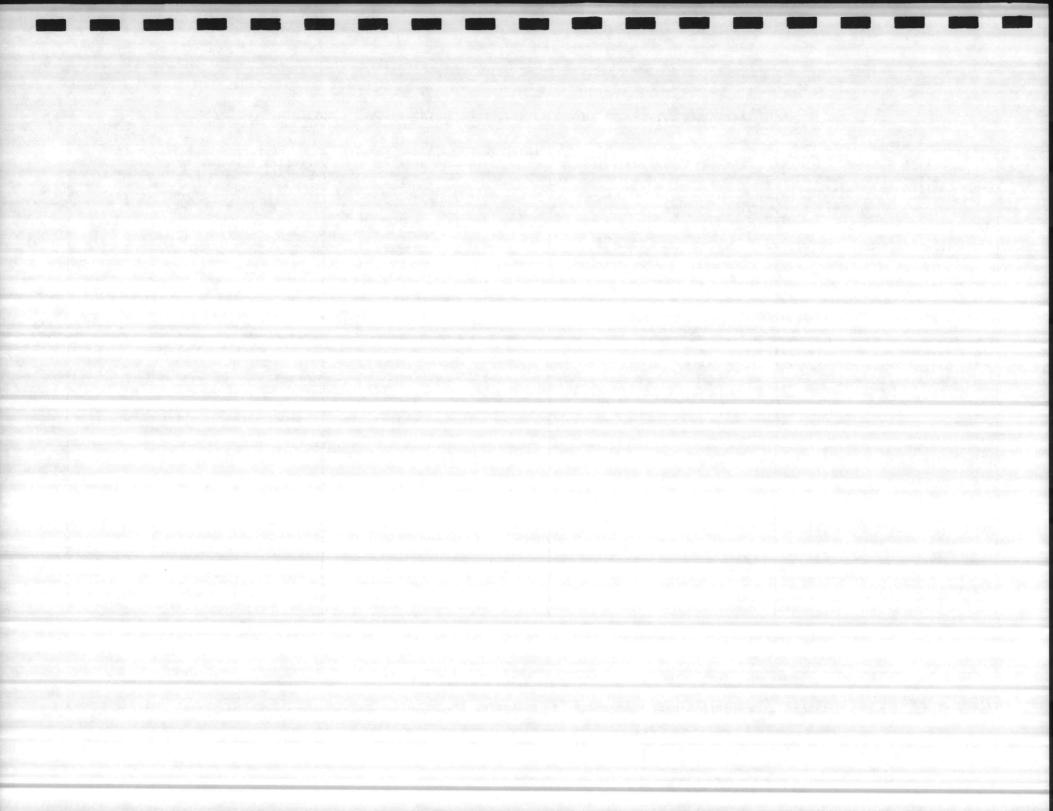


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site			
Telemetry Instrumentation Scoring			
Target Types Pop-up Stationary Moving Revolving Other			

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



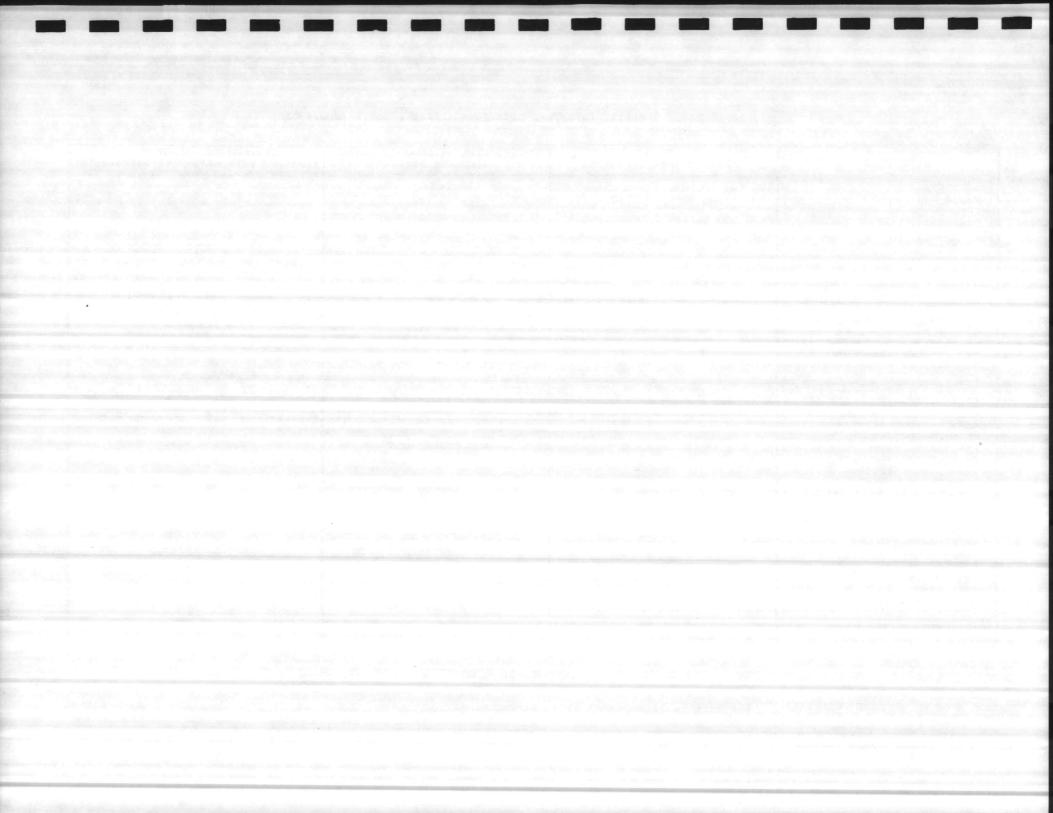
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	 105-mm, 155-mm, 8-in 		
Climate Seasonal		NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	120 	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: LP010108

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

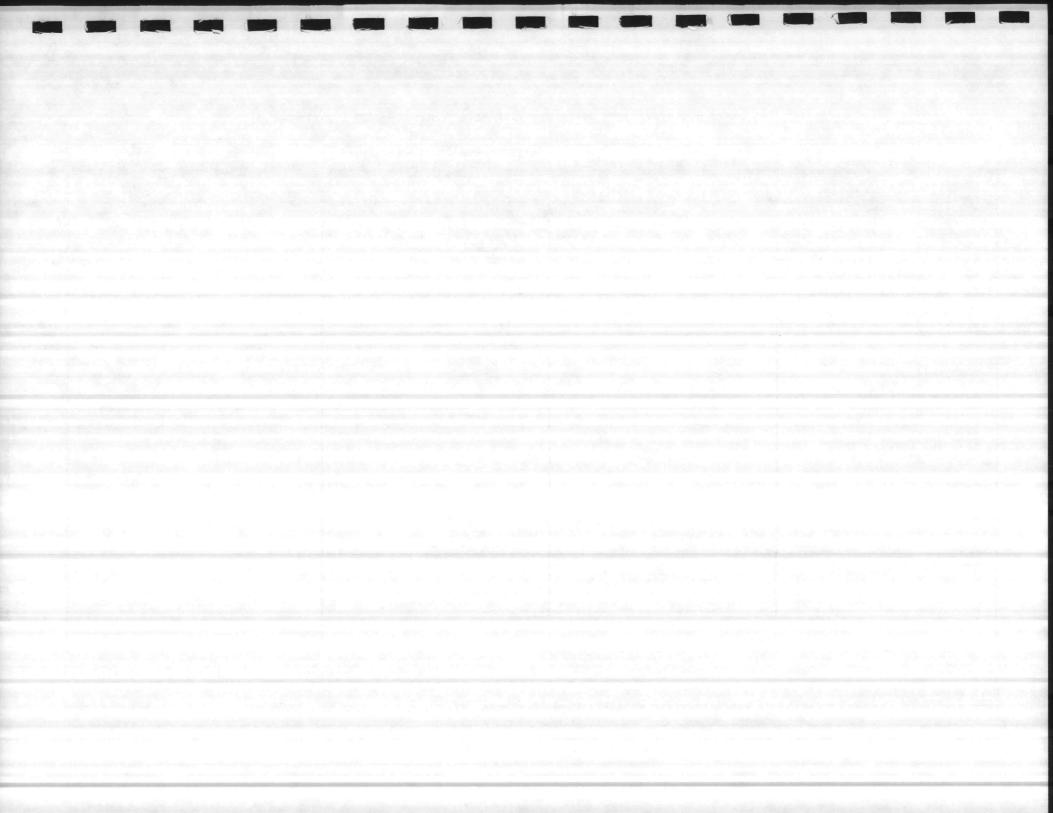


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	l 120		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas			
Distance from Supply Points POL (km) Ammunition (km) Rations (km)	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	Undefined		
Number of Days per Year the Range/Facility is Available	355		
Is Range/Facility Capable of Nighttime Use? Yes, No	Yes		

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

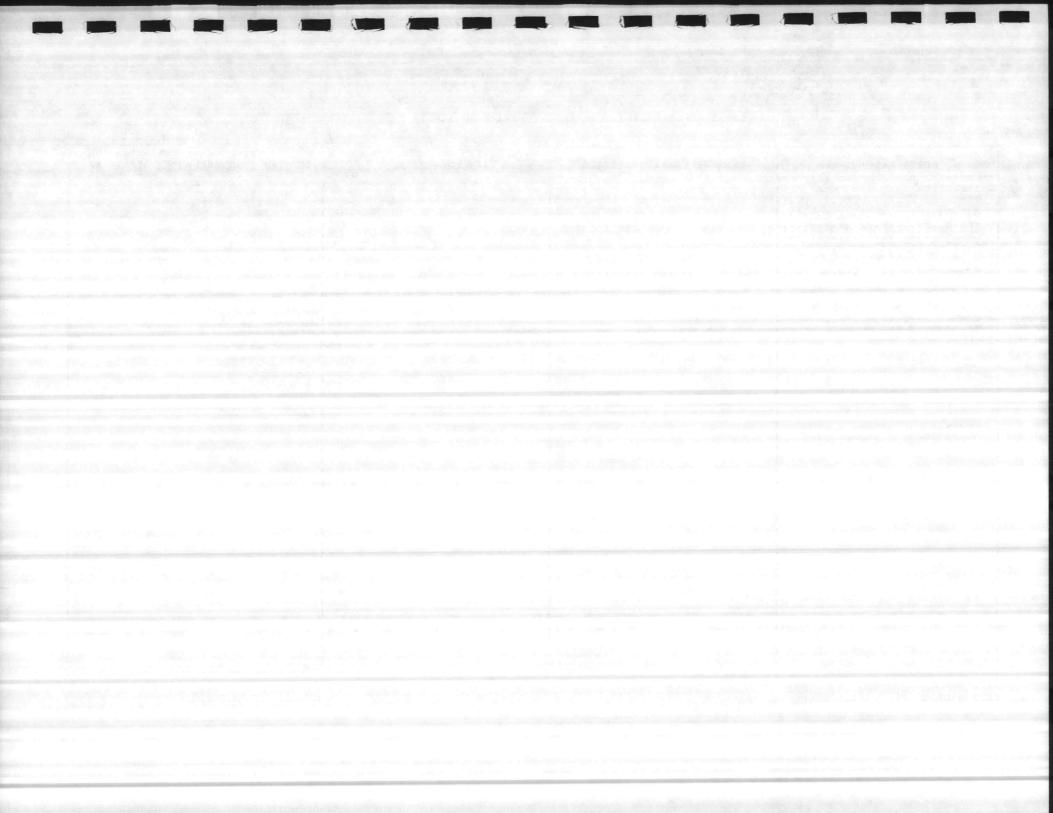


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	10 		
 	 TLZ Jaybird 		
 	I NA		
Are There Site-unique Requirements Placed on Using Units? Yes, No, Explain	NA		

FILE NAME: LP010108

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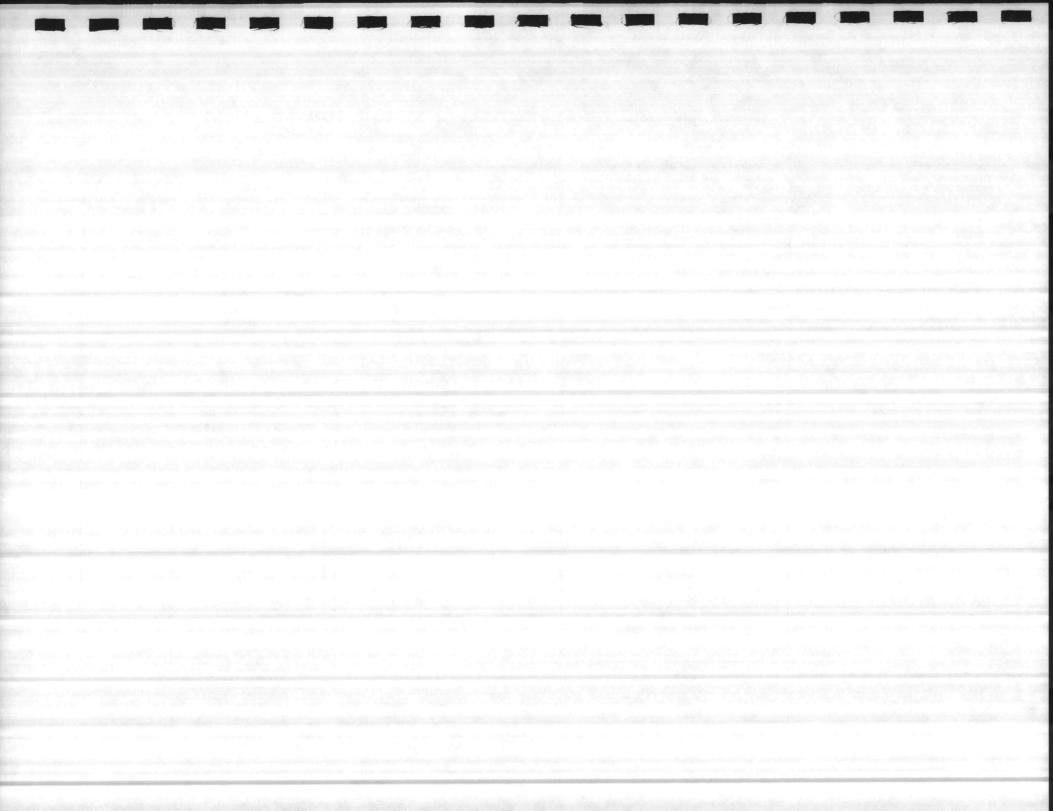
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
	INA		
Environmental			
FAA Noise			
Gas/Chemical	And the control of the Market of the Control of the	i	
Pyrotechnics/Flare Time of Day			
Time of Year			
Other			
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RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



SUBMITTED BY: D. J. Hashagen, S	Sr., DRCO, AV 484-2102		TYPE RANGE FACILITY: Live-Fire Full Caliber Live-Fire Subcaliber
RANGE NAME AND LOCATION: GP-41 Gun Position INSTRUCTIONS: One form for each range/faci: Fill in data elements as app Use right column for new or	, MCB, Camp Lejeune, NC lity/simulator		Simulator X 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) Primary Direction of Fire Associated Air Space Coordinates	75 X 80 yds NA 17,999 ft; 399 sq km TP75332924		
Safety Buffer Rear (km)	NA		
Number of Firing Points/ Stations	6		
Range Facilities Control Tower Communications System Target Shed. Utility Building Aid Station. Parking Area. Viewing Area.			

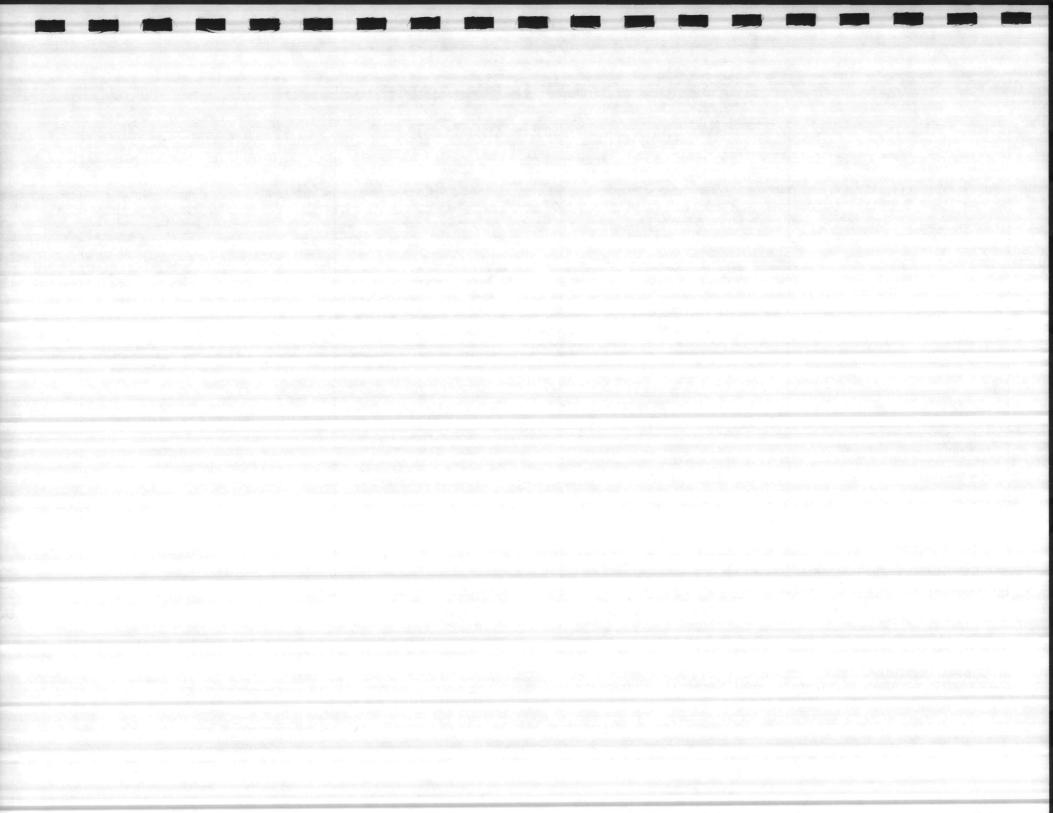
FILE NAME: LP010109
PAGE 1 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.___

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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
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 		
Farget Types Pop-up Stationary Moving Revolving			
Are There Associated Simulation Devices? Yes, No, NA	NA		

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PAGE 2 OF 6 DATE: 03/05/87

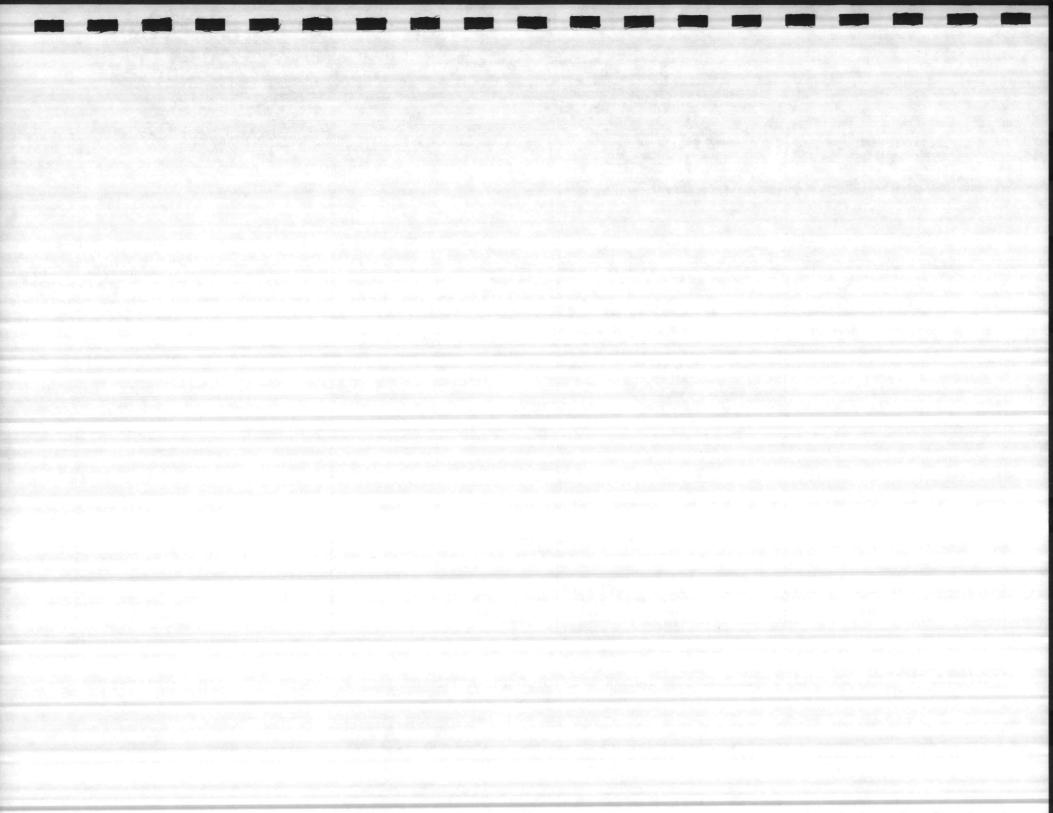
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range			
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	100 	NOT APPLICABLE	NOT APPLICABLE

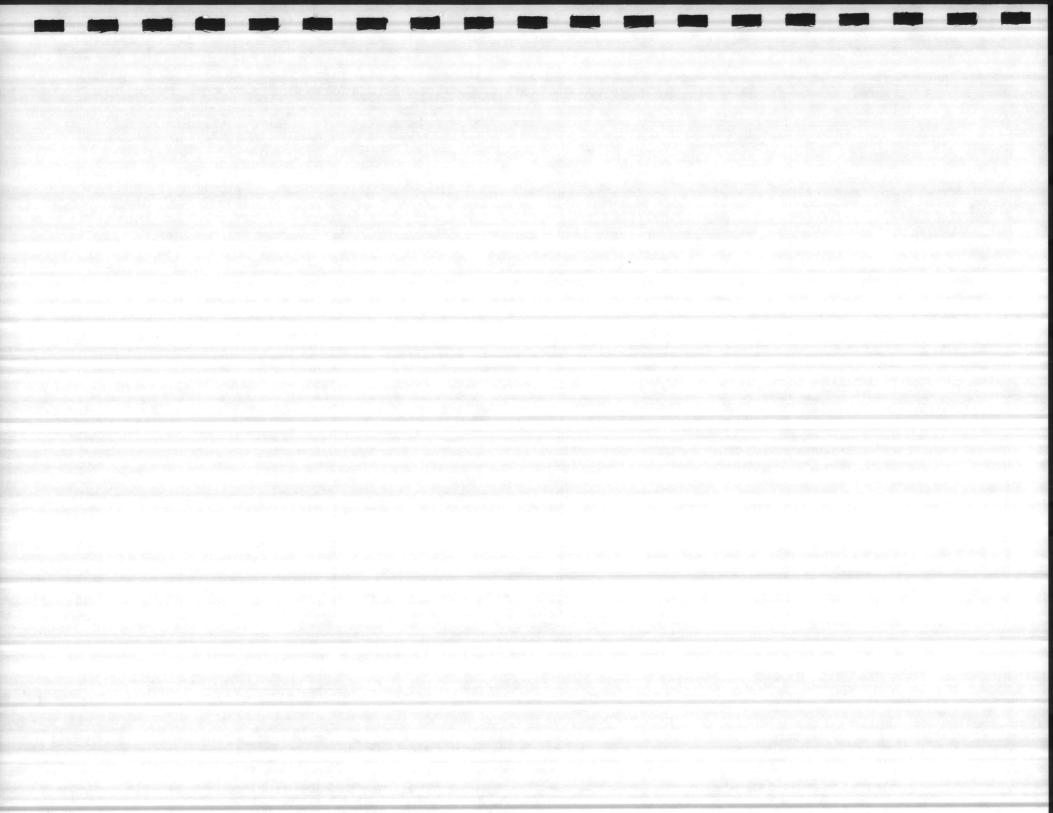
FILE NAME: LP010109
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RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.____



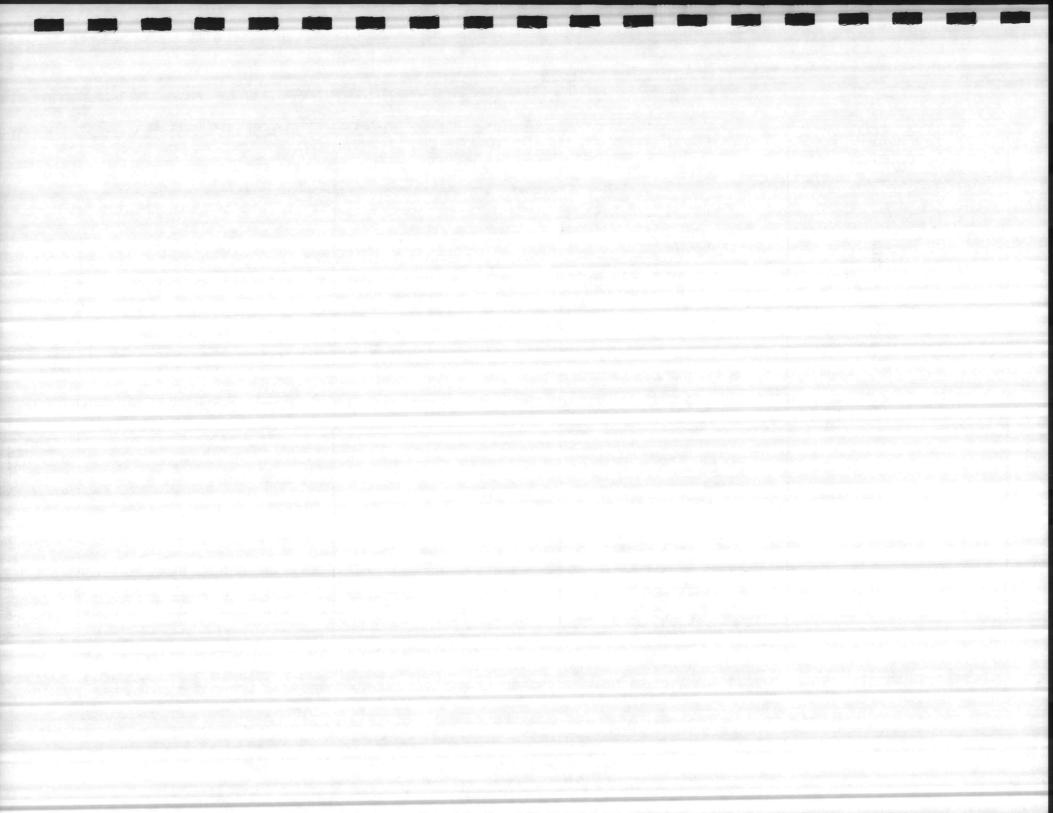
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy			
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas			
Distance from Supply Points POL (km)	NA		
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	Yes		

FILE	NAME:	LP010109	
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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	10	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:	LP010109	
PAGE	5 OF 6	DATE:	03/05/87

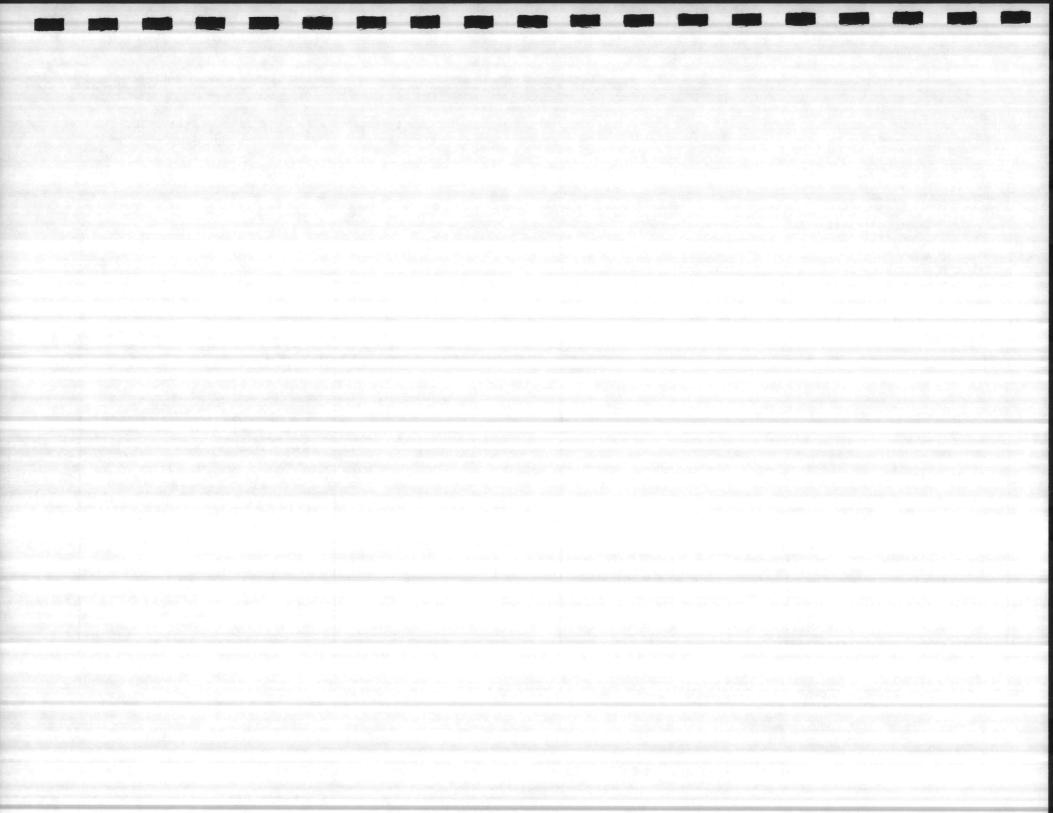


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
	NA 		

FILE NAME: LP010109

PAGE 6 OF 6 DATE: 03/05/87

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



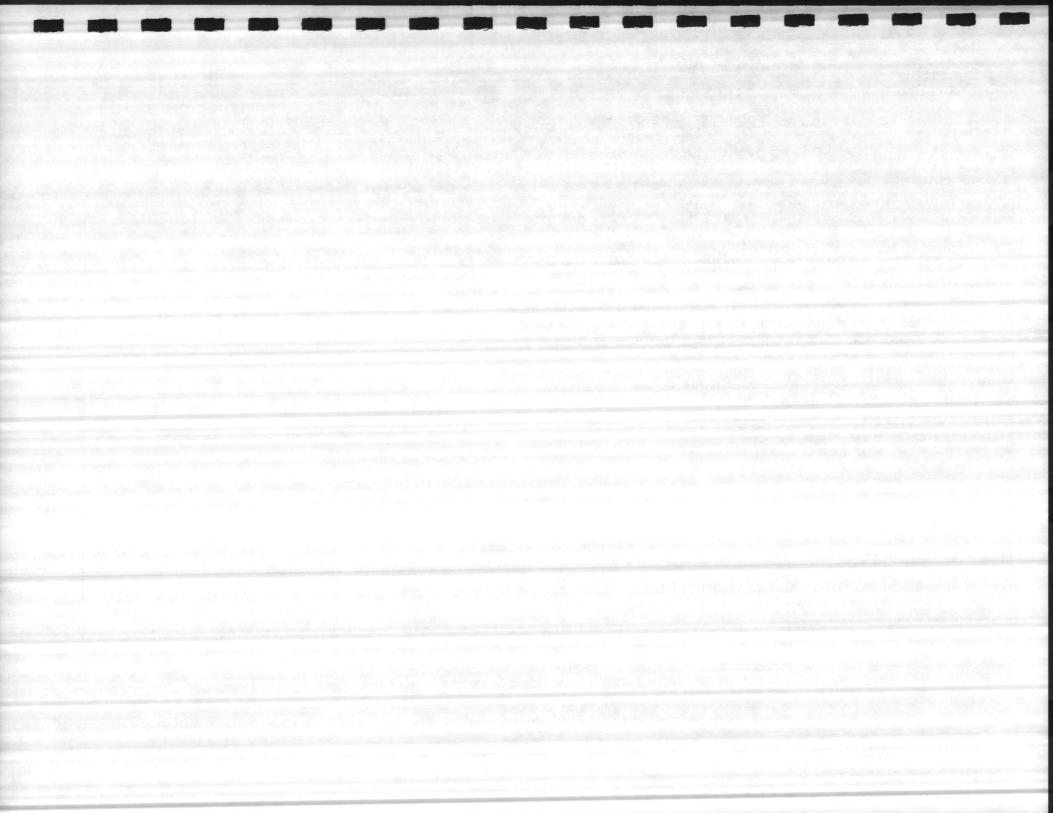
SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY: X Live-Fire Full Caliber
RANGE NAME AND LOCATION: GP-42, MCB, Camp Lejeune, NC	Live-Fire Subcaliber Simulator
Gun Position INSTRUCTIONS:	Maneuver Area Associated Air Space
One form for each range/facility/simulator Fill in data elements as appropriate Use right column for new or improved ranges needed	Other

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km)	140 X 160 yds		
Primary Direction of Fire Associated Air Space	1160 MILS/66 degrees (G-10) 5180 MILS/293 degres (K-2) 17,999 ft; 399 sq km		
Coordinates	TP85423227		
Safety Buffer Rear (km)	NA		
Number of Firing Points/ Stations	6		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area			

FILE NAME: LP010110

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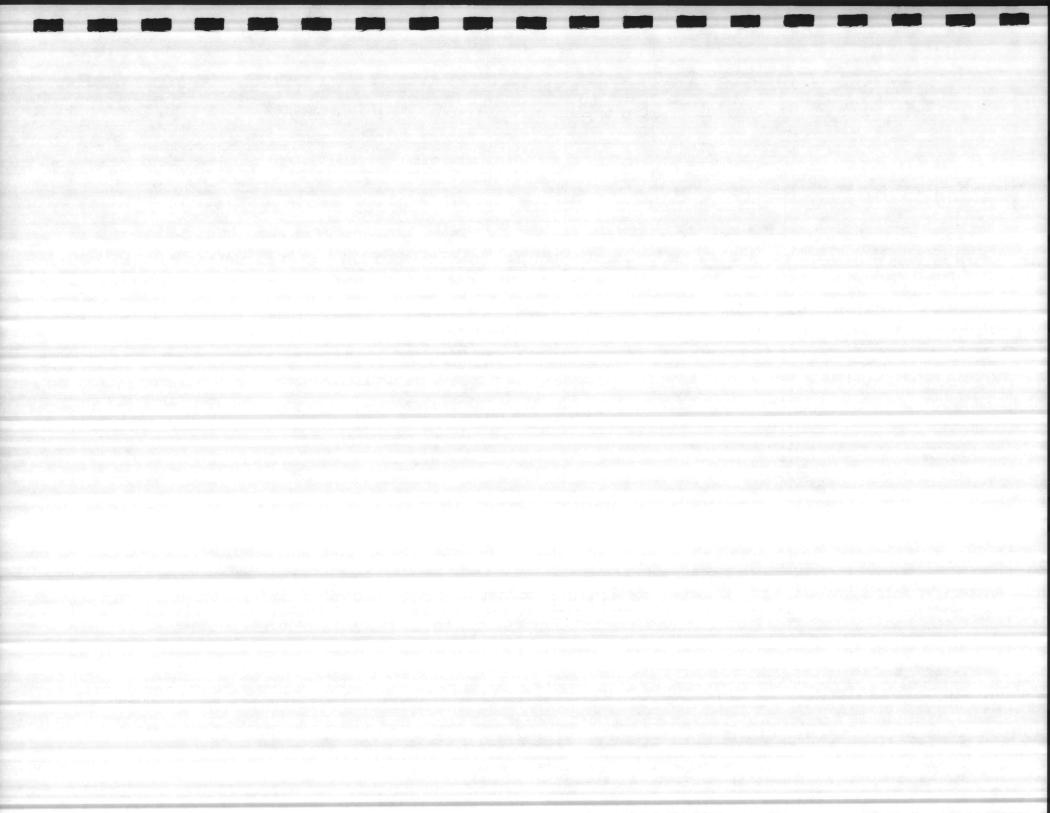
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._



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			
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Target Types Pop-up	NA		
Are There Associated Simulation Devices? Yes, No, NA	NA .		

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

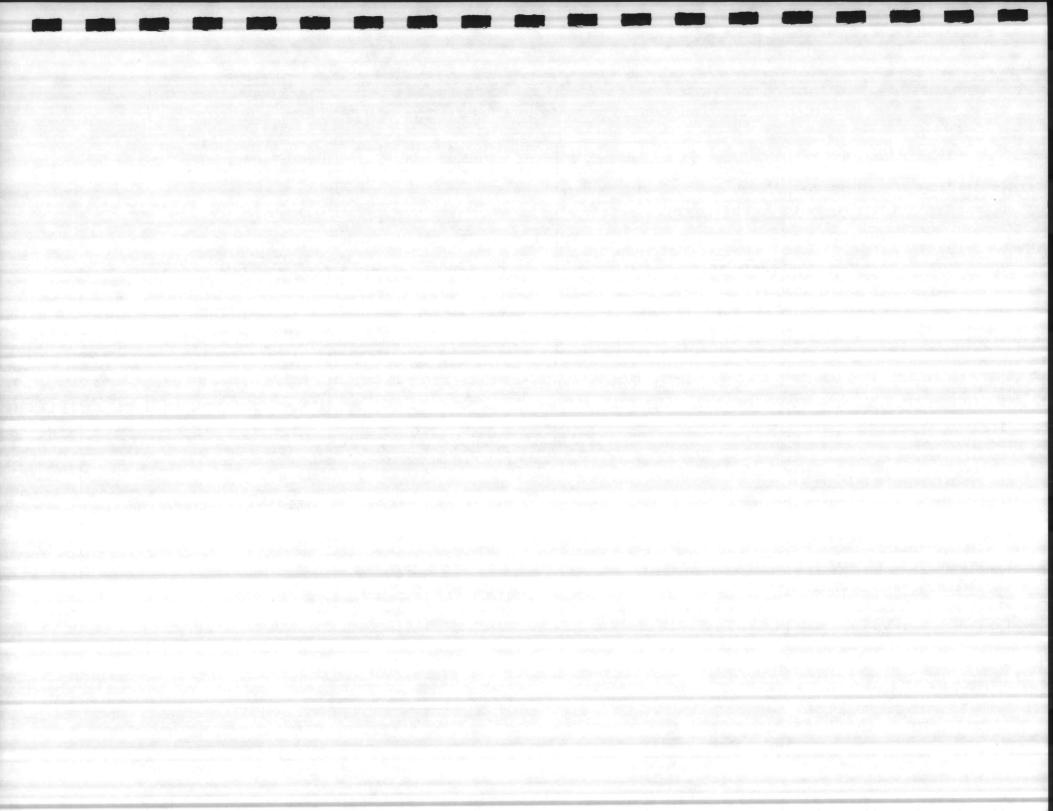


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	105-mm, 155-mm, 8-in		
Climate			-
Seasonal		NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling 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: LP010110

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

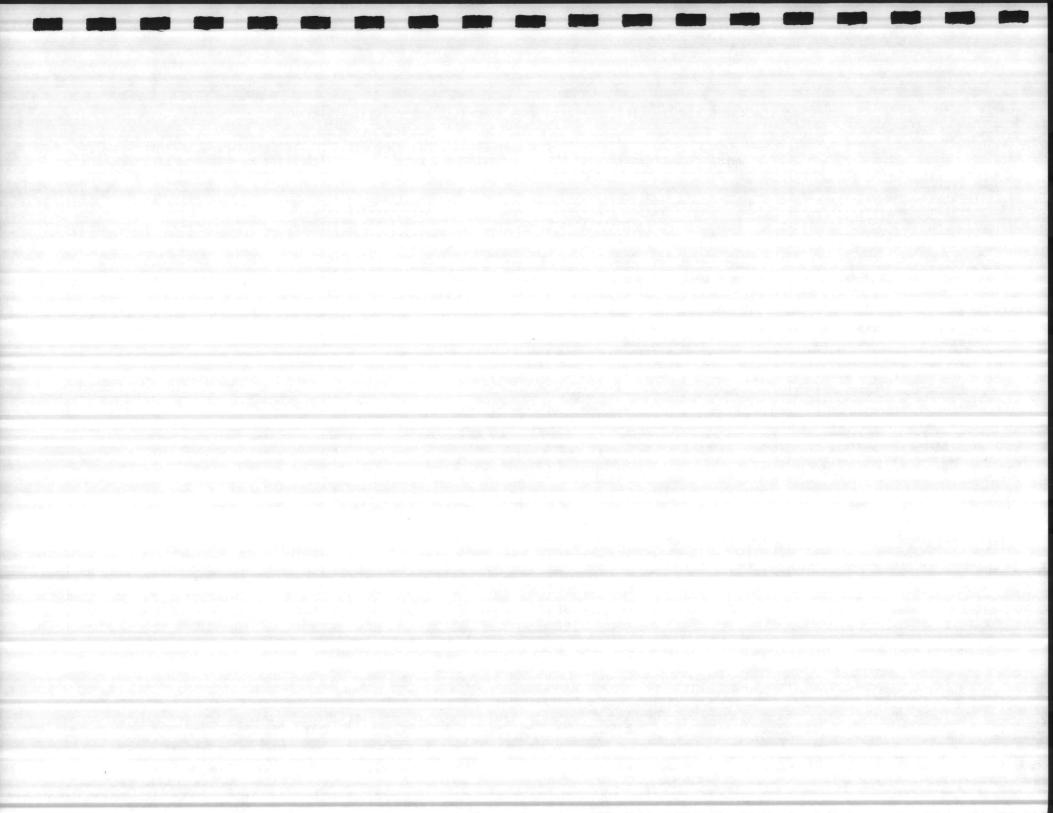


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	2		
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	Undefined		
Number of Days per Year the Range/Facility is Available	355		
Is Range/Facility Capable of Nighttime Use? Yes, No	Yes		

FILE	NAME:	LP010110

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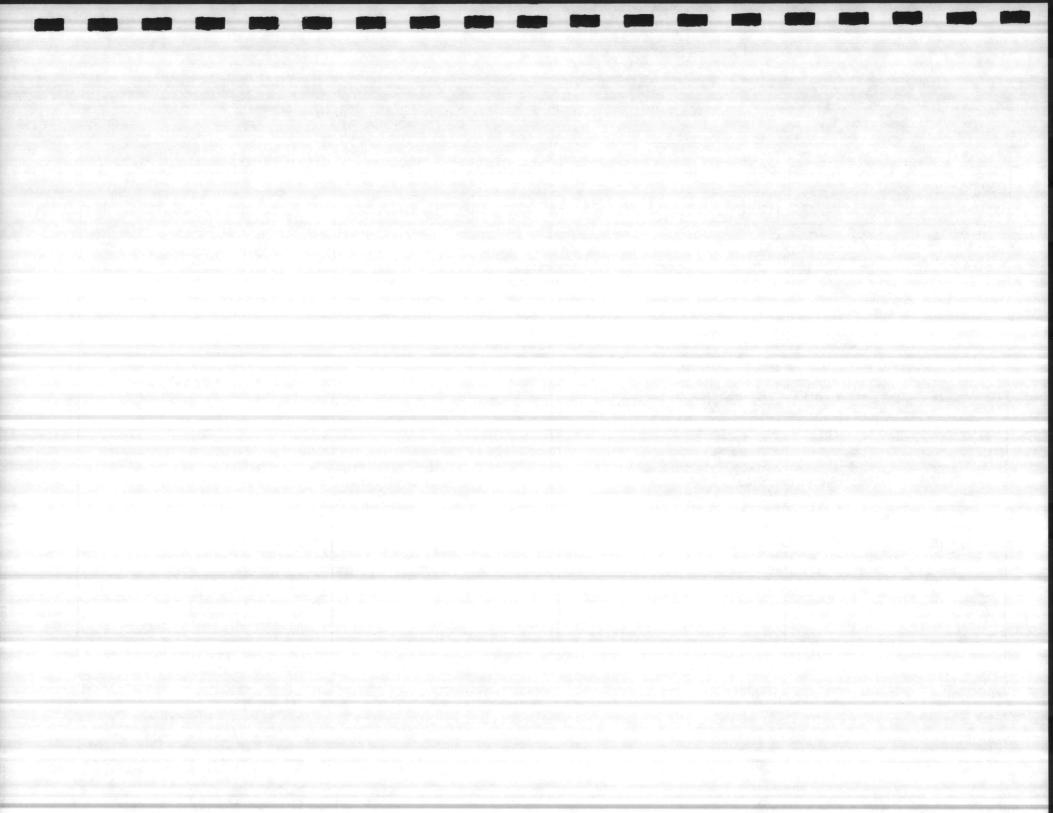
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays Other	10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

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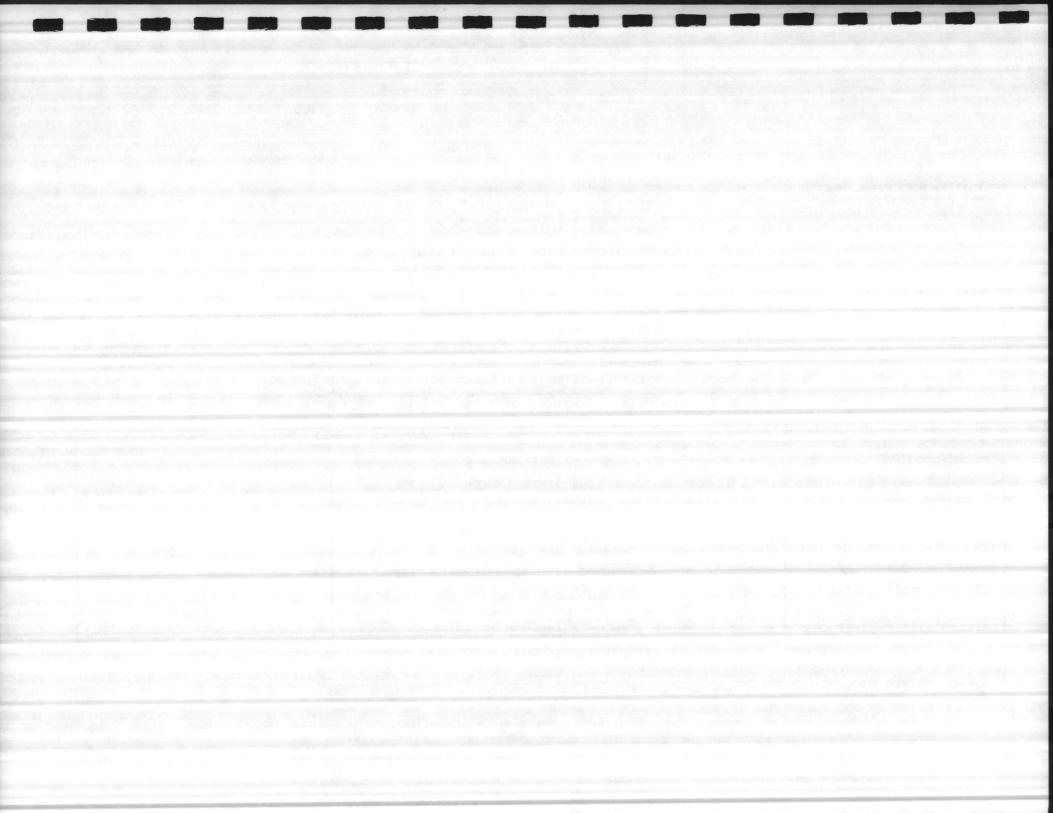
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Restrictions on Range Use EnvironmentalAICUZ	NA .		
Noise Gas/Chemical Pyrotechnics/Flare Time of Day			
Time of YearOther			
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RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



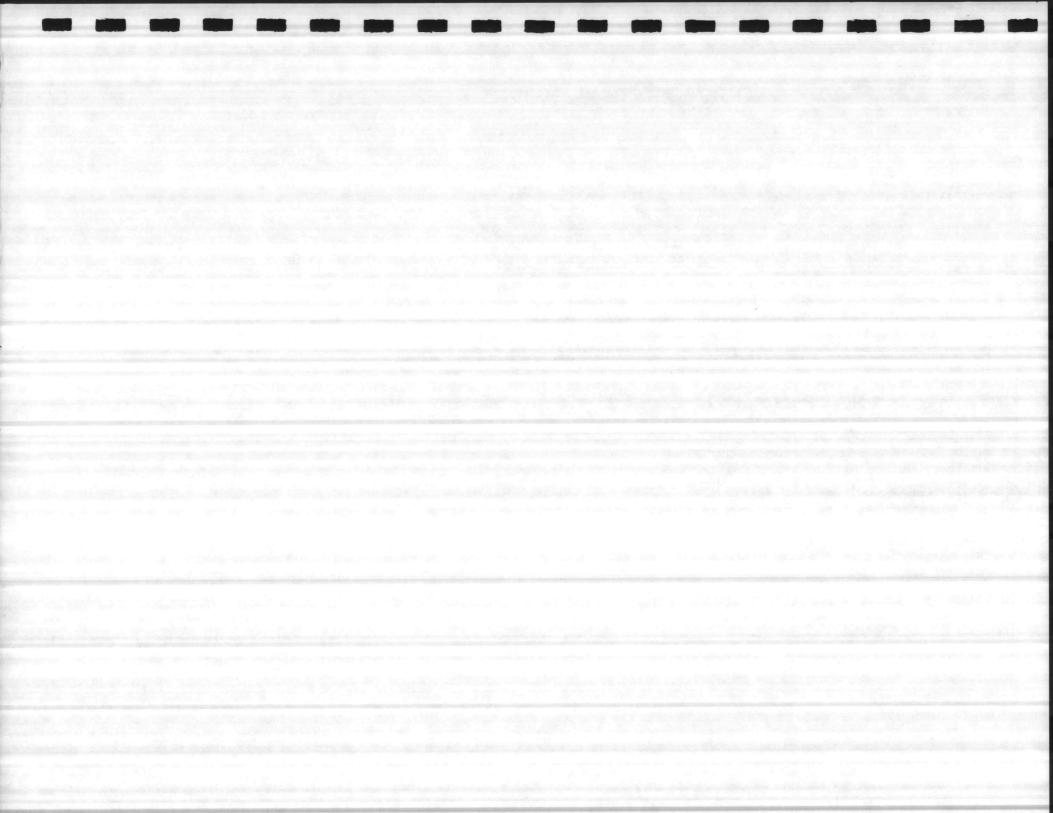
SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY: X Live-Fire Full Caliber
RANGE NAME AND LOCATION: GP-Dove, MCB, Camp Lejeune, NC Gun Position INSTRUCTIONS:	Live-Fire Subcaliber Simulator Maneuver Area Associated Air Space
One form for each range/facility/simulator Fill in data elements as appropriate Use right column for new or improved ranges needed	Other

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km)	140 X 270 yds		
Primary Direction of Fire Associated Air Space	900 MILS/52 degrees (G-10) 5280 MILS/297 degres (K-2) 17,999 ft; 399 sq km		
Coordinates	TP85913065		
Safety Buffer Rear (km)	NA		
Number of Firing Points/ Stations	6		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area			

FILE NAME: LP010111

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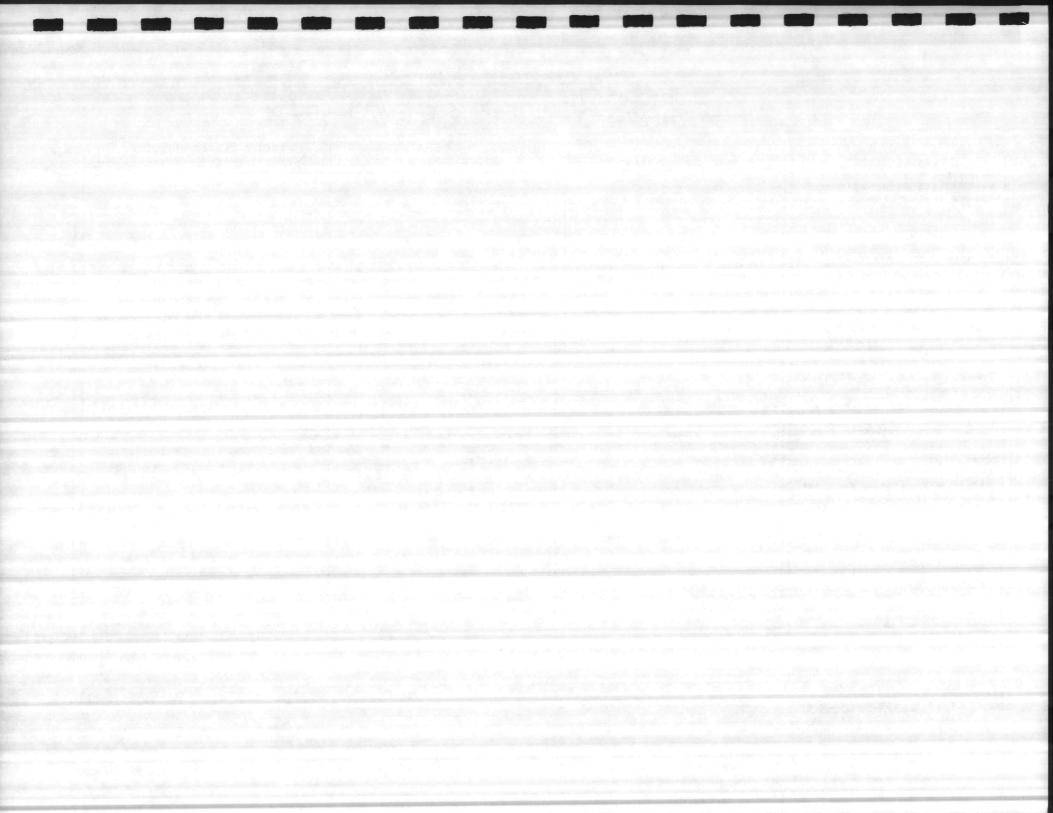
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



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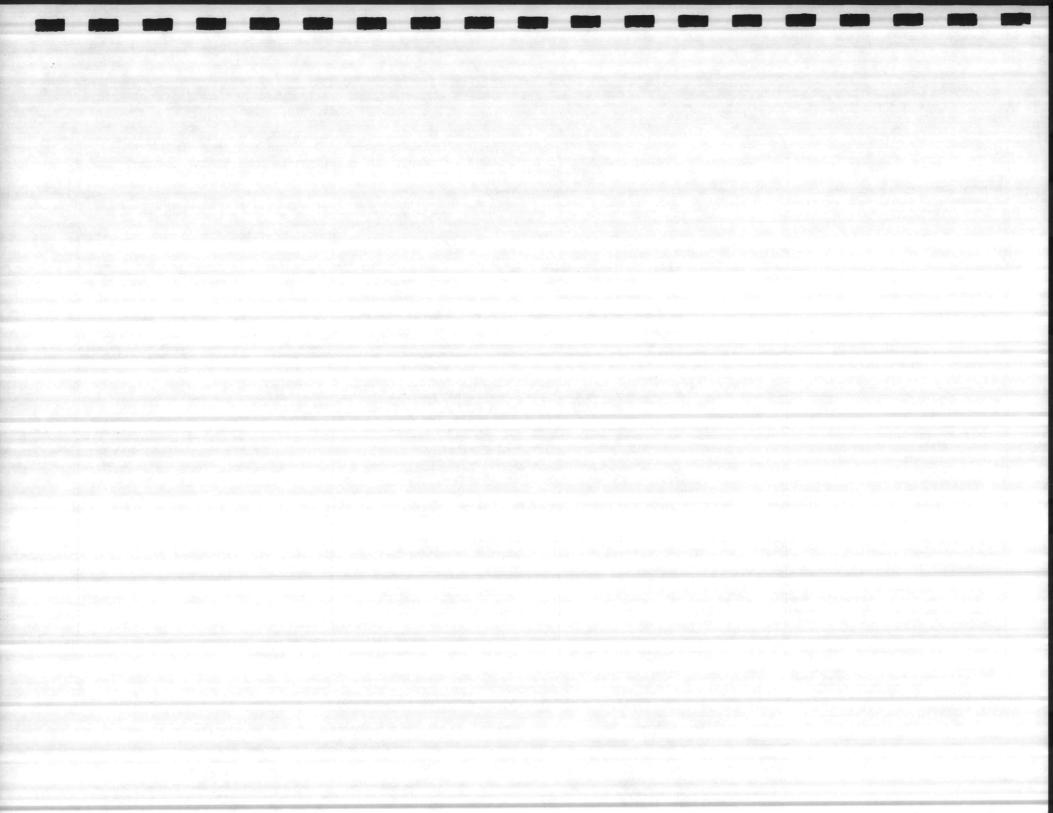
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	105-mm, 155-mm, 8-in		
Climate Seasonal Tropic Temperate Arctic	x	NOT APPLICABLE	NOT APPLICABLE
All-Weather (Indoor) Other Terrain Type Percentage Mountainous Percentage Rolling	20		
Percentage Desert Percentage Beach Percentage Level Percentage Water	80	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: LP010111
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RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

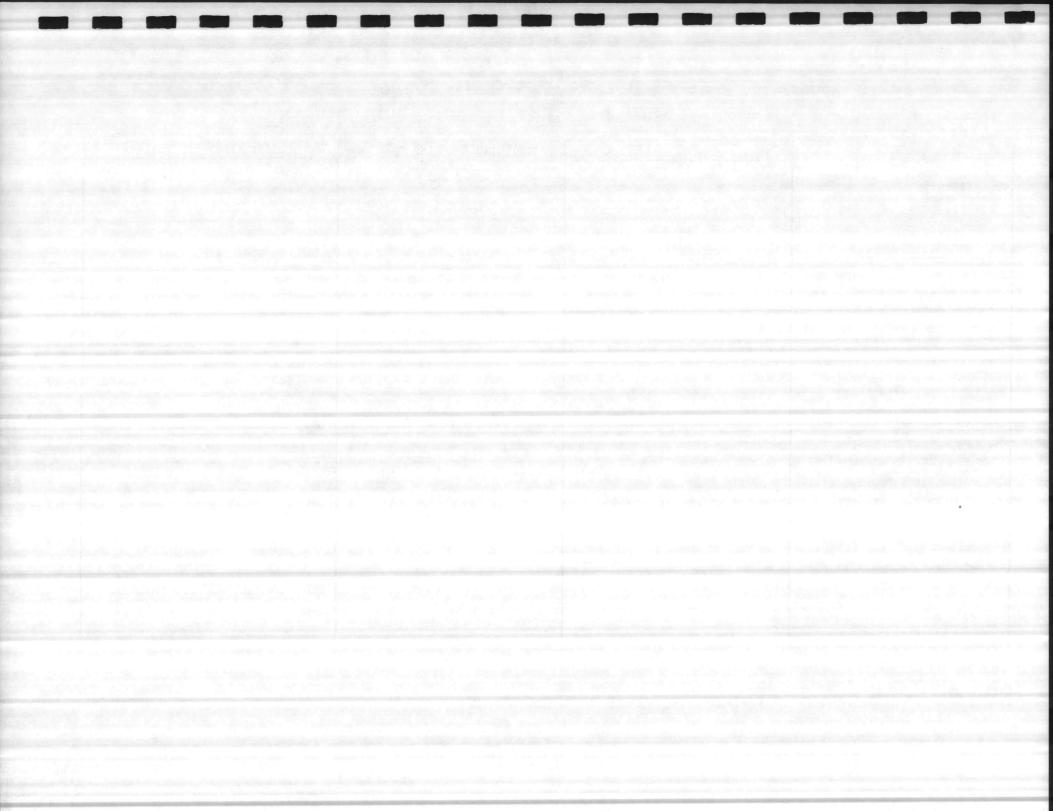


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	20		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas			
Distance from Supply Points POL (km)	6		
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	Yes		

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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	10	0	
	TLZ Dove, TLZ Dodo, TLZ Hawk, TLZ Jaybird		
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		

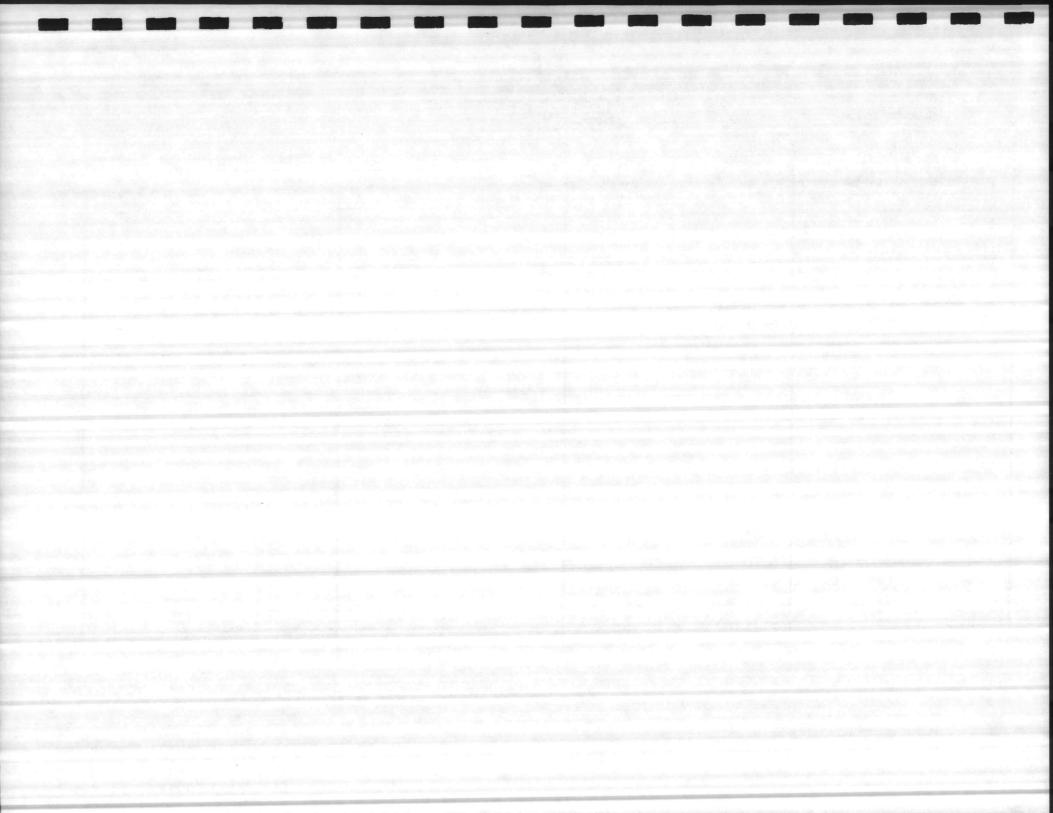
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DATE: 03/05/87

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

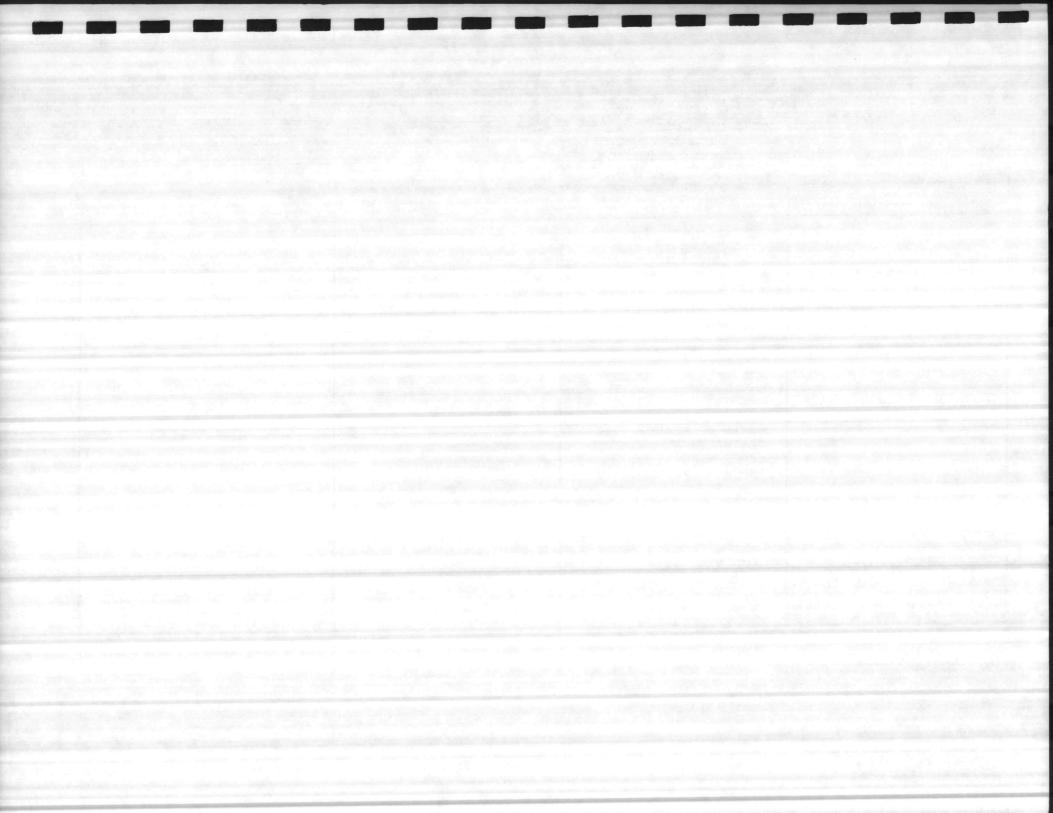
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE
strictions on Range Use EnvironmentalAICUZ	X Woodpecker habitat		
FAA Noise Gas/Chemical Pyrotechnics/Flare Time of Day			
Time of YearOther			

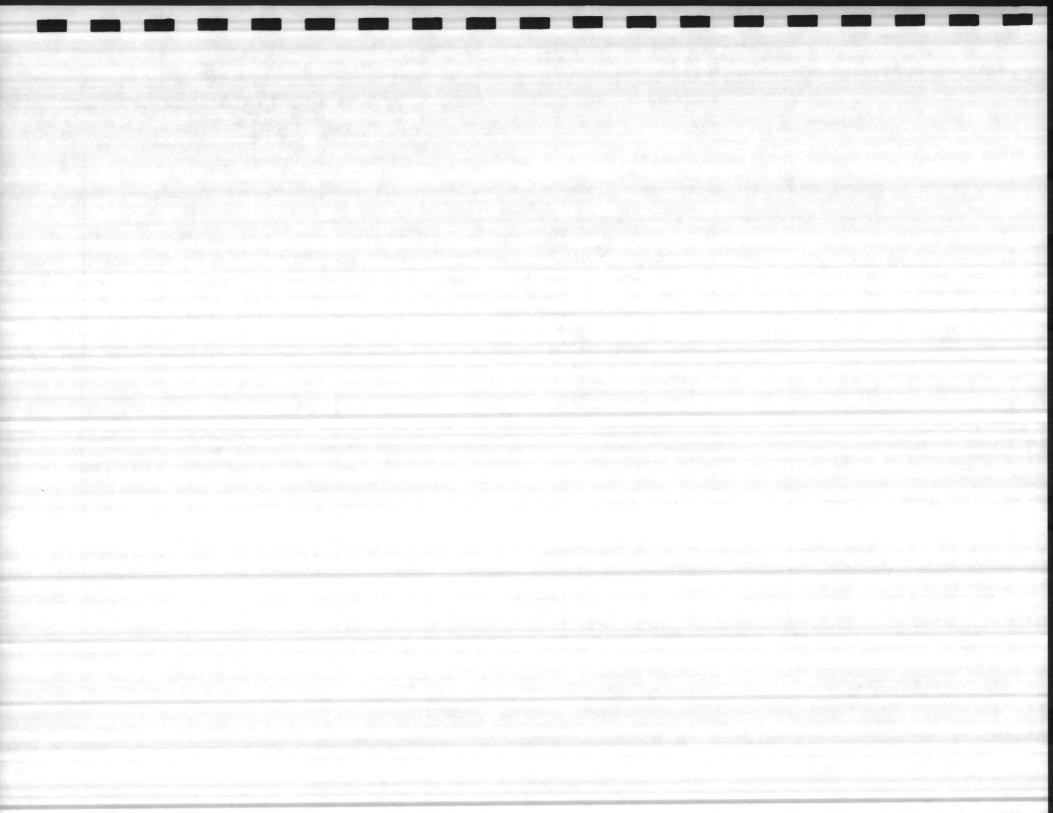
FILE NAME: LP010111
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SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY:
	Live-Fire Full Caliber
	Live-Fire Subcaliber
RANGE NAME AND LOCATION: GP-51, MCB, Camp Lejeune, NC	Simulator
Gun Position	X Maneuver Area
INSTRUCTIONS:	Associated Air Space
One form for each range/facility/simulator	Other
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)	150 X 170 yds		
Primary Direction of Fire	NA		
Associated Air Space	17,999 ft; 399 sq km		
Coordinates	TP78694088		
Safety Buffer Rear (km)	NA		
Number of Firing Points/ Stations	6	-	
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area			

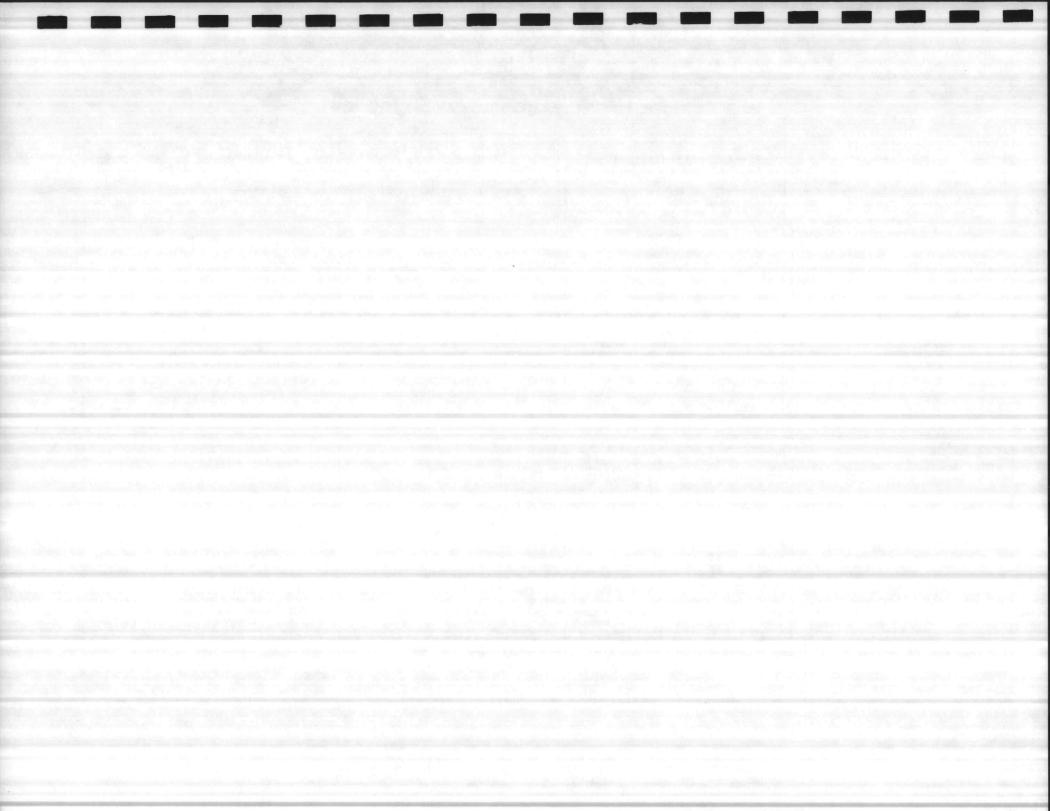
FILE NAME: LP010112 PAGE 1 OF 6 DATE: 03/05/87



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		

FILE NAME: LP010112 PAGE 2 OF 6 DATE: DATE: 03/05/87

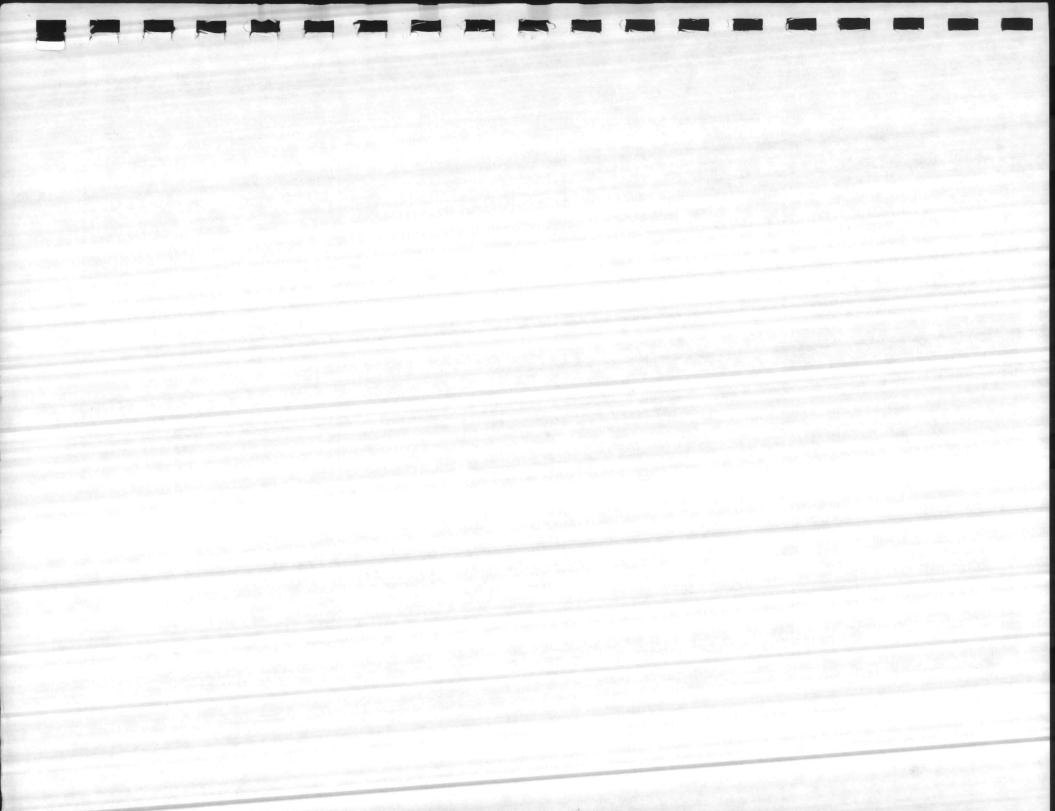
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
	No ammunition; Reconnaissance Survey Occupation Preparation (RSOP) of position only		
Climate Seasonal. Tropic. Temperate Arctic Desert. All-Weather (Indoor)	X	NOT APPLICABLE	NOT APPLICABLE
Terrain Type Percentage Mountainous Percentage Rolling Percentage Swamp Percentage Desert Percentage Beach Percentage Level Percentage Water	20 	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: LP010112
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RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



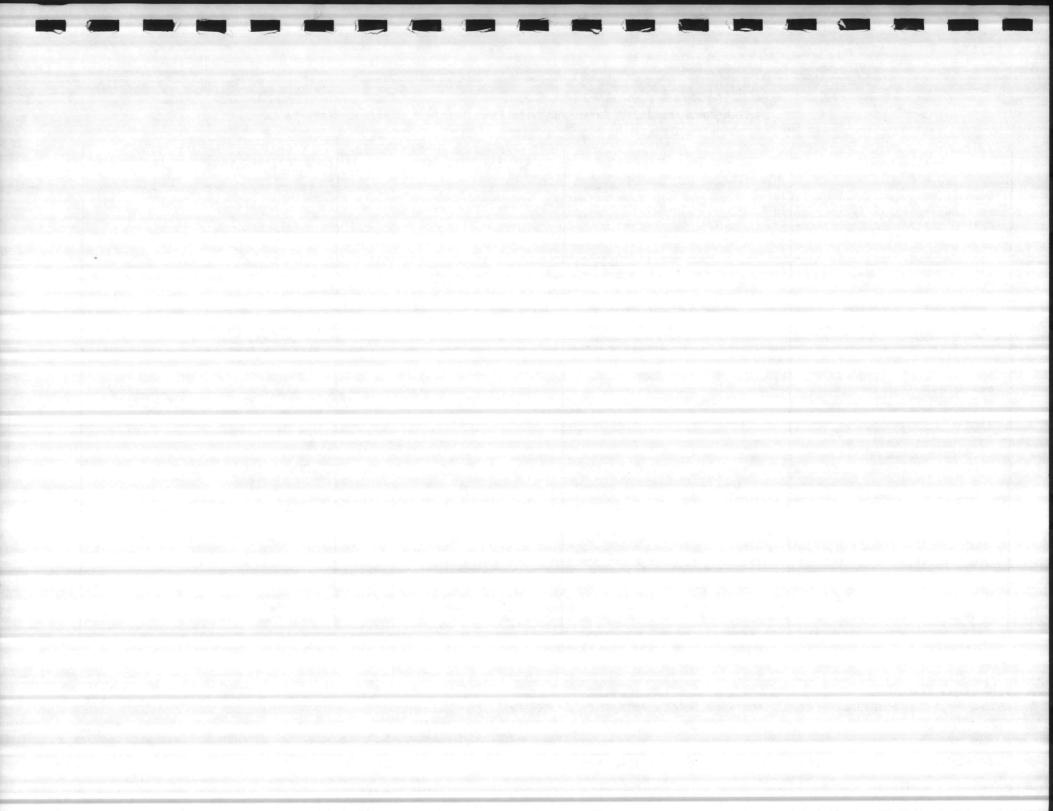
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	30		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress 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	Undefined		
Number of Days per Year the Range/Facility is Available	355		
Is Range/Facility Capable of Nighttime Use? Yes, No	Yes		

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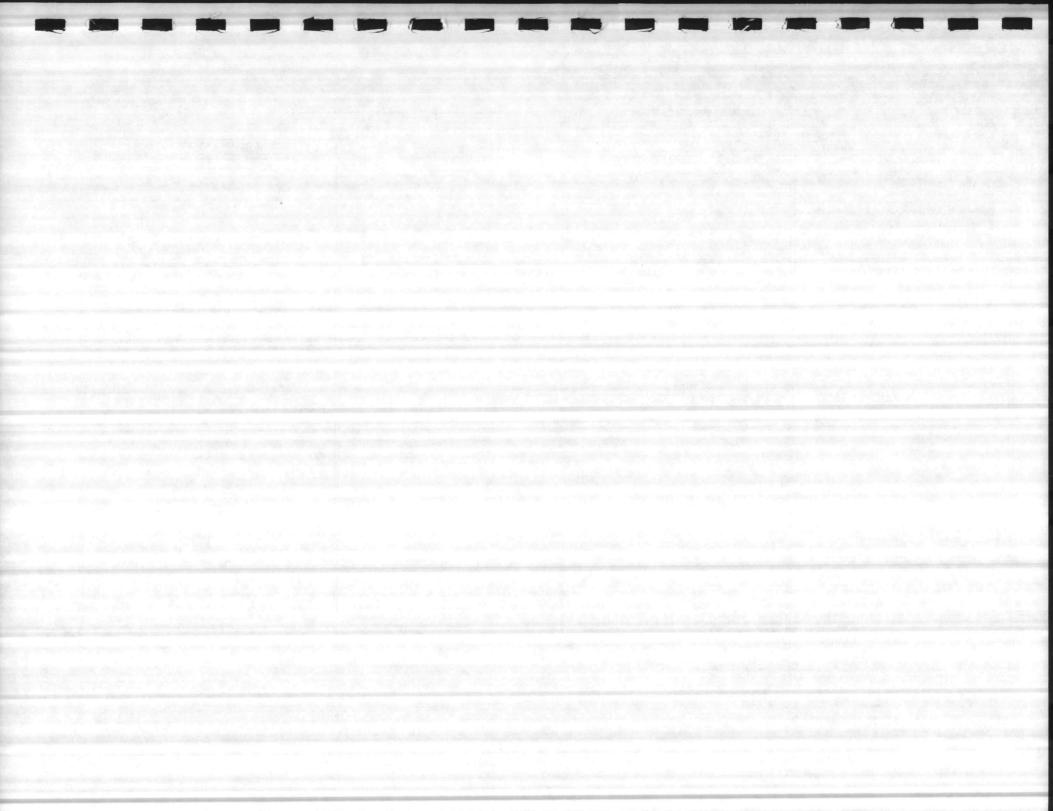
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

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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	10	0	0
Other Ranges Which Must Be Closed When This Range is in Use			
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	NA.		
Are There Site-unique Requirements Placed on Using Units? Yes, No, Explain	NA		

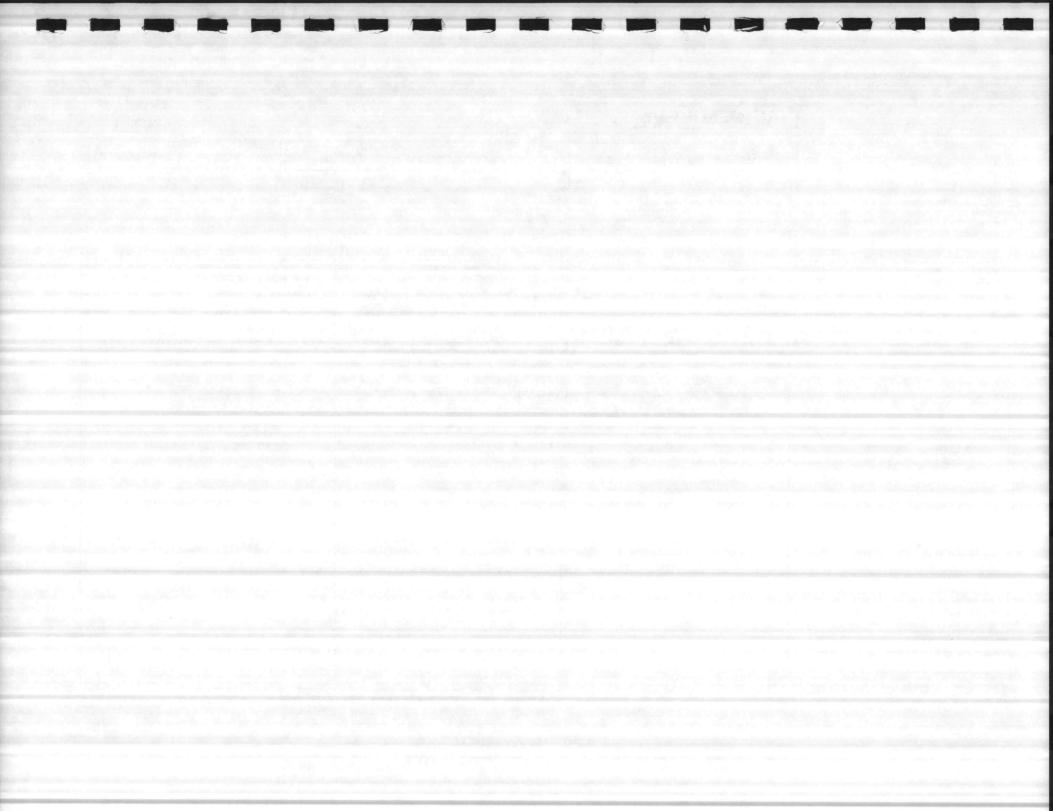
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
EnvironmentalAICUZFAA	NA		
Gas/Chemical Pyrotechnics/Flare Time of Day Time of Year Other			

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

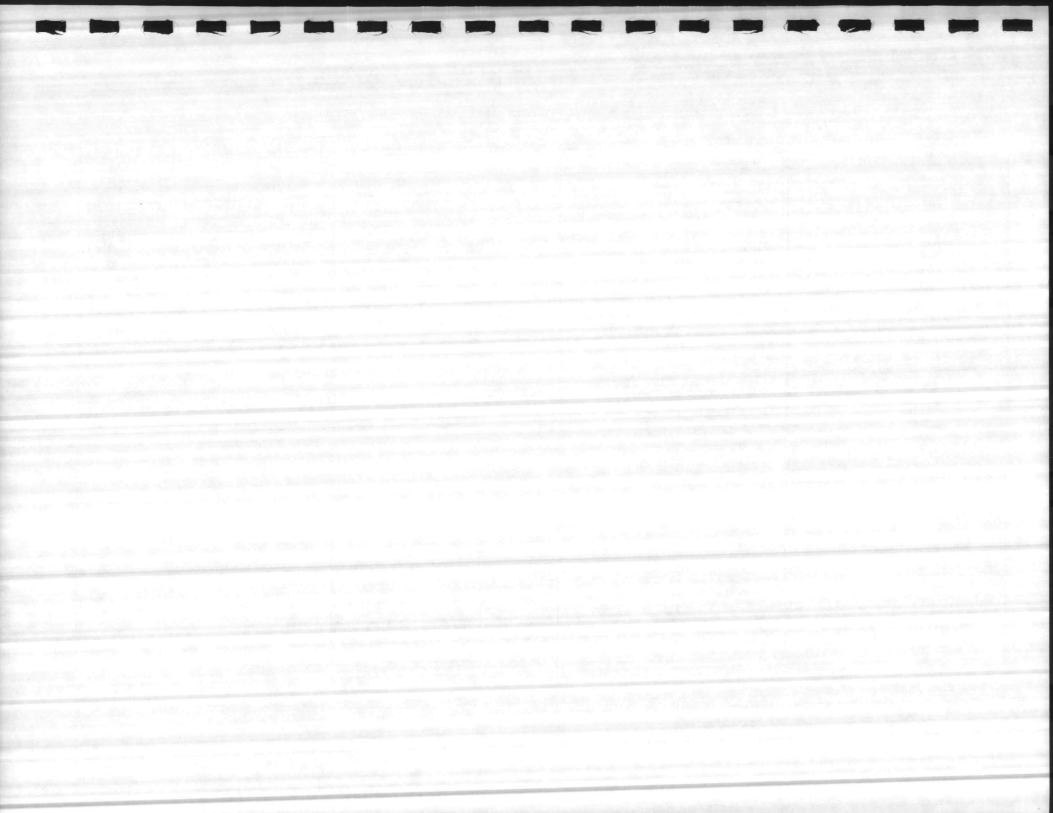


SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY: Live-Fire Full Caliber Live-Fire Subcaliber
RANGE NAME AND LOCATION: GP-52, MCB, Camp Lejeune, NC Gun Position INSTRUCTIONS:	Simulator X Maneuver Area Associated Air Space
One form for each range/facility/simulator Fill in data elements as appropriate Use right column for new or improved ranges needed	Other

DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Shape and Dimensions Dimensions (km)	100 X 120 yds		
Primary Direction of Fire	NA		
Associated Air Space	17,999 ft; 399 sq km		
Coordinates	TP78523685		
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.			

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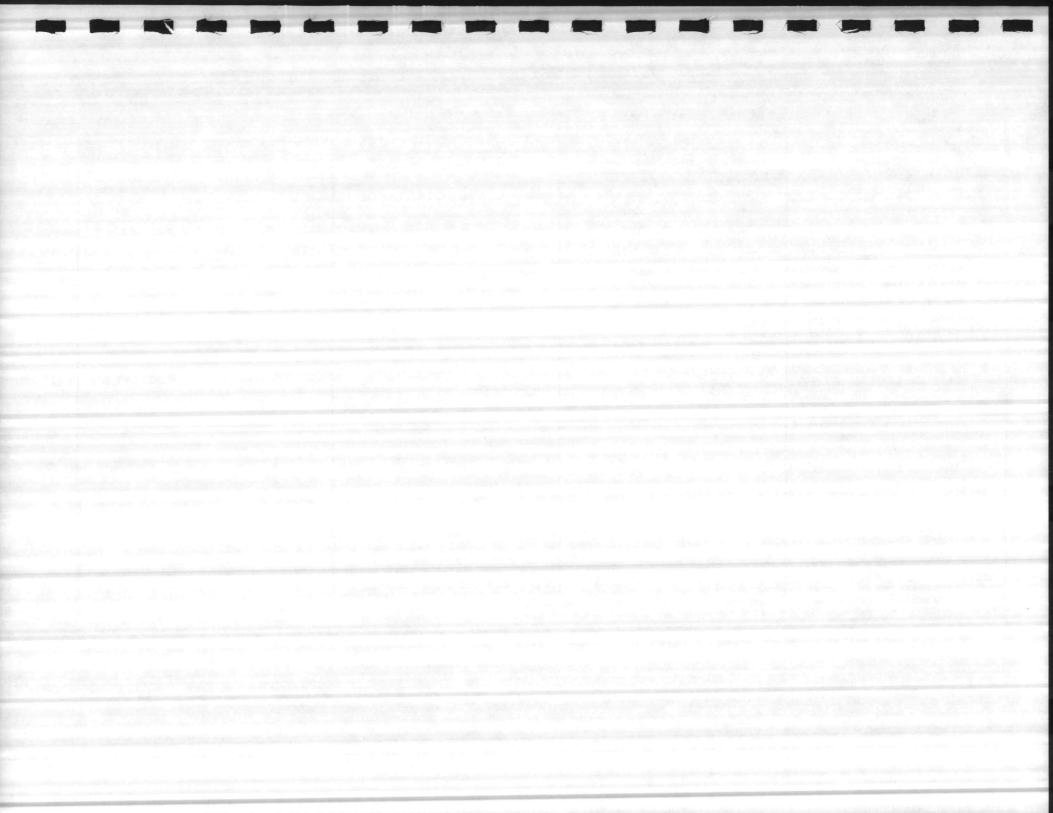
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



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 Electrical System Classroom Bivouac Site Other			
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA THE RESERVE THE		
Target Types Pop-up Stationary Moving Revolving Other	NA		
Are There Associated Simulation Devices? Yes, No, NA	NA		

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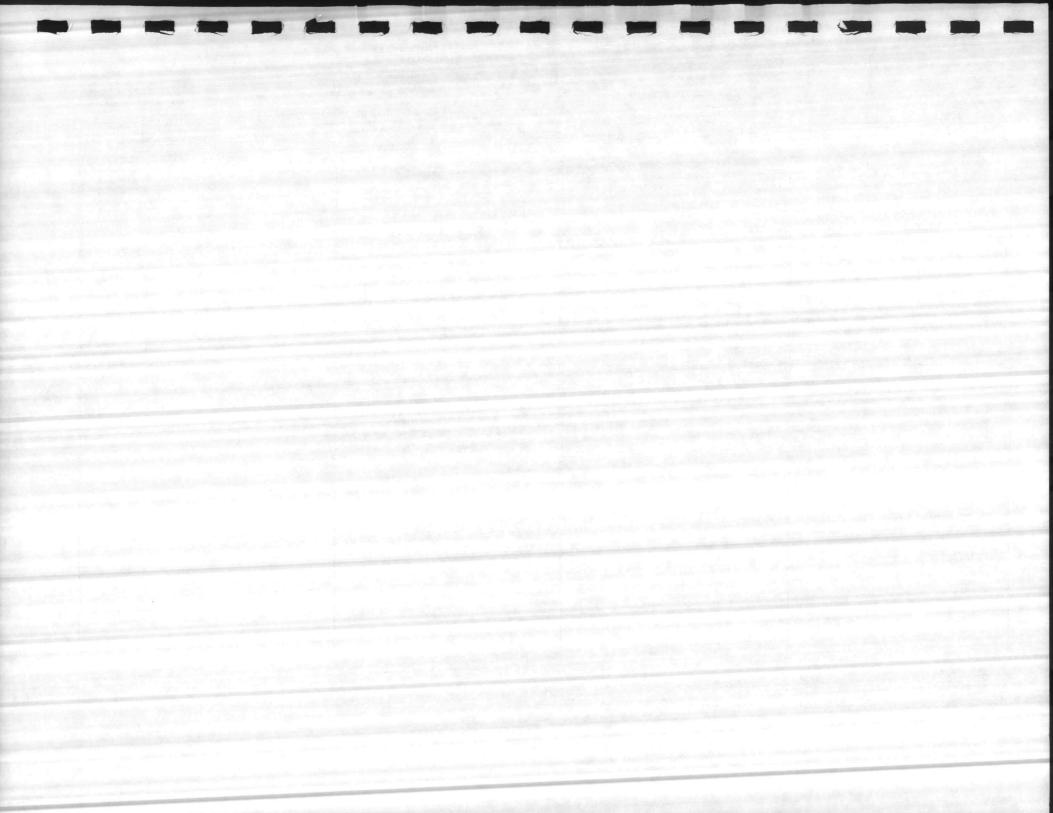
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range			
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.	20 	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy Percentage Other	100 	NOT APPLICABLE	NOT APPLICABLE

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



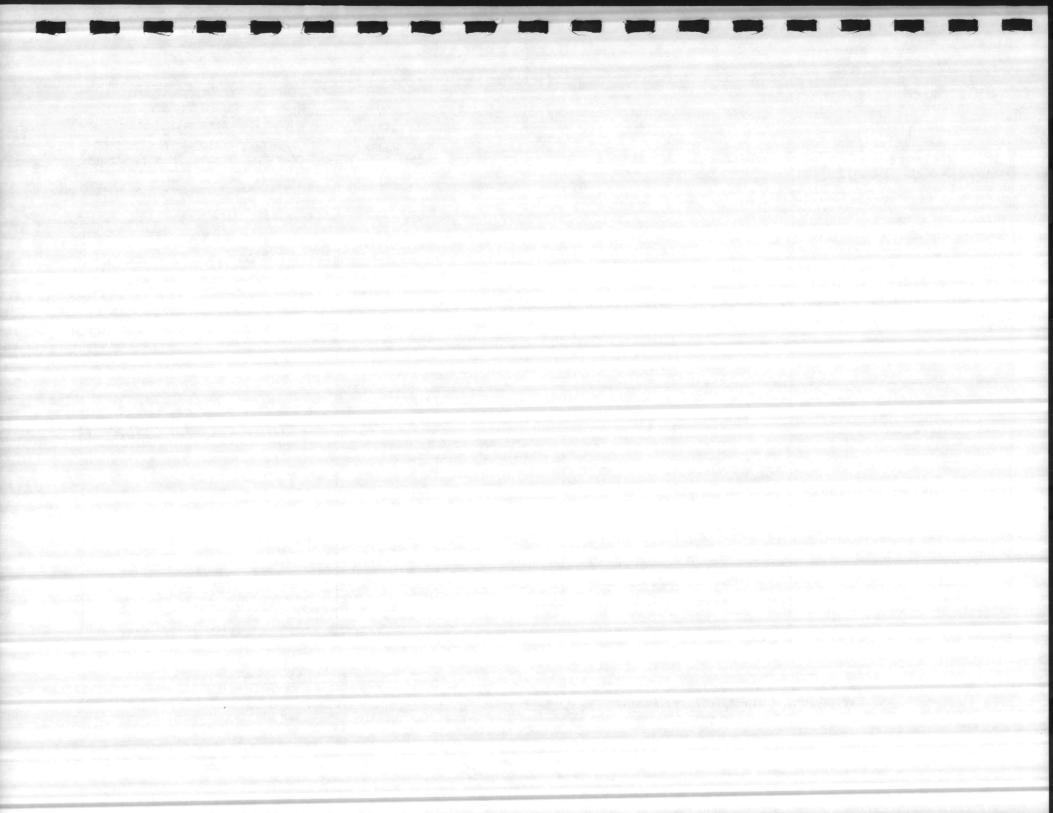
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	20		
Access No. of Land Access Routes No. of Land Water Routes No. of Air Ingress Routes No. of Air Egress Routes No. of Beach Access Areas	1		
Distance from Supply Points POL (km)	NA		
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	Yes		

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

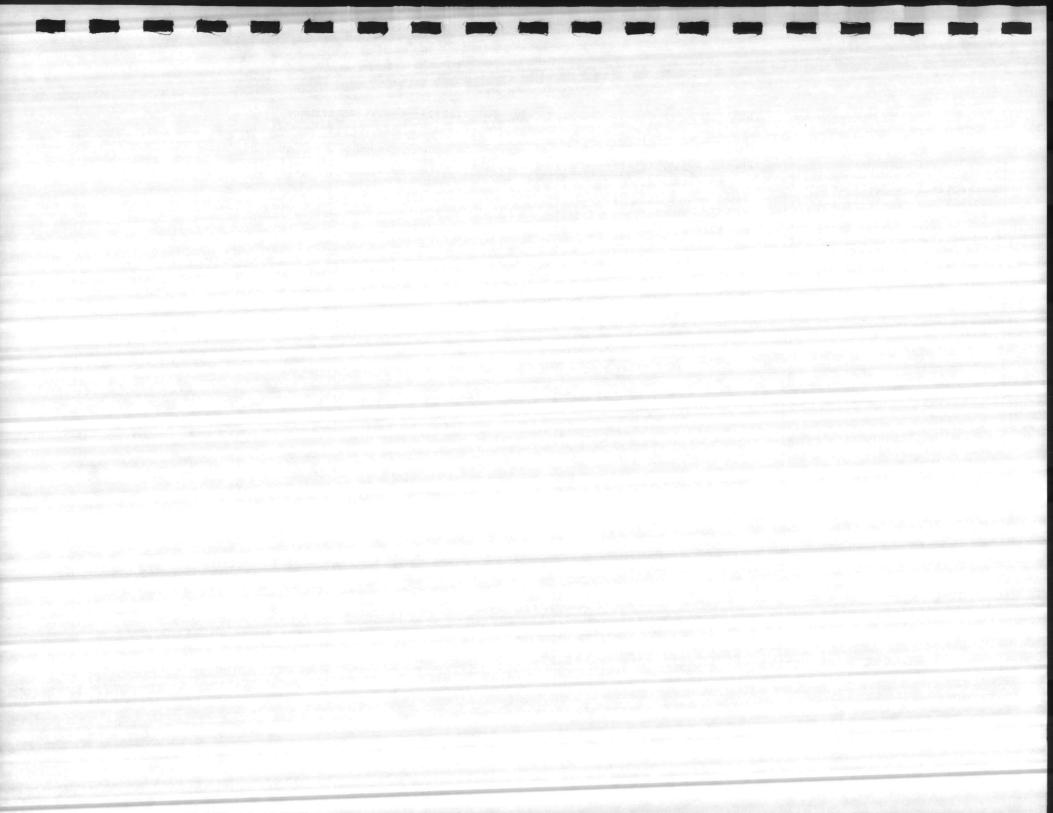
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total Maintenance Weather Budget Fire Condition/Weather Weekends/Holidays	10 10	0	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	NA		
Are There Site-unique Requirements Placed on Using Units? Yes, No, Explain	NA		

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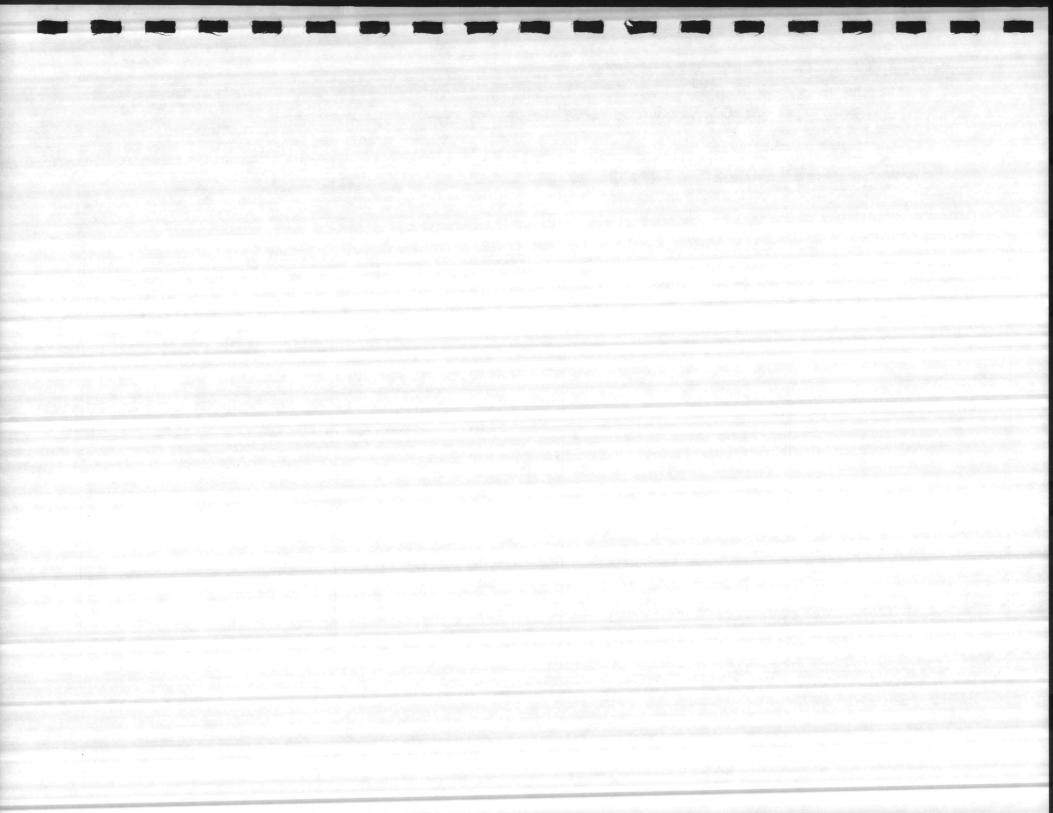
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Restrictions on Range Use Environmental	NA		
AICUZ			
FAA Noise			
Gas/Chemical			
Time of Day	No.		
Other			
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RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



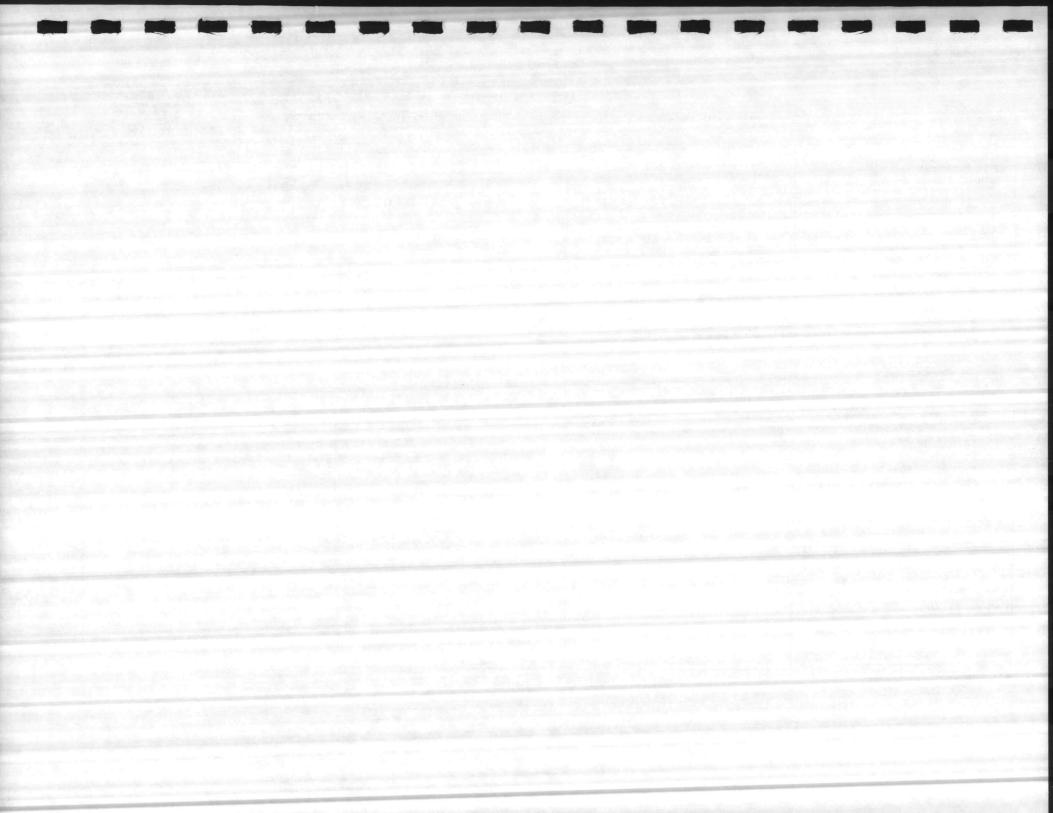
SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY: Live-Fire Full Caliber Live-Fire Subcaliber
RANGE NAME AND LOCATION: GP-54, MCB, Camp Lejeune, NC Gun Position INSTRUCTIONS: One form for each range/facility/simulator Fill in data elements as appropriate	Simulator X Maneuver Area Associated Air Space Other
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) Primary Direction of Fire Associated Air Space Coordinates	80 X 80 yds NA 17,999 ft; 399 sq km TP75743514		
Safety Buffer Rear (km)	NA		
Number of Firing Points/ Stations	6		
Range Facilities Control Tower Communications System Target Shed Utility Building Aid Station Parking Area Viewing Area			

FILE NAME: LP010114

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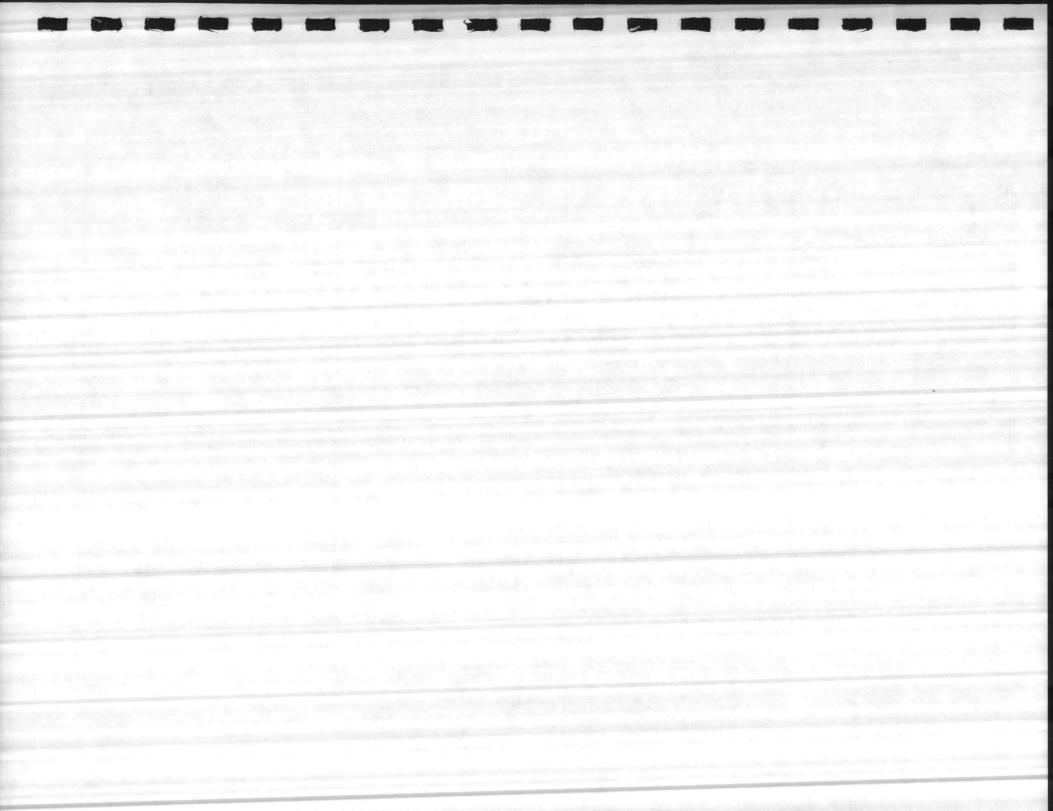
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



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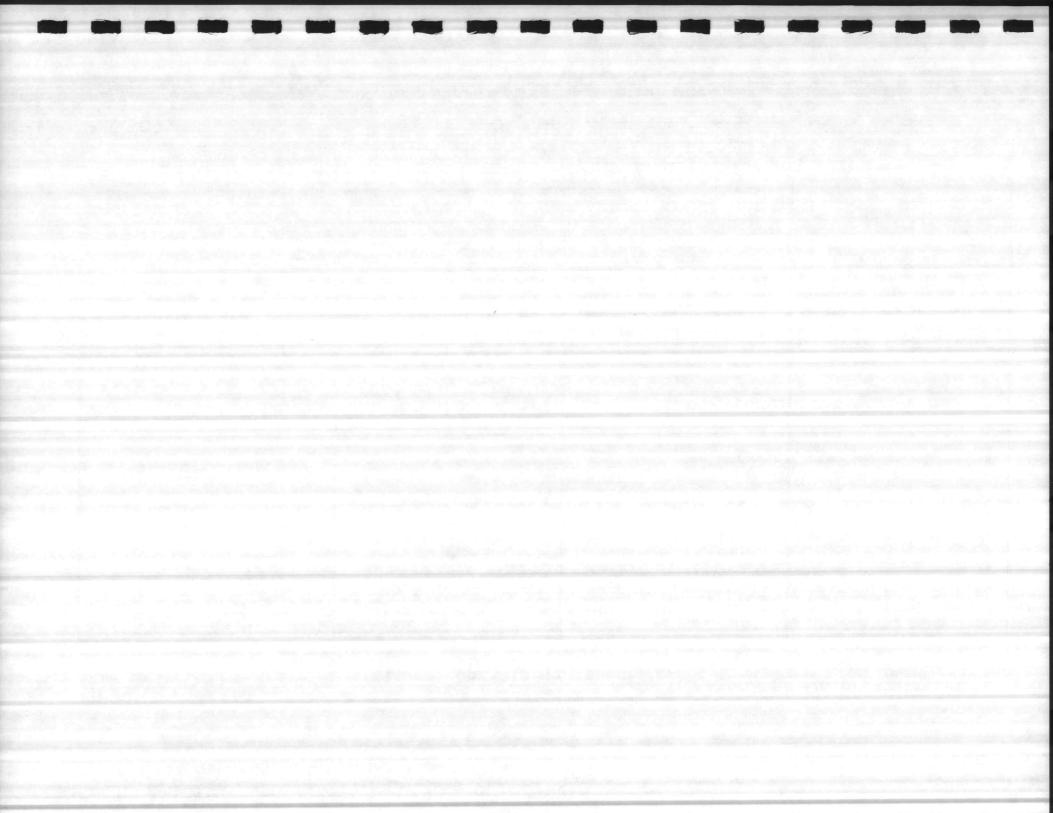
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range	No ammunition; Reconnaissance Survey Occupation Preparation (RSOP) of position only		
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	100 	NOT APPLICABLE	NOT APPLICABLE
Soil Type Percentage Rock Percentage Sand Percentage Clay Percentage Swamp/Marsh Percentage Loamy	100 	NOT APPLICABLE	NOT APPLICABLE

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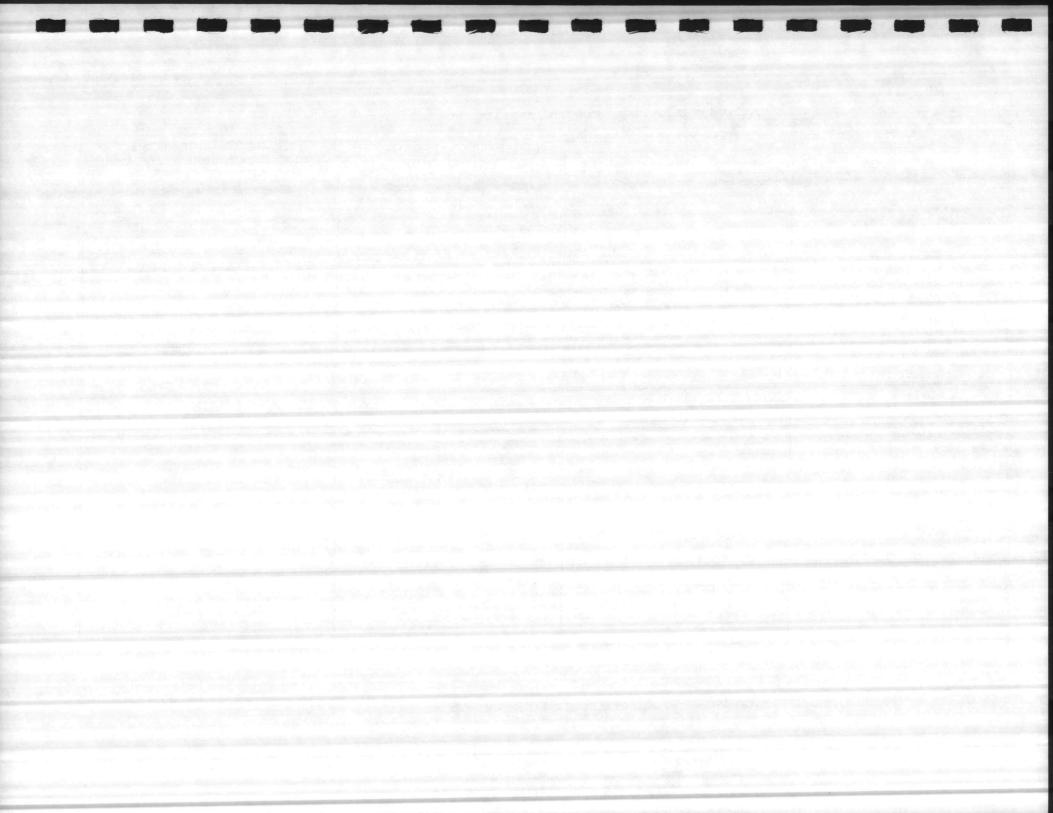
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



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	20		
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)	NA		
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	Yes		

FILE	NAME:	LP010114

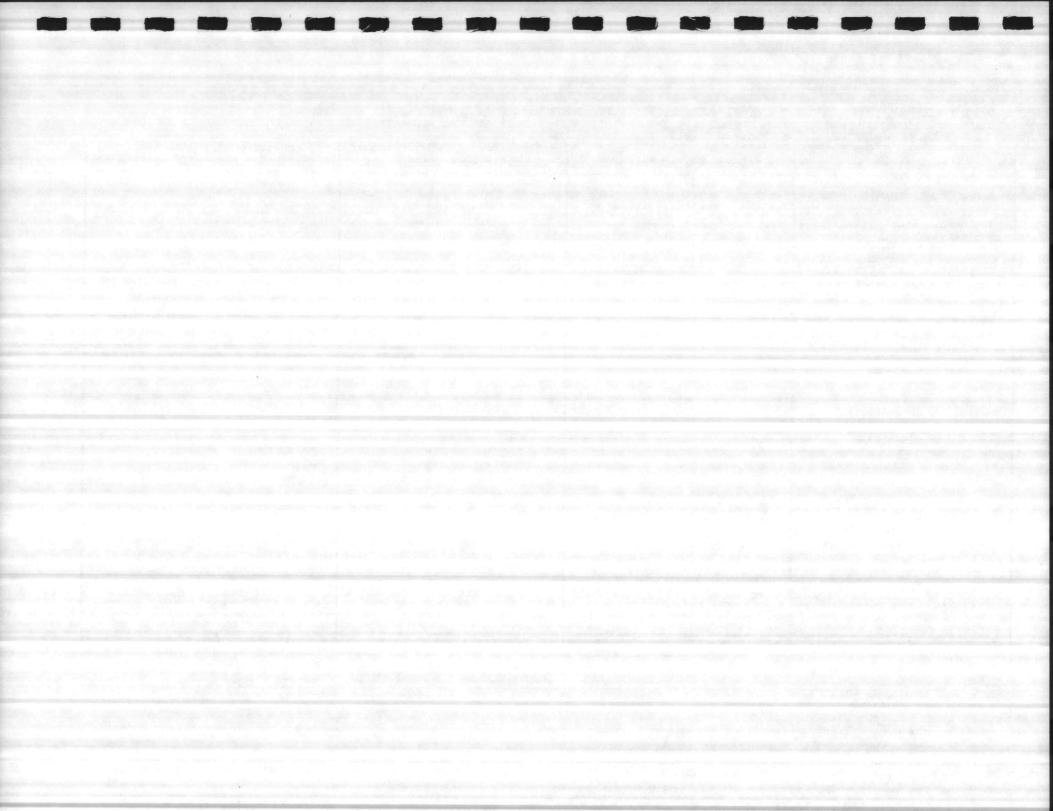
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total	10	0	
Other Ranges Which Must Be Closed When This Range is in Use	NA		
Are 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		

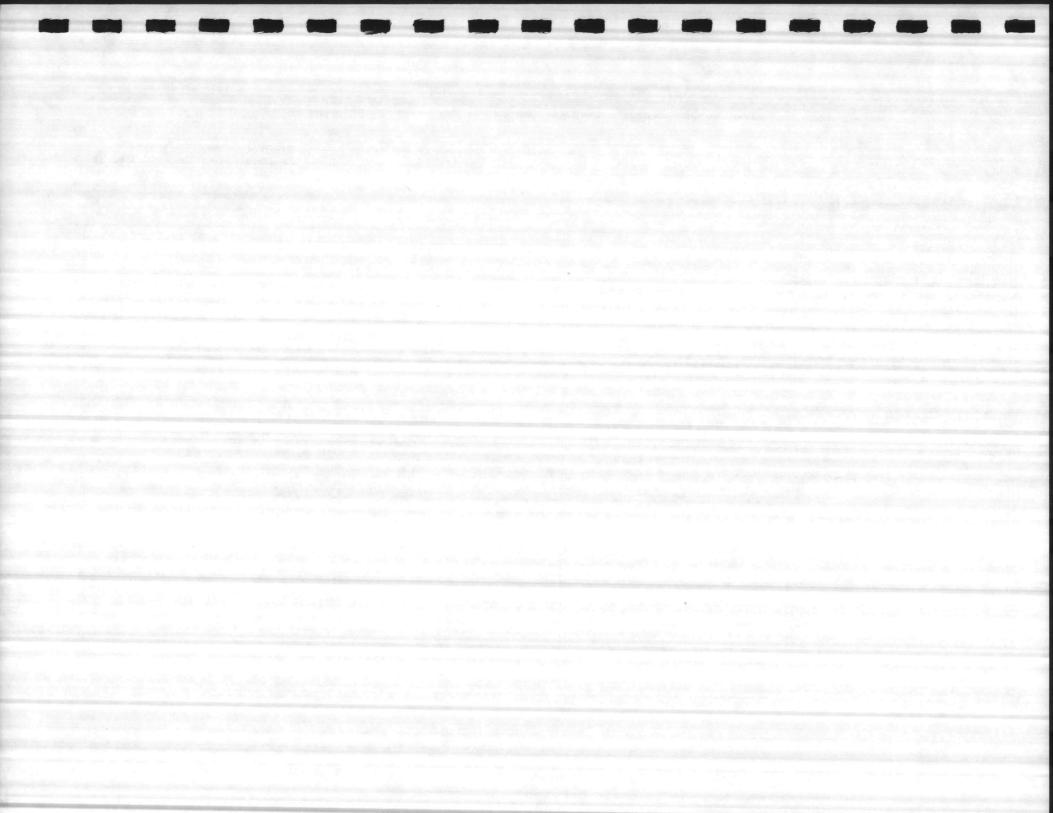
FILE NAME: LP010114
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RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.____



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

FILE NAME: LP010114
PAGE 6 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._

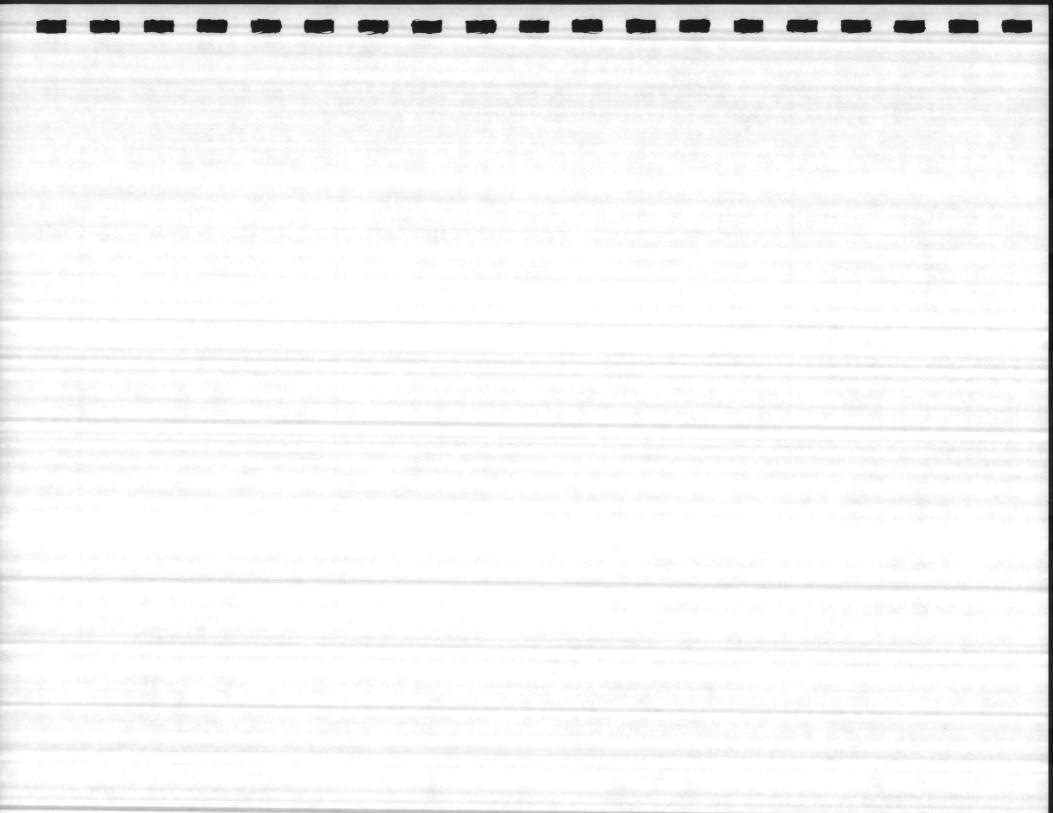


SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY: Live-Fire Full Caliber Live-Fire Subcaliber
RANGE NAME AND LOCATION: GP-55, MCB, Camp Lejeune, NC Gun Position INSTRUCTIONS:	Simulator X Maneuver Area Associated Air Space
One form for each range/facility/simulator Fill in data elements as appropriate Use right column for new or improved ranges needed	Other

PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
70 X 100 yds		
NA		
17,999 ft; 399 sq km		
TP75983470		
NA NA		
6		
	70 X 100 yds NA 17,999 ft; 399 sq km TP75983470	PRESENT CHARACTERISTICS (INCLUDE YEAR) 70 X 100 yds NA 17,999 ft; 399 sq km TP75983470 NA

FILE NAME: LP010115
PAGE 1 OF 6 DATE: 03/05/87

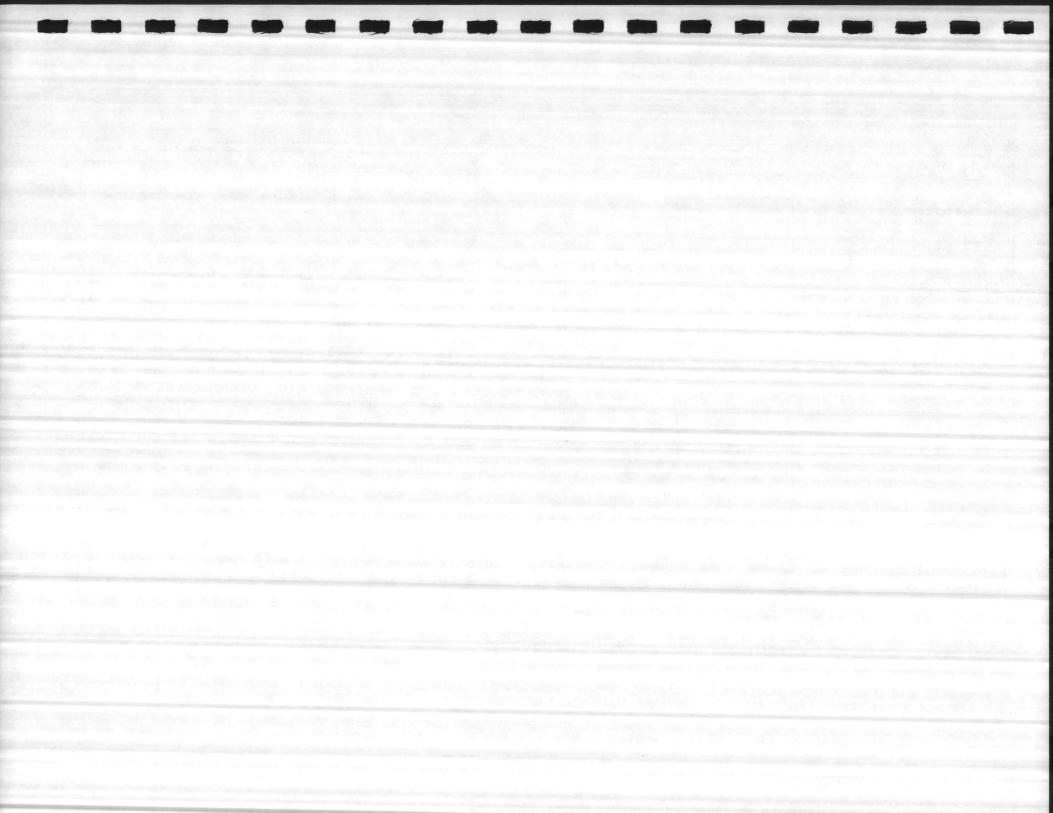
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



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			
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		

FILE	NAME:	LP010115

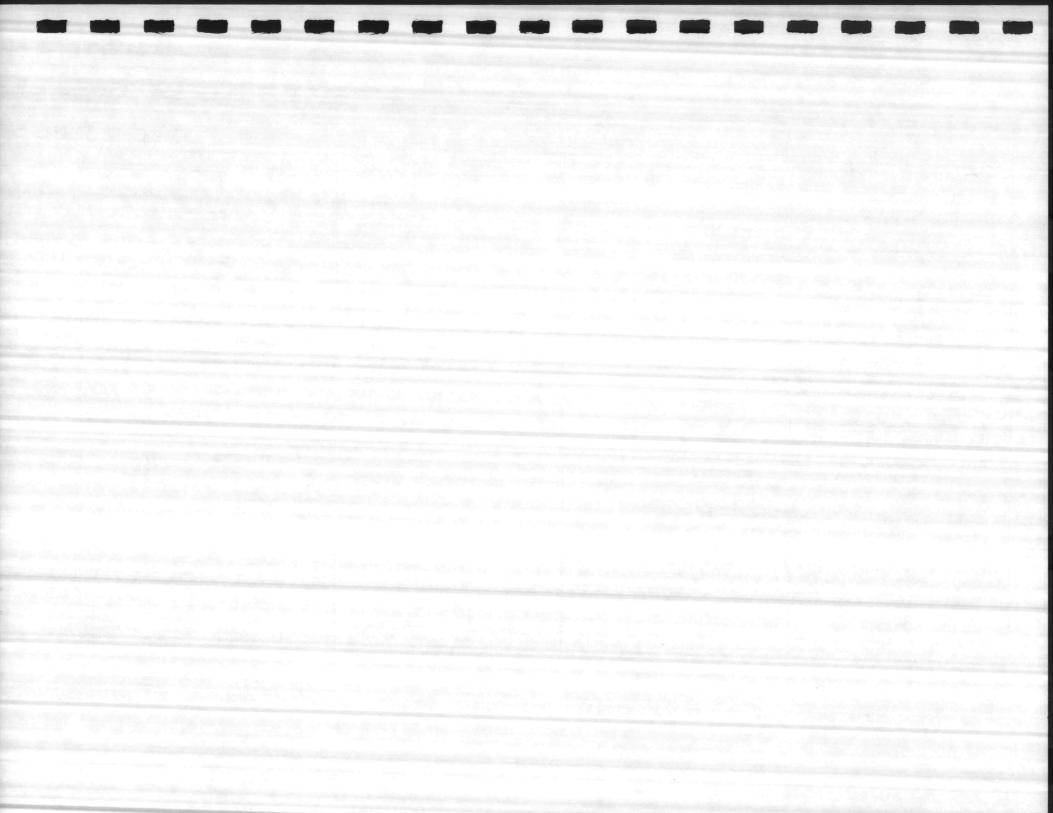
PAGE 2 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._



DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Weapon Types Used on the Range			
Climate Seasonal			
TemperateArctic. DesertAll-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: LP010115

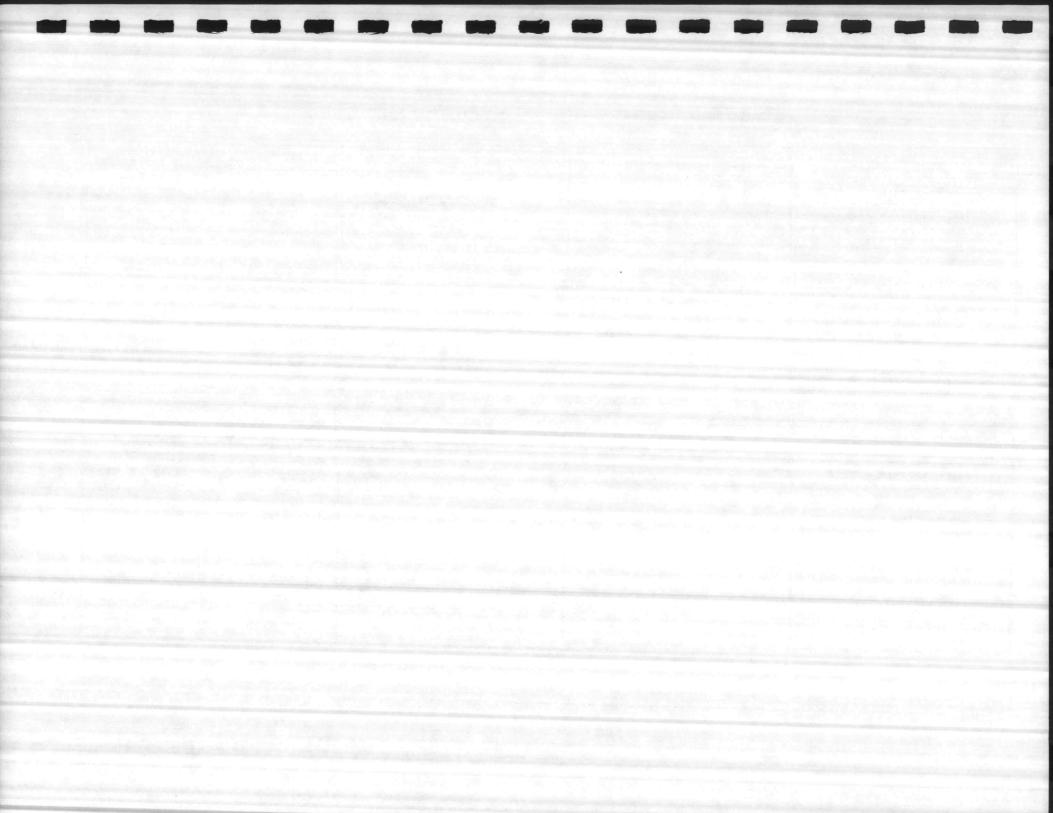
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Vegetation Percentage None Percentage Sparse Percentage Moderate Percentage Heavy	100		
Access No. of Land 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)	NA		
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	Yes		

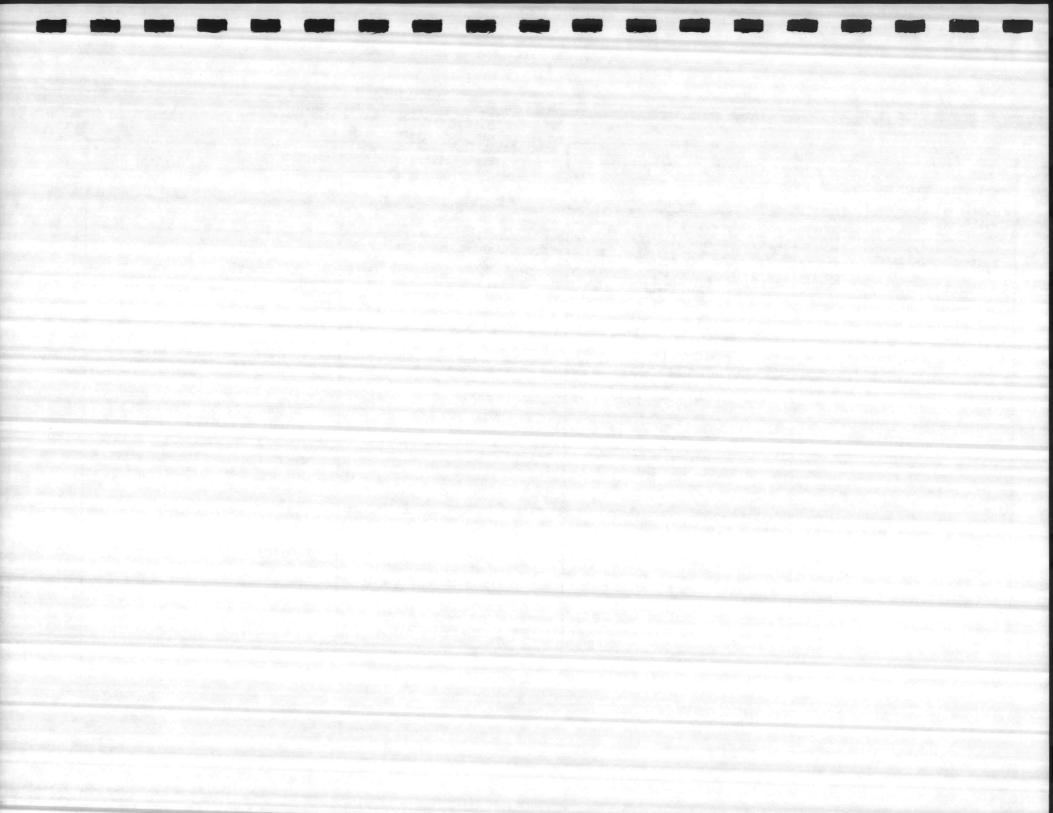
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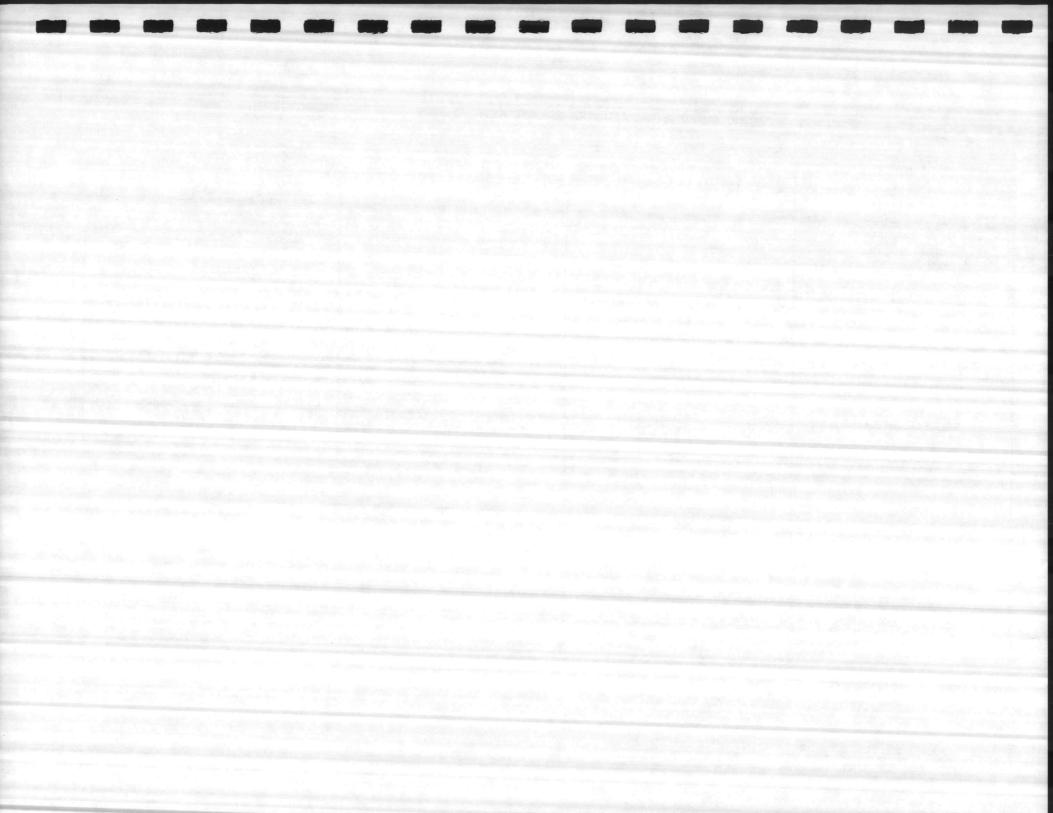
DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
	10	0	0
Other Ranges Which Must Be Closed When This Range is in Use	NA		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	NA		
Are There Site-unique Requirements Placed on Using Units? Yes, No, Explain	NA		

FILE	NAME:	LP010115	
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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			
Time of Year			

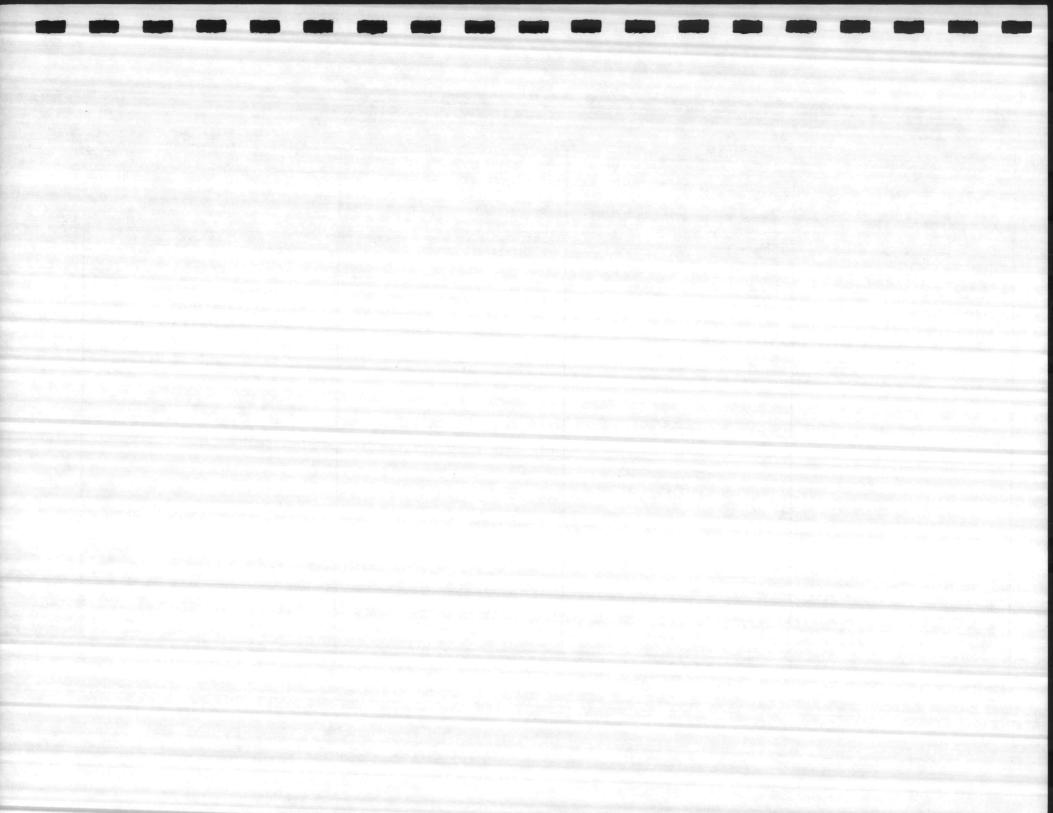
FILE NAME: LP010115
PAGE 6 OF 6 DATE: 03/05/87 RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._



SUBMITTED BY: D. J. Hashagen, Sr., DRCO, AV 484-2102	TYPE RANGE FACILITY: Live-Fire Full Calibe
RANGE NAME AND LOCATION: GP-Owl, MCB, Camp Lejeune, NC	Live-Fire Subcaliber Simulator
Gun Position INSTRUCTIONS:	X Maneuver Area Associated Air Space
One form for each range/facility/simulator	Other
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)	 75 yds X 100 yds		
Primary Direction of Fire	NA		i
Associated Air Space	 17,999 ft; 399 sq km		
Coordinates	TP76522857		
Safety Buffer Rear (km)			
Number of Firing Points/ Stations			
Range Facilities			
Control Tower			
Target Shed Utility Building Aid Station			
Parking AreaViewing Area			

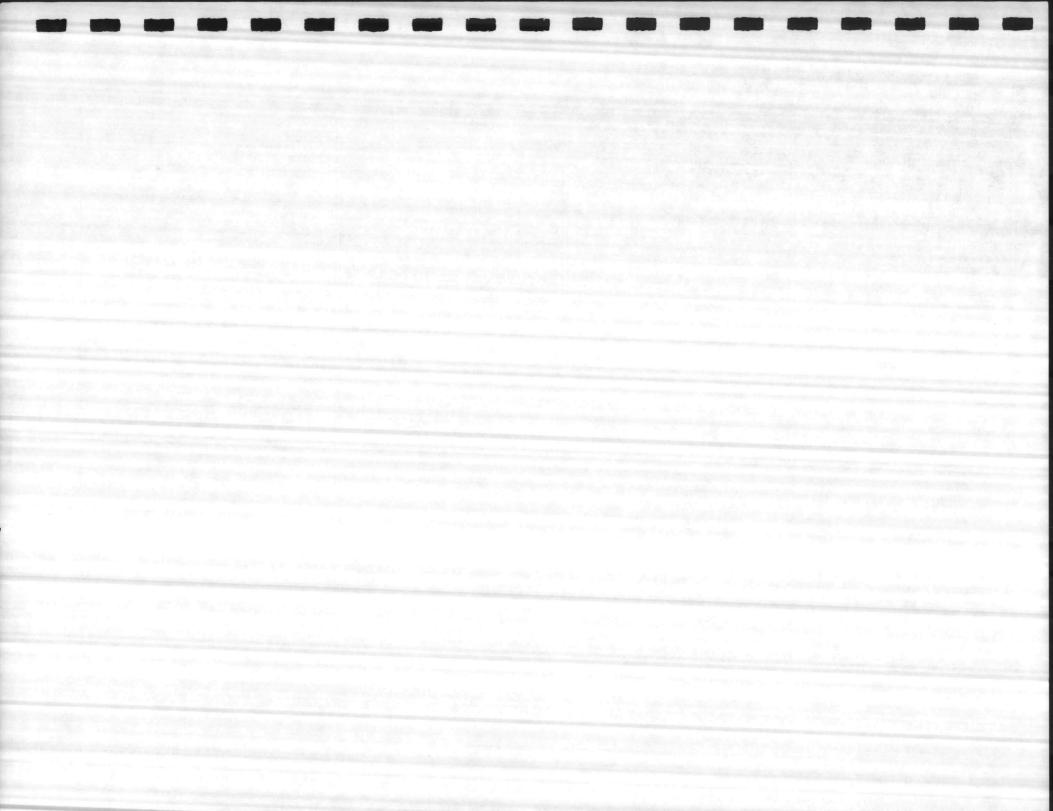
FILE NAME: LP010116
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DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Range Facilities (continued) Demonstration Area Head Facility Ammunition Bunker Water System Electrical System Classroom Bivouac Site Other			
Telemetry Instrumentation Scoring Reconstruction Air Launch Parameters Other	NA		
Target Types Pop-up Stationary Moving Revolving	NA		
Are There Associated Simulation Devices? Yes, No, NA	NA .		

FILE NAME: LP010116
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RANGE/FACILITY MANAGER: D. J. Hashagen, Sr._

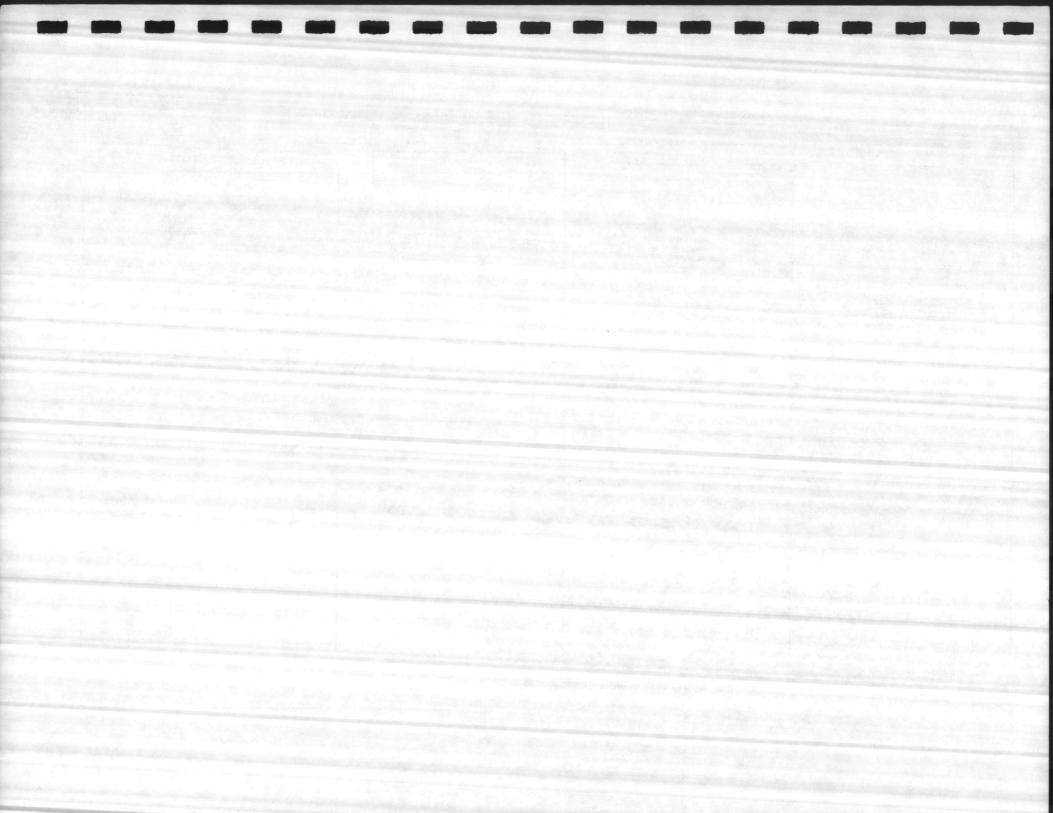


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
	No ammunition; Reconnaissance Survey Occupation Preparation (RSOP) of position only		
Climate Seasonal Tropic Temperate Arctic Desert All-Weather (Indoor)		NOT 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

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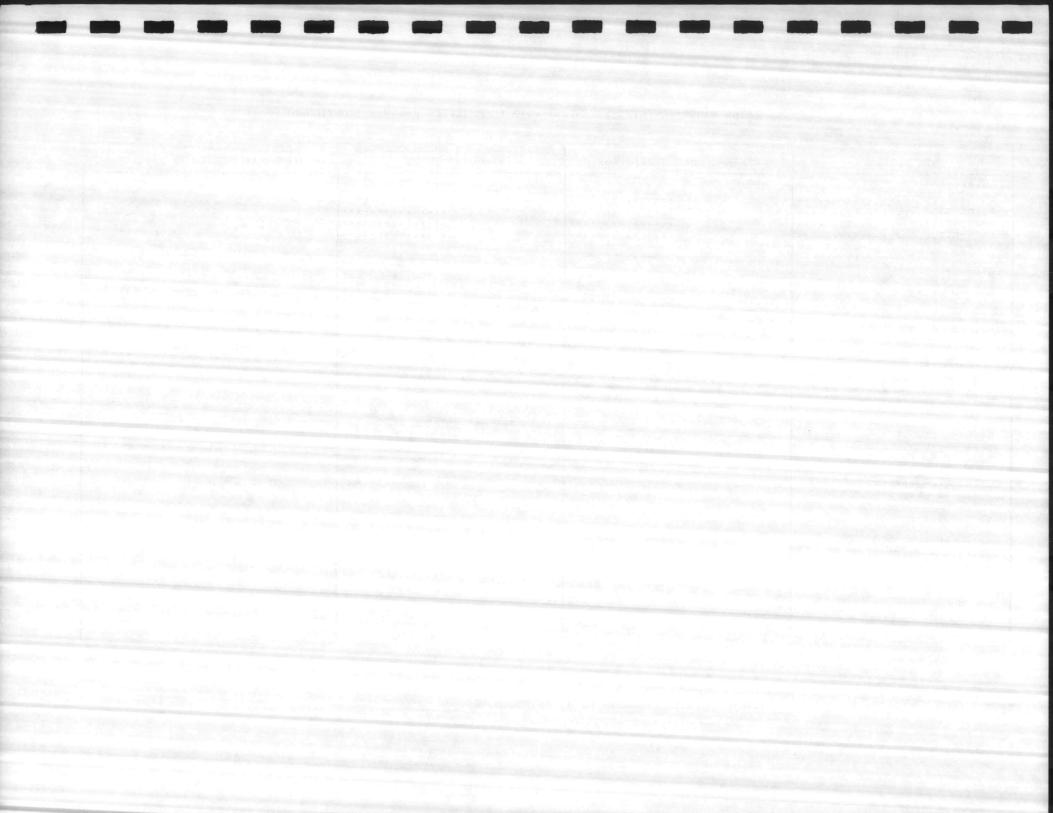
RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.



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	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	Yes		

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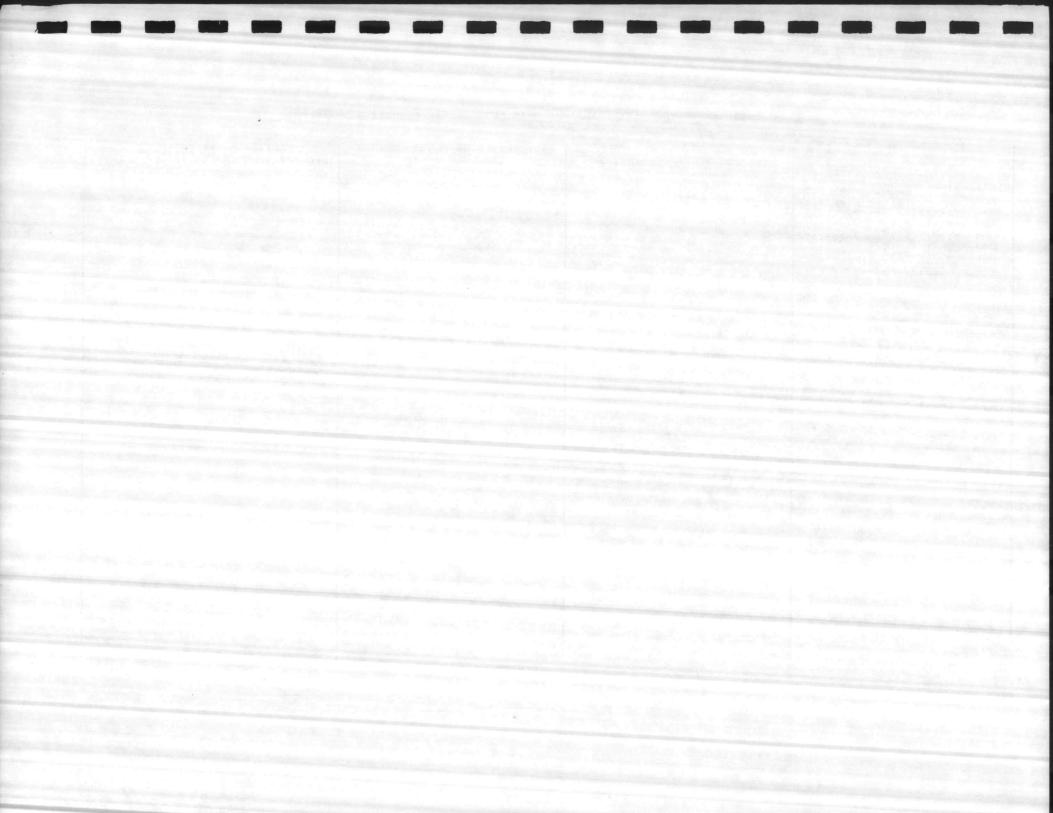


DATA ELEMENT	PRESENT CHARACTERISTICS	ANTICIPATED OR KNOWN CHANGES (INCLUDE YEAR)	DESIRED CHARACTERISTICS (SPECIFY YEAR NEEDED IF APPLICABLE)
Non-availability per Year Total	10	0	
Other Ranges Which Must Be Closed When This Range is in Use	NA		
Are There Site-unique Features (Waivers to Range Standards, Safety, etc.)? Yes, No, Explain	NA		
Are There Site-unique Requirements Placed on Using Units? Yes, No, Explain	NA		

FILE	NAME:	LP010116

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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 EnvironmentalAICUZ	NA		
FAA Noise Gas/Chemical Pyrotechnics/Flare Time of Day Time of Year Other	4		
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RANGE/FACILITY MANAGER: D. J. Hashagen, Sr.

