

Summary of the Key Attributes of the Alternatives

Attribute	Alternative 1—No Action	Alternative 2—GTA Actions	Alternative 3—GTA Actions + CSS Soldiers	Alternative 4—GTA Actions + CSS Soldiers + Medium CAB
Approx. Number of New Soldiers ¹	None	1,880 Soldiers	2,880 Soldiers (1,880 + 1,000)	5,680 Soldiers (1,880 + 1,000 + 2,800)
Approx. Number of New Soldiers and Family Members	None	4,740 Soldiers and Family	7,260 Soldiers and Family (4,720 + 2,520)	11,500 Soldiers and Family (4,720 + 2,520 + 4,260)
New Cantonment Area Construction:				
<i>Fort Lewis</i>	Several new SBCT facilities throughout cantonment area	Several additional new SBCT facilities throughout cantonment area	Several CSS facilities to be located in the North Fort area	Several medium CAB facilities to be located near Gray Army Airfield and East Division areas
<i>YTC</i>	No construction	No construction	No construction proposed	No construction proposed
New Range Construction				
<i>Fort Lewis</i>	No construction	5 range construction projects	No additional construction proposed	No additional construction proposed
<i>YTC</i>	No construction	2 range construction projects	No additional construction proposed	No additional construction proposed
Units Training Simultaneously at Full Intensity	2 SBCTs + all other Fort Lewis units	3 SBCTs + GTA Units + all other Fort Lewis units	3 SBCTs + GTA Units + CSS Units + all other Fort Lewis units	3 SBCTs + GTA Units + Medium CAB unit + all other Fort Lewis units
Number of Annual Maneuver Miles (by Units)				
<i>SBCT:</i>	4,510,200 miles Fort Lewis: 2,707,200 miles; YTC: 1,803,000 miles	6,765,300 miles Fort Lewis: 4,060,800 miles; YTC: 2,704,500 miles	6,765,300 miles Fort Lewis: 4,060,800 miles; YTC: 2,704,500 miles	6,765,300 miles Fort Lewis: 4,060,800 miles; YTC: 2,704,500 miles
<i>GTA Units:</i>	0 miles	144,100 miles Fort Lewis: 90,750 miles; YTC: 53,350 miles	144,100 miles Fort Lewis: 90,750 miles; YTC: 53,350 miles	144,100 miles (Fort Lewis: 90,750 miles; YTC: 53,350 miles)
<i>CSS Units:</i>	0 miles	0 miles	524,000 miles Fort Lewis: 330,000 miles; YTC: 194,000 miles	524,000 miles Fort Lewis: 330,000 miles; YTC: 194,000 miles
<i>CAB Vehicles:</i>	0 miles	0 miles	0 miles	446,405 miles Fort Lewis: 267,140 miles; YTC: 179,265 miles)
<i>Total:</i>	4,510,200 miles Fort Lewis: 2,707,200 miles; YTC: 1,803,000 miles	6,909,400 miles Fort Lewis: 4,151,550 miles; YTC: 2,757,850 miles	7,433,400 miles Fort Lewis: 4,481,550 miles; YTC: 2,951,850	7,879,805 miles Fort Lewis: 4,748,690 miles; YTC: 3,131,115 miles

Note:

1 All stationing would occur at Fort Lewis. Training of new Soldiers would occur at both Fort Lewis and YTC.

Acronyms and Abbreviations used in this EIS

Acronym	Spelled Out
$\mu\text{g}/\text{m}^3$	micrograms per cubic meter
AAFES	Army Air Force Exchange Service
ACP	access control point
ACSIM	Assistant Chief of Staff for Installation Management
ACUB	Army Compatible Use Buffer
ADA	average daily attendance
ADNL	A-weighted day-night sound level
ADP	Area Development Plan
AERMOD	American Meteorological Society/EPA Regulatory Model
AFB	Air Force Base
AH	attack helicopter
AIA	artillery impact area
AICUZ	Air Installation Compatible Use Zone
AIRFA	American Indian Religious Freedom Act
AMF	Army Modular Force
AQCR	air quality control region
AR	Army Regulation
ARFF	Aircraft Rescue Fire Fighting
Army	Department of the Army
ARPA	Archaeological Resources Protection Act
ASIL	acceptable source impact level
ATC	Air Traffic Control
ATTACC	Army Training and Testing Area Carrying Capacity
AUL	Authorized Use List
AVIM	Aviation Intermediate Maintenance
BA	Biological Assessment
BAX	Battle Area Complex
BCT	Brigade Combat Team
BEA	Bureau of Economic Analysis
BMP	best management practice
BNSF	Burlington Northern Santa Fe
BPA	Bonneville Power Administration
BRAC	Base Realignment And Closure
BSA	brigade support area
ca	circa
CAB	Combat Aviation Brigade
CACTF	Combined Arms Collective Training Facility
CALFEX	combined arms live-fire exercise
CC	compliance-related cleanup
CDC	child development center
CDNL	C-weighted day-night sound level

Acronym	Spelled Out
CEMML	Center for Environmental Management of Military Lands
CEQ	Council on Environmental Quality
CERCLA	Comprehensive Environmental Response, Compensation And Liability Act
CFR	Code of Federal Regulations
cfs	cubic feet per second
CH	cargo helicopter
CIA	central impact area
CIS	capital investment strategy
cm	centimeter
CNRMP	Cultural and Natural Resource Management Plan
CO	carbon monoxide
CO ₂	carbon dioxide
COF	Company Operations Facility
CRM	Cultural Resources Manager
CS	Combat Support
CSAIA	central small arms impact area
CSS	Combat Service Support
CUA	Controlled Use Area
CWA	Clean Water Act
dB	decibel
dBA	A-weighted decibel
DCA	Directorate of Community Activities
DEIS	Draft EIS
DERP	Defense Environmental Restoration Program
DES	Directorate of Emergency Services
DFMWR	Directorate of Family and Morale, Welfare, and Recreation
DHSVM-HEM	Distributed Hydrology Soil Vegetation Model – Hillslope Erosion Model
DMPRC	Digital Multipurpose Range Complex
DMPTR	Digital Multipurpose Training Range
DNL	day-night sound level
DoD	Department of Defense
DoDI	Department of Defense Instructions
DOE	Directorate of Environment
DOIM	Director of Information Management
DPS	distinct population segment
DPTM	Director of Plans, Training and Mobilization
DPTMS	Directorate of Plans, Training, Mobility and Security
DPW	Directorate of Public Works
DRMO	Defense Reutilization and Marketing Office
DU	depleted uranium
e.g.	for example

Acronym	Spelled Out
EA	Environmental Assessment
ED	Environmental Division
EEAP	Energy Engineering Analysis Program
EFH	Essential Fish Habitat
EIFS	Economic Impact Forecast System
EIS	Environmental Impact Statement
EMS	Environmental Management System
ENMP	Environmental Noise Management Program
ENRD	Environment and Natural Resources Division
EO	Executive Order
EOD	explosives ordnance disposal
EPA	U.S. Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-to-Know Act
ESA	Endangered Species Act
ESC	Expeditionary Sustainment Command
ESU	evolutionary significant unit
FAA	Federal Aviation Administration
FAC	Fire Alarm Central
FARRP	forward area rearming and refueling point
FEIS	Final EIS
FEMA	Federal Emergency Management Agency
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FIRM	Flood Insurance Rate Map
FM	Field Manual
FMTV	family of medium tactical vehicle
FONSI	Finding of No Significant Impact
FPEIS	Final Programmatic Environmental Impact Statement
FRP	Facility Response Plan
ft/s	feet per second
FY	fiscal year
g/p/d	gallons per person per day
GAAF	Gray Army Airfield
GDPR	Global Defense Posture Realignment
GHG	greenhouse gases
gpd	gallons per day
gpm	gallons per minute
GPP	Green Procurement Program
GTA	Grow the Army
ha	hectares
HABS	Historic American Building Survey
HAP	hazardous air pollutant
HBCT	Heavy Brigade Combat Team
HCM	Highway Capacity Manual

Acronym	Spelled Out
HEMTT	heavy expanded mobility tactical truck
HET	heavy equipment transport
HIMARS	High Mobility Artillery Rocket System
HMCC	hazardous materials control center
HMMP	Hazardous Material Management Plan
HMMWV	high mobility multi-wheeled vehicle
HOV	high-occupancy vehicle
HQ	Headquarters
HQDA	Headquarters, Department of the Army
HVAC	heating, ventilating, air conditioning
Hz	Hertz
i.e.	that is
I-405	Interstate 405
I-5	Interstate 5
I-82	Interstate 82
I-90	Interstate 90
IAFF	International Association of Fire Fighters
IBCT	Infantry Brigade Combat Team
ICP	Installation contingency plan
ICRMP	Integrated Cultural Resource Management Plan
ICS	incident command system
ICUZ	installation compatible use zone
IFR	instrument flight rules
INRMP	Integrated Natural Resource Management Plan
IPM	Integrated Pest Management
IPMP	Integrated Pest Management Plan
IRP	Installation Restoration Program
ISO	International Organization for Standardization
ISWM	integrated solid waste management
ITAM	Integrated Training Area Management
IWFMP	Integrated Wildland Fire Management Plan
JGA and AMEC	John Gallup and Associates and AMEC Earth and Environmental, Inc.
kg	kilogram
km	kilometer
kph	kilometers per hour
kV	kilovolt
L	liter
L/min	liters per minute
L/p/d	liters per person per day
LAV	Light Armored Vehicle
LBP	lead-based paint
LCTA	Land Condition Trend Analysis
L _{dn}	day-night average sound level

Acronym	Spelled Out
LEED	Leadership in Energy and Environmental Design
L _{eq}	equivalent noise levels
L _{max}	maximum noise level event
LOS	level of service
LRC	long-range component
LUPZ	Land Use Planning Zone
m	meter
m ³	cubic meters
MAD	management action decision
MAMC	Madigan Army Medical Center
MBTU	million British thermal unit
MCL	maximum contaminant level
METL	Mission Essential Task List
mgd	million gallons per day
MGS	mobile gun system
MH or MVH	Medivac helicopters
mi ³	cubic miles
MIA	main impact area
MIL-CLASS	Military Class
MILCON	military construction
min	minute
mm	millimeter
MMRP	Military Munitions Response Program
MOA	Military Operations Area
mph	miles per hour
MPMG	multi-purpose machine gun
MPRC	Multi-purpose Range Complex
MPTR	Multi-purpose Training Range
MRF	modified record fire
MSDS	Material Safety Data Sheet
MSL	mean sea level
mVA	megavolt-ampere
MW	megawatt
MWH	megawatt hour
NAAQS	National Ambient Air Quality Standard
NAGPRA	Native American Graves Protection and Repatriation Act
NCO	non-commissioned officer
NEPA	National Environmental Policy Act
NESHAP	national emission standards for hazardous air pollutants
NHPA	National Historic Preservation Act
NLR	noise level reduction
NMFS	National Marine Fisheries Service
NO ₂	nitrogen dioxide

Acronym	Spelled Out
NOA	Notice of Availability
NOE	Nap-of-the-Earth
NOI	Notice of Intent
NOTOM	Notice to Airmen
NO _x	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
NSAIA	north small arms impact area
NTC	National Training Center
ORTC	Operational Readiness Training Center
P2	pollution prevention
PA	Programmatic Agreement
PBMS	Performance-based Management Strategy
PBT	persistent bioaccumulative toxic
PCB	polychlorinated biphenyl
PK15	unweighted peak, 15% metric
PM	particulate matter
PM ₁₀	particulate matter less than 10 microns
PM _{2.5}	particulate matter less than 2.5 microns
POL	petroleum, oils, and lubricants
PPA	Pollution Prevention Act
ppb	parts per billion
ppm	parts per million
PSCAA	Puget Sound Clean Air Agency
PSD	prevention of significant deterioration
PSE	Puget Sound Energy
psi	pounds per square inch
PSWQA	Puget Sound Water Quality Authority
PX	Post Exchange
QRP	Qualified Recycling Program
QTR	Qualification Training Range
RCO	Residential Communities Office
RCRA	Resource Conservation and Recovery Act
RCW	Revised Code of Washington
RDN	Robert D. Niehaus, Inc.
RFFA	reasonably foreseeable future action
RMO	Fort Lewis Resource Management Office
RNA	Research Natural Area
ROD	Record of Decision
ROI	Region of Influence
ROTC	Reserve Officer Training Corps

Acronym	Spelled Out
RPMP	Real Property Master Plan
RSTA	reconnaissance, surveillance, and target acquisition
RTLA	Range and Training Land Assessment
RTV	rational threshold values
RUL	Restricted Use List
RUSLE	Revised Universal Soil Loss Equation
SARA	Superfund Amendments Reauthorization Act
SAS	school aged services
SAW	squad automatic weapon
SBCT	Stryker Brigade Combat Team
SDZ	surface danger zone
SEL	sound exposure level
SF	square feet
SFF	sniper field fire
SHPO	State Historic Preservation Office
SIMDSS	Spreadsheet Implemented Multi-objective Decision Support System
SIP	State Implementation Plan
SO ₂	sulfur dioxide
SOF	Special Operations Forces
SOP	standard operating procedure
SO _x	sulfur oxides
SPCCP	Spill Prevention, Countermeasure, and Control Plan
SR	State Route
SRC	short-range component
SRKW	southern resident killer whale
SSAIA	south small arms impact area
STRAC	Standards in Training
SUA	Special Use Airspace
SWPPP	Stormwater Pollution Prevention Plan
t/ac/y	tons per acre per year
TA	training area
TAA	training assembly area
TC	Training Circular
TCE	trichloroethylene
TCP	traditional cultural properties
TIP	Transportation Improvement Program
TMDL	total maximum daily loads
TOC	tactical operations center
tpy	tons per year
TRI	Toxic Release Inventory
TSCA	Toxic Substances Control Act
UAS	unmanned aerial system
UESC	Utility Energy Savings Contract

Acronym	Spelled Out
UFGS	United Facilities Guide Specifications
UH	utility helicopter
UMTU	Unexploded Munitions Treatment Unit
USAAAD	U.S. Army Air Ambulance Detachment
USACE	U.S. Army Corps of Engineers
USACHPPM	U.S. Army Center for Health Promotion and Preventive Medicine
USC	United States Code
USDA	U.S. Department of Agriculture
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Service
UXO	unexploded ordnance
VAH	Vagabond Army Heliport
VEC	Valued Environmental Component
VFR	visual flight rules
VOC	volatile organic compound
WAARNG	Washington Army National Guard
WAC	Washington Administrative Code
WAU	watershed administrative units
WDFW	Washington Department of Fish and Wildlife
WDNR	Washington Department of Natural Resources
WFPM	Wildland Fire Program Manager
WHPA	wellhead protection areas
WNHP	Washington Natural Heritage Program
WRIA	water resource inventory area
WSDOT	Washington State Department of Transportation
WTU	Warrior Transition Unit
YRCAA	Yakima Regional Clean Air Agency
YRS	Yakima Research Station
YTC	Yakima Training Center