For Informational Purposes Only

LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project OC3 - Jackson

Harvest Unit #: 3
NEPA Unit #: 103
Estimated Acres: 17.3
Prescription: improvement
MBF Removal/Acre: 5
BA for unit by Species: 20 PP 10 WL 70 DF
Mean DBH by Species: 14 PP 10" WL 11 DF

IMPROVEMENTS:
Survey Monuments _____ Location _____
Fences _____ Location _____
Other power line

ROADS:
Haul Road # 4752 A
Maintenance: ☒ Reconstruction: ☐
Remarks _____

Construction
Specified N/A Length _____
Temporary _____ Length _____

RESOURCES:
Streams N/A Location _____
Springs N/A Location _____
Nests N/A Location _____
Other N/A Location _____

LOGGING SYSTEM:

Tractor: ☐ Forwarder/Cut-to-Length: ☐ Skyline: ☒ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100

Logging System Specifics:
Percentage Uphill 100 Percentage Downhill 0
Average Slope 65 # of Landings _____
Max Yarding Distance 700' Directional Falling Yes ☐ No ☒ locate on map
Average Yarding Distance 500' Obstacles Yes ☐ No ☒ locate on map

COMMENTS:

mechanical tail hold maybe needed

northern stand boundary is by the powerlines

BOUNDARY RE-ADJUSTED 08/21/23 BH

UNIT IS SKYLINE OFF OF EXISTING RD
NS-70 NOT PLANNING ON BUILDING
CAN SHARE LANDINGS W/ 103A

WHY AREAS WERE DROPPED/EXCLUDED:

dropped area because of wind level

PREPARED BY Josef Kase

Date 8/23/22

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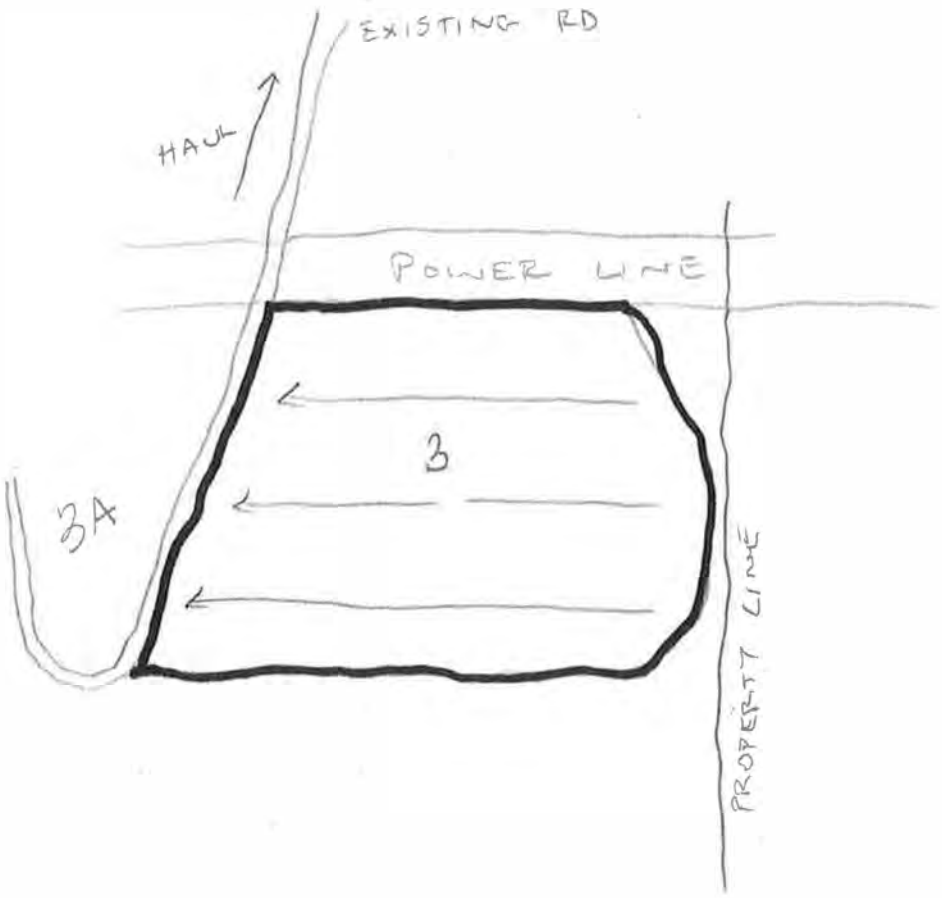
U. 103
08121123
BH



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project 0035 - A56

Harvest Unit #: 3A
NEPA Unit #: 103
Estimated Acres: 2.28
Prescription: SHELTERWOOD
MBF Removal/Acre: _____
BA for unit by Species: _____
Mean DBH by Species: _____

IMPROVEMENTS:

Survey Monuments _____ Location _____
Fences _____ Location _____
Other _____

ROADS:

Haul Road # _____
Maintenance: ☐ Reconstruction: ☐
Remarks _____

Construction

Specified _____ Length _____
Temporary _____ Length _____

RESOURCES:

Streams _____ Location _____
Springs _____ Location _____
Nests _____ Location _____
Other _____ Location _____

LOGGING SYSTEM:

Tractor: ☒ Forwarder/Cut-to-Length: ☐ Skyline: ☐ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: _____

Logging System Specifics:

Percentage Uphill 50 % Percentage Downhill 50 %
Average Slope 15-20% # of Landings 1
Max Yarding Distance _____ Directional Falling Yes ☐ No ☐ locate on map
Average Yarding Distance _____ Obstacles Yes ☐ No ☐ locate on map

COMMENTS:

3A IS LOCATED ON RIDGE TOP BETWEEN A RD SWITCHBACK. UNIT CONSISTS MOSTLY OF DRY SITE DF + PP. N BOUNDARY OF UNIT IS THE POWERLINE COORIDOR.

WHY AREAS WERE DROPPED/EXCLUDED:

PREPARED BY B. HOFFMAN

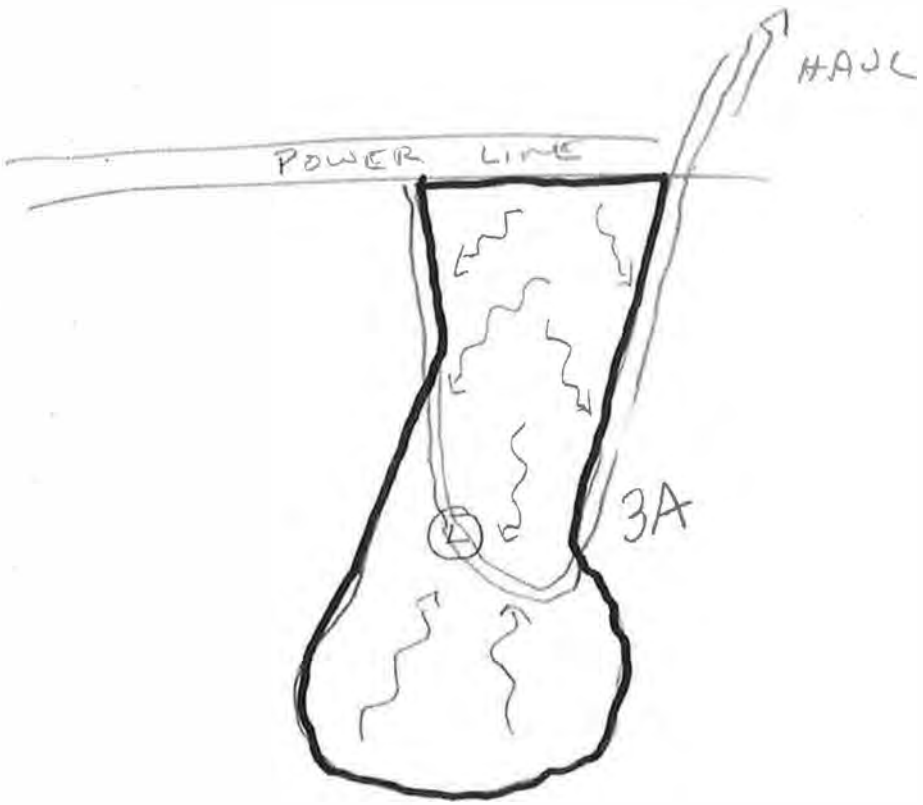
Date 08/21/23

MAP: **Unit #:** 3A

Legend

Unit Boundary	T Tractor Logging
Yarding Direction – Skyline	F Forwarder/Cut to Length Logging
Yarding Direction - Tractor	S Skyline Logging
Proposed Log Landing Location	Hel Helicopter Logging
Existing Road	J Jammer
Temporary Road (constructed/existing)	TL Track Line Machine
Stream Channel	Dir Directional Falling
Riparian Buffer	W Surface Water
	XXX Dropped Areas

N



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project 043

Harvest Unit #: 6
NEPA Unit #: 6
Estimated Acres: 71
Prescription: IMPROVEMENT/INTERMEDIATE
MBF Removal/Acre: 10000
BA for unit by Species: DF 120 PP 60 WL 40
Mean DBH by Species: DF 18" PP 20" WL 20"

IMPROVEMENTS:
Survey Monuments BEARING TREES Location N.E. CORNER
Fences / Location
Other TRAIL UP RIDGE THRU MIDDLE OF UNIT

ROADS:
Haul Road #
Maintenance: ☐ Reconstruction: ☐
Remarks

Construction
Specified Length
Temporary ON OLD CAT LINE SE. SIDE Length 1000'
OR (REALLY MORE A PRE-EXISTING EXCAVATED SKID TRAIL?)

RESOURCES:
Streams / Location
Springs / Location
Nests / Location
Other REC. TRAIL ABOVE Location

LOGGING SYSTEM:

Tractor: ☒ Forwarder/Cut-to-Length: ☐ Skyline: ☐ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100% T

Logging System Specifics:
Percentage Uphill 5% Percentage Downhill 95%
Average Slope 30 # of Landings ?
Max Yarding Distance 900' SKID Directional Falling Yes ☐ No ☐ locate on map
Average Yarding Distance 500' SKID Obstacles Yes ☐ No ☐ locate on map

COMMENTS:

MOSTLY SLOPED & A COUPLE AREAS PRETTY STEEP BUT WILL GO FOR TRACTORING DOWN TO EXISTING ROADS ON W. & S. AREA ON TOP IS BENCHY & ROLLING; ONE LOW HOLLOW AREA W/A SHORT PITCH OF ADVERSE SKID. SE. PORTION SLOPES OFF OPPOSITE BUT WOOD ACCESSIBLE FOR FAVORABLE SKID DOWN EXISTING EXCAVATED CAT ROAD. A FOOT TRAIL RUNS S TO N THRU ENTIRE UNIT, PAST MAINTENANCE BUT DOESN'T LOOK MUCH USED. GOOD VOLUME, NICE TREES IN HERE: DF PREDOMINATES (SOME BIG ONES FOR LEAVE) BUT ALSO GOOD COMPONENT OF LARGER PP, ALONG WITH SOME NICE WL. OVERALL A "TUICIER" UNIT THAN AVERAGE FOR THE AREA. WORTH PUSHING A BIT FOR TRACTOR.

WHY AREAS WERE DROPPED/EXCLUDED:

A NARROW STRIP ALONG PROPERTY BOUNDARY ALONG E SIDE WAS DROPPED, WAY TOO STEEP OFF OF SLOPE BREAK & NO ACCESS BELOW.

PREPARED BY G. VRANIZAN

Date 09/14/2022

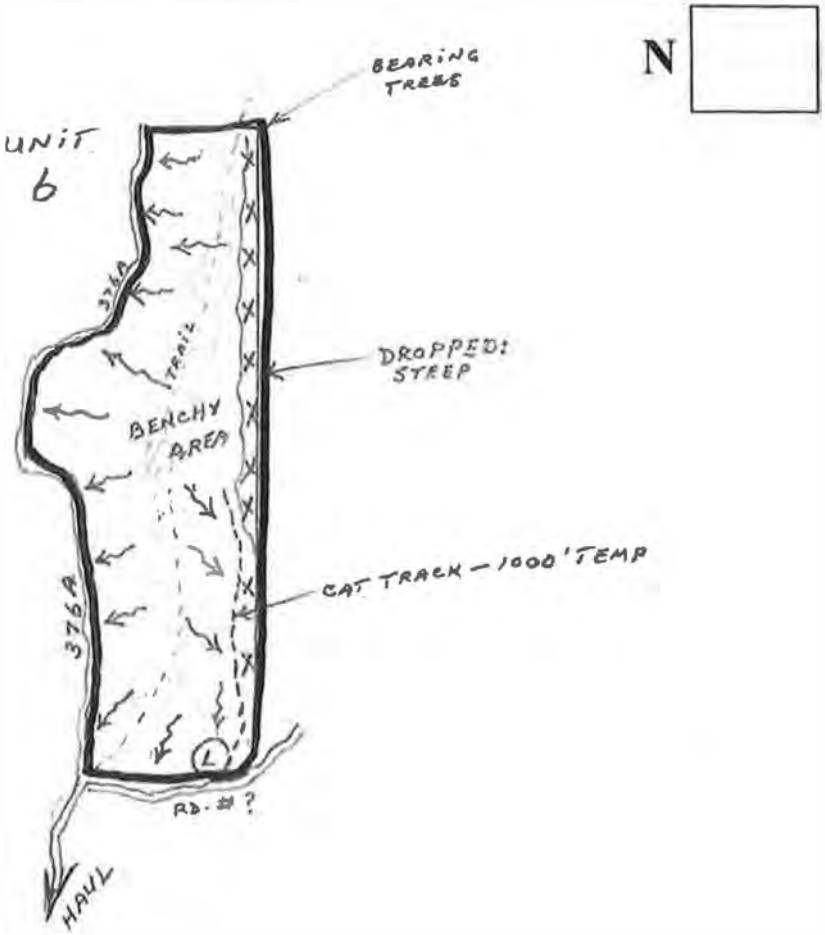
****For Informational Purposes Only****

MAP: **Unit #:** 6

Legend

- Unit Boundary
- Yarding Direction – Skyline
- Yarding Direction - Tractor
- (1) Proposed Log Landing Location
- Existing Road
- Temporary Road (constructed/existing)
- Stream Channel
- ////////// Riparian Buffer

- T Tractor Logging
- F Forwarder/Cut to Length Logging
- S Skyline Logging
- Hel Helicopter Logging
- J Jammer
- TL Track Line Machine
- Dir Directional Falling
- W Surface Water
- XXX Dropped Areas



Unit # 6

EXISTING CONDITION of the > 5" DBH – RX

Total unit BA/acre (>5" DBH):

Species	% of total BA of > 5" DBH	% BA - Small size (5-10") % BA – Medium size (10-15") % BA – Large size (>20")	Insect and Disease issues	Concerns
PP	25	10/40/50	/	
WL	15	5/55/40	% WL with mistletoe	
DF	60	30/30/40	/	
LPP				
Other				

Suggested designation: _____

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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project OV3 Jackson

Harvest Unit #: 10
NEPA Unit #: 110
Estimated Acres: 19 acres
Prescription: Clearcut w/ Reserves
MBF Removal/Acre: 2 MBF/acre
% Species Composition: 70% DF 20% PP 10% WL
Mean DBH by Species: 12" 15" 13"

IMPROVEMENTS:

Survey Monuments – Location –
Fences – Location –
Other –

ROADS:

Haul Road # NS-9 → 9944 → 4753
Maintenance: ☑ Reconstruction: ☐
Remarks –

Construction

Specified NS-9 Length –
Temporary – Length –

RESOURCES:

Streams – Location –
Springs – Location –
Nests – Location –
Other – Location –

LOGGING SYSTEM:

Tractor: ☑ Forwarder/Cut-to-Length: ☐ Skyline: ☐ Helicopter: ☐ Shovel: ☐

Track Line Machine: ☐ Other/Notes: –

Logging System Specifics:

Percentage Uphill 5% Percentage Downhill 95%
Average Slope 30% # of Landings 1 + Roadside
Max Yarding Distance 1300' Directional Falling Yes ☑ No ☐ locate on map
Average Yarding Distance 500' Obstacles Yes ☐ No ☑ locate on map

COMMENTS:

Unit 10 is a dry site tractor unit located off of the proposed specified road NS-9. The species composition is mostly DF with some PP there are a high # of snags throughout the unit

There are some 40-45% pitches in the northern half of the unit but are all 100'-125' max

There is a small directional felling area above NS-9, see map.

About 0.9 acres was added to the unit that was outside NEPA due to accessibility and similar stand type

The proposed landing location is a good spot but there are no other flat areas along the proposed location for NS-9. If turnouts are built along or at the end of the road those will act as good landings.

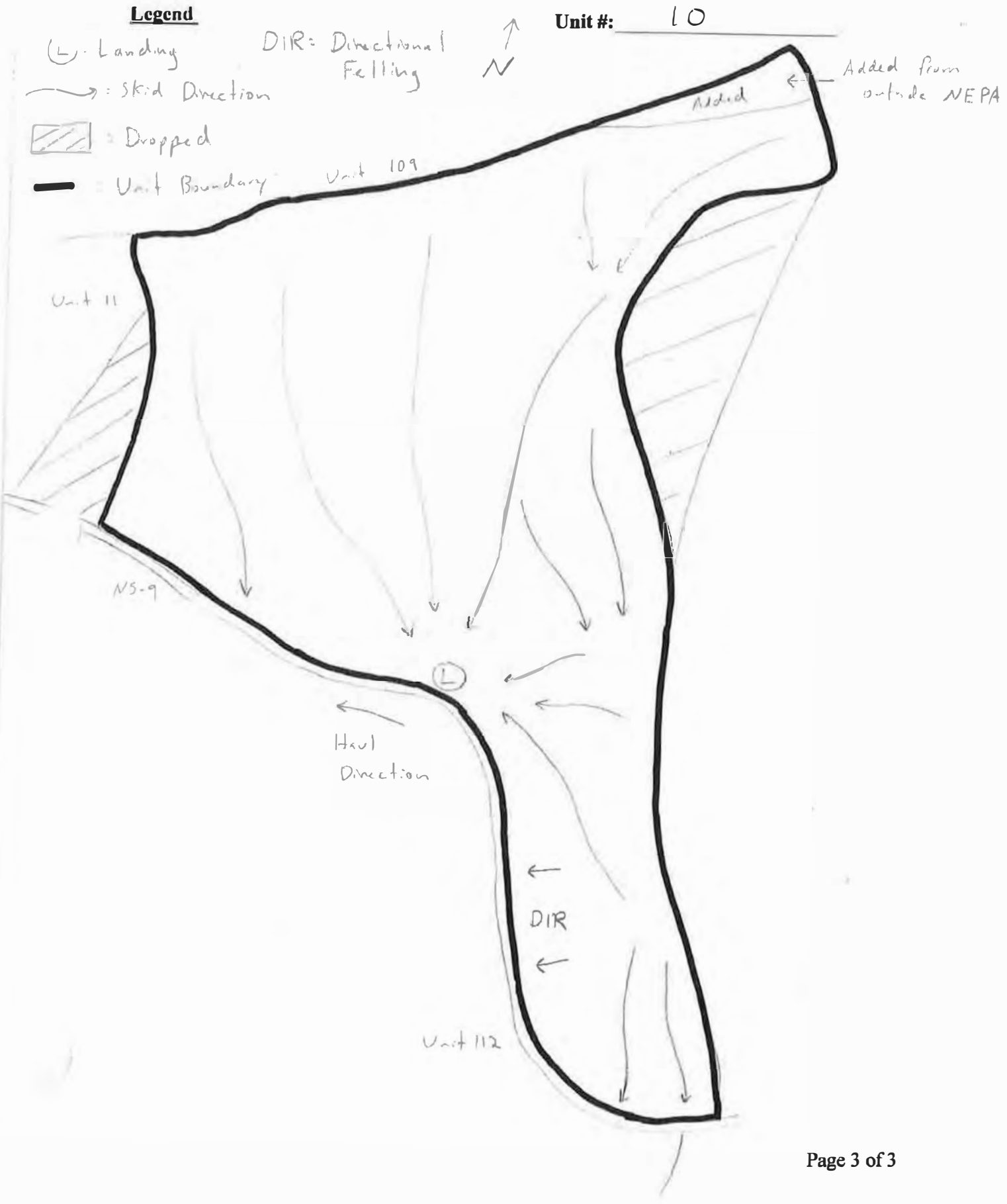
Volume from U109 [illegible] skid through U10 if that is better than skidding 2000' west down the ridge

WHY AREAS WERE DROPPED/EXCLUDED:

Both dropped areas were too steep for ground-based skidding.

PREPARED BY Trevor Currie

Date 8/19/23


Legend
L - Landing
DIR: Directional Felling
: Skid Direction
: Dropped
: Unit Boundary
Unit #: 10
Added from outside NEPA
Added
Unit 109
Unit 11
NS-9
L
Haul Direction
DIR
Unit 112

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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project OU3 Jackson

Harvest Unit #: 11
NEPA Unit #: 110
Estimated Acres: 8
Prescription: Clearcut w/ Reserves
MBF Removal/Acre: 8 mbf/acre
% Species Composition: DF 80% PP 20%
Mean DBH by Species: 12 18"

IMPROVEMENTS:

Survey Monuments – Location –
Fences – Location –
Other –

ROADS:

Haul Road # 99443 → 4753
Maintenance: ☑ Reconstruction: ☐
Remarks 99443 is on private ground

Construction

Specified NS-9 Length –
Temporary – Length –

RESOURCES:

Streams – Location –
Springs – Location –
Nests – Location –
Other – Location –

LOGGING SYSTEM:

Tractor: ☐ Forwarder/Cut-to-Length: ☐ Skyline: ☐ Helicopter: ☐ Shovel: ☐

Track Line Machine: ☑ Other/Notes: –

Logging System Specifics:

Percentage Uphill 95% Percentage Downhill 5%
Average Slope 50% # of Landings 1
Max Yarding Distance 425' Directional Falling Yes ☐ No ☑ locate on map
Average Yarding Distance 200' Obstacles Yes ☐ No ☑ locate on map

COMMENTS:

Unit 11 is proposed as a swing unit using a TLM and a skidder. Unit 11 was split from the 110 NEPA poly because it was too steep for ground-based.

The proposed spur NS-9 will make up the southern boundary of the unit.

Unit 109 north of 111 is also a TLM swing unit. Much of the excavated skid trail needed for the TLM can be shared between units.

There are some small 0.5-1 acre areas that can be logged with a buncher/skidder.

The max yarding distance is only 425'. max skid distance on the ridge is about 1500'.

There are some rock outcrops on the ridgetop that could act as obstacles to the TLM. It was determined that skid trails could be put around these.

WHY AREAS WERE DROPPED/EXCLUDED:

The SE dropped area was too steep for harvester and too sidehill to cable yard.

PREPARED BY Trevor Currie

Date 8/14/23

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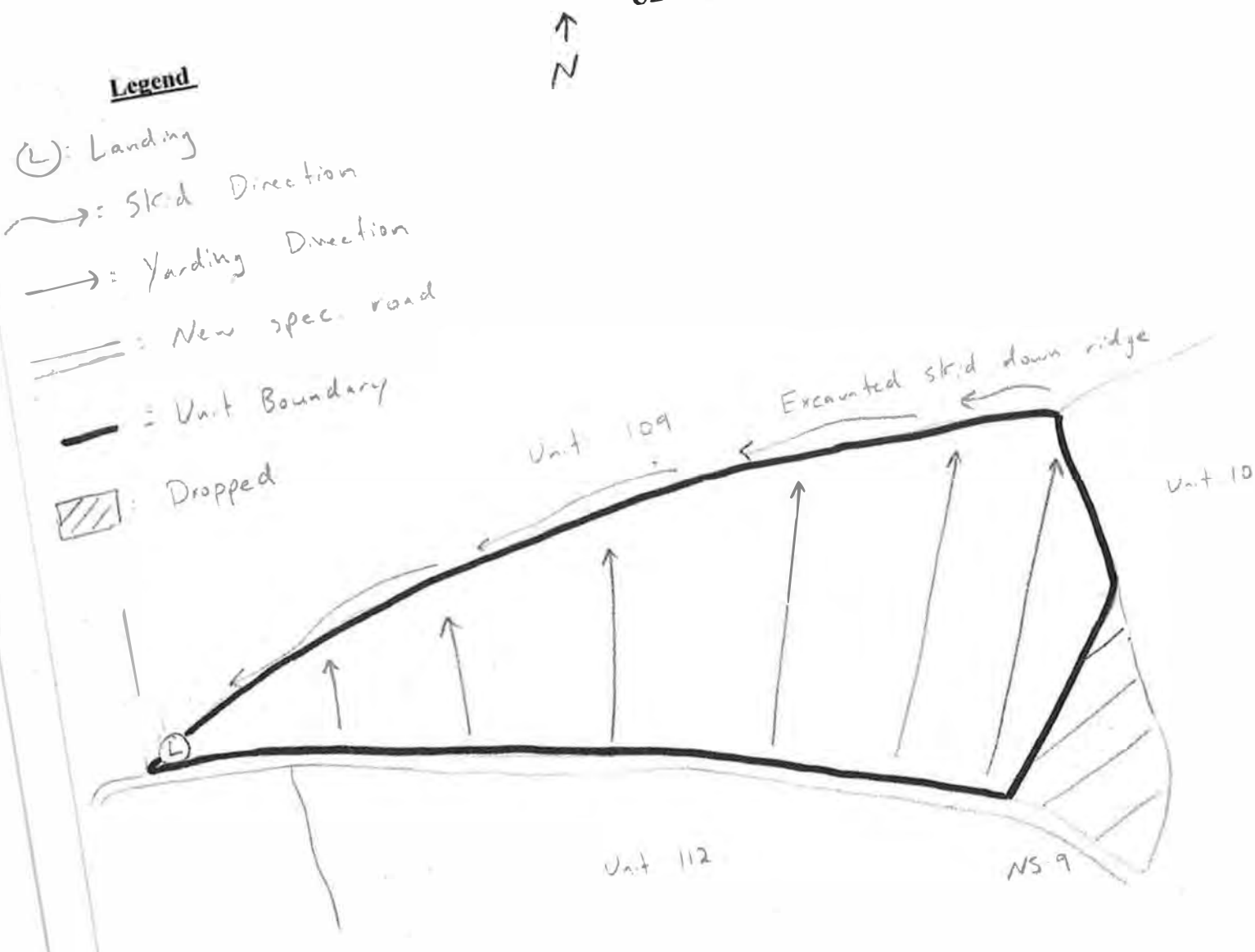
Unit #: 11



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project Jackson 003

Harvest Unit #: 17
NEPA Unit #: 117
Estimated Acres: 28
Prescription: Shelterwood
MBF Removal/Acre: 4
BA for unit by Species: DF: 60 PP: 30 WL: 10
Mean DBH by Species: DF: 16 PP: 16 WL: 14

IMPROVEMENTS:

Survey Monuments ____ Location ____
Fences ____ Location ____
Other ____

ROADS:

Haul Road # 99443 A
Maintenance: ☒ Reconstruction: ☐
Remarks Rd goes through Private

Construction

Specified ____ Length 2,250 ft
Temporary ____ Length ____

RESOURCES:

Streams ____ Location ____
Springs Some standing water Location Eastern boundary
Nests ____ Location ____
Other Mineral Licks Location Eastern boundary

LOGGING SYSTEM:

Tractor: ☐ Forwarder/Cut-to-Length: ☐ Skyline: ☒ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100%

Logging System Specifics:

Percentage Uphill 100% Percentage Downhill 0
Average Slope 60% # of Landings 2
Max Yarding Distance 1,100 Directional Falling Yes ☒ No ☐ locate on map
Average Yarding Distance 700 Obstacles Yes ☐ No ☒ locate on map

COMMENTS:

A spec rd that gets constructed off of 99443A makes this unit easy to line all the way across the western boundary. The slope is consistent throughout most of the unit. Directional felling may be useful in some areas on the bottom portion of Eastern boundary to avoid slight blind lead.

The constructed spec rd. may need to be flagged in better but the idea is to use the road as the unit boundary.

The eastern boundary borders a wet spot but is buffered accordingly. Unit 116 is likely to be dropped due to water.
There is an interesting feature on the Eastern boundary that resembles a mineral lick - unsure. Wildlife may want to take a look, but this also resides outside of the boundary within 25 ft.

WHY AREAS WERE DROPPED/EXCLUDED:

PREPARED BY Carmen Pesh[illegible]

Date 9/8/22

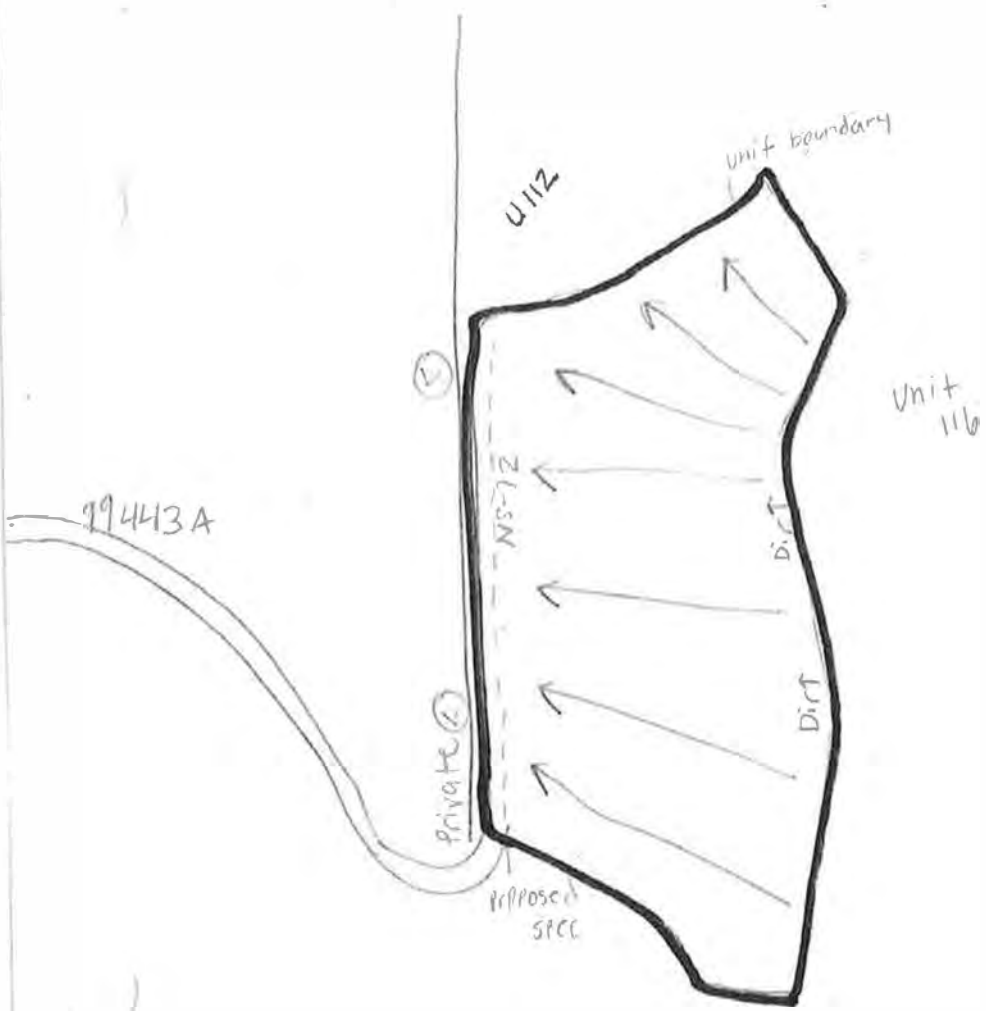
MAP: Unit #: 17

Legend

- Unit Boundary
- Yarding Direction – Skyline
- Yarding Direction - Tractor
- (1) Proposed Log Landing Location
- Existing Road
- Temporary Road (constructed/existing)
- Stream Channel
- Riparian Buffer

T	Tractor Logging
F	Forwarder/Cut to Length Logging
S	Skyline Logging
Hel	Helicopter Logging
J	Jammer
TL	Track Line Machine
Dir	Directional Falling
W	Surface Water
XXX	Dropped Areas

N ↑



Unit # 17

EXISTING CONDITION of the > 5" DBH – RX

Total unit BA/acre (>5" DBH):

Species	% of total BA of > 5" DBH	% BA - Small size (5-10") % BA – Medium size (10-15") % BA – Large size (>10")	Insect and Disease issues	Concerns
PP	30	5-10 : 10%. 10-15 : 40%. >15 : 50%.		
WL	10	5-10 : 30%. 10-15 : 50%. >15 : 20%.	% WL with mistletoe 50	root rot?
DF	60	5-10 : 20%. 10-15 : 40%. >15 : 40%.		
LPP				
Other				

Suggested designation: Shelterwood

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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project BUS. Mitigation Jackson

Harvest Unit #: 17A
NEPA Unit #: 115
Estimated Acres: 6
Prescription: CCR
MBF Removal/Acre:
BA for unit by Species:
Mean DBH by Species:

IMPROVEMENTS:
Survey Monuments Yes Location
Fences / Location
Other /

ROADS:
Haul Road #
Maintenance: ☐ Reconstruction: ☐
Remarks

Construction
Specified NS-72 Length 0.32
Temporary Length

RESOURCES:
Streams / Location
Springs / Location
Nests / Location
Other / Location

LOGGING SYSTEM:

Tractor: ☒ Forwarder/Cut-to-Length: ☐ Skyline: ☐ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system:

Logging System Specifics:
Percentage Uphill 75% Percentage Downhill 25%
Average Slope 25-30% # of Landings 2
Max Yarding Distance 3500ft+ Directional Falling Yes ☐ No ☐ locate on map
Average Yarding Distance 200ft Obstacles Yes ☐ No ☐ locate on map

COMMENTS:

- Small tractor unit broken out of 117
- units sets along the ridge, old skid trail on the border between 117 + 17A

WHY AREAS WERE DROPPED/EXCLUDED:

PREPARED BY L. DeLong

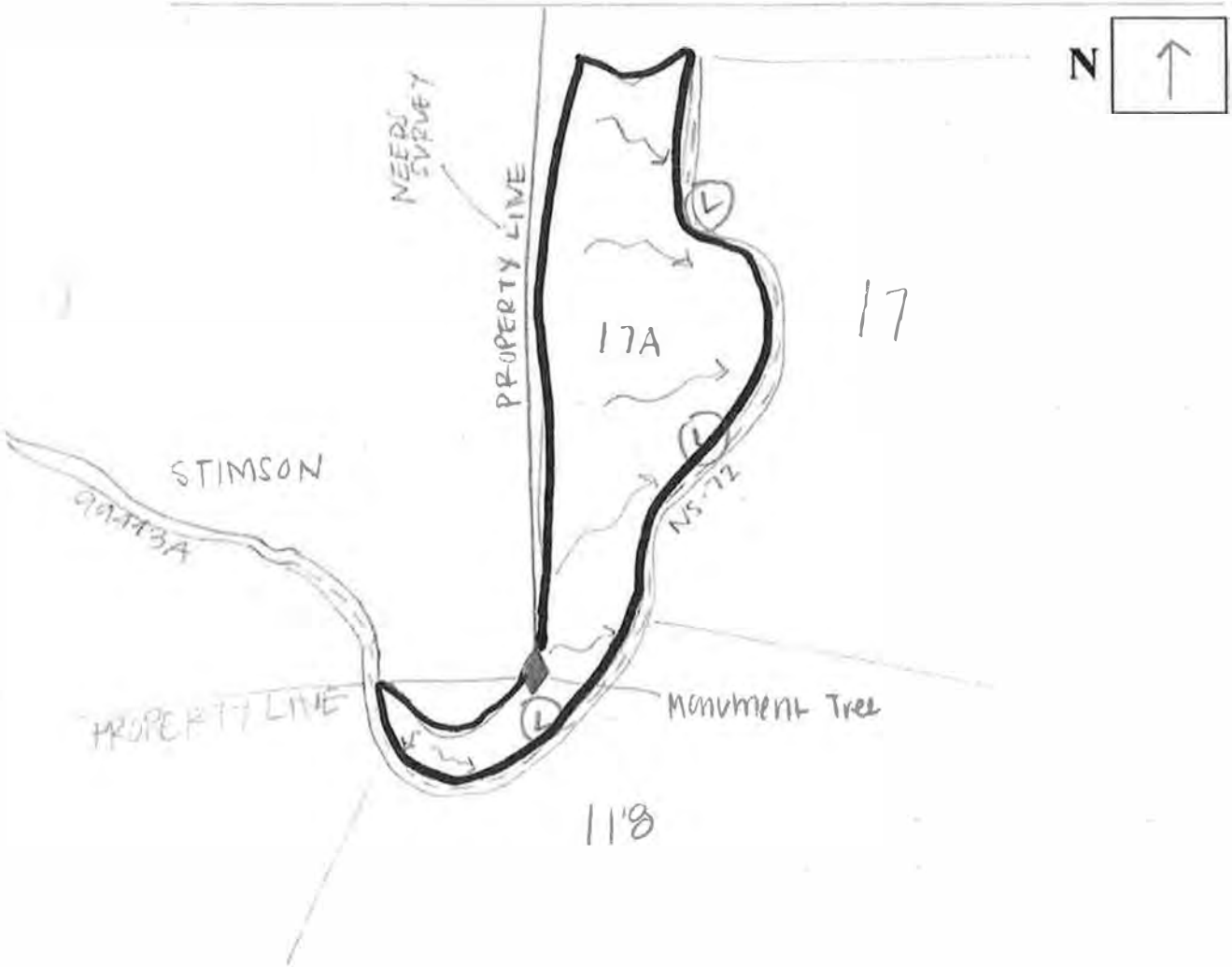
Date 10/12/23

For Informational Purposes Only

MAP: **Unit #:** 17A

Legend

Unit Boundary	T Tractor Logging
Yarding Direction – Skyline	F Forwarder/Cut to Length Logging
Yarding Direction - Tractor	S Skyline Logging
(1) Proposed Log Landing Location	Hel Helicopter Logging
Existing Road	J Jammer
Temporary Road (constructed/existing)	TL Track Line Machine
Stream Channel	Dir Directional Falling
Riparian Buffer	W Surface Water
	XXX Dropped Areas



For Informational Purposes Only

LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project 0113 Mitchell

Harvest Unit #: 20
NEPA Unit #: 120
Estimated Acres: 20
Prescription: Improvement
MBF Removal/Acre:
BA for unit by Species:
Mean DBH by Species:

IMPROVEMENTS:
Survey Monuments Location
Fences Location
Other

ROADS:
Haul Road #
Maintenance: Reconstruction:
Remarks

Construction
Specified NS-1 Length 0.13
Temporary Length

RESOURCES:
Streams Location
Springs Location
Nests Location
Other Location

LOGGING SYSTEM:

Tractor: [X] Forwarder/Cut-to-Length: ☐ Skyline: ☐ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system:

Logging System Specifics:
Percentage Uphill Percentage Downhill
Average Slope 60 2 9 % # of Landings 2
Max Yarding Distance Directional Falling Yes No locate on map
Average Yarding Distance Obstacles Yes No locate on map

For Informational Purposes Only

COMMENTS:

- large PP w/ DL
- old blue paint
- denser in bottom of [illegible]
- Draw on both sides w/ [illegible] leg.

WHY AREAS WERE DROPPED/EXCLUDED:

PREPARED BY R Tardiff + B. Hoffman

Date 10/31/22

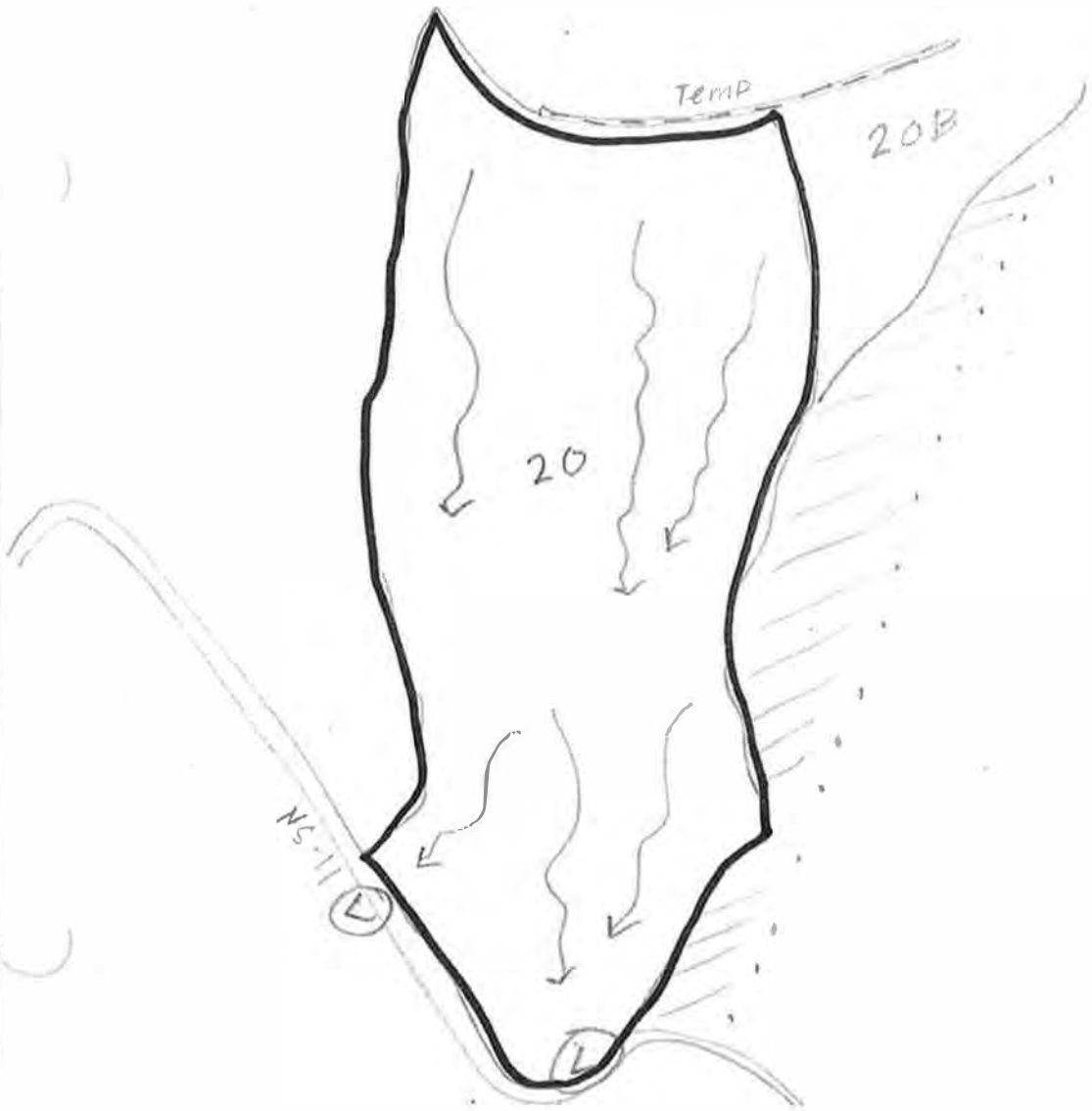
For Informational Purposes Only

MAP: **Unit #:** 20

Legend

Unit Boundary	T Tractor Logging
Yarding Direction – Skyline	F Forwarder/Cut to Length Logging
Yarding Direction - Tractor	S Skyline Logging
Proposed Log Landing Location	Hel Helicopter Logging
Existing Road	J Jammer
Temporary Road (constructed/existing)	TL Track Line Machine
Stream Channel	Dir Directional Falling
Riparian Buffer	W Surface Water
	XXX Dropped Areas

N



For Informational Purposes Only

LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project OM3- Mitchell Jackson

Harvest Unit #: 20B
NEPA Unit #: 120
Estimated Acres: 5
Prescription: Seed tree
MBF Removal/Acre:
BA for unit by Species:
Mean DBH by Species:

IMPROVEMENTS:
Survey Monuments Location
Fences Location
Other

ROADS:
Haul Road #
Maintenance: ☐ Reconstruction: ☐
Remarks

Construction
Specified Length
Temporary T-14 Length

RESOURCES:
Streams Location
Springs Location
Nests Location
Other Location

LOGGING SYSTEM:

Tractor: ☐ Forwarder/Cut-to-Length: ☐ Skyline: ☒ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system:

Logging System Specifics:
Percentage Uphill 100% Percentage Downhill
Average Slope 35-40% # of Landings 2
Max Yarding Distance Directional Falling Yes ☐ No ☐ locate on map
Average Yarding Distance Obstacles Yes ☐ No ☐ locate on map

For Informational Purposes Only

COMMENTS:

- Straight forward small line unit
- bottom draw buffered
- DF root rot pockets

WHY AREAS WERE DROPPED/EXCLUDED:

PREPARED BY RJT + L.Delong

Date 7/28/23

For Informational Purposes Only

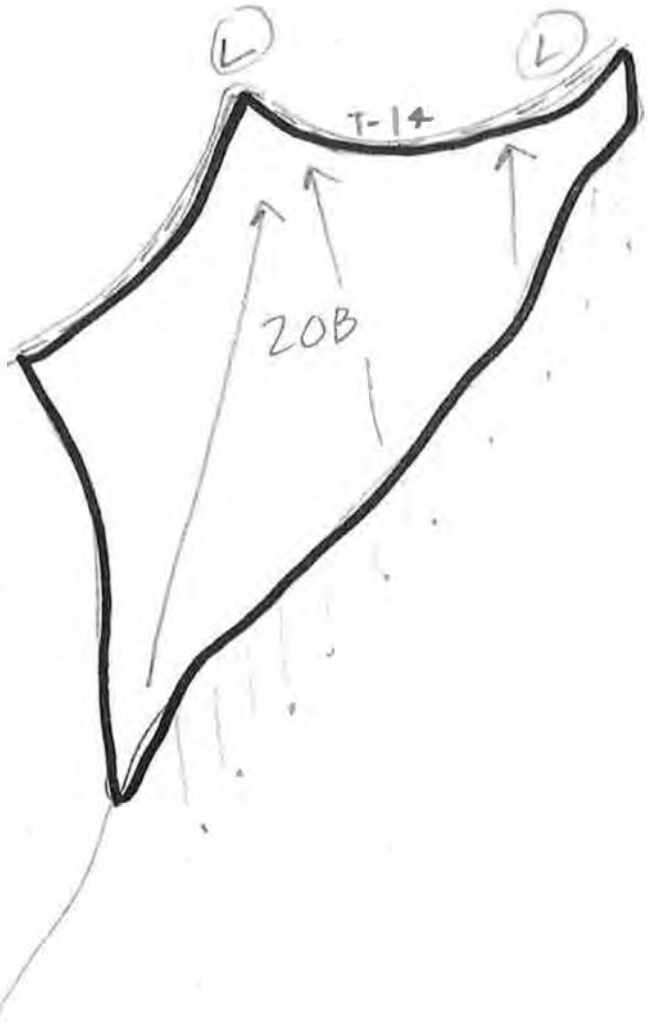
MAP: **Unit #:** 20B2

Legend

- Unit Boundary
- Yarding Direction – Skyline
- Yarding Direction - Tractor
- (1) Proposed Log Landing Location
- Existing Road
- Temporary Road (constructed/existing)
- Stream Channel
- Riparian Buffer

T	Tractor Logging
F	Forwarder/Cut to Length Logging
S	Skyline Logging
Hel	Helicopter Logging
J	Jammer
TL	Track Line Machine
Dir	Directional Falling
W	Surface Water
XXX	Dropped Areas

N



20

For Informational Purposes Only

LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project OU3 Jackson

Harvest Unit #: 20C
NEPA Unit #: 120
Estimated Acres: 23 acres
Prescription: Shelterwood
MBF Removal/Acre: 6-8 mbf/acre
% Species Composition: DF 90% PP 10%
Mean DBH by Species: 10" 16

IMPROVEMENTS:

Survey Monuments – Location –
Fences – Location –
Other –

ROADS:

Haul Road #
Maintenance: ☑ Reconstruction: ☐
Remarks

Construction

Specified – Length –
Temporary – Length –

RESOURCES:

Streams – Location –
Springs – Location –
Nests – Location –
Other – Location –

LOGGING SYSTEM:

Tractor: ☑ Forwarder/Cut-to-Length: ☐ Skyline: ☐ Helicopter: ☐ Shovel: ☐

Track Line Machine: ☐ Other/Notes:

Logging System Specifics:

Percentage Uphill 0% Percentage Downhill 100%
Average Slope 25% # of Landings 3
Max Yarding Distance 600' Directional Falling Yes ☐ No ☑ locate on map
Average Yarding Distance 250' Obstacles Yes ☐ No ☑ locate on map

COMMENTS:

Unit 20C is a straight-forward tractor unit located off RD . Species composition is mostly DF.

The 120 NEPA polygon was split in 5 seperate units due to systems and a stream.

Unit 200 is a cable unit that shares a long common boundary with U20C

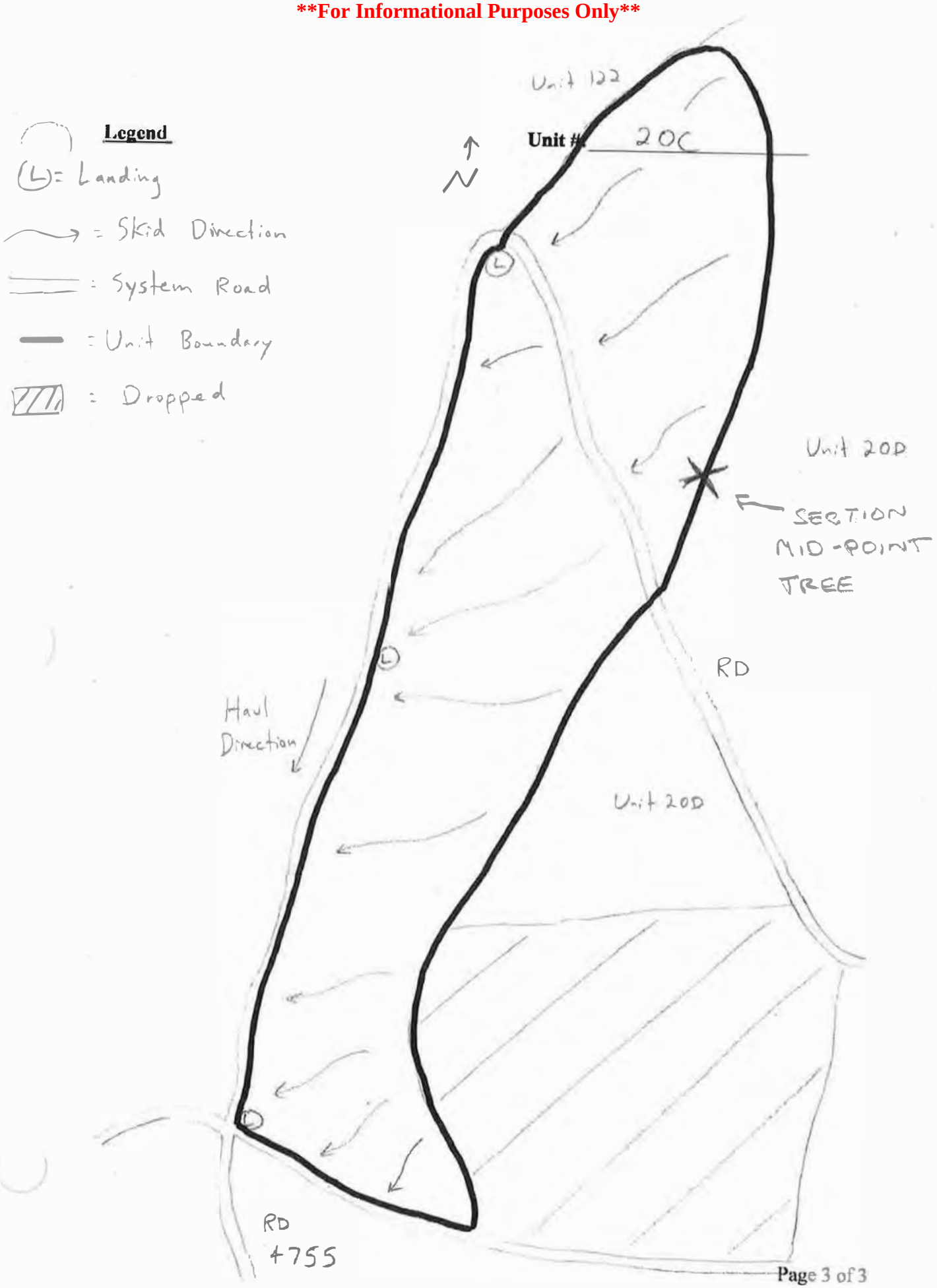
WHY AREAS WERE DROPPED/EXCLUDED:

The SE dropped area was too steep for tractor and too sidehill for cable.

PREPARED BY Trevor Currie

Date 8/22/23

****For Informational Purposes Only****



For Informational Purposes Only

LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project: [illegible] Mitchell Jackson

Harvest Unit #: 200
NEPA Unit #: 120+122
Estimated Acres: 20
Prescription: Shelterwood
MBF Removal/Acre:
BA for unit by Species: 90% DF 10% PP
Mean DBH by Species:

IMPROVEMENTS:
Survey Monuments _____ Location _____
Fences _____ Location _____
Other _____

ROADS:
Haul Road # _____
Maintenance: [ ] Reconstruction: [ ]
Remarks _____

Construction
Specified NS 10 Length 0.9
Temporary _____ Length _____

RESOURCES:
Streams _____ Location _____
Springs _____ Location _____
Nests _____ Location _____
Other _____ Location _____

LOGGING SYSTEM:

Tractor: [ ] Forwarder/Cut-to-Length: [ ] Skyline: [X] Helicopter: [ ] Jammer: [ ]

Track Line Machine: [ ] % for each system: _____

Logging System Specifics:
Percentage Uphill 100 % Percentage Downhill _____
Average Slope 35-40% # of Landings 5
Max Yarding Distance _____ Directional Falling Yes [ ] No [ ] locate on map
Average Yarding Distance _____ Obstacles Yes [ ] No [ ] locate on map

For Informational Purposes Only

COMMENTS:

- SE area dropped, it's to steep to tractor log and too much of a sidehill to skyline log
- mostly DF
- haul route does go inside the OU3 EPA boundary
- lots of sidehill

WHY AREAS WERE DROPPED/EXCLUDED:

PREPARED BY T. Currie + B. Hoffmann + L. DeLong

Date 8/22/23

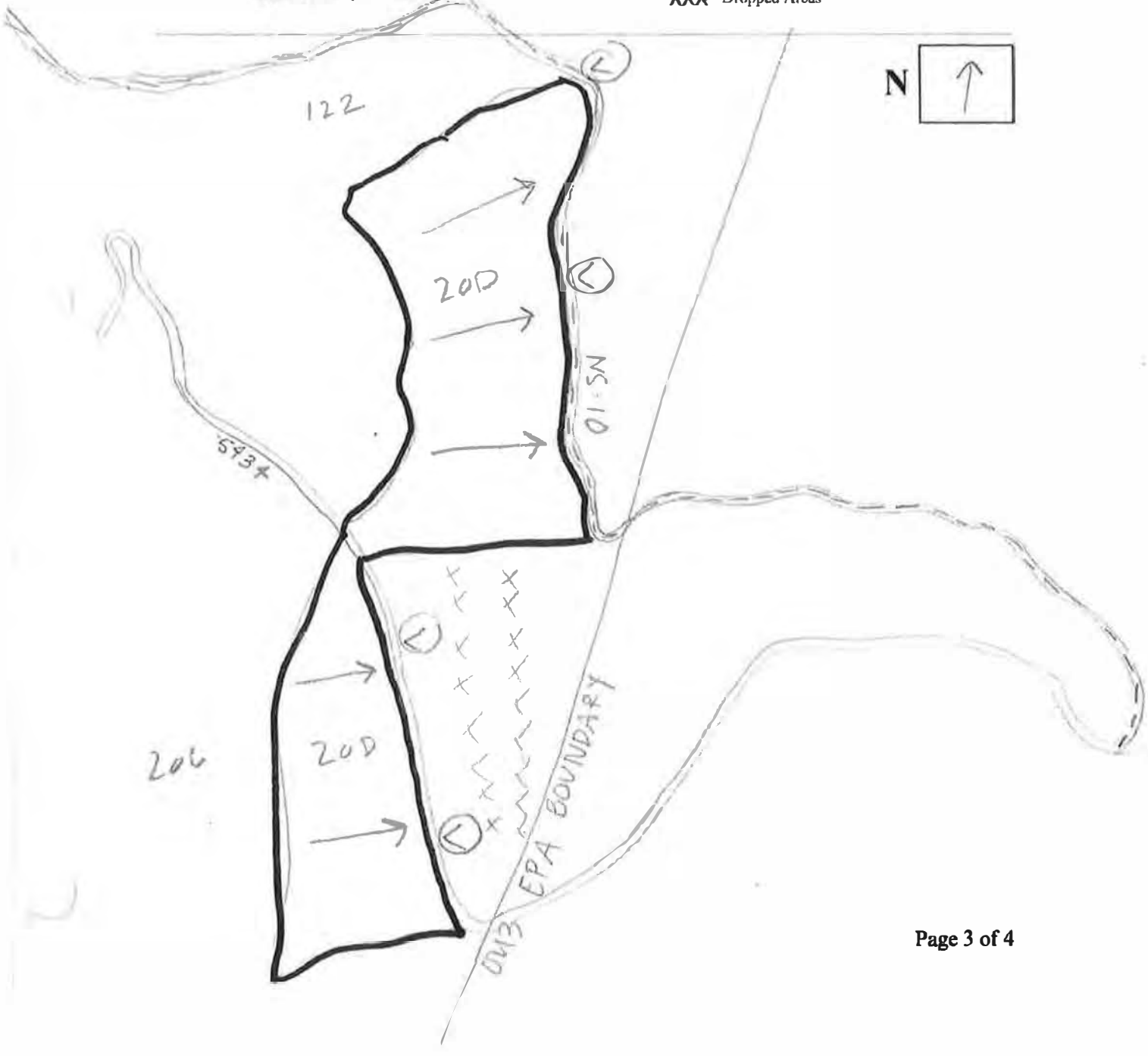
For Informational Purposes Only

MAP: **Unit #:** 20D

Legend

- Unit Boundary
- Yarding Direction – Skyline
- Yarding Direction - Tractor
- (1) Proposed Log Landing Location
- Existing Road
- Temporary Road (constructed/existing)
- Stream Channel
- Riparian Buffer

T	Tractor Logging
F	Forwarder/Cut to Length Logging
S	Skyline Logging
Hel	Helicopter Logging
J	Jammer
TL	Track Line Machine
Dir	Directional Falling
W	Surface Water
XXX	Dropped Areas



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project 043 Jackson

Harvest Unit #: 60
NEPA Unit #: 60
Estimated Acres: 20
Prescription: Commercial Thin / Intermediate Harvest
MBF Removal/Acre: 4
BA for unit by Species:
Mean DBH by Species:

IMPROVEMENTS:

Survey Monuments N/A Location
Fences N/A Location
Other Property line on south edge

ROADS:

Haul Road # 14415 → 4753H → 4753
Maintenance: Reconstruction: X
Remarks + new system road construction extending 14415 road

Construction

Specified Yes Length 0.5 miles
Temporary NO Length —

RESOURCES:

Streams N/A Location
Springs N/A Location
Nests N/A Location
Other Location

LOGGING SYSTEM:

Tractor: X Forwarder/Cut-to-Length: ☐ Skyline: ☐ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100

Logging System Specifics:

Percentage Uphill 5 Percentage Downhill 95
Average Slope 20-25 # of Landings 2-4
Max Yarding Distance 1,000' Directional Falling Yes ☐ No X locate on map
Average Yarding Distance 400' Obstacles Yes ☐ No X locate on map

COMMENTS:

NW boundary follows ridgeline up to steep cross trend, then sidehill to southern boundary.
Southern boundary is property line with Stimson.
LAYOUT ADJUSTED BY BH
BOTTOM OF UNIT IS NOW NS RD 45

WHY AREAS WERE DROPPED/EXCLUDED:

Areas dropped were due to steep slopes.

PREPARED BY R. Tardif

Date 05/23/23

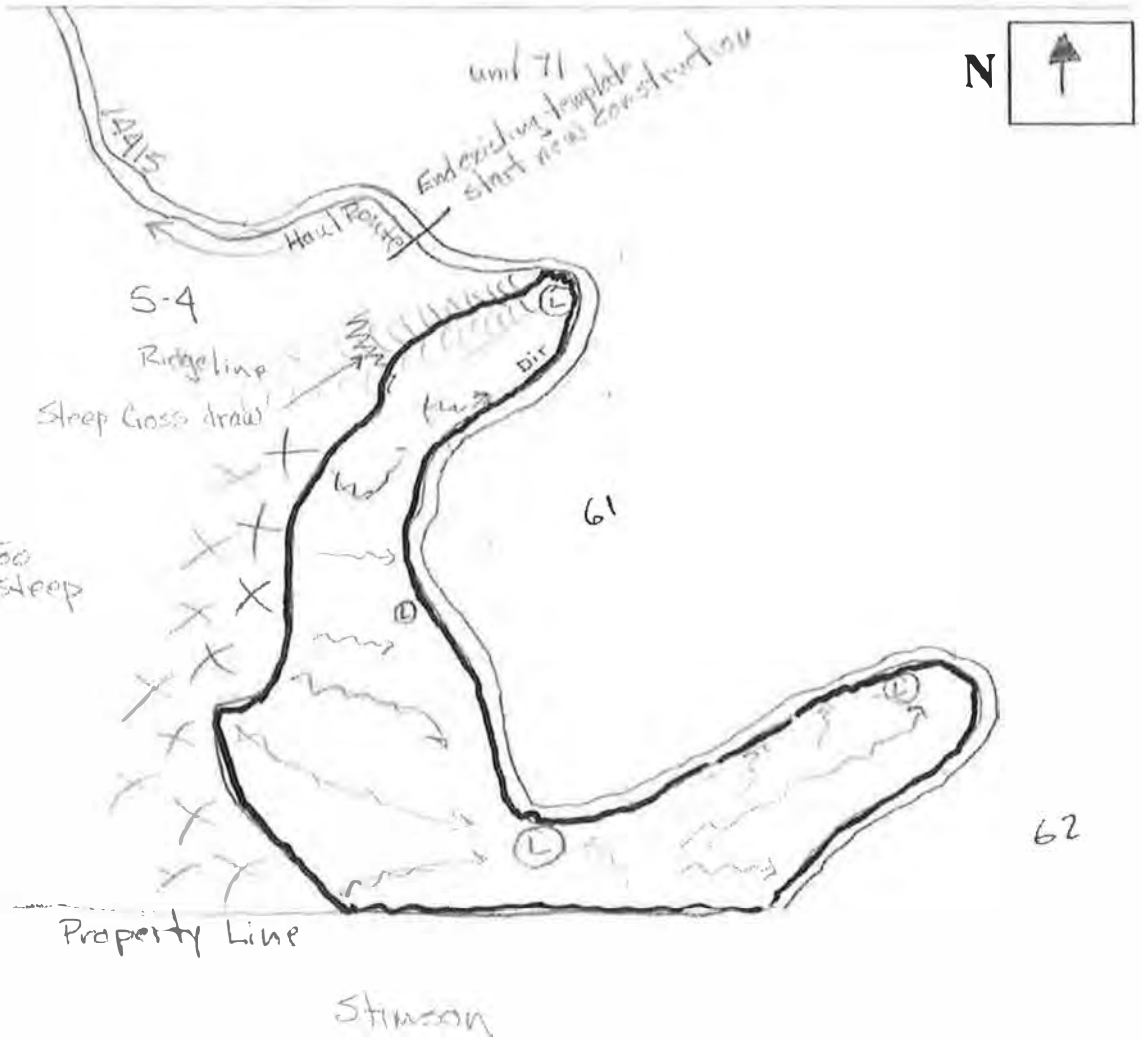
****For Informational Purposes Only****

MAP: **Unit #:** 60

Legend

Unit Boundary	
Yarding Direction – Skyline	
Yarding Direction - Tractor	
Proposed Log Landing Location	
Existing Road	
Temporary Road (constructed/existing)	
Stream Channel	
Riparian Buffer	

T	Tractor Logging
F	Forwarder/Cut to Length Logging
S	Skyline Logging
Hel	Helicopter Logging
J	Jammer
TL	Track Line Machine
Dir	Directional Falling
W	Surface Water
XXX	Dropped Areas



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project BIG JACKSON

Harvest Unit #: 61
NEPA Unit #: 61
Estimated Acres: 13
Prescription: CC8
MBF Removal/Acre: _____
BA for unit by Species: _____
Mean DBH by Species: _____

IMPROVEMENTS:

Survey Monuments _____ Location _____
Fences _____ Location _____
Other _____

ROADS:

Haul Road # NS-45
Maintenance: ☐ Reconstruction: ☐
Remarks _____

Construction

Specified NS-45 Length _____
Temporary _____ Length _____

RESOURCES:

Streams _____ Location _____
Springs _____ Location _____
Nests _____ Location _____
Other _____ Location _____

LOGGING SYSTEM:

Tractor: ☐ Forwarder/Cut-to-Length: ☒ Skyline: ☐ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100

Logging System Specifics:

Percentage Uphill	100	Percentage Downhill	_____
Average Slope	50 %	# of Landings	_____
Max Yarding Distance	780'	Directional Falling	Yes ☐ No ☐ locate on map
Average Yarding Distance	500'	Obstacles	Yes ☐ No ☐ locate on map

COMMENTS:

UNIT 61 IS A SKYLINE UNIT LOCATED ALONG NEW SYSTEM ROAD 45. THE UNIT CONSISTS OF A MIX OF SPECIES, DF, WL, PP. THE DRAW IN THE MIDDLE OF THE UNIT HAS A LARGE COMPONENT OF CEDAR.

THE AREA TO THE NORTH WAS DROPPED DUE TO BROKEN TERRAIN + BLIND LEADS.

WHY AREAS WERE DROPPED/EXCLUDED:

PREPARED BY B. HOFFMAN

Date 10/19/23

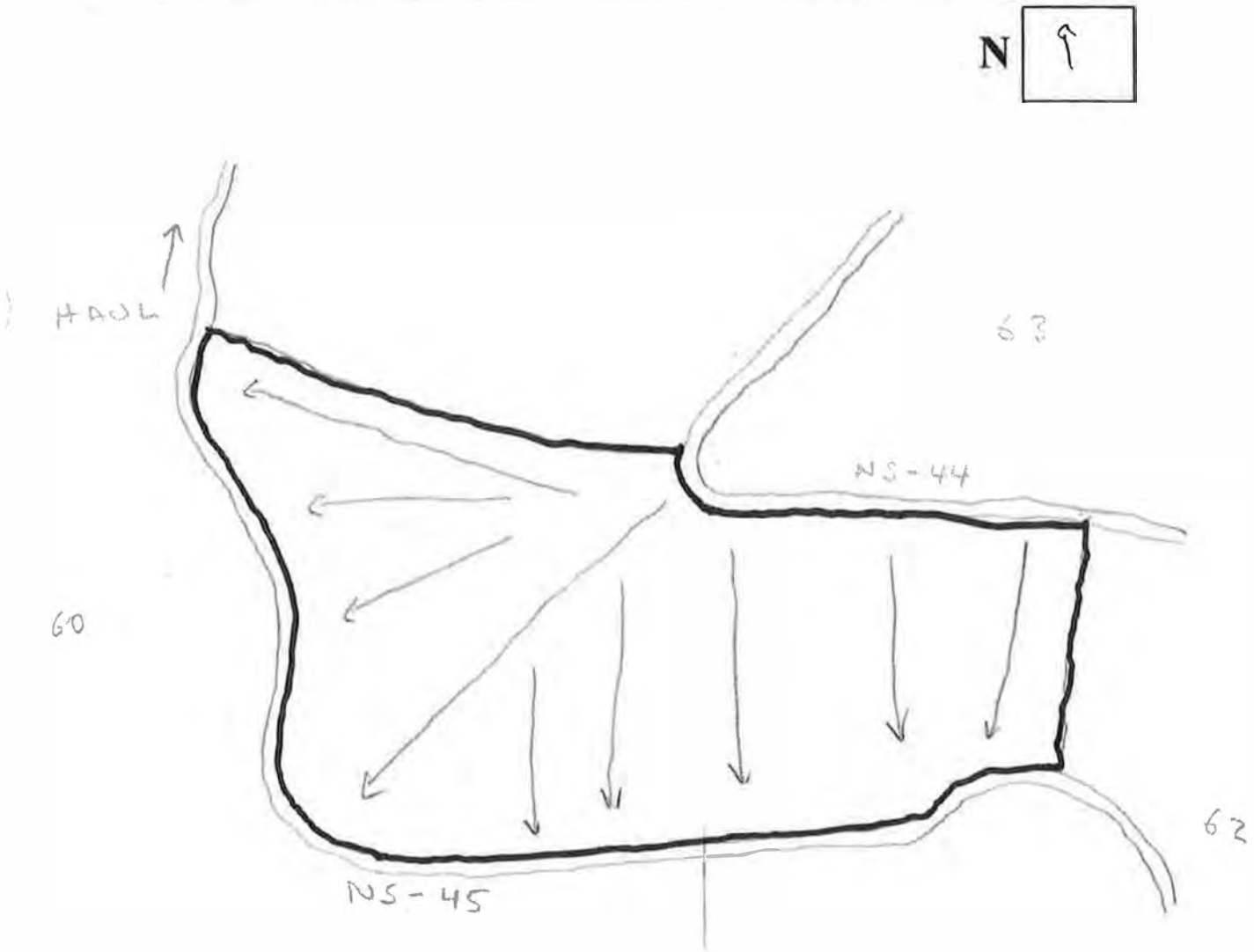
For Informational Purposes Only

MAP: **Unit #:** 61

Legend

- Unit Boundary
- Yarding Direction – Skyline
- Yarding Direction - Tractor
- (1) Proposed Log Landing Location
- Existing Road
- Temporary Road (constructed/existing)
- Stream Channel
- Riparian Buffer

T	Tractor Logging
F	Forwarder/Cut to Length Logging
S	Skyline Logging
Hel	Helicopter Logging
J	Jammer
TL	Track Line Machine
Dir	Directional Falling
W	Surface Water
XXX	Dropped Areas



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project 003 JACKSON

Harvest Unit #: 62
NEPA Unit #: 62
Estimated Acres: 9.5
Prescription: CCR
MBF Removal/Acre:
BA for unit by Species:
Mean DBH by Species:

IMPROVEMENTS:
Survey Monuments POTENTIAL SECTION MIDPOINT Location BUT NOT SEEN
Fences Location
Other

ROADS:
Haul Road # NS-45
Maintenance: ☐ Reconstruction: ☐
Remarks

Construction
Specified NS-45 Length
Temporary Length

RESOURCES:
Streams Location
Springs Location
Nests Location
Other Location

LOGGING SYSTEM:

Tractor: ☐ Forwarder/Cut-to-Length: ☐ Skyline: ☒ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100

Logging System Specifics:
Percentage Uphill 100 Percentage Downhill
Average Slope 45% # of Landings
Max Yarding Distance 600' Directional Falling Yes ☐ No ☐ locate on map
Average Yarding Distance 500' Obstacles Yes ☐ No ☐ locate on map

COMMENTS:

UNIT b2 IS A SMALL SKYLINE UNIT LOCATED AT THE END OF NS-45. SPECIES COMP IS MOSTLY DRY SITE DF + PP.

THE SOUTHERN BOUNDARY OF THIS UNIT IS THE STIMSON PROPERTY LINE. THE EASTERN BOUNDARY FOLLOWS A LOW, CROSS-SLOPE RIDGE THAT WILL IMPROVE DEFLECTION

THE DROPPED AREA TO THE E WAS DROPPED DUE TO BLIND LEADS + SIDE SLOPES

WHY AREAS WERE DROPPED/EXCLUDED:

PREPARED BY B. HOFFMAN

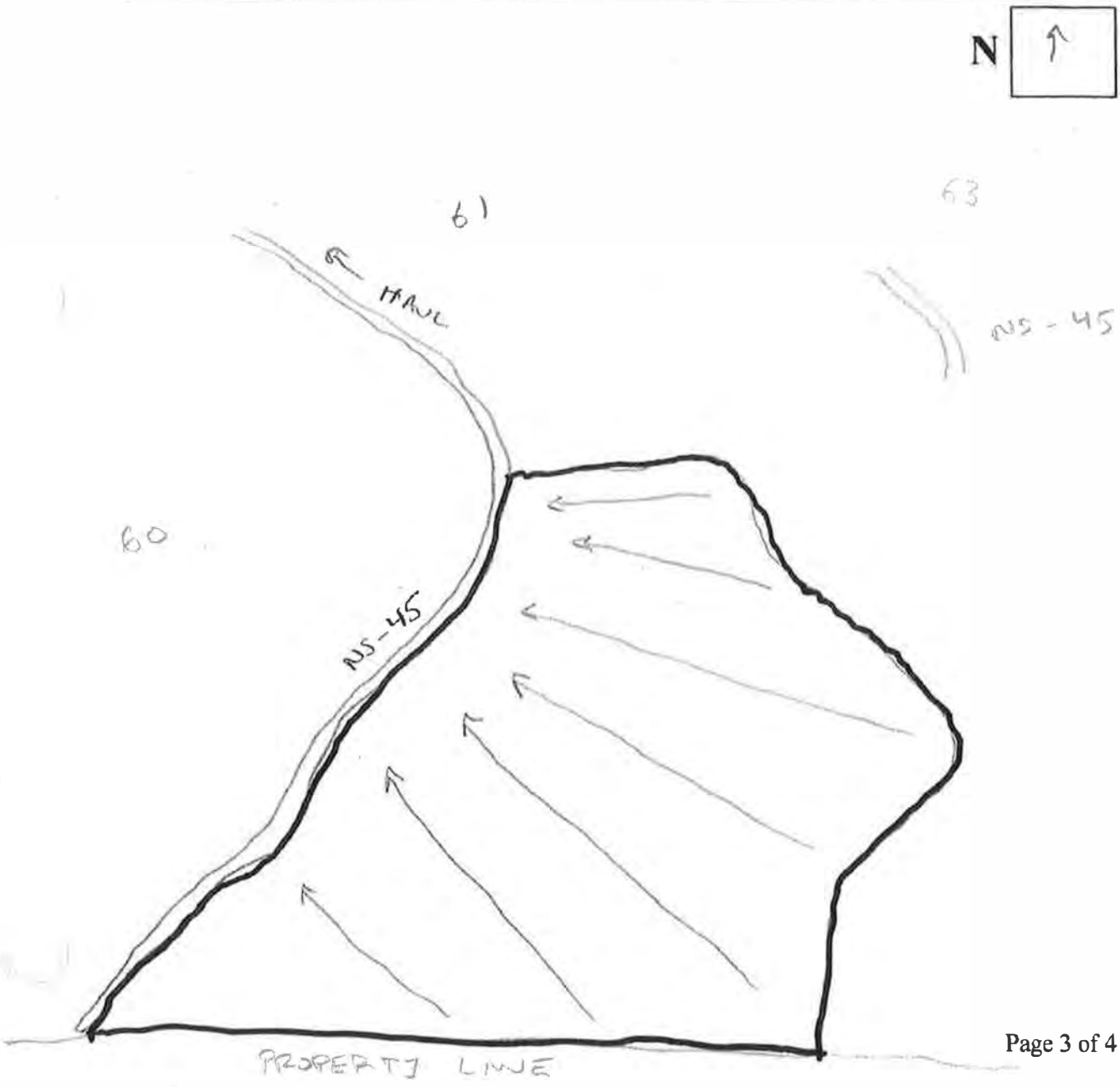
Date 10/19/23

****For Informational Purposes Only****

MAP: **Unit #:** 62

Legend

Unit Boundary	T Tractor Logging
Yarding Direction – Skyline	F Forwarder/Cut to Length Logging
Yarding Direction - Tractor	S Skyline Logging
(1) Proposed Log Landing Location	Hel Helicopter Logging
Existing Road	J Jammer
Temporary Road (constructed/existing)	TL Track Line Machine
Stream Channel	Dir Directional Falling
Riparian Buffer	W Surface Water
	XXX Dropped Areas



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project OU3 Jackson

Harvest Unit #: 63
NEPA Unit #: 63
Estimated Acres: 21 acres
Prescription: Clearcut w/ Reserves
MBF Removal/Acre: 6-8 mbf/acre
% Species Composition: DF 60% WL 20% C 10% other 10%
Mean DBH by Species: 12" 12" 14"

IMPROVEMENTS:

Survey Monuments – Location –
Fences – Location –
Other –

ROADS:

Haul Road # NS-44
Maintenance: ☐ Reconstruction: ☐
Remarks No specified construction

Construction

Specified NS-44 Length
Temporary Length

RESOURCES:

Streams – Location –
Springs – Location –
Nests – Location –
Other – Location –

LOGGING SYSTEM:

Tractor: ☐ Forwarder/Cut-to-Length: ☐ Skyline: ☑ Helicopter: ☐ Shovel: ☐

Track Line Machine: ☐ Other/Notes:

Logging System Specifics:

Percentage Uphill 100% Percentage Downhill 0%
Average Slope 30% # of Landings 2 + roadside
Max Yarding Distance 700' Directional Falling Yes ☐ No ☑ locate on map
Average Yarding Distance 300' Obstacles Yes ☐ No ☑ locate on map

COMMENTS:

Unit 63 is a cable unit off new spec road NS-44 species composition is mostly DF/WL, but the main draw has a high C component.

About 13 acres of the unit can be mechanically felled since it is very flat. An adverse tractor unit was strongly considered in the western part of the unit but was ruled out because of the impact the skid would have on the cedar heavy draw.

The NE portion of the unit is much steeper with slopes of 80-90%

Grapbacks and tailholds are good

The southern proposed landing will be shared with Unit 62. Other landing locations may become feasible once the new road and its turnouts are constructed

WHY AREAS WERE DROPPED/EXCLUDED:

The northern dropped area was dropped because of slope breaks/too much sidehill

The southern area was dropped because of a massive slope break and the final placement of NS-44. The road changed from the NEPA location and so most of the southern area is inaccessible.

PREPARED BY Trevor Currie

Date 7/27/23

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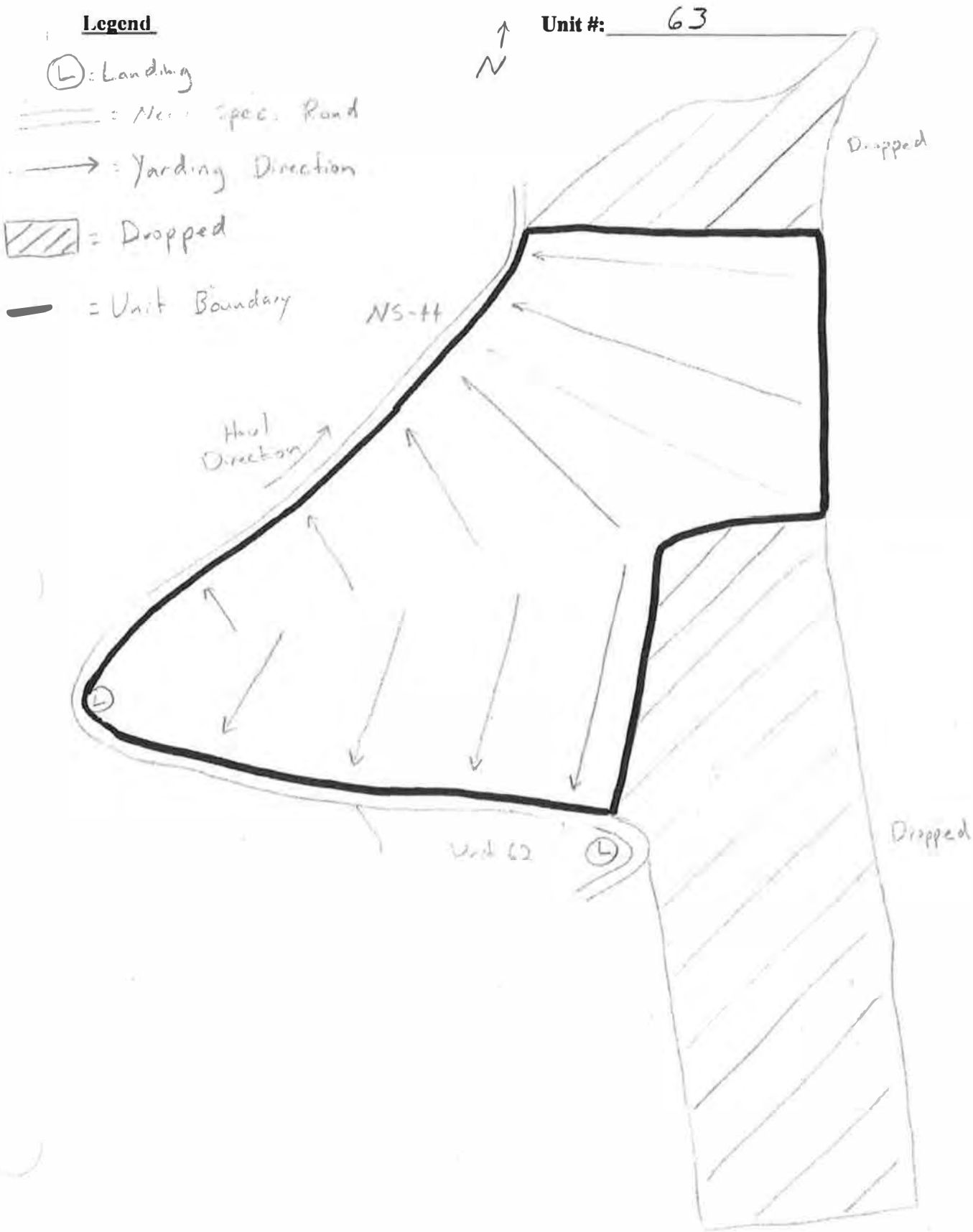

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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project OU3 Jackson

Harvest Unit #: 64
NEPA Unit #: 64
Estimated Acres: 65
Prescription: CCR
MBF Removal/Acre: 4-5
BA for unit by Species:
Mean DBH by Species:

IMPROVEMENTS:

Survey Monuments N/A Location
Fences N/A Location
Other N/A

ROADS:

Haul Road # T-18 (Temp Rd) NS-13 (New Const) -> 9044 -> 4703
Maintenance: X Reconstruction: X
Remarks

Construction

Specified Yes; NS-13, Eastern side of unit Length 1 mile
Temporary Length

RESOURCES:

Streams N/A Location
Springs N/A Location
Nests N/A Location
Other N/A Location

LOGGING SYSTEM:

Tractor: ☐ Forwarder/Cut-to-Length: ☐ Skyline: ☒ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100% Skyline

Logging System Specifics:

Percentage Uphill 100% Percentage Downhill 0
Average Slope 70%+ # of Landings
Max Yarding Distance 1,000 Directional Falling Yes ☐ No ☒ locate on map
Average Yarding Distance 600 Obstacles Yes ☐ No ☒ locate on map

COMMENTS:

Very steep unit, 70-100%+ slopes with a few small benches on east side that are 20% or less.
Benches create skid roads, but can tailhold on other side of canyon in units 63+70. Level elevation across canyon is 1,200 ft max.
Constructing excavated skid trails onto benches for swing yarding also possible. Need machine capable of full suspension yarding.

Bottom of canyon does not have a stream. However, wet site veg is present with ES, WRC, + Aspen present. Stayed out of bottom.

Unit is dominated by DF overstory with few PP+WL scattered throughout. PP+WL primarily found in eastern half (top) of unit. Also higher concentrations of PP in southern 1/3 of unit. Evidence of DF beetle + possible root rot throughout. Relatively little natural regen present. Understory dominated by ninebark up to 5ft. tall.

DF = 10-20" DBH with few larger
PP = 8-24" DBH with few larger
WL = 8-24" " " " "
, with most in northern 1/3. DMT present near NW corner of unit.

Several areas with only 5-10 tpa within unit.

WHY AREAS WERE DROPPED/EXCLUDED:

Lack of volume.
EXCLUSION DROPPED TO NO DUE TO WATER + FEASIBILITY

PREPARED BY R. Tardif

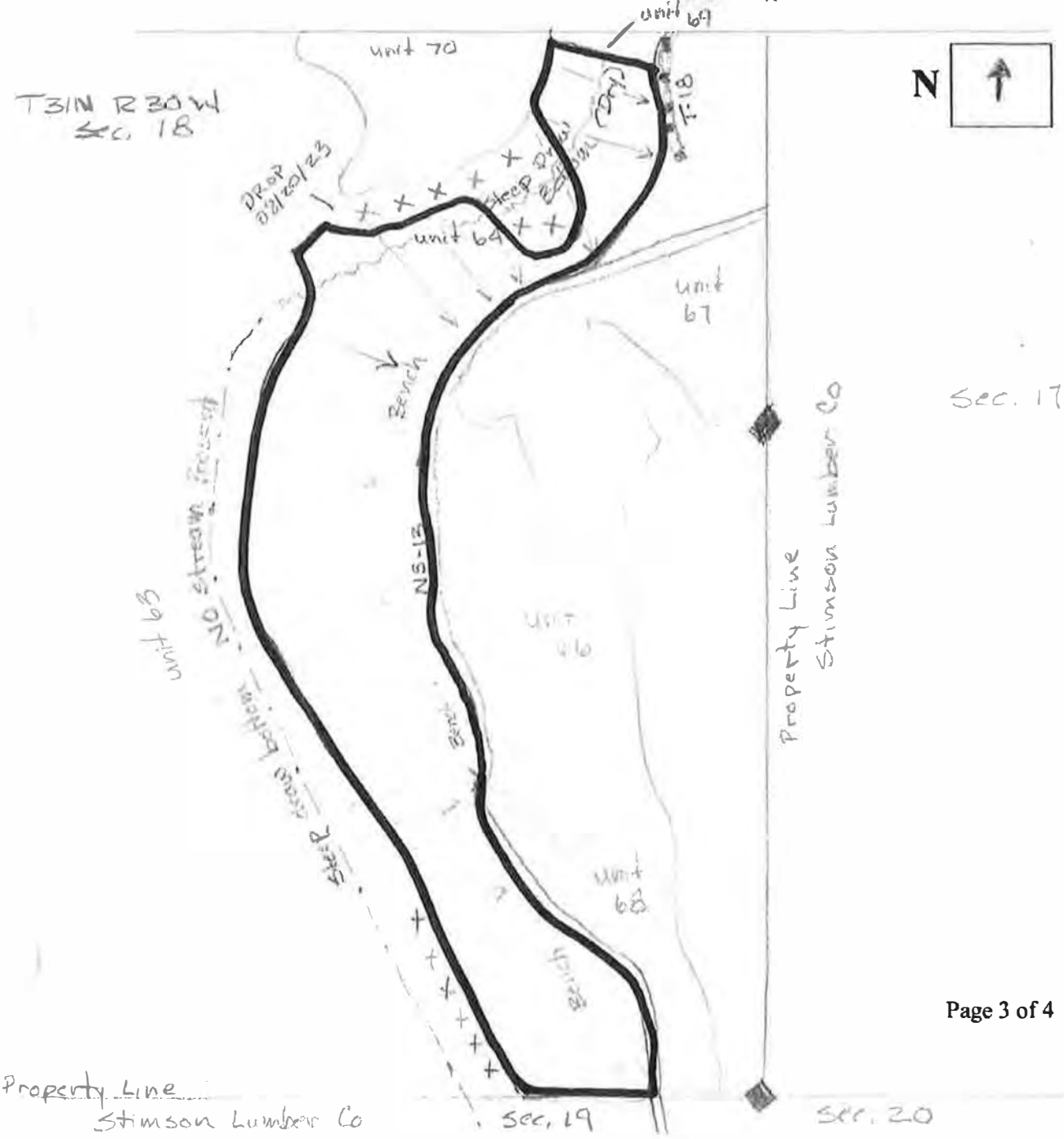
Date 6/22/2023

****For Informational Purposes Only****

MAP: **Unit #:** 64

Legend

Unit Boundary	T Tractor Logging
Yarding Direction – Skyline	F Forwarder/Cut to Length Logging
Yarding Direction - Tractor	S Skyline Logging
Proposed Log Landing Location	Hel Helicopter Logging
Existing Road	J Jammer
Temporary Road (constructed/existing)	TL Track Line Machine
Stream Channel	Dir Directional Falling
Riparian Buffer	W Surface Water
	XXX Dropped Areas



For Informational Purposes Only

LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project OU3 Jackson

Harvest Unit #: 606
NEPA Unit #: 606
Estimated Acres: 26
Prescription: CCR
MBF Removal/Acre: 6
BA for unit by Species:
Mean DBH by Species:

IMPROVEMENTS:

Survey Monuments N/A Location
Fences N/A Location
Other N/A

ROADS:

Haul Road # NS-13 (New Construction) -> 9944 (Recon) -> 4753 (Recon)
Maintenance: ☒ Reconstruction: ☒
Remarks

Construction

Specified Yes NS-13 Length 3/4-1 mile
Temporary N/A Length

RESOURCES:

Streams N/A Location
Springs N/A Location
Nests N/A Location
Other N/A Location

LOGGING SYSTEM:

Tractor: ☒ Forwarder/Cut-to-Length: ☐ Skyline: ☐ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system:

Logging System Specifics:

Percentage Uphill 10% Percentage Downhill 90%
Average Slope 20-30 # of Landings 2
Max Yarding Distance 700 Directional Falling Yes ☐ No ☒ locate on map
Average Yarding Distance 400 Obstacles Yes ☐ No ☒ locate on map

COMMENTS:

Unit full of dead & dying DF, WL. Some decent WL exists with PP scattered throughout.

Pocket of advanced regen along NW boundary with few over story.

Majority of unit will run 5-6 MBF/Ac.

Unit currently has no road access. New system road is planned to be constructed in Timber Sale Contract.

WHY AREAS WERE DROPPED/EXCLUDED:

Thin strip on east edge of "NFFA" unit dropped. Area is inoperable with ground based harvest systems and lacks volume for any skyline system.

PREPARED BY Ry Tardif

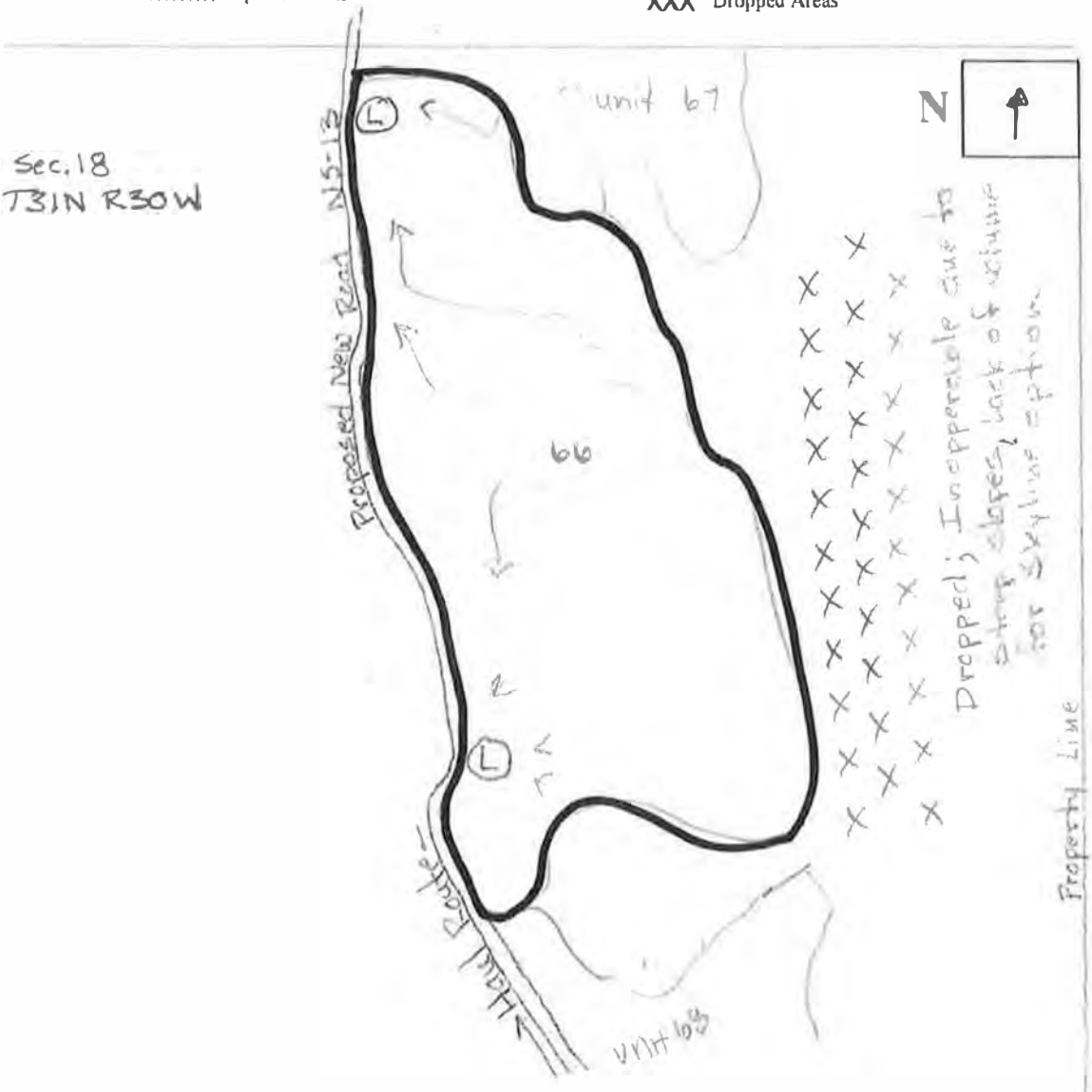
Date 6/8/23

****For Informational Purposes Only****

MAP: **Unit #:** 66

Legend

Unit Boundary	T Tractor Logging
Yarding Direction – Skyline	F Forwarder/Cut to Length Logging
Yarding Direction - Tractor	S Skyline Logging
Proposed Log Landing Location	Hel Helicopter Logging
Existing Road	J Jammer
Temporary Road (constructed/existing)	TL Track Line Machine
Stream Channel	Dir Directional Falling
Riparian Buffer	W Surface Water
	XXX Dropped Areas



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project 003 JACKSON

Harvest Unit #: 67
NEPA Unit #: 67
Estimated Acres: 20
Prescription:
MBF Removal/Acre:
BA for unit by Species:
Mean DBH by Species:

IMPROVEMENTS:
Survey Monuments 1 Location APPROX 48° 26.988', -115° 28.350'
Fences Location
Other

ROADS:
Haul Road #
Maintenance: ☐ Reconstruction: ☐
Remarks

Construction
Specified Length
Temporary Length

RESOURCES:
Streams Location
Springs Location
Nests Location
Other Location

LOGGING SYSTEM:

Tractor: ☒ Forwarder/Cut-to-Length: ☐ Skyline: ☐ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100

Logging System Specifics:

Percentage Uphill	10	Percentage Downhill	90
Average Slope	40	# of Landings	1
Max Yarding Distance	1400	Directional Falling	Yes ☐ No ☒ locate on map
Average Yarding Distance	1000	Obstacles	Yes ☒ No ☐ locate on map

COMMENTS:
VERY ROLLING TERRAIN. LOTS OF SNAGS, POOR QUALITY LEAVE TREES OTHER THAN FEW PP. INCLUDED PORTION OF U.69 TO N

WHY AREAS WERE DROPPED/EXCLUDED:
EXCLUSIONS ON S BNDRY FOR STEEP SLOPES + PONDING WATER + NO VOL B/C MORTALITY

PREPARED BY B. HOFFMAN

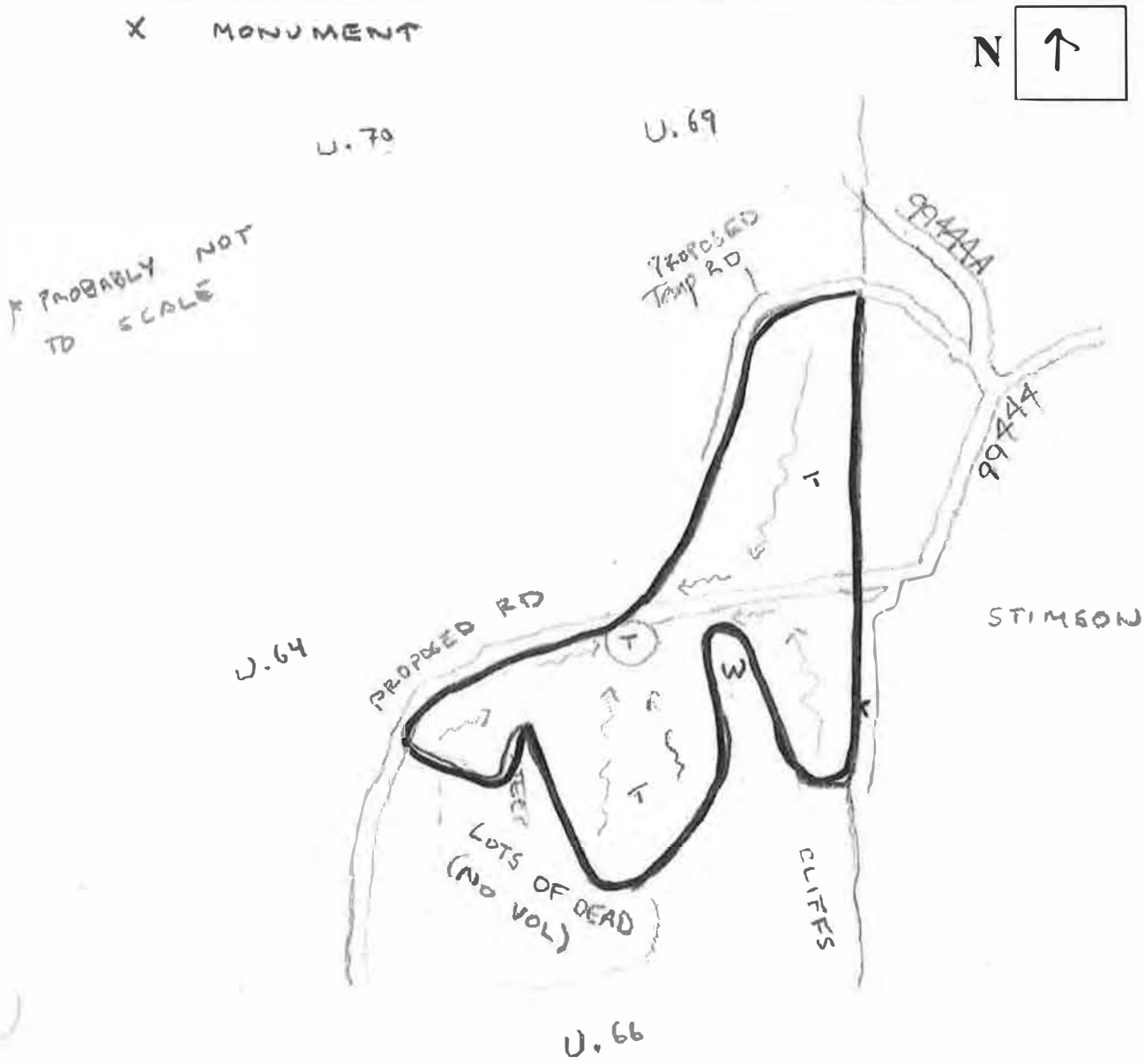
Date 5/10/23

****For Informational Purposes Only****

MAP: **Unit #:** 67

Legend

Unit Boundary	T Tractor Logging
Yarding Direction – Skyline	F Forwarder/Cut to Length Logging
Yarding Direction - Tractor	S Skyline Logging
(1) Proposed Log Landing Location	Hel Helicopter Logging
Existing Road	J Jammer
Temporary Road (constructed/existing)	TL Track Line Machine
Stream Channel	Dir Directional Falling
Riparian Buffer	W Surface Water
	XXX Dropped Areas



For Informational Purposes Only

LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project 043 Jackson

Harvest Unit #: 68
NEPA Unit #: 68
Estimated Acres: 14
Prescription: Shelterwood
MBF Removal/Acre: 4
BA for unit by Species:
Mean DBH by Species:

IMPROVEMENTS:

Survey Monuments N/A Location
Fences N/A Location
Other N/A

ROADS:

Haul Road # NS-13 (New Construction) → 99444 (Recon) → 4753 (Recon)
Maintenance: X Reconstruction: X
Remarks

Construction

Specified NS-13 Length 3/4 - 1 mile
Temporary N/A Length

RESOURCES:

Streams N/A Location
Springs N/A Location
Nests N/A Location
Other N/A Location

LOGGING SYSTEM:

Tractor: X Forwarder/Cut-to-Length: ☐ Skyline: ☐ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system:

Logging System Specifics:

Percentage Uphill 25 Percentage Downhill 75
Average Slope # of Landings
Max Yarding Distance Directional Falling Yes | No | locate on map
Average Yarding Distance Obstacles Yes | No | locate on map

COMMENTS:

Unit has good WL + DF to work with along with decent PP scattered throughout

4.5 acres of adverse skidding needed below road in SW portion of unit

Unit shares common boundary with unit 6b to the north. Borders private land (Stimson Lumber Co.) to the south. Property line is in good condition.

WHY AREAS WERE DROPPED/EXCLUDED:

Easter side of "NEPA" unit dropped. Area is too steep for ground based harvesting and lacks enough volume to be viable for skyline harvesting

PREPARED BY R. Tardif

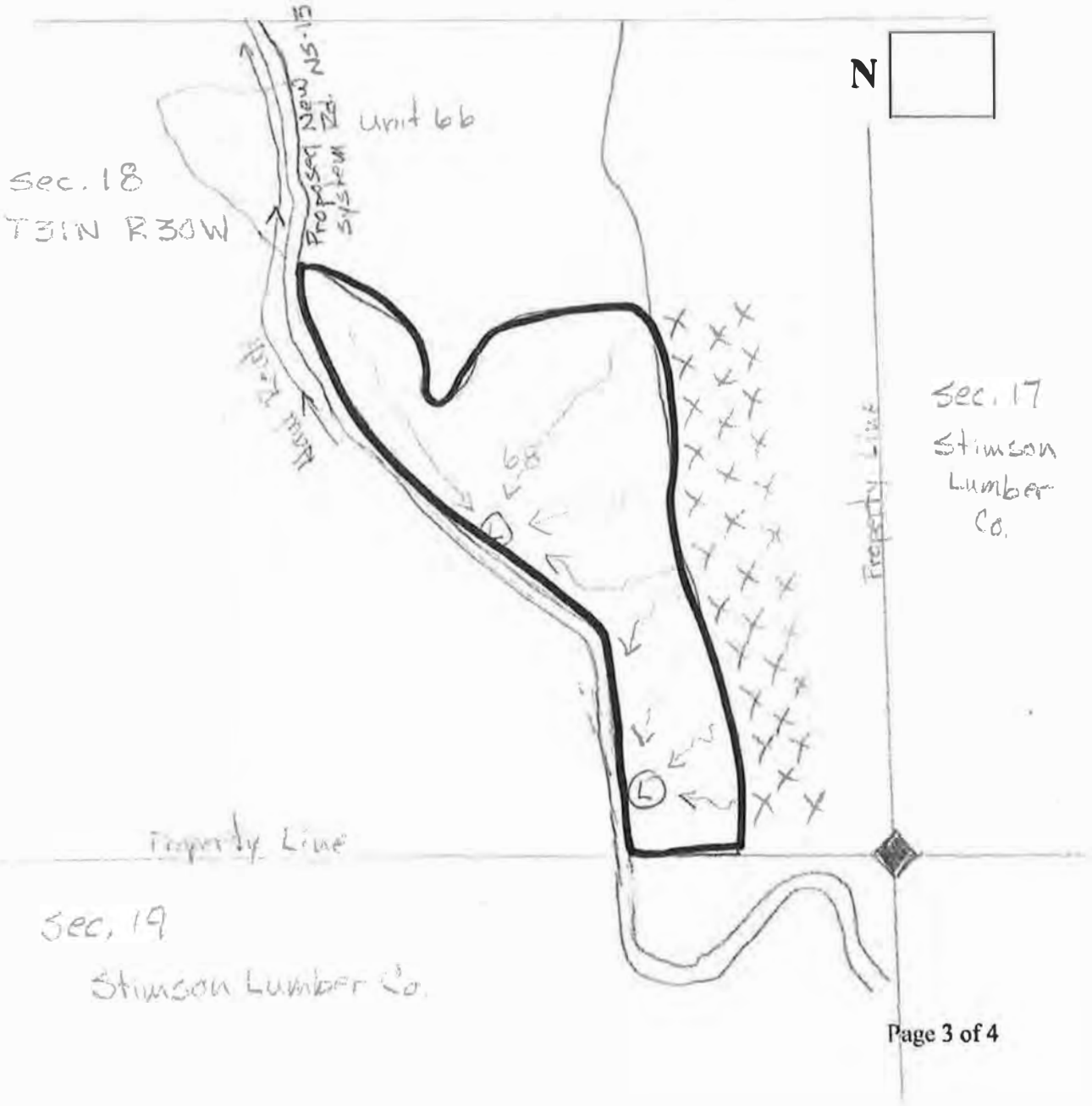
Date

****For Informational Purposes Only****

MAP: **Unit #:** 66

Legend

Unit Boundary	T Tractor Logging
Yarding Direction – Skyline	F Forwarder/Cut to Length Logging
Yarding Direction - Tractor	S Skyline Logging
(1) Proposed Log Landing Location	Hel Helicopter Logging
Existing Road	J Jammer
Temporary Road (constructed/existing)	TL Track Line Machine
Stream Channel	Dir Directional Falling
Riparian Buffer	W Surface Water
	XXX Dropped Areas



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project OU3 Jackson

Harvest Unit #: 69
NEPA Unit #: 69
Estimated Acres: 27
Prescription: Seed Tree
MBF Removal/Acre: 5
BA for unit by Species:
Mean DBH by Species:

IMPROVEMENTS:
Survey Monuments: Yes — Location: T31N R30W NE corner Sec. 18 near NE corner of unit
Fences: N/A — Location:
Other: N/A

ROADS:
Haul Road #: 99444, 99444A -> 4753
Maintenance: X — Reconstruction: X
Remarks:

Construction
Specified: N/A — Length:
Temporary: Yes, 2 Temps (T-18 + T-19) — Length: T-18 (1320 ft.) T-19 (700 ft)

RESOURCES:
Streams: N/A — Location:
Springs: N/A — Location:
Nests: N/A — Location:
Other: N/A — Location:

LOGGING SYSTEM:

Tractor: ☐ Forwarder/Cut-to-Length: ☒ Skyline: ☐ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☒ % for each system: Skyline=60% ORSY=40%

Logging System Specifics:
Percentage Uphill: 100 — Percentage Downhill: 0
Average Slope: 65 — # of Landings: 9
Max Yarding Distance: 900 — Directional Falling: Yes ☐ No ☒ locate on map
Average Yarding Distance: 400 — Obstacles: Yes ☐ No ☐ locate on map

COMMENTS:

DF Dominate throughout. PP, WL, + other present throughout as well.
Unit on south side of 4753 can be yarded with standard Skyline machine, but needs to be capable of full suspension yarding. South of 4753 rd has two very steep draws to yard across with slopes up to 90%.
Will need to construct 2 temp roads to reach entire south side.

North of the 4753 rd is best as an ORSY and swing to landing on the 4753.

WHY AREAS WERE DROPPED/EXCLUDED:

Even with ORSY, still difficult to reach. Lack of infrastructure supports. Mainly a lack of volume to bother with.

PREPARED BY R. Tardif

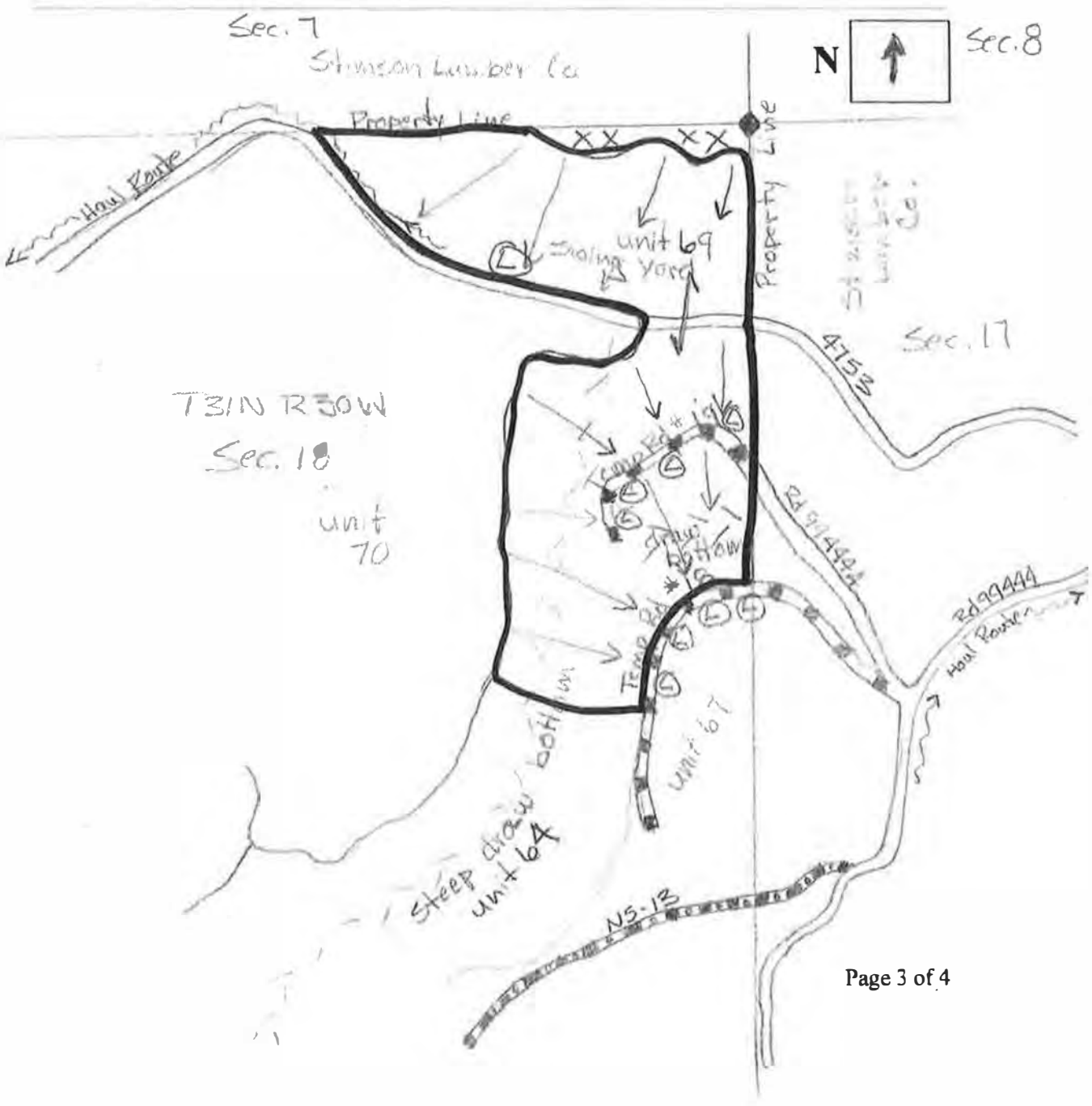
Date 6/26/23

****For Informational Purposes Only****

MAP: **Unit #:** 69

Legend

Unit Boundary	T Tractor Logging
Yarding Direction – Skyline	F Forwarder/Cut to Length Logging
Yarding Direction - Tractor	S Skyline Logging
Proposed Log Landing Location	Hel Helicopter Logging
Existing Road	J Jammer
Temporary Road (constructed/existing)	TL Track Line Machine
Stream Channel	Dir Directional Falling
Riparian Buffer	W Surface Water
	XXX Dropped Areas



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project OU3/Jackson -> Area 56

Harvest Unit #: 70
NEPA Unit #: 70
Estimated Acres: 37
Prescription: Improvement
MBF Removal/Acre: 5
BA for unit by Species:
Mean DBH by Species: 13"

IMPROVEMENTS:

Survey Monuments N/A Location
Fences N/A Location
Other

ROADS:

Haul Road # 4753
Maintenance: ☒ Reconstruction: ■
Remarks Temp into unit

Construction

Specified Length
Temporary Length 400 ft.

RESOURCES:

Streams N/A Location
Springs N/A Location
Nests N/A Location
Other Small pond, no inlet or outlet but holds surface water in spring Location Center of unit

LOGGING SYSTEM:

Tractor: ☒ Forwarder/Cut-to-Length: ☐ Skyline: ☐ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100%

Logging System Specifics:

Percentage Uphill 15% Percentage Downhill 8-%
Average Slope 20% # of Landings I need have several options for LX
Max Yarding Distance 900' Directional Falling Yes ☒ No ☐ locate on map
Average Yarding Distance 500' Obstacles Yes ☒ No ☐ locate on map

COMMENTS:

Good unit. Outside boundary follows topo break almost entirely. Unit flanked by old regenerated clear cut that needs pct.
A few dry draws are within unit, no signs of surface water flow. Small pond in middle of unit, buffered to topo break. No inlet or outlet for pond, but holds surface water after snowmelt.

Stand consists of PP, DF with w/ small amounts of ES, Hem, WRC, GF + LPP. East side is wetter and is where WRC, Hem, ES and most GF are found. DF is primary ect tree species

WHY AREAS WERE DROPPED/EXCLUDED:

PREPARED BY R. Tordiff

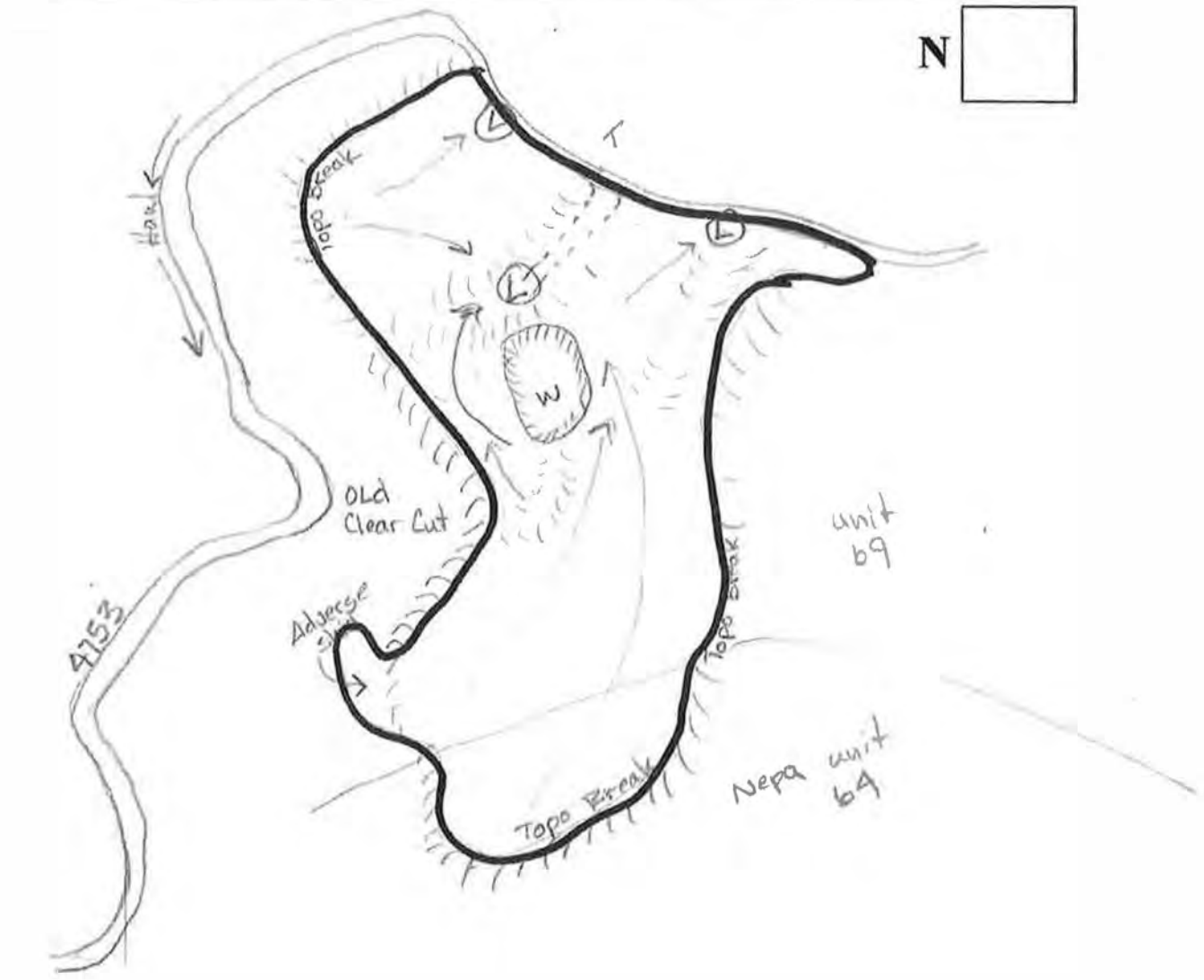
Date 5/11/23

For Informational Purposes Only

MAP: **Unit #:** 70

Legend

Unit Boundary	T Tractor Logging
Yarding Direction – Skyline	F Forwarder/Cut to Length Logging
Yarding Direction - Tractor	S Skyline Logging
(1) Proposed Log Landing Location	Hel Helicopter Logging
Existing Road	J Jammer
Temporary Road (constructed/existing)	TL Track Line Machine
Stream Channel	Dir Directional Falling
Riparian Buffer	W Surface Water
	XXX Dropped Areas



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project 023 JACKSON

Harvest Unit #: 71
NEPA Unit #: 71
Estimated Acres: 30
Prescription: IMPROVEMENT
MBF Removal/Acre:
BA for unit by Species:
Mean DBH by Species:

IMPROVEMENTS:
Survey Monuments Location
Fences Location
Other

ROADS:
Haul Road # SHELDON MTN RD
Maintenance: ☐ Reconstruction:
Remarks

Construction
Specified NS - 44 Length
Temporary Length

RESOURCES:
Streams — Location
Springs — Location
Nests — Location
Other — Location

LOGGING SYSTEM:

Tractor: ☒ Forwarder/Cut-to-Length: ☐ Skyline: ☐ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100

Logging System Specifics:
Percentage Uphill 5 Percentage Downhill 95
Average Slope 40 # of Landings 2-3
Max Yarding Distance 1000' Directional Falling Yes ☐ No ☒ locate on map
Average Yarding Distance Obstacles Yes ☐ No ☒ locate on map

COMMENTS:

UNIT IS LOCATED OFF OF THE 14421 RD OFF OF SHELDON MTN RD. IT IS A LARGE TRACTOR UNIT THAT MOSTLY MAINTAINED ITS NESA SHAPE.
THE UNIT CONSISTS OF MOSTLY DF WITH SCATTERED WL AND PP. THERE IS A SMALL BOWL IN THE S END OF THE UNIT THAT HAS A LARGE WLC COMPONENT.
THERE ARE SOME STEEP PITCHES ALONG THE W AND S EDGES OF THE UNIT. THE MAJORITY OF THE VOLUME WILL BE LANDED ALONG THE NEW NS-44 ROAD
AREAS ON THE N AND S OF THE UNIT WERE DROPPED DUE TO EXCESSIVE STEEP SLOPES AND BROKEN TERRAIN

WHY AREAS WERE DROPPED/EXCLUDED:

STEEP

PREPARED BY B. HOFFMAN

Date 5/17/23

****For Informational Purposes Only****

MAP: **Unit #:** 71

Legend

Unit Boundary	T Tractor Logging
Yarding Direction – Skyline	F Forwarder/Cut to Length Logging
Yarding Direction - Tractor	S Skyline Logging
(1) Proposed Log Landing Location	Hel Helicopter Logging
Existing Road	J Jammer
Temporary Road (constructed/existing)	TL Track Line Machine
Stream Channel	Dir Directional Falling
Riparian Buffer	W Surface Water
	XXX Dropped Areas

N

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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project 003 JACKSON

Harvest Unit #: 72
NEPA Unit #: 72
Estimated Acres: 12
Prescription:
MBF Removal/Acre:
BA for unit by Species:
Mean DBH by Species:

IMPROVEMENTS:

Survey Monuments Location
Fences Location
Other

ROADS:

Haul Road # 4753 H
Maintenance: ☐ Reconstruction: ☐
Remarks

Construction

Specified Length
Temporary Length

RESOURCES:

Streams Location
Springs Location
Nests Location
Other Location

LOGGING SYSTEM:

Tractor: ☒ Forwarder/Cut-to-Length: ☐ Skyline: ☐ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100

Logging System Specifics:

Percentage Uphill	10	Percentage Downhill	90
Average Slope	35%	# of Landings	1
Max Yarding Distance	1100'	Directional Falling	Yes ☐ No ☒ locate on map
Average Yarding Distance	900'	Obstacles	Yes ☒ No ☐ locate on map

COMMENTS:

CULVERTS ON RDS ABOVE + BELOW (MARKED ON MAP). PRE-EXISTING LANDING ON LOWER RD (MAP) SURVEY STIMSON BNDRY BEFORE PAINT

MAY BE SHORT PITCHES OF ADVERSE SKIDDING ALONG S EDGE OF UNIT. SOME STEEP PITCHES THROUGHOUT THE UNIT

WHY AREAS WERE DROPPED/EXCLUDED:

ROCKY BROKEN TERRAIN + STEEP SLOPES GREATER THAN 50%

PREPARED BY B. HOFFMAN

Date 5/11/23

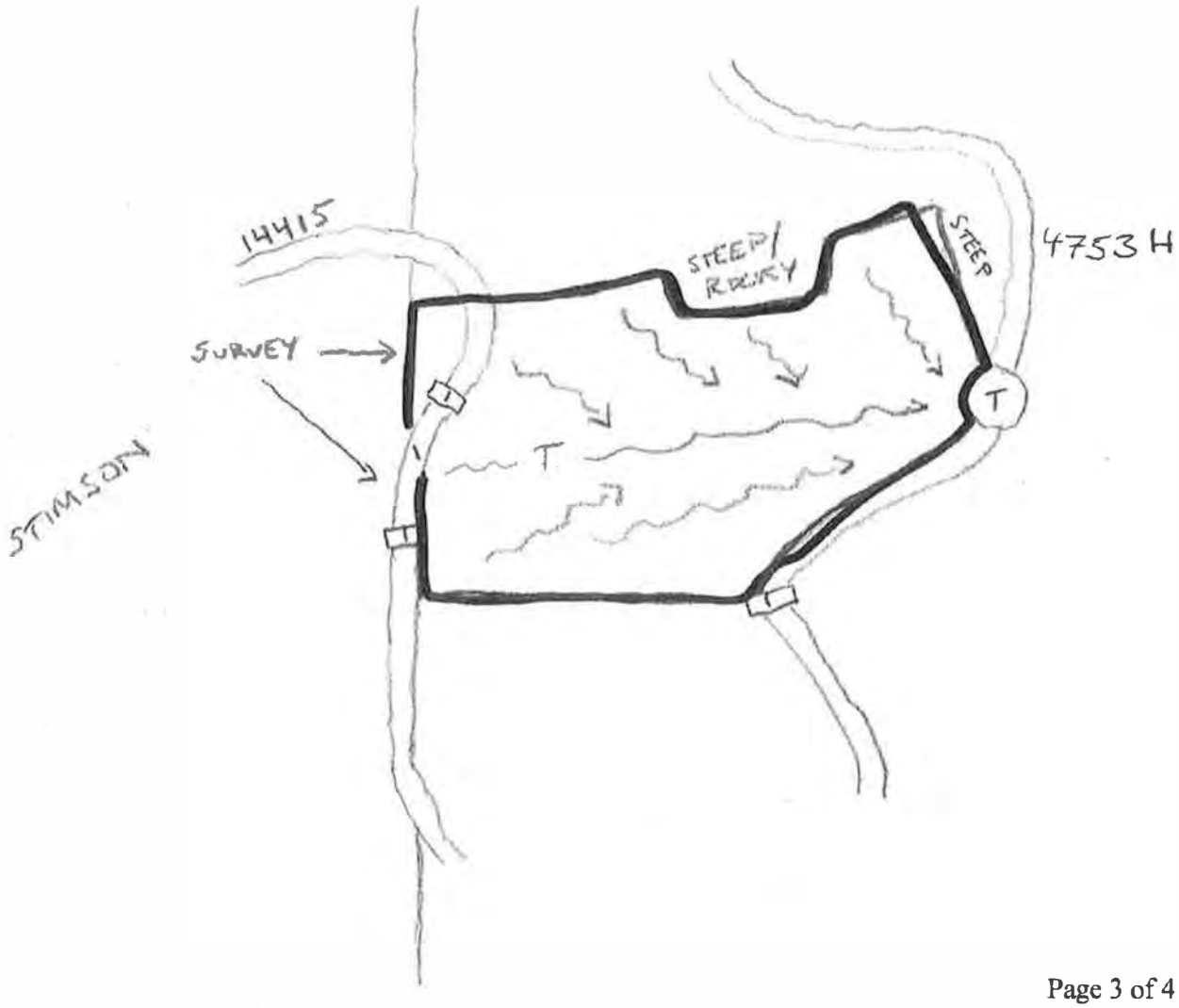
MAP: **Unit #:** 72

Legend

Unit Boundary	T Tractor Logging
Yarding Direction – Skyline	F Forwarder/Cut to Length Logging
Yarding Direction - Tractor	S Skyline Logging
(T) Proposed Log Landing Location	Hel Helicopter Logging
Existing Road	J Jammer
Temporary Road (constructed/existing)	TL Track Line Machine
Stream Channel	Dir Directional Falling
Riparian Buffer	W Surface Water
	XXX Dropped Areas

CULVERT

N



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project Area 56

Harvest Unit #: 73
NEPA Unit #: 73
Estimated Acres: 82
Prescription: Commercial thin
MBF Removal/Acre: 2.3
BA for unit by Species:
Mean DBH by Species:

IMPROVEMENTS:

Survey Monuments Yes; 2 Location Northern boundary NW corner and N/A corner
Fences N/A Location Sec. 8 T2N R3W
Other

ROADS:

Haul Road # 4736, 4751, 755
Maintenance: ☐ Reconstruction: ☒
Remarks

Construction

Specified N/A Length
Temporary N/A Length

RESOURCES:

Streams N/A; RHCA's are . unit boundaries Location East and south sides
Springs N/A Location
Nests N/A Location
Other Location

LOGGING SYSTEM:

Tractor: ☒ Forwarder/Cut-to-Length: ☐ Skyline: ☐ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100

Logging System Specifics:

Percentage Uphill 10% Percentage Downhill 90%
Average Slope 35% # of Landings 4: 3 on 4736, 3 on 4751
Max Yarding Distance 850' Directional Falling Yes ☐ No ☒ locate on map
Average Yarding Distance 600' Obstacles Yes ☐ No ☒ locate on map

COMMENTS:

Good CTL unit, but could be done conventionally. Tethered harvesting operation is good possibility depending on fuels requirement.

Unit has good mix of PP, WL, LPP & DF with some GF, and ES mixed in especially on the far east and south boundaries.

Intermittent streams on eastern and southern flanks of unit. Boundaries are 100+ feet off high water marks

WHY AREAS WERE DROPPED/EXCLUDED:

Excluded areas were dropped for various reasons. Area on north boundary is steep + rocky. Area along southern boundary is either inoperable or lacks volume due to proximity to streams or hardwood species are dominant.

PREPARED BY B. Tardif

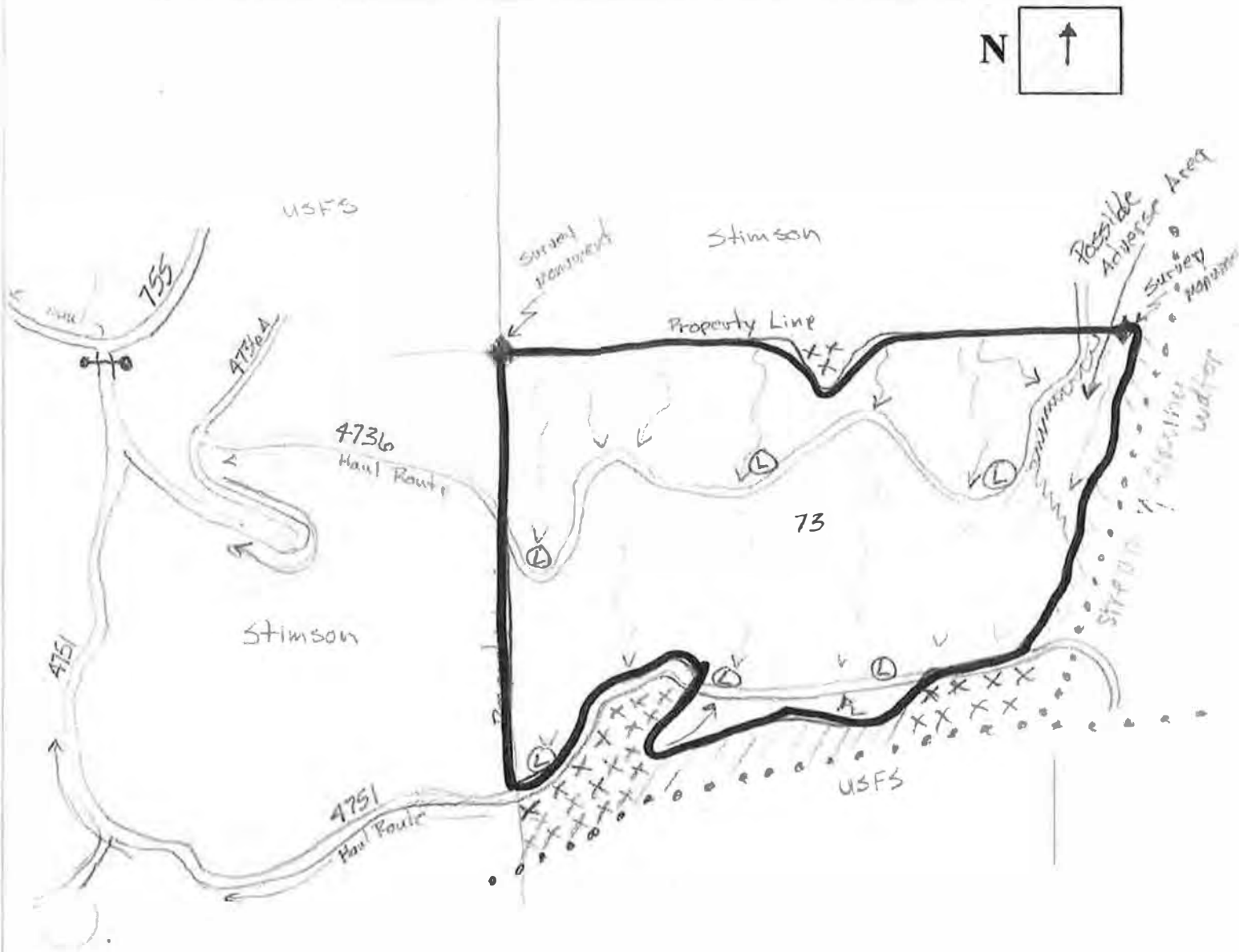
Date 5/18/23

****For Informational Purposes Only****

MAP: **Unit #:** 73

Legend

Unit Boundary	T Tractor Logging
Yarding Direction – Skyline	F Forwarder/Cut to Length Logging
Yarding Direction - Tractor	S Skyline Logging
(1) Proposed Log Landing Location	Hel Helicopter Logging
Existing Road	J Jammer
Temporary Road (constructed/existing)	TL Track Line Machine
Stream Channel	Dir Directional Falling
Riparian Buffer	W Surface Water
	XXX Dropped Areas



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project Area 5b

Harvest Unit #: 75
NEPA Unit #: 75
Estimated Acres: 15
Prescription: CCR
MBF Removal/Acre: 6
BA for unit by Species:
Mean DBH by Species:

IMPROVEMENTS:

Survey Monuments N/A Location
Fences N/A Location
Other N/A

ROADS:

Haul Road # 4753N
Maintenance: ☐ Reconstruction: ☒
Remarks

Construction

Specified N/A Length
Temporary T-54 Length 500 ft

RESOURCES:

Streams N/A Location
Springs N/A Location
Nests N/A Location
Other N/A Location

LOGGING SYSTEM:

Tractor: ☒ Forwarder/Cut-to-Length: ☐ Skyline: ☐ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100

Logging System Specifics:

Percentage Uphill		Percentage Downhill	100
Average Slope	35	# of Landings	1 on T-54
Max Yarding Distance	1,200	Directional Falling	Yes ☐ No ☒ locate on map
Average Yarding Distance	700	Obstacles	Yes ☐ No ☒ locate on map

COMMENTS:

Unit has gentle slopes (<35%) in bottom half near landing location. Ridgeline on East boundary is 35-40%. Ridgetop at common boundary with unit B7 is 5-15% and 200+ft wide. Steeper area below Ridgetop is 40-45%, but only 300-350 ft.

West boundary is against old clear cut, currently designated as PCT unit 25.

Short Temp road off 4753N maybe needed. Landing would be on temp road.

DF primary cut species. PP, WL, GF, + LPP also present

WHY AREAS WERE DROPPED/EXCLUDED:

PREPARED BY R Tardif

Date 5/9/23

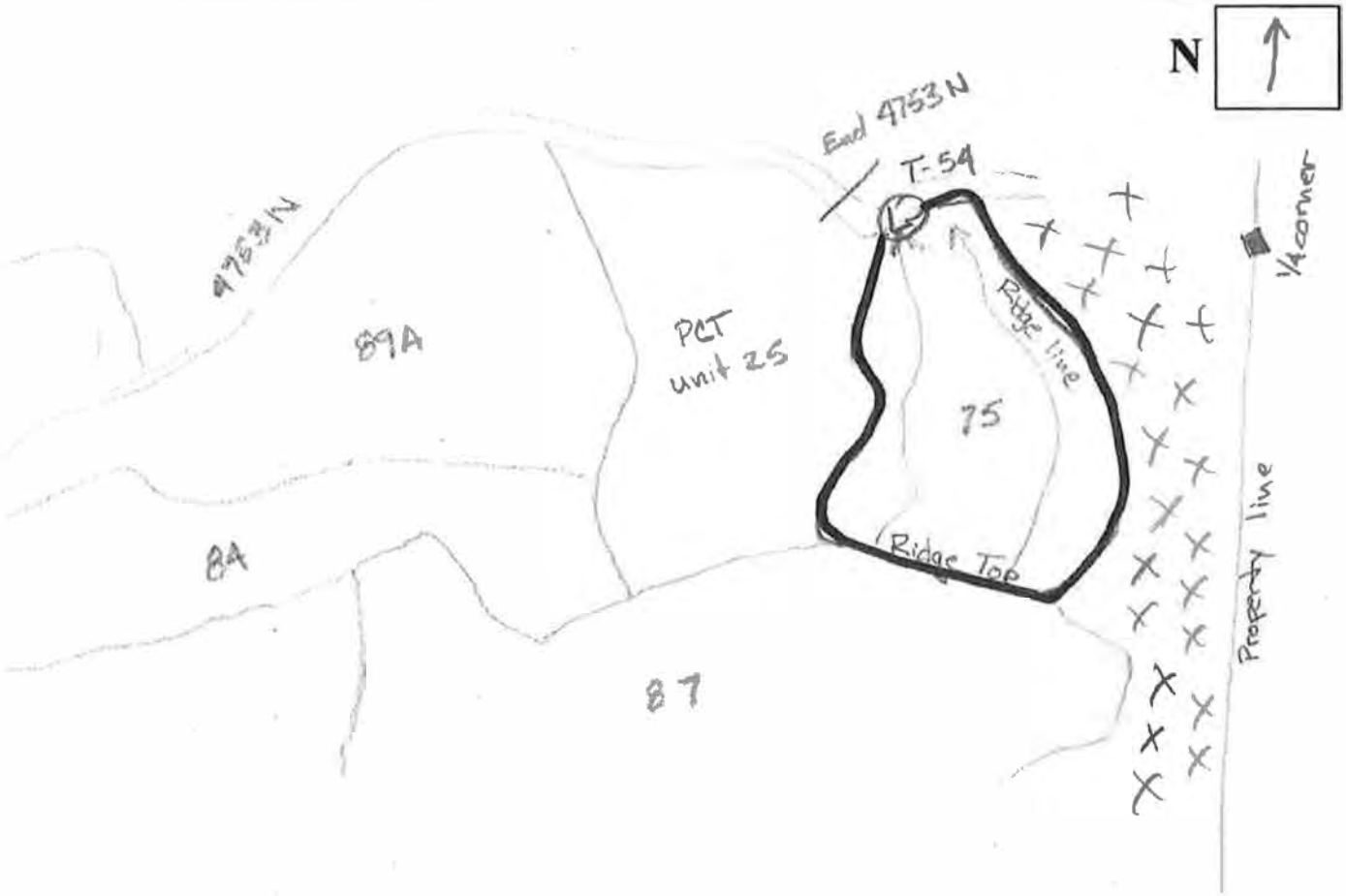
For Informational Purposes Only

MAP: **Unit #:** 75

Legend

- Unit Boundary
- Yarding Direction – Skyline
- Yarding Direction - Tractor
- (1) Proposed Log Landing Location
- Existing Road
- Temporary Road (constructed/existing)
- Stream Channel
- Riparian Buffer

T	Tractor Logging
F	Forwarder/Cut to Length Logging
S	Skyline Logging
Hel	Helicopter Logging
J	Jammer
TL	Track Line Machine
Dir	Directional Falling
W	Surface Water
XXX	Dropped Areas



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project Area 5b

Harvest Unit #: 76
NEPA Unit #: 76
Estimated Acres: 12
Prescription: CCB
MBF Removal/Acre: 5-6
BA for unit by Species:
Mean DBH by Species:

IMPROVEMENTS:

Survey Monuments N/A Location
Fences N/A Location
Other

ROADS:

Haul Road # 4753
Maintenance: ☐ Reconstruction: ☒
Remarks To be re-bladed after harvest

Construction

Specified N/A Length
Temporary N/A Length

RESOURCES:

Streams N/A Location
Springs N/A Location
Nests N/A Location
Other Location

LOGGING SYSTEM:

Tractor: ☒ Forwarder/Cut-to-Length: ☐ Skyline: ☐ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100

Logging System Specifics:

Percentage Uphill 20 Percentage Downhill 80
Average Slope 35% # of Landings 1@ End of 4753
Max Yarding Distance 1,000 Directional Falling Yes ☐ No ☒ locate on map
Average Yarding Distance 400 Obstacles Yes ☐ No ☒ locate on map

COMMENTS:

Eastern most portion of Nepa unit was dropped, inoperable due to being too steep.

Landing at end of 4753 road. As an option, could have landing on 4753N in unit B6

DF primary species with PR, WL + LPP scattered throughout

WHY AREAS WERE DROPPED/EXCLUDED:

Inoperable due to slopes, 45% + sustained.

PREPARED BY R. Tardif

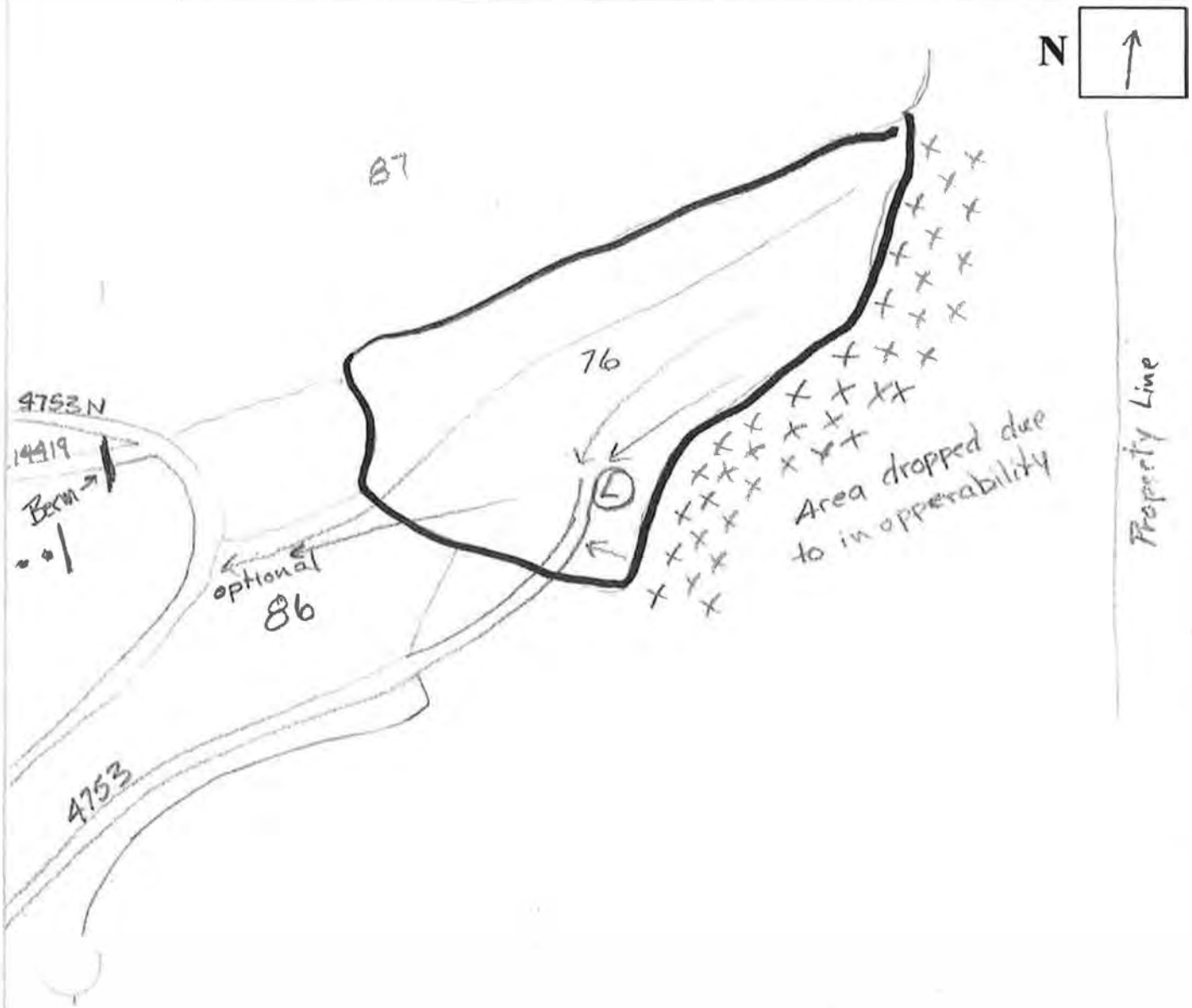
Date 5/3/22

For Informational Purposes Only

MAP: **Unit #:** 76

Legend

Unit Boundary	T Tractor Logging
Yarding Direction – Skyline	F Forwarder/Cut to Length Logging
Yarding Direction - Tractor	S Skyline Logging
(L) Proposed Log Landing Location	Hel Helicopter Logging
Existing Road	J Jammer
Temporary Road (constructed/existing)	TL Track Line Machine
Stream Channel	Dir Directional Falling
Riparian Buffer	W Surface Water
	XXX Dropped Areas



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project OU3 Jackson

Harvest Unit #: 84
NEPA Unit #: 84
Estimated Acres: 20
Prescription: CCR
MBF Removal/Acre: 6
BA for unit by Species:
Mean DBH by Species:

IMPROVEMENTS:

Survey Monuments N/A Location
Fences N/A Location
Other N/A

ROADS:

Haul Road # 4753 N → 4753
Maintenance: X Reconstruction: X
Remarks

Construction

Specified N/A Length
Temporary N/A Length

RESOURCES:

Streams N/A Location
Springs N/A Location
Nests N/A Location
Other N/A Location

LOGGING SYSTEM:

Tractor: X Forwarder/Cut-to-Length: ☐ Skyline: ☐ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system:

Logging System Specifics:

Percentage Uphill
Percentage Downhill 100
Average Slope 35
# of Landings 2
Max Yarding Distance 1,200
Directional Falling Yes ☐ No X locate on map
Average Yarding Distance 600
Obstacles Yes ☐ No X locate on map

COMMENTS:

DF dominant with some WL scattered throughout. WL has fair amount of mistletoe. Patches of thick regen within unit

May skid upper portion of unit through unit 87A. Long skids from SE corner, but shorter if going through 87A

Commercial thin unit 87 and good PCT unit to the south

WHY AREAS WERE DROPPED/EXCLUDED:

1-2 Acres dropped on western edge due to inoperability (steep ground unable to advance). Not enough area or volume to be viable skyline unit.

PREPARED BY R. Tardif

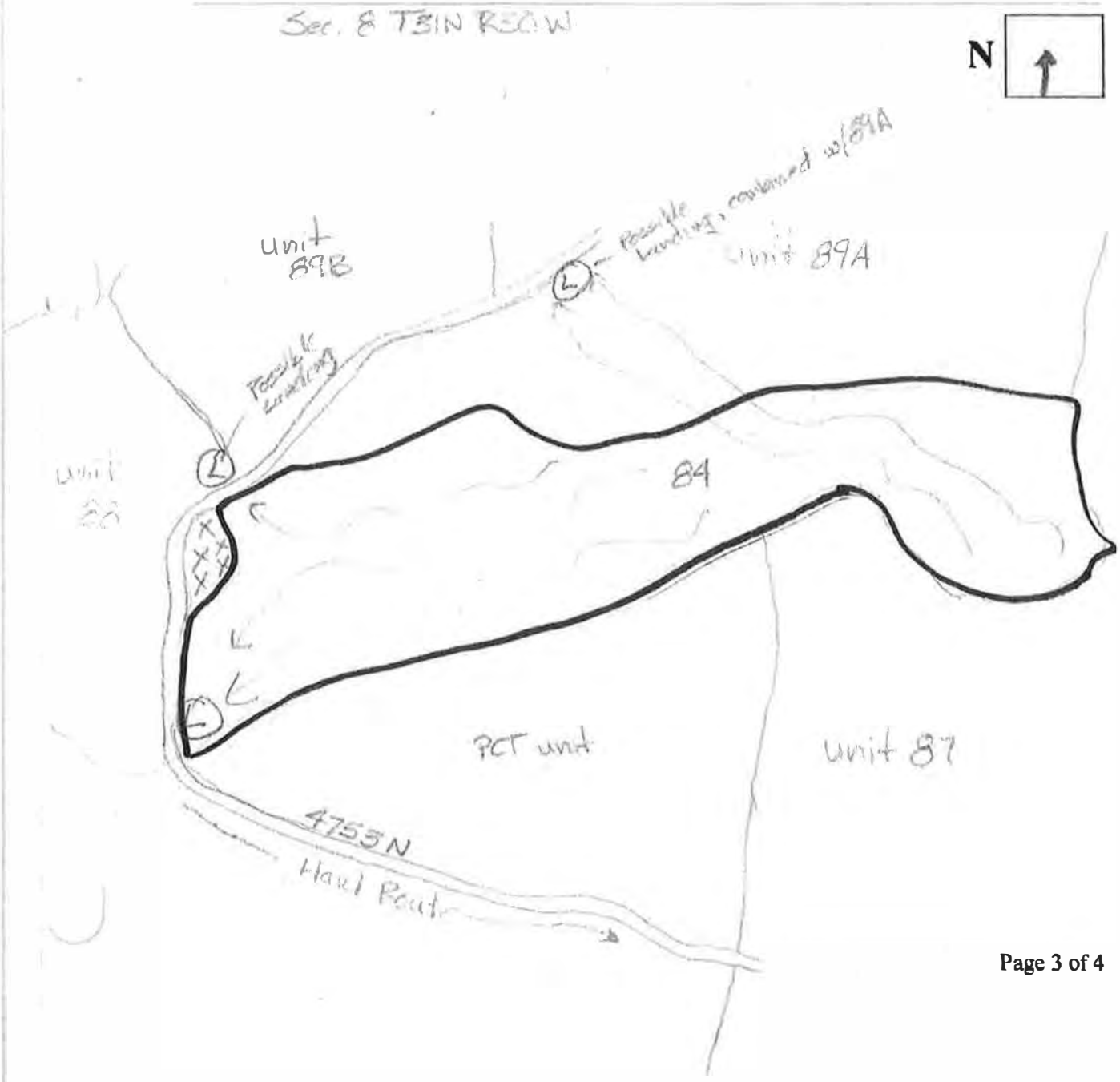
Date 5/9/23

****For Informational Purposes Only****

MAP: **Unit #:** 84

Legend

Unit Boundary	T Tractor Logging
Yarding Direction – Skyline	F Forwarder/Cut to Length Logging
Yarding Direction - Tractor	S Skyline Logging
(1) Proposed Log Landing Location	Hel Helicopter Logging
Existing Road	J Jammer
Temporary Road (constructed/existing)	TL Track Line Machine
Stream Channel	Dir Directional Falling
Riparian Buffer	W Surface Water
	XXX Dropped Areas



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project Area 56

Harvest Unit #: 85
NEPA Unit #: 85
Estimated Acres: 23
Prescription: CCR
MBF Removal/Acre: 6
BA for unit by Species:
Mean DBH by Species:

IMPROVEMENTS:

Survey Monuments Yes Location N 1/4 corner sec. 17 T8N R30W
Fences N/A Location 1/4 corner is just above 4753 road
Other N/A near eastern most boundary

ROADS:

Haul Road # 4753

Maintenance: ☐ Reconstruction: ☒

Remarks

Construction

Specified N/A Length
Temporary N/A Length

RESOURCES:

Streams Not w/in unit; RHCA in unit boundary Location North boundary
Springs N/A Location
Nests N/A Location
Other Location

LOGGING SYSTEM:

Tractor: ☐ Forwarder/Cut-to-Length: ☐ Skyline: ☒ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100

Logging System Specifics:

Percentage Uphill 100 Percentage Downhill
Average Slope 45 # of Landings 5 on 4753 road
Max Yarding Distance 450 Directional Falling Yes ☐ No ☒ locate on map
Average Yarding Distance 400 Obstacles Yes ☐ No ☒ locate on map

COMMENTS:

DF is primary species for removal. Unit also has WL, GF, & LPP with scant amounts of ES, WRC, & PP.

RHCA buffer is northern unit boundary

WHY AREAS WERE DROPPED/EXCLUDED:

Area w/in NCPA unit above 4753 road was dropped due to lack of volume. Vast majority of trees are submerch.

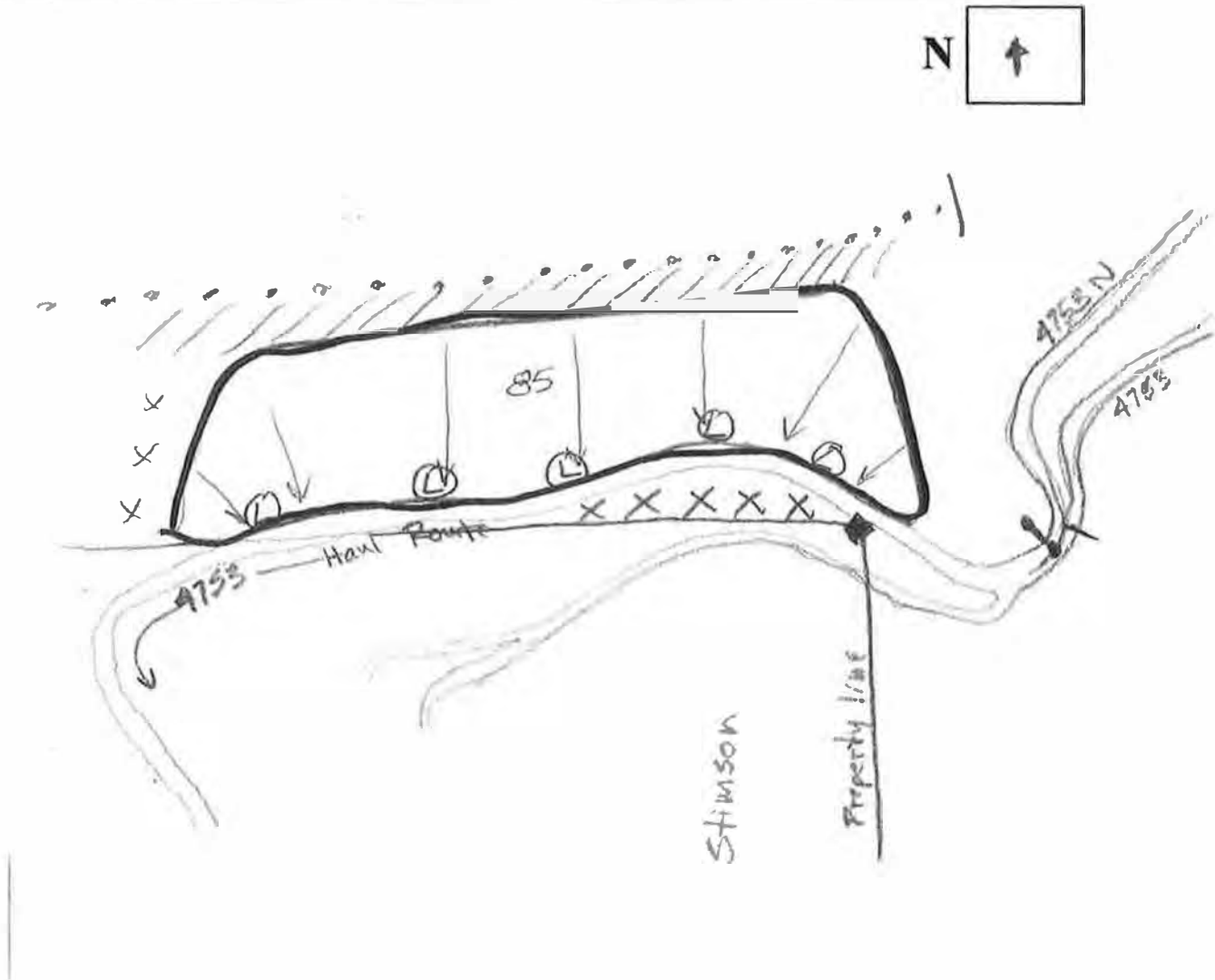
PREPARED BY B. Tardif

Date 5/15/23

MAP: **Unit #:** 85

Legend

Unit Boundary	T Tractor Logging
Yarding Direction – Skyline	F Forwarder/Cut to Length Logging
Yarding Direction - Tractor	S Skyline Logging
Proposed Log Landing Location	Hel Helicopter Logging
Existing Road	J Jammer
Temporary Road (constructed/existing)	TL Track Line Machine
Stream Channel	Dir Directional Falling
Riparian Buffer	W Surface Water
	XXX Dropped Areas



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project Area 56

Harvest Unit #: 86
NEPA Unit #: 86
Estimated Acres: 5
Prescription: Seed Tree
MBF Removal/Acre: 5
BA for unit by Species:
Mean DBH by Species:

IMPROVEMENTS:

Survey Monuments N/A Location
Fences N/A Location
Other

ROADS:

Haul Road # 4753
Maintenance: ☐ Reconstruction: ☒
Remarks

Construction

Specified N/A Length
Temporary N/A Length

RESOURCES:

Streams N/A Location
Springs N/A Location
Nests N/A Location
Other Location

LOGGING SYSTEM:

Tractor: ☐ Forwarder/Cut-to-Length: ☐ Skyline: ☒ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100

Logging System Specifics:

Percentage Uphill 100 Percentage Downhill
Average Slope 50 # of Landings 3-4
Max Yarding Distance 300 Directional Falling Yes ☐ No ☒ locate on map
Average Yarding Distance 250 Obstacles Yes ☐ No ☒ locate on map

COMMENTS:

Unit is now only that portion between the 4753 and 4753N. DF is primary species for removal. Unit also has WL, LPP, GF.

Analyzed as tractor, so mechanical felling is possible

WHY AREAS WERE DROPPED/EXCLUDED:

Majority of Nepa unit was dropped. It was listed as a tractor unit but is too steep for safe operations.

PREPARED BY R. Tardif

Date 5/12/23

****For Informational Purposes Only****

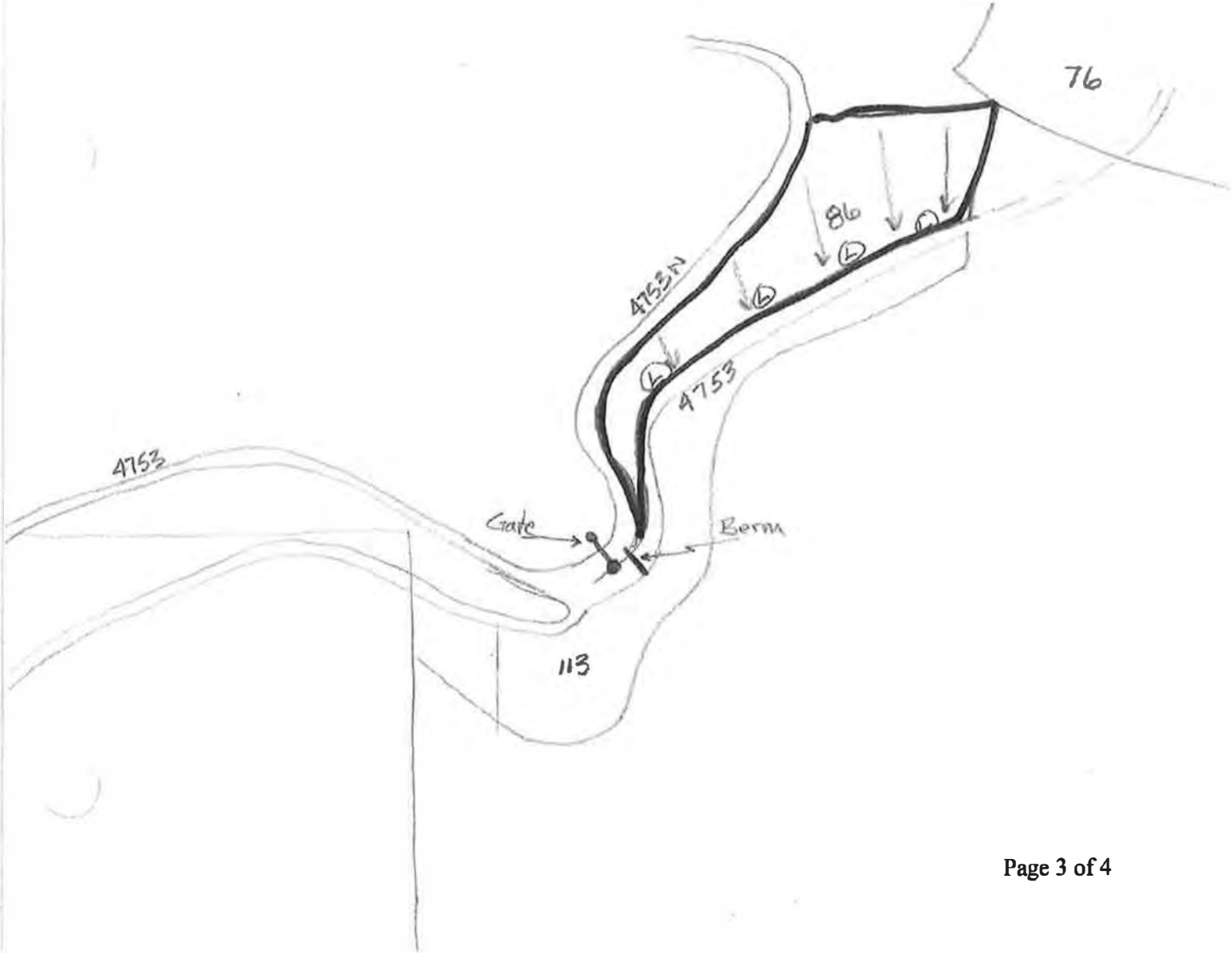
MAP: **Unit #:** 86

Legend

- Unit Boundary
- Yarding Direction – Skyline
- Yarding Direction - Tractor
- (L) Proposed Log Landing Location
- Existing Road
- Temporary Road (constructed/existing)
- Stream Channel
- Riparian Buffer

T	Tractor Logging
F	Forwarder/Cut to Length Logging
S	Skyline Logging
Hel	Helicopter Logging
J	Jammer
TL	Track Line Machine
Dir	Directional Falling
W	Surface Water
XXX	Dropped Areas

N



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project Area 56

Harvest Unit #: 87
NEPA Unit #: 87
Estimated Acres: 44
Prescription: Commercial Thin
MBF Removal/Acre: 2
BA for unit by Species:
Mean DBH by Species:

IMPROVEMENTS:

Survey Monuments N/A Location
Fences N/A Location
Other N/A

ROADS:

Haul Road # 4753N
Maintenance: ☐ Reconstruction: ☒
Remarks

Construction

Specified N/A Length
Temporary Possible temp T-3 Length 600

RESOURCES:

Streams N/A Location
Springs N/A Location
Nests N/A Location
Other Location

LOGGING SYSTEM:

Tractor: ☒ Forwarder/Cut-to-Length: ☒ Skyline: ☐ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100% Tractor, but good CTL option unit

Logging System Specifics:

Percentage Uphill Percentage Downhill 100
Average Slope 30% # of Landings 2
Max Yarding Distance 1,500 Directional Falling Yes ☐ No ☐ locate on map
Average Yarding Distance 700 Obstacles Yes ☐ No ☐ locate on map

COMMENTS:

Commercial thin unit. Good CTL unit as an option
PP is primary species present. WL + DF scatter throughout
Shares common boundaries with several other units

WHY AREAS WERE DROPPED/EXCLUDED:

PREPARED BY R. Tawdi

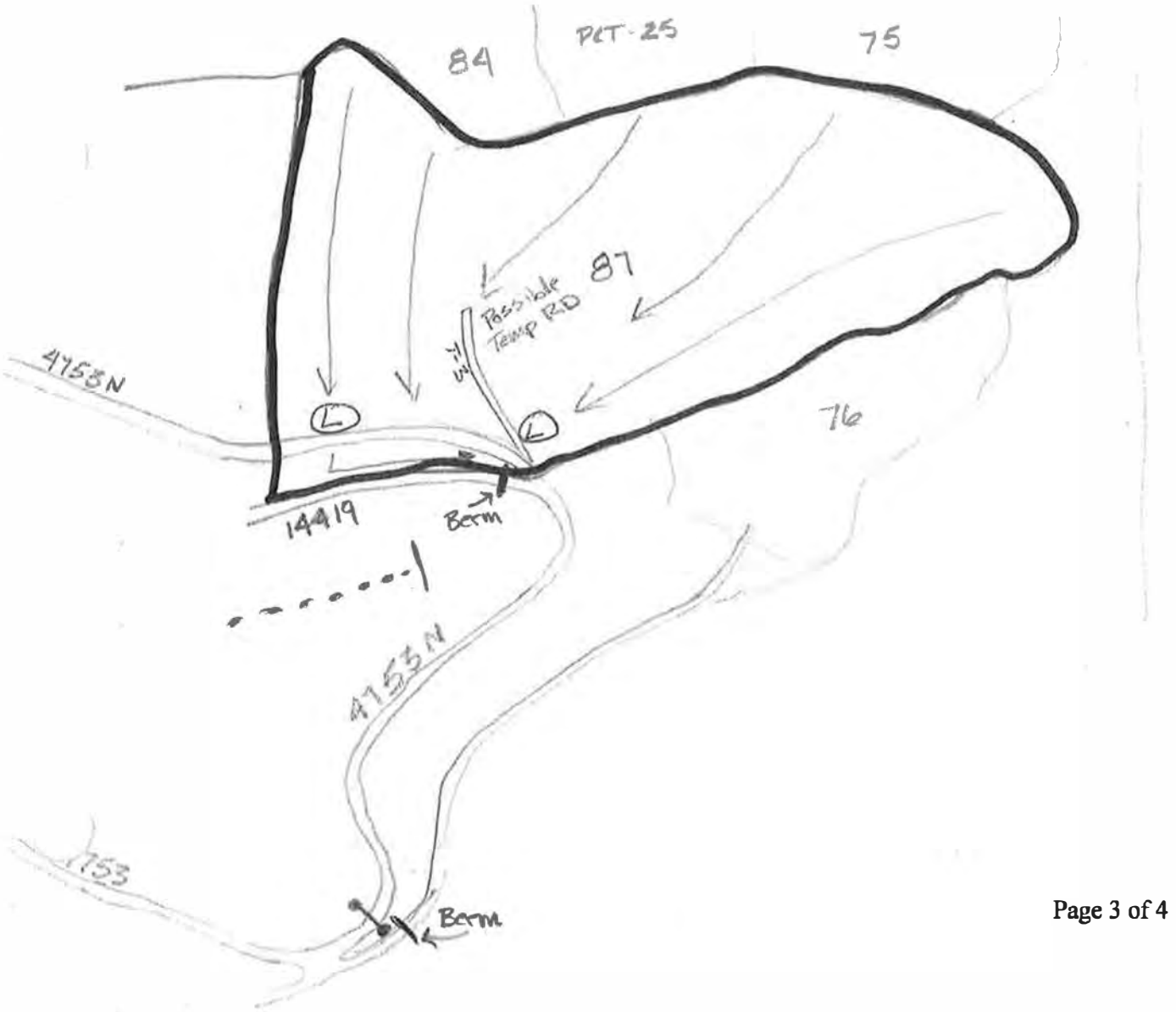
Date 5/3/23

MAP: **Unit #:** 87

Legend

Unit Boundary	T Tractor Logging
Yarding Direction – Skyline	F Forwarder/Cut to Length Logging
Yarding Direction - Tractor	S Skyline Logging
(L) Proposed Log Landing Location	Hel Helicopter Logging
Existing Road	J Jammer
Temporary Road (constructed/existing)	TL Track Line Machine
Stream Channel	Dir Directional Falling
Riparian Buffer	W Surface Water
	XXX Dropped Areas

N



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project 003 JACKSON

Harvest Unit #: 88
NEPA Unit #: 88
Estimated Acres: 20
Prescription:
MBF Removal/Acre:
BA for unit by Species:
Mean DBH by Species:

IMPROVEMENTS:

Survey Monuments Location
Fences Location
Other

ROADS:

Haul Road #
Maintenance: ☐ Reconstruction: ☐
Remarks

Construction

Specified Length
Temporary Length

RESOURCES:

Streams Location
Springs Location
Nests Location
Other Location

LOGGING SYSTEM:

Tractor: ☐ Forwarder/Cut-to-Length: ☐ Skyline: ☐ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☒ % for each system: 10-15% Tractor, 85-90% [illegible]

Logging System Specifics:

Percentage Uphill 100 Percentage Downhill 0
Average Slope 30 # of Landings 1-2
Max Yarding Distance 850 Directional Falling Yes ☐ No ☒ locate on map
Average Yarding Distance 600 Obstacles Yes ☐ No ☒ locate on map

COMMENTS:
BENCHY TERRAIN W/ DRAWS

WHY AREAS WERE DROPPED/EXCLUDED:
ROCK BAND + STEEP SLOPES LIMIT ADVERSE SKIDDING

PREPARED BY B. HOFFMAN

Date 5/9/23

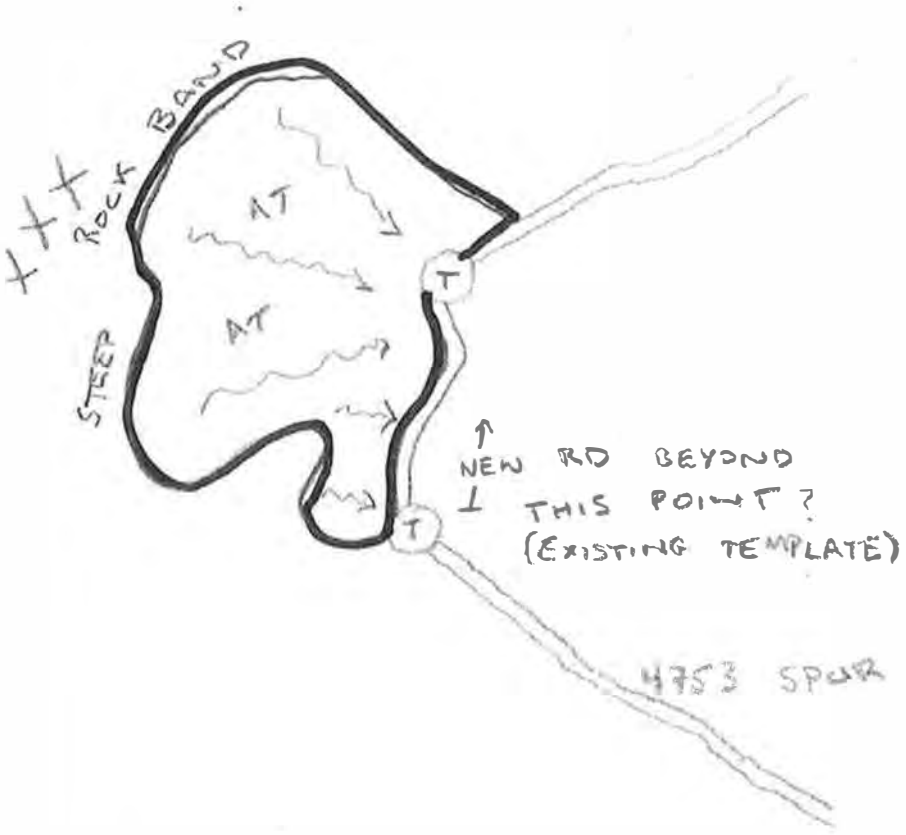
MAP: **Unit #:** 88

Legend

Unit Boundary	T Tractor Logging
Yarding Direction – Skyline	F Forwarder/Cut to Length Logging
Yarding Direction - Tractor	S Skyline Logging
(1) Proposed Log Landing Location	Hel Helicopter Logging
Existing Road	J Jammer
Temporary Road (constructed/existing)	TL Track Line Machine
Stream Channel	Dir Directional Falling
Riparian Buffer	W Surface Water
	XXX Dropped Areas

AT ADVERSE TRACTOR / ORGY

N ↑



For Informational Purposes Only

LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project Area 56

Harvest Unit #: 89 + 89A
NEPA Unit #: 89
Estimated Acres: 89A = 28 Ac 89B = 8 Ac.
Prescription: CCR
MBF Removal/Acre: 5
BA for unit by Species:
Mean DBH by Species:

IMPROVEMENTS:

Survey Monuments N/A Location
Fences N/A Location
Other

ROADS:

Haul Road # 4753 N
Maintenance: ☐ Reconstruction: ☒
Remarks

Construction

Specified N/A Length
Temporary N/A Length

RESOURCES:

Streams N/A Location
Springs N/A Location
Nests N/A Location
Other Location

LOGGING SYSTEM:

Tractor: ☒ Forwarder/Cut-to-Length: ☐ Skyline: ☒ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 89A 100% tractor / 89B 100% Skyline

Logging System Specifics:

Percentage Uphill 89B 100% Percentage Downhill 89A 100%
Average Slope 89A 30% 89B 45% # of Landings 89A = 2 89B = 2-3
Max Yarding Distance 89A: 1,100' / 89B: 500' Directional Falling Yes ☐ No ☒ locate on map
Average Yarding Distance 89A: 700' 89B: 400' Obstacles Yes ☐ No ☒ locate on map

COMMENTS:

Units are dominated by WL + LPP overstory with few of any other species. DMT is very prevelant in WL with 90%+ infected.
Understory is mix of WL, DF, + LPP mostly, with some GF + others.

89A is a tractor unit. Small areas within unit are 45%, but can be worked around. These are < 1 ac in size. Eastern side of unit is near 40% but has small breaches every 300 ft. Western side is 30-35%.

89B is a skyline unit. Unit is 40%+, but mechanical felling is possible since it was analyzed as a tractor unit.

WHY AREAS WERE DROPPED/EXCLUDED:

Area dropped curves under pot unit 24. Not workable with skyline and inoperable with tractor.

PREPARED BY R. Todd

Date 5/15/23

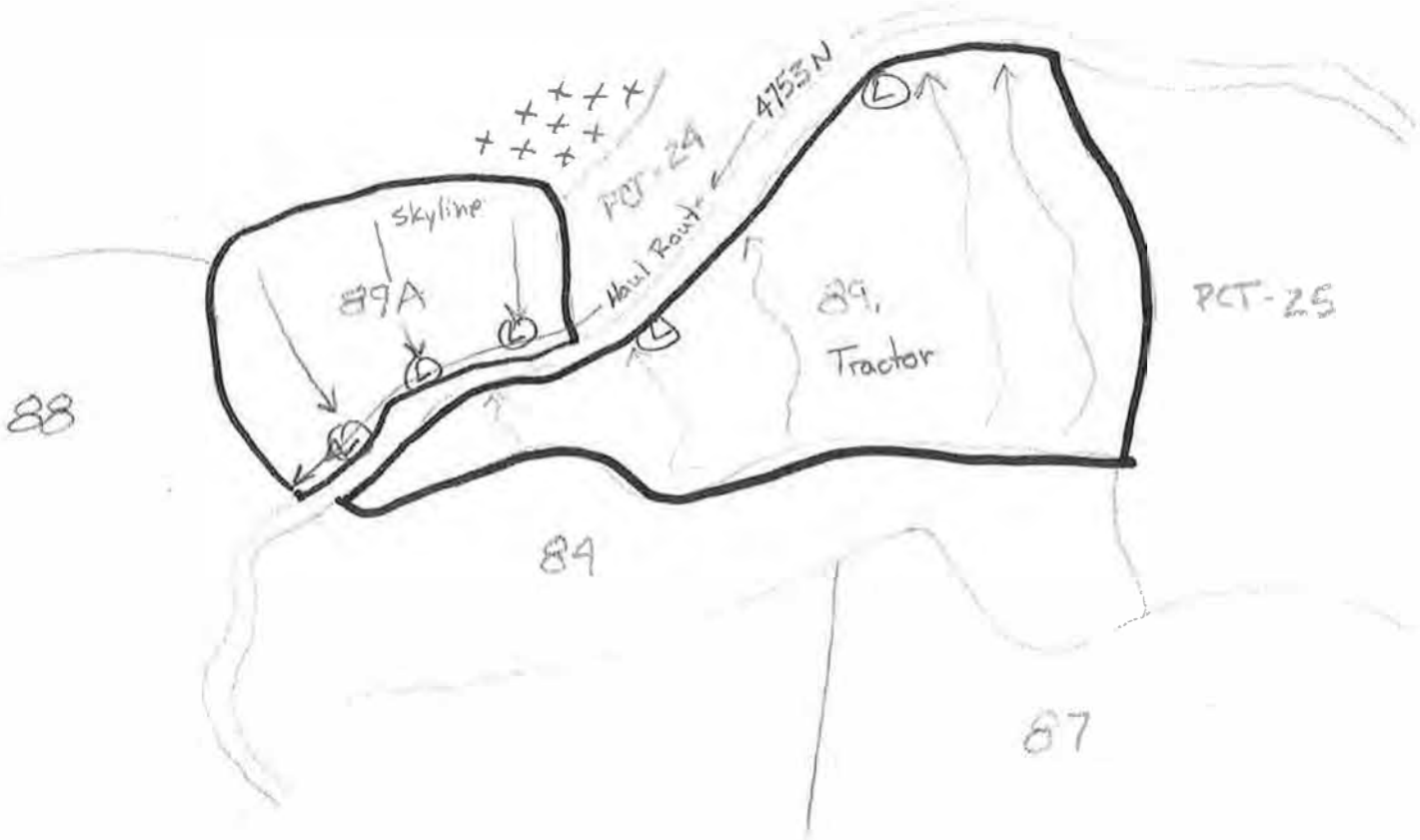
For Informational Purposes Only

MAP: **Unit #:** 89A+B

Legend

Unit Boundary	T Tractor Logging
Yarding Direction – Skyline	F Forwarder/Cut to Length Logging
Yarding Direction - Tractor	S Skyline Logging
(1) Proposed Log Landing Location	Hel Helicopter Logging
Existing Road	J Jammer
Temporary Road (constructed/existing)	TL Track Line Machine
Stream Channel	Dir Directional Falling
Riparian Buffer	W Surface Water
	XXX Dropped Areas

N



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project ON3 Jackson

Harvest Unit #: 90
NEPA Unit #: 90
Estimated Acres: 28 acres
Prescription: seed tree
MBF Removal/Acre: 6
BA for unit by Species: 80 DF 20 WL 10 PP 10 other
Mean DBH by Species: 14 16 12 16

IMPROVEMENTS:
Survey Monuments not in unit Location
Fences N/A Location
Other

ROADS:
Haul Road # 4752
Maintenance: X Reconstruction:
Remarks

Construction
Specified N/A Length
Temporary N/A Length

RESOURCES:
Streams 1 Location eastern boundry
Springs N/A Location
Nests N/A Location
Other N/A Location

LOGGING SYSTEM:

Tractor: ☐ Forwarder/Cut-to-Length: ☐ Skyline: ☒ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 90 skyline/0 tractor

Logging System Specifics:
Percentage Uphill 100 Percentage Downhill
Average Slope 65 # of Landings 3
Max Yarding Distance 700 Directional Falling Yes ☐ No ☒ locate on map
Average Yarding Distance 500 Obstacles Yes ☐ No ☒ locate on map

For Informational Purposes Only

COMMENTS:

unit comes to the road in the SMZ

- SMZ measured to 100ft, found water flowing in 07/2023
- Small tractor unit proposed on sawing pattern to the bottom of drainage. DROPPED due to riparian veg and SMZ

WHY AREAS WERE DROPPED/EXCLUDED:

PREPARED BY Josef Kose

Date 9/1/22

****For Informational Purposes Only****

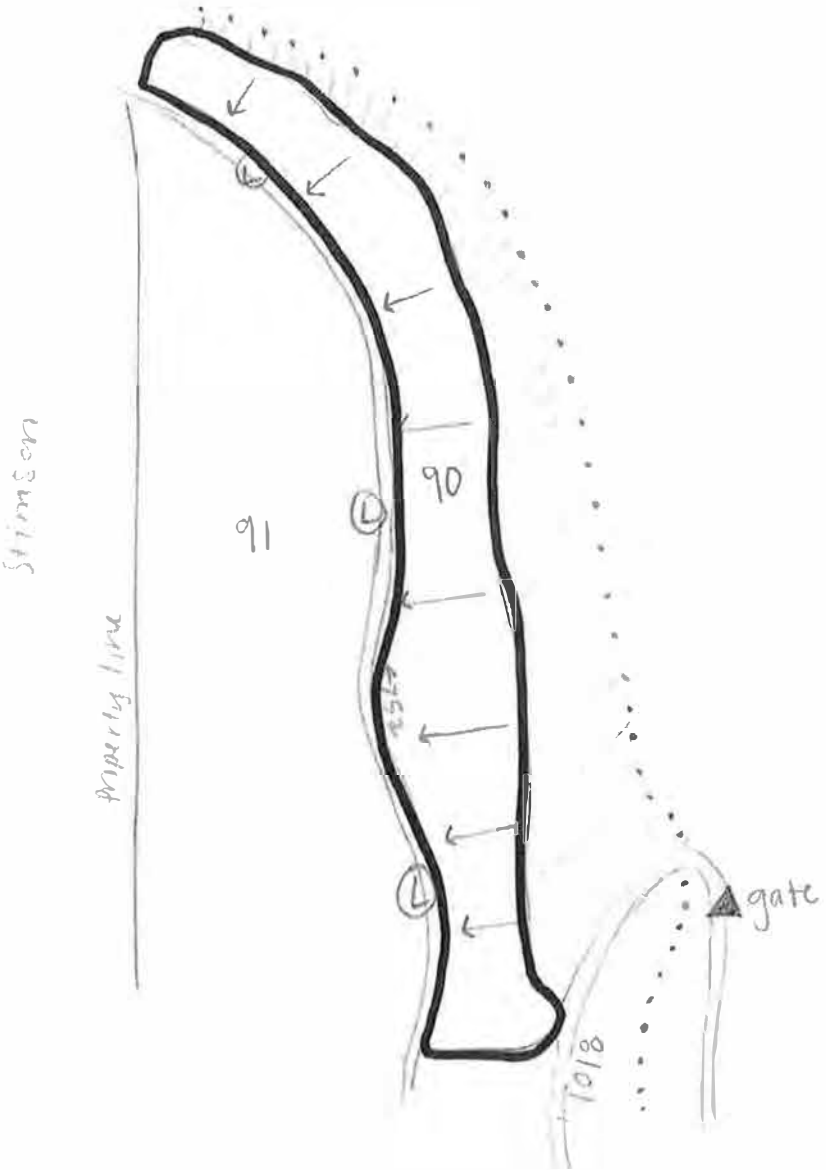
MAP: **Unit #:** 90

Legend

- Unit Boundary
- Yarding Direction – Skyline
- Yarding Direction - Tractor
- (1) Proposed Log Landing Location
- Existing Road
- Temporary Road (constructed/existing)
- Stream Channel
- Riparian Buffer

T	Tractor Logging
F	Forwarder/Cut to Length Logging
S	Skyline Logging
Hel	Helicopter Logging
J	Jammer
TL	Track Line Machine
Dir	Directional Falling
W	Surface Water
XXX	Dropped Areas

N



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project 013 - Jackson

Harvest Unit #: 91
NEPA Unit #: 91
Estimated Acres: 35
Prescription: Fuel reduction
MBF Removal/Acre:
BA for unit by Species: 80-110BA
Mean DBH by Species: 14-18"

IMPROVEMENTS:
Survey Monuments 1 Location 48°25.678', -115°28.345'
Fences Location
Other

ROADS:
Haul Road # 4752
Maintenance: ☐ Reconstruction: ☐
Remarks

Construction
Specified Length
Temporary Length

RESOURCES:
Streams Location
Springs Location
Nests Location
Other Location

LOGGING SYSTEM:

Tractor: ☒ Forwarder/Cut-to-Length: ☐ Skyline: ☐ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100

Logging System Specifics:
Percentage Uphill Percentage Downhill
Average Slope 20% # of Landings 3
Max Yarding Distance 0 Directional Falling Yes ☐ No ☐ locate on map
Average Yarding Distance 0 Obstacles Yes ☐ No ☐ locate on map

COMMENTS: Unit has fairly uniform and good volume throughout. Eastern boundary is road, western boundary and southern boundary are section lines.

Existing old excavated-skid trails are found throughout and can easily be rehabed and used again.

Blue paint was used to band trees and paint boundary, both of which are still discernable.

Old landings can be used again.

WHY AREAS WERE DROPPED/EXCLUDED:

They weren't

PREPARED BY Cole Osbrink

Date 9-1-22

For Informational Purposes Only

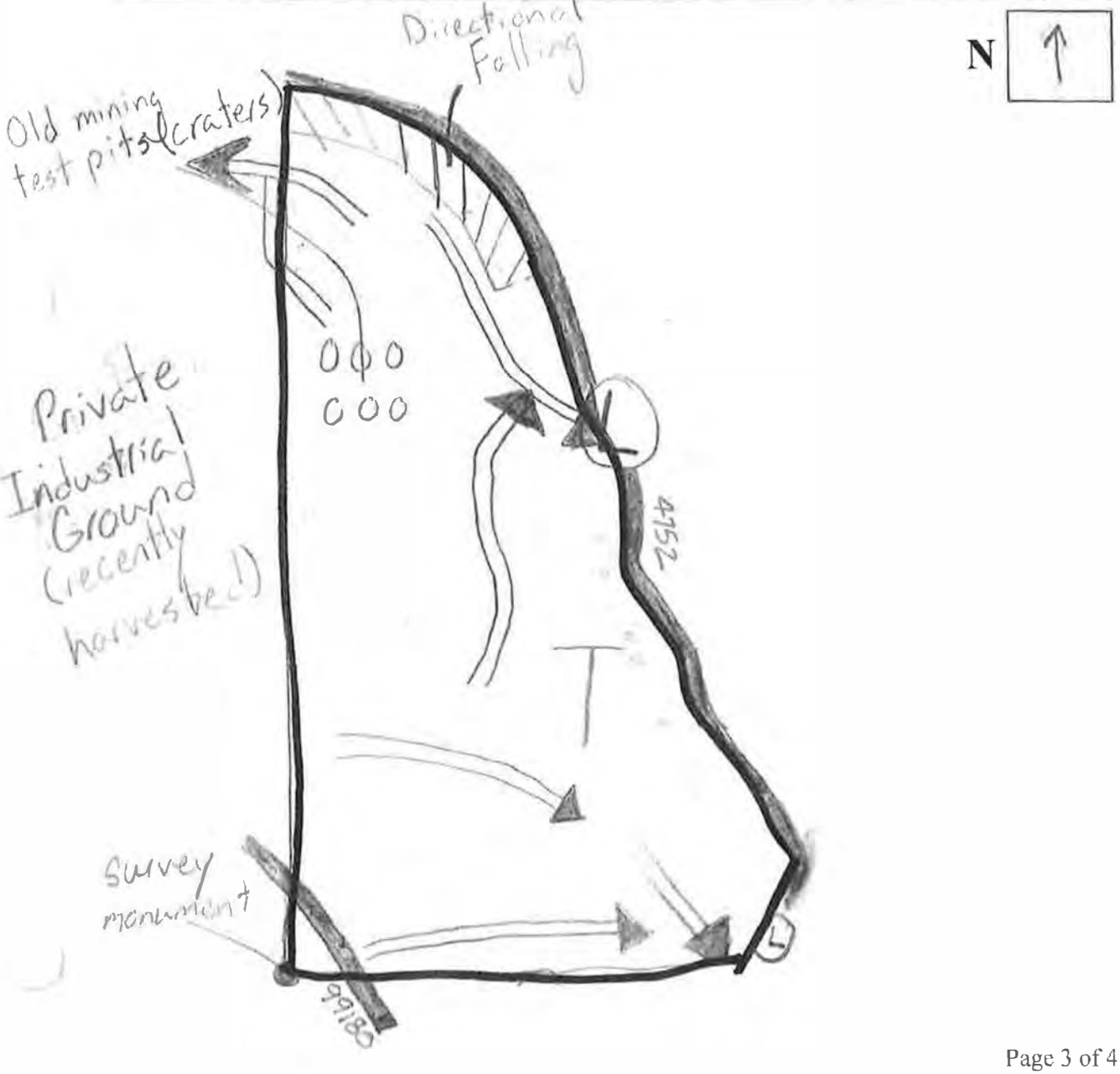
MAP: **Unit #:** 91

Legend

- Unit Boundary
- Yarding Direction – Skyline
- Yarding Direction - Tractor
- (1) Proposed Log Landing Location
- Existing Road
- Temporary Road (constructed/existing)
- Stream Channel
- ~~Riparian Buffer~~ Directional Falling

T	Tractor Logging
F	Forwarder/Cut to Length Logging
S	Skyline Logging
Hel	Helicopter Logging
J	Jammer
TL	Track Line Machine
Dir	Directional Falling
W	Surface Water
XXX	Dropped Areas

Existing old skid trail (w/ direction)



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project QU3 Jackson

Harvest Unit #: 92A
NEPA Unit #: 94
Estimated Acres: 20
Prescription: improvement
MBF Removal/Acre: 4
BA for unit by Species: 10 LP 50 PP 60 DF
Mean DBH by Species: 8" 16" 12"

IMPROVEMENTS:

Survey Monuments _____ Location _____
Fences _____ Location _____
Other Boundry with Stimson

ROADS:

Haul Road # 5043 Tub Gulch
Maintenance: ☒ Reconstruction: ☐
Remarks _____

Construction

Specified _____ Length _____
Temporary _____ Length _____

RESOURCES:

Streams N/A Location _____
Springs N/A Location _____
Nests N/A Location _____
Other _____ Location _____

LOGGING SYSTEM:

Tractor: ☒ Forwarder/Cut-to-Length: ☐ Skyline: ☐ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☒ % for each system: 90% Tractor 10 yoder

Logging System Specifics:

Percentage Uphill 60 Percentage Downhill 40
Average Slope 20 # of Landings _____
Max Yarding Distance 500 Directional Falling Yes ☐ No ☐ locate on map
Average Yarding Distance 300 Obstacles Yes ☐ No ☐ locate on map

COMMENTS:

area moved from 94 to 92 to make, 92 all South of power Lines

Common boundry follows new road that is proposed in the unit

WHY AREAS WERE DROPPED/EXCLUDED:

PREPARED BY Josef Kase

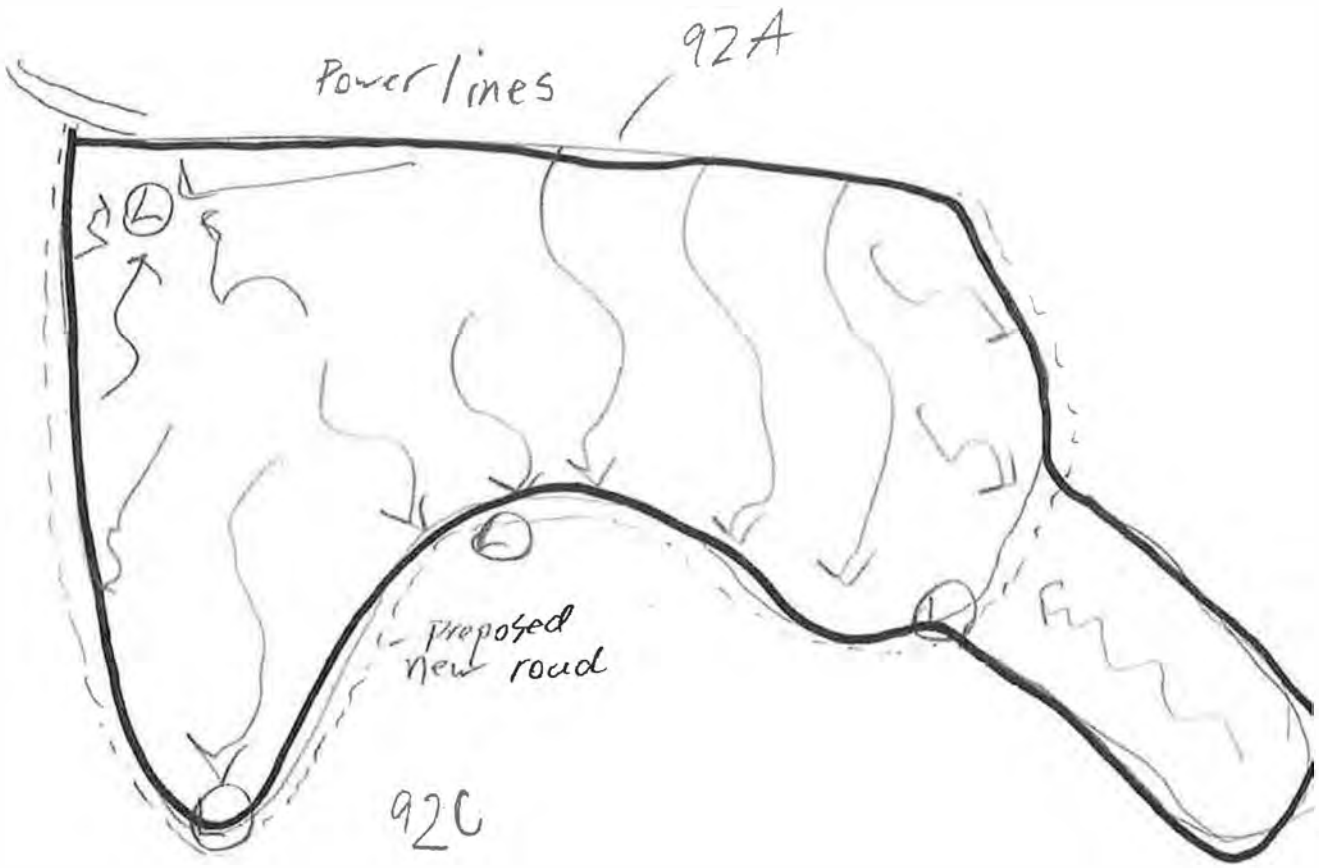
Date 9/15/2022

MAP: **Unit #:** 92A

Legend

Unit Boundary	T Tractor Logging
Yarding Direction – Skyline	F Forwarder/Cut to Length Logging
Yarding Direction - Tractor	S Skyline Logging
Proposed Log Landing Location	Hel Helicopter Logging
Existing Road	J Jammer
Temporary Road (constructed/existing)	TL Track Line Machine
Stream Channel	Dir Directional Falling
Riparian Buffer	W Surface Water
	XXX Dropped Areas

N



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project OU3

Harvest Unit #: 92 C
NEPA Unit #: 92
Estimated Acres: 65
Prescription: IMPROVEMENT / INTERMEDIATE
MBF Removal/Acre: 5000
BA for unit by Species: DF 100 PP 60 WL 20
Mean DBH by Species: DF 16" 22" 14"

IMPROVEMENTS:

Survey Monuments / Location
Fences / Location
Other PRIVATE LAND BOUNDARY ALONG W. EDGE

ROADS:

Haul Road #
Maintenance: ☐ Reconstruction: ☐
Remarks

Construction

Specified Length
Temporary UP DRY DRAW ALONG E. SIDE Length 1800'

RESOURCES:

Streams / Location
Springs / Location
Nests / Location
Other / Location

LOGGING SYSTEM:

Tractor: ☒ Forwarder/Cut-to-Length: ☐ Skyline: ☐ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100% TRACTOR

Logging System Specifics:

Percentage Uphill 0 Percentage Downhill 100%
Average Slope 25% # of Landings 4
Max Yarding Distance 1000' SKID Directional Falling Yes ☐ No ☒ locate on map
Average Yarding Distance 600' SKID Obstacles Yes ☐ No ☒ locate on map

COMMENTS:

A GOOD TRACTOR CHUNK OFF BOTH SIDES OF A RIDGE RUNNING DOWNHILL N. TO S. 1018 RD. BORDERS ON THE SW ¼ S. A DRY DRAW RUNS PARALLEL UP THE E. SIDE; TEMP RD. WILL ACCESS THE UPPER END ALONG THAT SIDE; WOOD CAN COME DOWN OFF RIDGE THAT WAY, & SKID S. OFF THE OTHER SIDE AS SHOWN ON MAP. BASICALLY A DRY SITE; MOSTLY SMALL-TO-MEDIUM SIZED DF UNDERSTORY WITH A LOT OF GOOD-SIZED PP. THROUGHOUT. WL ONLY SINGLE & SCATTERED ALONG E. SIDE.

WHY AREAS WERE DROPPED/EXCLUDED:

NOTHING ACTUALLY DROPPED. N. PORTIONS WERE CUT OUT FOR SEPARATE LINE UNITS 92 A & B; THE SPEARPOINT FINGER TO THE NE. TO BE INCLUDED IN ADJACENT UNIT #94

PREPARED BY G. VRANIZAN

Date 09/15/2022

****For Informational Purposes Only****

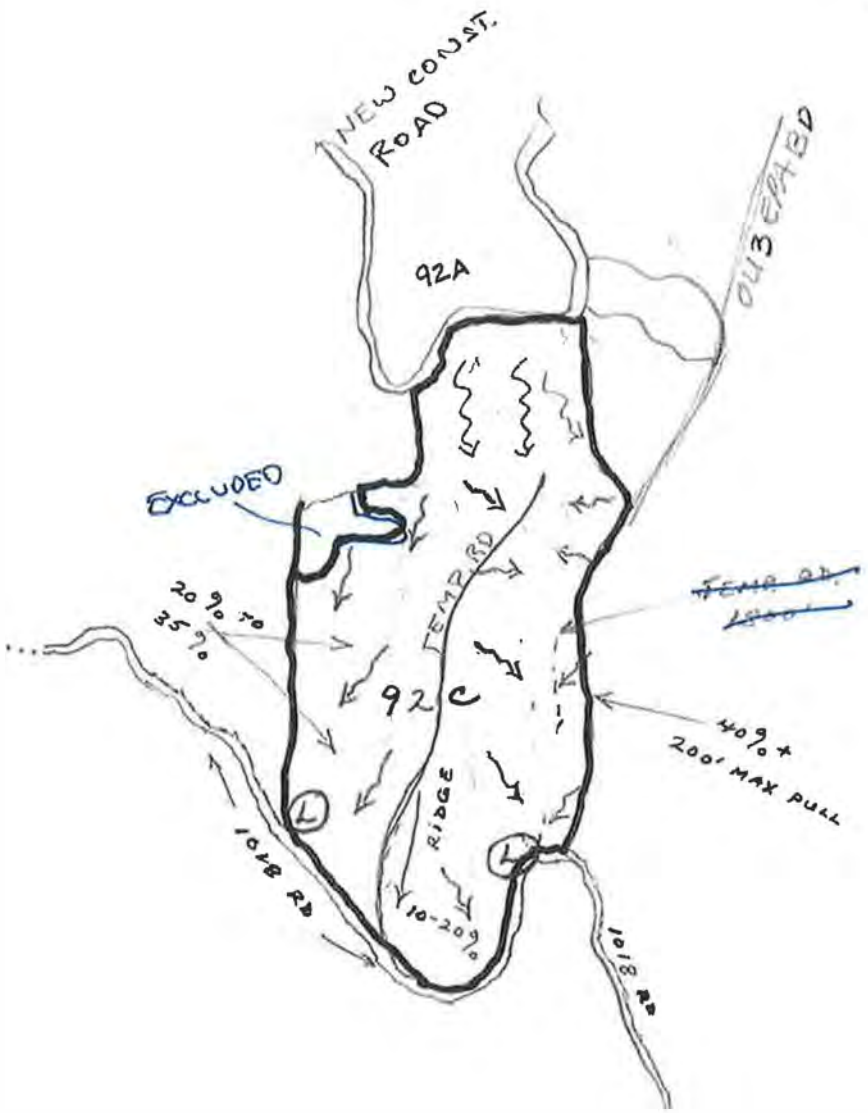
MAP: **Unit #:** 92B C

Legend

Unit Boundary	
Yarding Direction – Skyline	
Yarding Direction - Tractor	
Proposed Log Landing Location	
Existing Road	
Temporary Road (constructed/existing)	
Stream Channel	
Riparian Buffer	

T	Tractor Logging
F	Forwarder/Cut to Length Logging
S	Skyline Logging
Hel	Helicopter Logging
J	Jammer
TL	Track Line Machine
Dir	Directional Falling
W	Surface Water
XXX	Dropped Areas

N



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project OU3

Harvest Unit #: 93
NEPA Unit #: 93
Estimated Acres: 6.5
Prescription: Intermediate improvement
MBF Removal/Acre: 3-5
BA for unit by Species:
Mean DBH by Species: 10-14"

IMPROVEMENTS:

Survey Monuments 0 Location
Fences 0 Location
Other 0

ROADS:

Haul Road # 1018
Maintenance: ☐ Reconstruction: ☐
Remarks

Construction

Specified 0 Length
Temporary 0 Length

RESOURCES:

Streams 0 Location
Springs 0 Location
Nests 0 Location
Other 0 Location

LOGGING SYSTEM:

Tractor: ☐ Forwarder/Cut-to-Length: ☐ Skyline: ☒ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100%

Logging System Specifics:

Percentage Uphill
Average Slope 45-50%
Max Yarding Distance 3
Average Yarding Distance 2000 ft.
Percentage Downhill
# of Landings 1
Directional Falling Yes ☐ No ☐ locate on map
Obstacles Yes ☐ No ☐ locate on map

For Informational Purposes Only

COMMENTS:

Unit has a slope that rides the line between tractor ground and skyline. It could almost go either way but some steep slopes exist. Extremely low volume areas are dropped, but unit has nominally acceptable volume.

WHY AREAS WERE DROPPED/EXCLUDED:

Low volume. Blind lead drop off.

PREPARED BY Cole Osbrink

Date 9-5-22

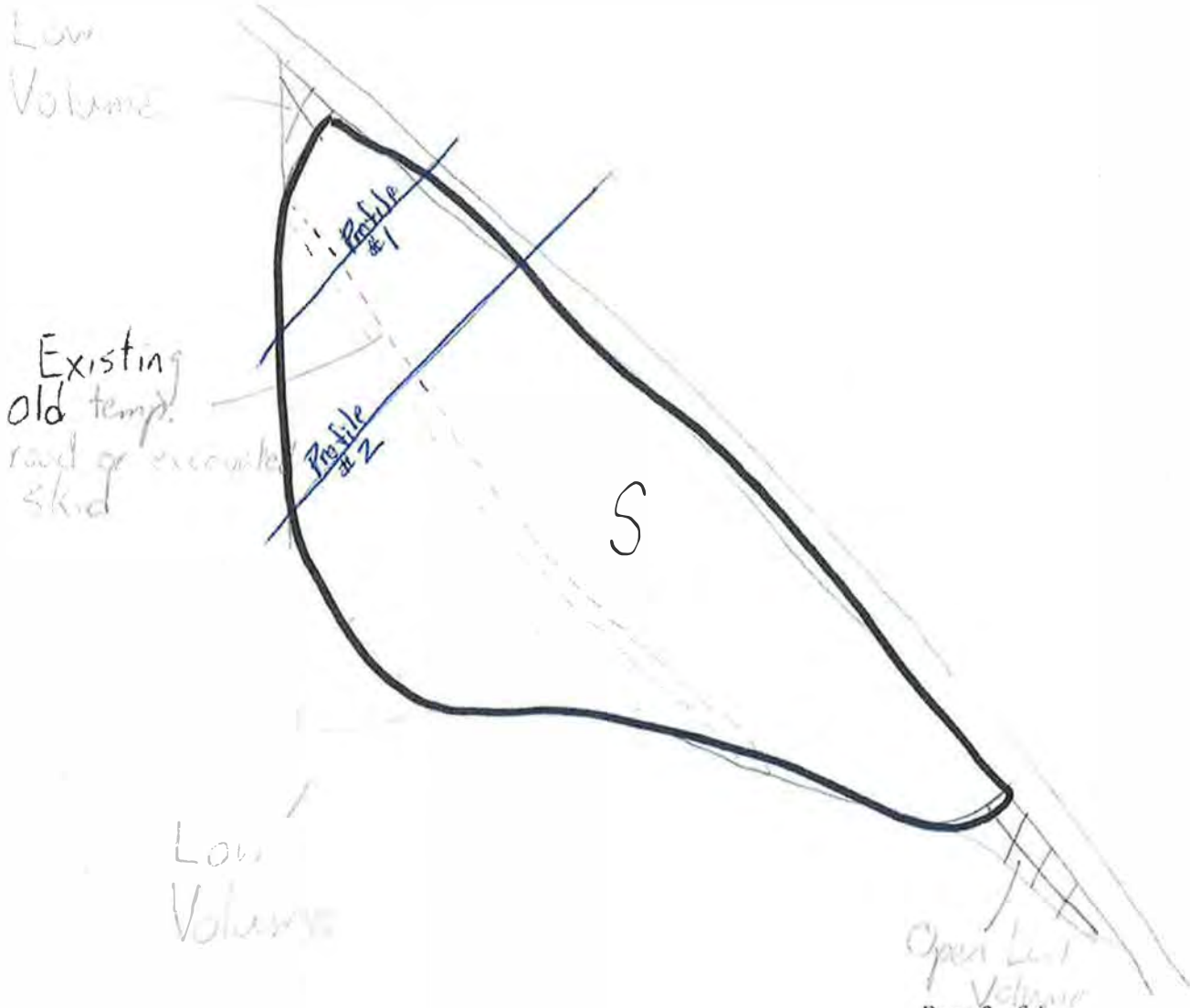
****For Informational Purposes Only****

MAP: **Unit #:** 93

Legend

———	Unit Boundary	T	Tractor Logging
➘	Yarding Direction – Skyline	F	Forwarder/Cut to Length Logging
➘	Yarding Direction - Tractor	S	Skyline Logging
(1)	Proposed Log Landing Location	Hel	Helicopter Logging
═══	Existing Road	J	Jammer
=======	Temporary Road (constructed/existing)	TL	Track Line Machine
••••••••••	Stream Channel	Dir	Directional Falling
//////////	Riparian Buffer	W	Surface Water
		XXX	Dropped Areas

N



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project 093 JACKSON – ASG

Harvest Unit #: 94
NEPA Unit #: 94
Estimated Acres: 15
Prescription: IMP
MBF Removal/Acre: _____
BA for unit by Species: _____
Mean DBH by Species: _____

IMPROVEMENTS:
Survey Monuments _____ Location _____
Fences _____ Location _____
Other _____

ROADS:
Haul Road # NS-75 -7 1018
Maintenance: ☒ Reconstruction: ☐
Remarks _____

Construction
Specified NS-75 Length _____
Temporary _____ Length _____

RESOURCES:
Streams _____ Location _____
Springs _____ Location _____
Nests _____ Location _____
Other _____ Location _____

LOGGING SYSTEM:

Tractor: ☐ Forwarder/Cut-to-Length: ☒ Skyline ☐ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100

Logging System Specifics:
Percentage Uphill 100% Percentage Downhill _____
Average Slope _____ # of Landings _____
Max Yarding Distance 1000' Directional Falling Yes ☐ No ☐ locate on map
Average Yarding Distance 1000' Obstacles Yes ☐ No ☐ locate on map

COMMENTS:

UNIT 94 (NEPA 94) IS A SKLINE UNIT OFF OF NEW SYSTEM ROAD NS-75.
THIS UNIT HAS A GOOD MIX OF CONIFER SPECIES DF/WL/AND SOME PP. RESIDUAL WILL CONSIST OF MOSTLY THESE 3 SPECIES W/ A PREFERENCE FOR WL + PP.
THE BOTTOM OF THE UNIT HAS GOOD RUNOUT TO A DRY DRAW BOTTOM + TAILHOLDS ARE GOOD. LOTS OF OLD EXCAVATED SKID TRAILS CRISS-CROSS THE UNIT BUT SHOULD NOT BE AN OBSTACLE NS-75 IS THE TOP (W) BOUNDARY OF THE UNIT + NS-11 IS THE BOUNDARY FOR APPROX 200' OF THE SE CORNER

WHY AREAS WERE DROPPED/EXCLUDED:

PREPARED BY BRENT HOFFMAN

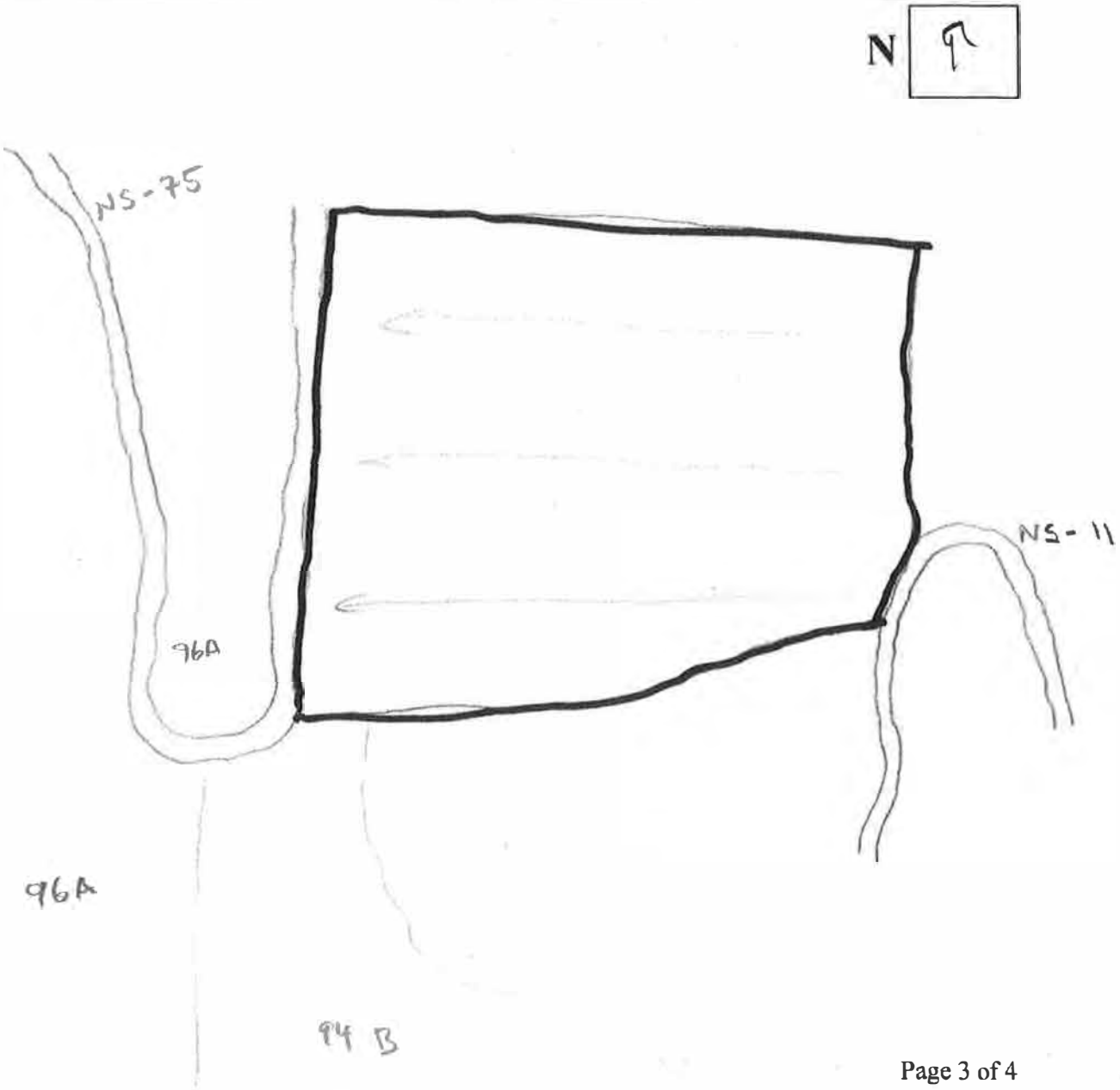
Date 09/26/23

For Informational Purposes Only

MAP: **Unit #:** 94

Legend

Unit Boundary	T Tractor Logging
Yarding Direction – Skyline	F Forwarder/Cut to Length Logging
Yarding Direction - Tractor	S Skyline Logging
(1) Proposed Log Landing Location	Hel Helicopter Logging
Existing Road	J Jammer
Temporary Road (constructed/existing)	TL Track Line Machine
Stream Channel	Dir Directional Falling
Riparian Buffer	W Surface Water
	XXX Dropped Areas



For Informational Purposes Only

02/09/23

NEW

LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project 003 JACKSON - AREA 56

Harvest Unit #: 94A
NEPA Unit #: 94
Estimated Acres: 14
Prescription: IMPROVEMENT
MBF Removal/Acre: _____
BA for unit by Species: _____
Mean DBH by Species: _____

IMPROVEMENTS:

Survey Monuments _____ Location _____
Fences _____ Location _____
Other _____

ROADS:

Haul Road # 1018 → RAINY CREEK
Maintenance: ☒ Reconstruction: ☐
Remarks _____

Construction

Specified NS-22 Length _____
Temporary _____ Length _____

RESOURCES:

Streams _____ Location _____
Springs _____ Location _____
Nests _____ Location _____
Other _____ Location _____

LOGGING SYSTEM:

Tractor: ☒ Forwarder/Cut-to-Length: ☐ Skyline: ☐ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100

Logging System Specifics:

Percentage Uphill < Percentage Downhill 95
Average Slope < 30 # of Landings _____
Max Yarding Distance 500' Directional Falling Yes ☒ No ☐ locate on map
Average Yarding Distance 200' Obstacles Yes ☐ No ☐ locate on map

COMMENTS:

UNIT 94A IS A SMALL TRACTOR UNIT THAT HAS INCORPORATED PARTS OF NEPA U. 94 AND U. 96. SPECIES COMP IS MOSTLY SMALL TO MED DIAMETER DRY SITE DF WITH SOME SCATTERED PP + POCKETS OF WL.
THIS UNIT IS MOSTLY RELATIVELY FLAT GROUND LOCATED ABOVE + BETWEEN THE 5082 + 5197 RDS. MOST OF THE VOLUME CAN BE SKIDDED FAVORABLY TO LANDINGS AND THE ROADS. SOME DIRECTIONAL FALLING MAY BE NECESARY IN THE FAR WESTERN CORNER OF THE UNIT AS WELL AS ABOVE THE CUT SLOPE OF THE LOWER ROAD.
THERE ARE SOME STEEPER PITCHES OF 40-50% THAT ARE NO GREATER THAN 100'. USE OF OLD EXCAVATED SKID TRAILS CAN ASSIST IN GETTING DOWN TO THE ROAD IN SOME SPOTS.
AT THE TIME OF LAYOUT NS-22 HAS NOT BEEN STAKED BUT IT WILL SERVE AS BOUNDARY FOR THE FAR NE CORNER.

WHY AREAS WERE DROPPED/EXCLUDED:

THE REST OF THE NEPA POLYGON FOR 94A WAS DROPPED DUE TO LOW VOLUME AND STEEP SLOPES OR NO ACCESS.

PREPARED BY BRENT HOFFMAN

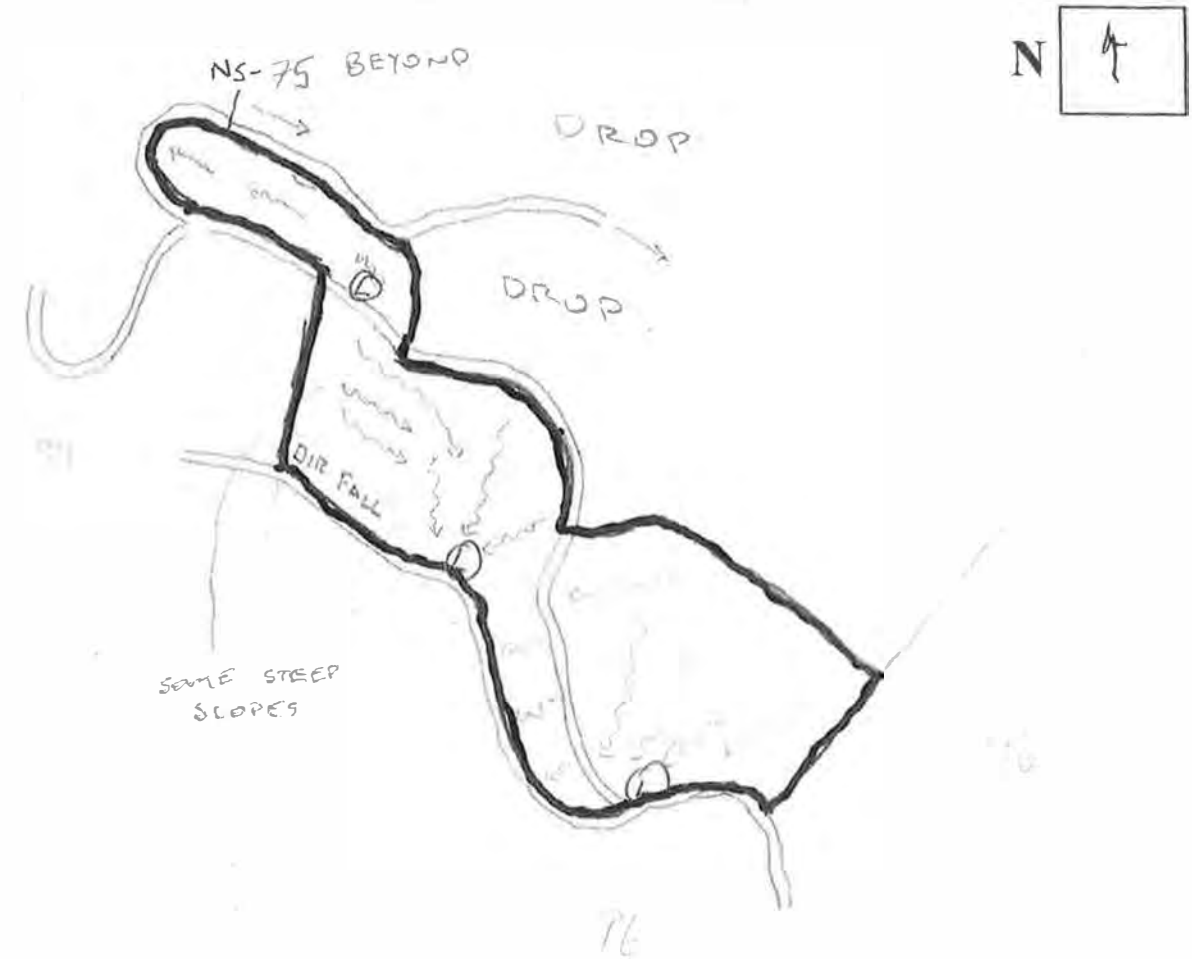
Date 08/09/23

MAP: **Unit #:** 94A

Legend

Unit Boundary	
Yarding Direction – Skyline	
Yarding Direction - Tractor	
1	Proposed Log Landing Location
Existing Road	
Temporary Road (constructed/existing)	
Stream Channel	
Riparian Buffer	

T	Tractor Logging
F	Forwarder/Cut to Length Logging
S	Skyline Logging
Hel	Helicopter Logging
J	Jammer
TL	Track Line Machine
Dir	Directional Falling
W	Surface Water
XXX	Dropped Areas



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project OV3 Jackson

Harvest Unit #: 9+B
NEPA Unit #: 94
Estimated Acres: 4-2 acres
Prescription: Improvement C-2
MBF Removal/Acre: 5-6 mbf/acre
% Species Composition: 80% DF 10% WL 10% other
Mean DBH by Species: 12" 14"

IMPROVEMENTS:

Survey Monuments – Location –
Fences – Location –
Other Powerline, southern boundary

ROADS:

Haul Road # 4755
Maintenance: ☐ Reconstruction: ☐
Remarks New spur construction

Construction

Specified _____ Length _____
Temporary _____ Length _____

RESOURCES:

Streams – Location –
Springs – Location –
Nests – Location –
Other – Location –

LOGGING SYSTEM:

Tractor: ☑ Forwarder/Cut-to-Length: ☐ Skyline: ☐ Helicopter: ☐ Shovel: ☐

Track Line Machine: ☐ Other/Notes: _____

Logging System Specifics:

Percentage Uphill 5% Percentage Downhill 15%
Average Slope 30% # of Landings 4
Max Yarding Distance 1000' Directional Falling Yes ☑ No ☐ locate on map
Average Yarding Distance 400' Obstacles Yes ☐ No ☑ locate on map

COMMENTS:

Unit 14B is a large tractor unit that is accessed by two main roads, 4755 and . Species composition is dry fir with PP/WL mixed in. The unit is well-stocked.

Unit 14B was split from the 14 Nepa poly because it is tractorable while the rest of 14 is cable ground.

A small ridgetop adverse area in the NW corner of the unit will have logs to RD . Most of the volume will go to RD 4755 and RD .

There is a steep area just above RD 4755. This will required some directional felling to the road. The 45-55% ground around this DIR area can be accessed by packing. There are multiple short 10-15% skids through the unit but some over 100-150'.

The powerline should have no effect on skidding or hauling.

WHY AREAS WERE DROPPED/EXCLUDED:

The northern dropped area was too steep for ground systems and too small for cable yarding.

PREPARED BY Trevor Lurie

Date 8/2/23

****For Informational Purposes Only****

Legend

L : Landing

_____ : System Road

XXXXX : New Specified Road

→ : Skid Direction

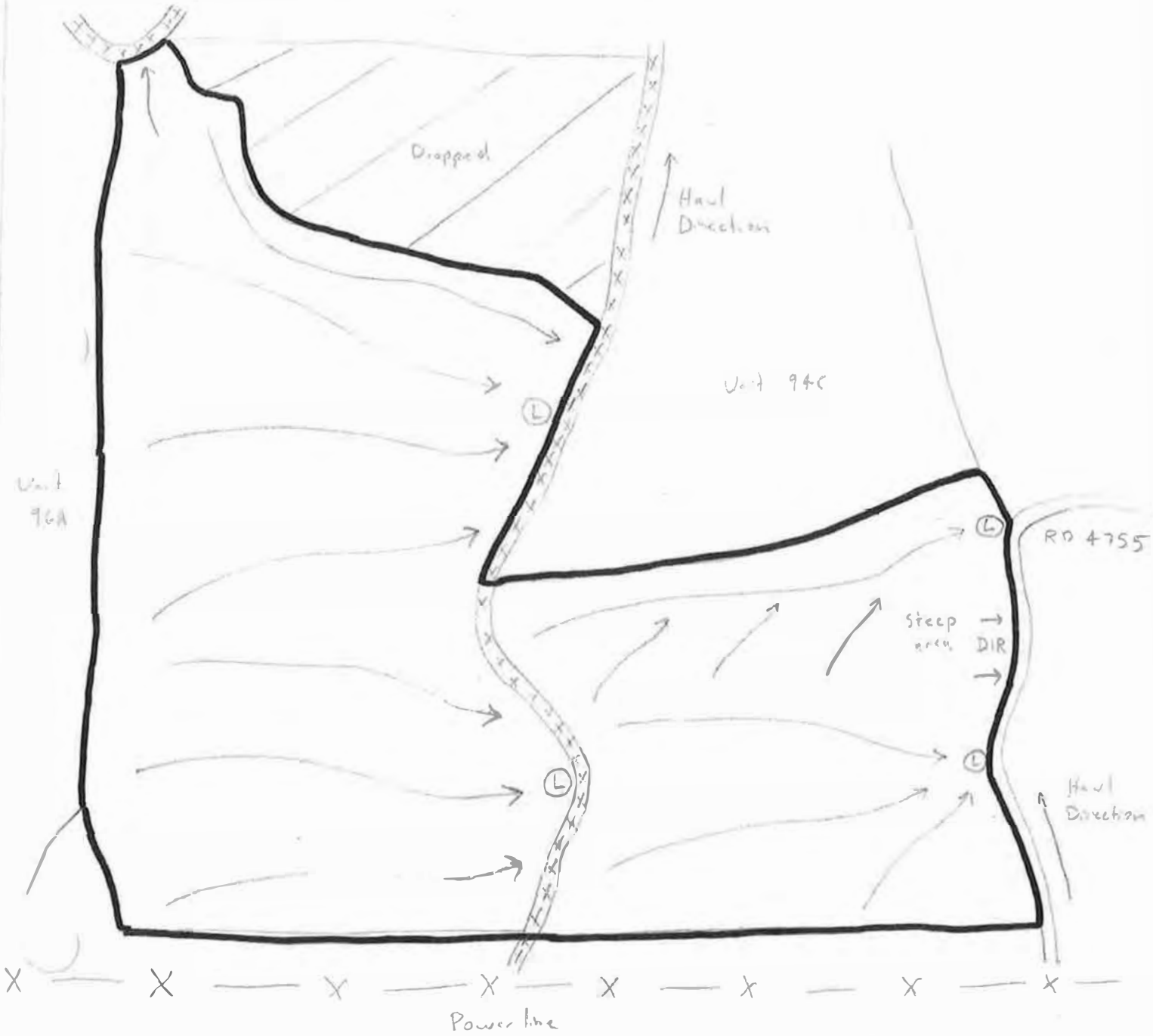
Unit #: 94B

: Dropped

DIR: Directional felling

= Unit Boundary

-X-X- : Powerline



For Informational Purposes Only

LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project OU 3 Jackson

Harvest Unit #: 94C
NEPA Unit #: 94
Estimated Acres: 9 acres
Prescription: Improvement Cut
MBF Removal/Acre: 5-6 mbf/acre
% Species Composition: DF 80% WL 10% other 10%
Mean DBH by Species: 12" 16"

IMPROVEMENTS:

Survey Monuments — Location —
Fences — Location —
Other

ROADS:

Haul Road #
Maintenance: ☐ Reconstruction: ☐
Remarks New spur construction

Construction

Specified — Length
Temporary — Length

RESOURCES:

Streams — Location —
Springs — Location —
Nests — Location —
Other — Location —

LOGGING SYSTEM:

Tractor: ☐ Forwarder/Cut-to-Length: ☐ Skyline: ☑ Helicopter: ☐ Shovel: ☐

Track Line Machine: ☐ Other/Notes:

Logging System Specifics:

Percentage Uphill 100% Percentage Downhill 0%
Average Slope 40% # of Landings 1 + Roadside
Max Yarding Distance 550' Directional Falling Yes ☐ No ☑ locate on map
Average Yarding Distance 300' Obstacles Yes ☐ No ☑ locate on map

For Informational Purposes Only

COMMENTS:

Unit 94C is a cable unit located off new spec. Construction, Species comp. starts as dry DF but shifts into a moist site with a variety of species as you move downhill into the dry.

Unit 94C was seperated from Unit 94 because of different haul routes

The longest set is also the longest, dealing with the center ridge The opposing draw slope should provide enough deflection to make it work

The proposed landing will be shared with U94C, the rest of the logs will be decked roadside.

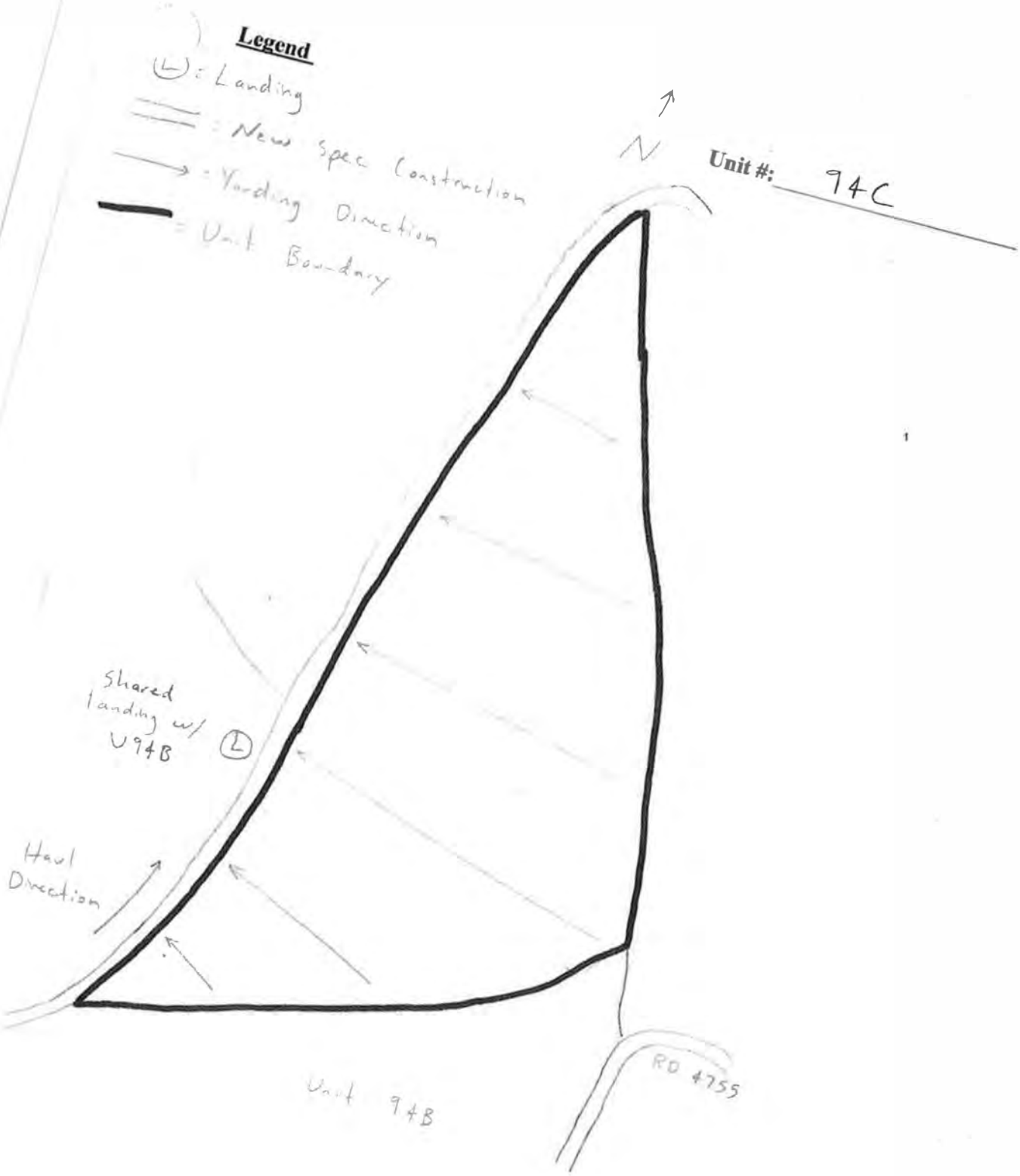
Cuybacks and lathholds are good

WHY AREAS WERE DROPPED/EXCLUDED:

PREPARED BY Trevor Lurie

Date 8/2/23

****For Informational Purposes Only****



For Informational Purposes Only

LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project OU3 Jackson

Harvest Unit #: 95
NEPA Unit #: 95
Estimated Acres: 7
Prescription: improvement
MBF Removal/Acre: 4
BA for unit by Species: 80 DF 40 PP 10 other
Mean DBH by Species: 12 16 8

IMPROVEMENTS:
Survey Monuments N/A Location
Fences N/A Location
Other OU3 Boundary

ROADS:
Haul Road # Tub gulch road
Maintenance: ☒ Reconstruction: ☐
Remarks

Construction
Specified Length
Temporary Length

RESOURCES:
Streams N/A Location
Springs N/A Location
Nests N/A Location
Other dry draw Location

LOGGING SYSTEM:

Tractor: ☐ Forwarder/Cut-to-Length: ☐ Skyline: ☒ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100

Logging System Specifics:
Percentage Uphill 100 Percentage Downhill 0
Average Slope 40 # of Landings 2
Max Yarding Distance 400 Directional Falling Yes ☐ No ☐ locate on map
Average Yarding Distance 300 Obstacles Yes ☐ No ☐ locate on map

COMMENTS:
draw in middle of unit is dry
chance to shovel log the ridge
eastern boundary is adjacent to our3
area.

WHY AREAS WERE DROPPED/EXCLUDED:

PREPARED BY Josef Kase

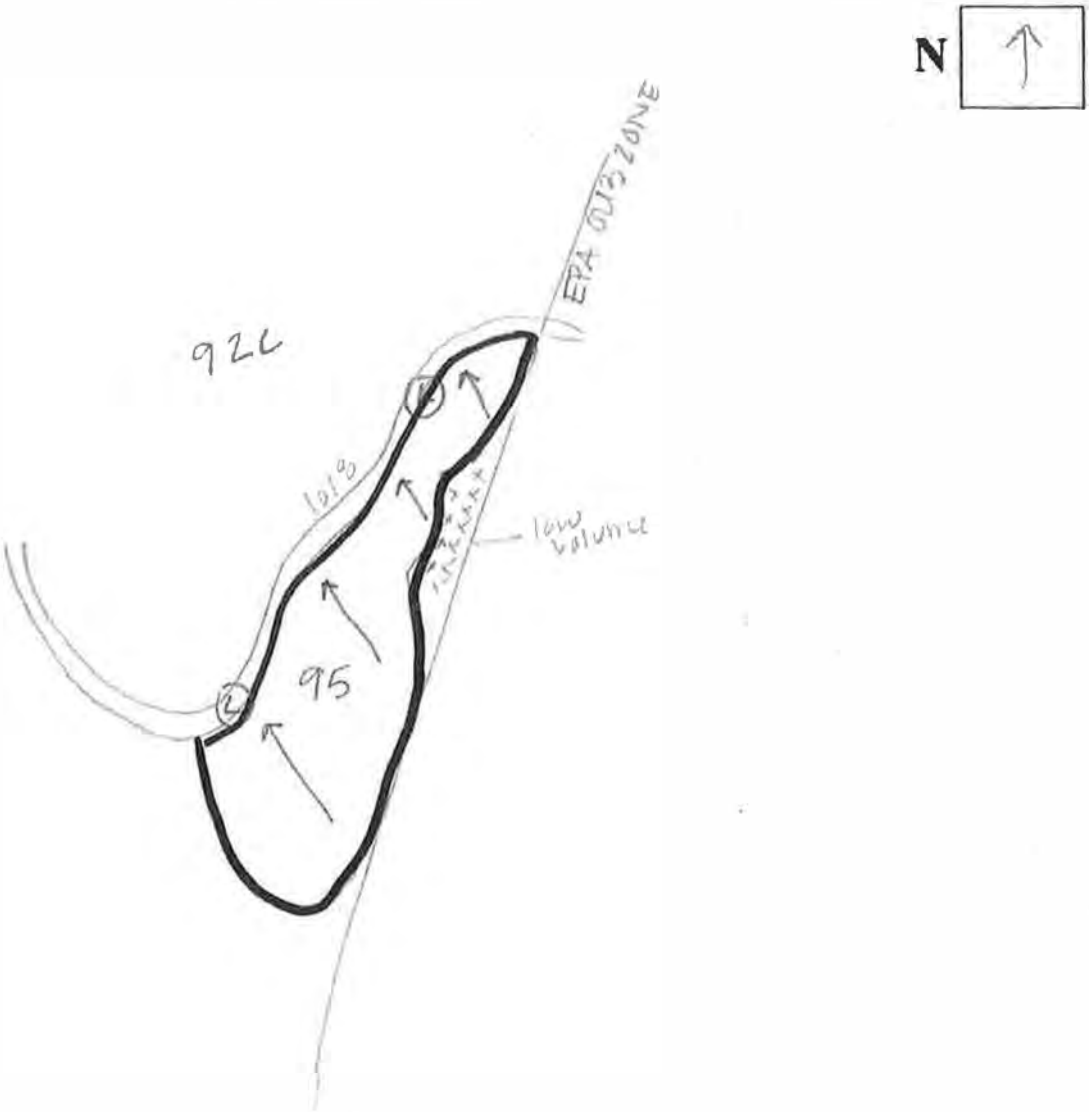
Date 9/4/22

****For Informational Purposes Only****

MAP: **Unit #:** 95

Legend

Unit Boundary	T Tractor Logging
Yarding Direction – Skyline	F Forwarder/Cut to Length Logging
Yarding Direction - Tractor	S Skyline Logging
(1) Proposed Log Landing Location	Hel Helicopter Logging
Existing Road	J Jammer
Temporary Road (constructed/existing)	TL Track Line Machine
Stream Channel	Dir Directional Falling
Riparian Buffer	W Surface Water
	XXX Dropped Areas



For Informational Purposes Only

LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project 03 JACKSON - A56

Harvest Unit #: 96
NEPA Unit #: 96
Estimated Acres: 30
Prescription: COMMERCIAL THIN
MBF Removal/Acre:
BA for unit by Species:
Mean DBH by Species:

IMPROVEMENTS:

Survey Monuments Location
Fences Location
Other

ROADS:

Haul Road # NS-75 → 1018 → RAINY → US-2
Maintenance: ☒ Reconstruction: ☐
Remarks

Construction

Specified NS-75 Length
Temporary Length

RESOURCES:

Streams ALONG BOTTOM Location
Springs Location
Nests Location
Other Location

LOGGING SYSTEM:

Tractor: ☐ Forwarder/Cut-to-Length: ☐ Skyline: ☒ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100

Logging System Specifics:

Percentage Uphill 100 Percentage Downhill
Average Slope # of Landings
Max Yarding Distance 700' Directional Falling Yes ☐ No ☐ locate on map
Average Yarding Distance 400' Obstacles Yes ☐ No ☐ locate on map

COMMENTS:

UNIT 96 (NEPA 96) IS MOSTLY LOCATED ALONG 1018 RD WITH A PORTION BELOW NS-75 & 5082 RD. THESE ROADS FORM A PORTION OF THE UNIT BOUNDARY
THE BOTTOM OF THE UNIT IS BUFFERED 50+' OFF OF A STREAM
UNIT CONSISTS MAINLY OF DF
ENTIRE UNIT WILL BE SKYLINE

WHY AREAS WERE DROPPED/EXCLUDED:

PREPARED BY BRENT HOFFMAN

Date 09/26/23

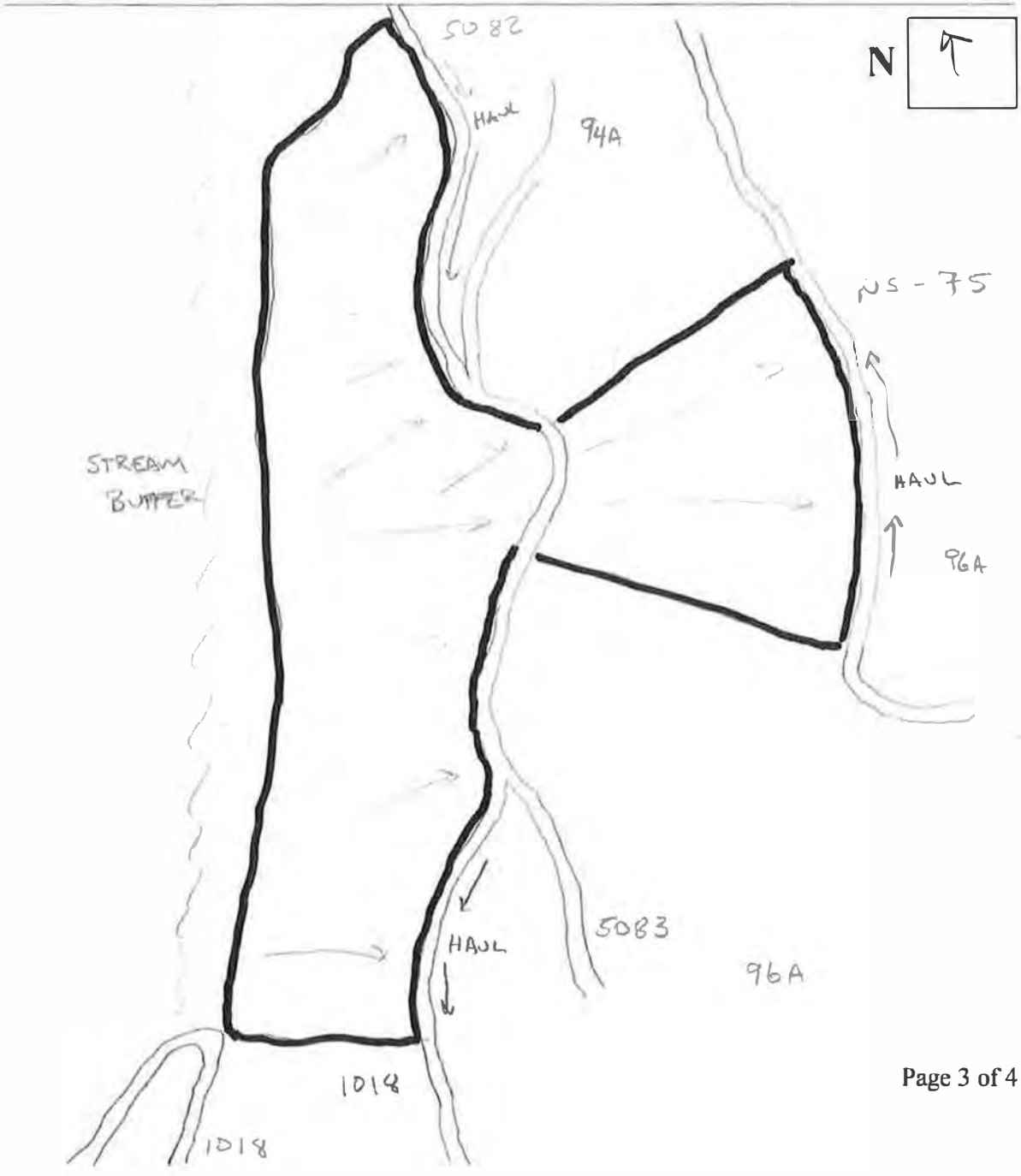
****For Informational Purposes Only****

MAP: **Unit #:** 96

Legend

- Unit Boundary
- Yarding Direction – Skyline
- Yarding Direction - Tractor
- (1) Proposed Log Landing Location
- Existing Road
- Temporary Road (constructed/existing)
- Stream Channel
- Riparian Buffer

T	Tractor Logging
F	Forwarder/Cut to Length Logging
S	Skyline Logging
Hel	Helicopter Logging
J	Jammer
TL	Track Line Machine
Dir	Directional Falling
W	Surface Water
XXX	Dropped Areas



For Informational Purposes Only

LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project OU 3 Jackson

Harvest Unit #: 96A
NEPA Unit #: 96
Estimated Acres: 20 acres
Prescription: Commercial Thin
MBF Removal/Acre: 4-5 mbf/acre
% Species Composition: 80% DF 20% PP
Mean DBH by Species: 10" 16"

IMPROVEMENTS:

Survey Monuments – Location –
Fences – Location –
Other Powerline south end of unit

ROADS:

Haul Road # 5018
Maintenance: ☑ Reconstruction: ☐
Remarks

Construction

Specified – Length –
Temporary – Length –

RESOURCES:

Streams – Location –
Springs – Location –
Nests – Location –
Other – Location –

LOGGING SYSTEM:

Tractor: ☑ Forwarder/Cut-to-Length: ☐ Skyline: ☐ Helicopter: ☐ Shovel: ☐

Track Line Machine: ☐ Other/Notes:

Logging System Specifics:

Percentage Uphill 10% Percentage Downhill 90%
Average Slope 30% # of Landings 2 + roadside
Max Yarding Distance 750' Directional Falling Yes ☐ No ☐ locate on map
Average Yarding Distance 300' Obstacles Yes ☑ No ☐ locate on map

COMMENTS:

Unit 96A is a tractor unit that was split from the 96 NFPA poly because of systems. The species comp is dry DF with some PP mixed through.

The unit is accessed by roads 5083 and new spec. construction.

The northern proposed landing is a good location on the ridge, but the SW proposed landing is on a small ridge in a poor location. Most of the unit will be skid to 5083 and will need to be decked roadside. The road is narrow and there are no good landing locations.

There is a small (~2 acre) steep area off RD 5083 that was left in the unit. The edges of this steep bowl can be accessed through packing with the gradient. The center of the bowl is ~45% for 200' and so should not be skid through. This area should be monitored heavier during LTM.

Another steep area on the south end of the unit is small enough to be packed down to the road.

The powerline is located south of the unit and does not affect skidding or landing.

WHY AREAS WERE DROPPED/EXCLUDED:

The southern area was dropped for being a large opening.

PREPARED BY Trevor Currie

Date 8/2/23

For Informational Purposes Only

Legend

L : Landing

═══ : System Road

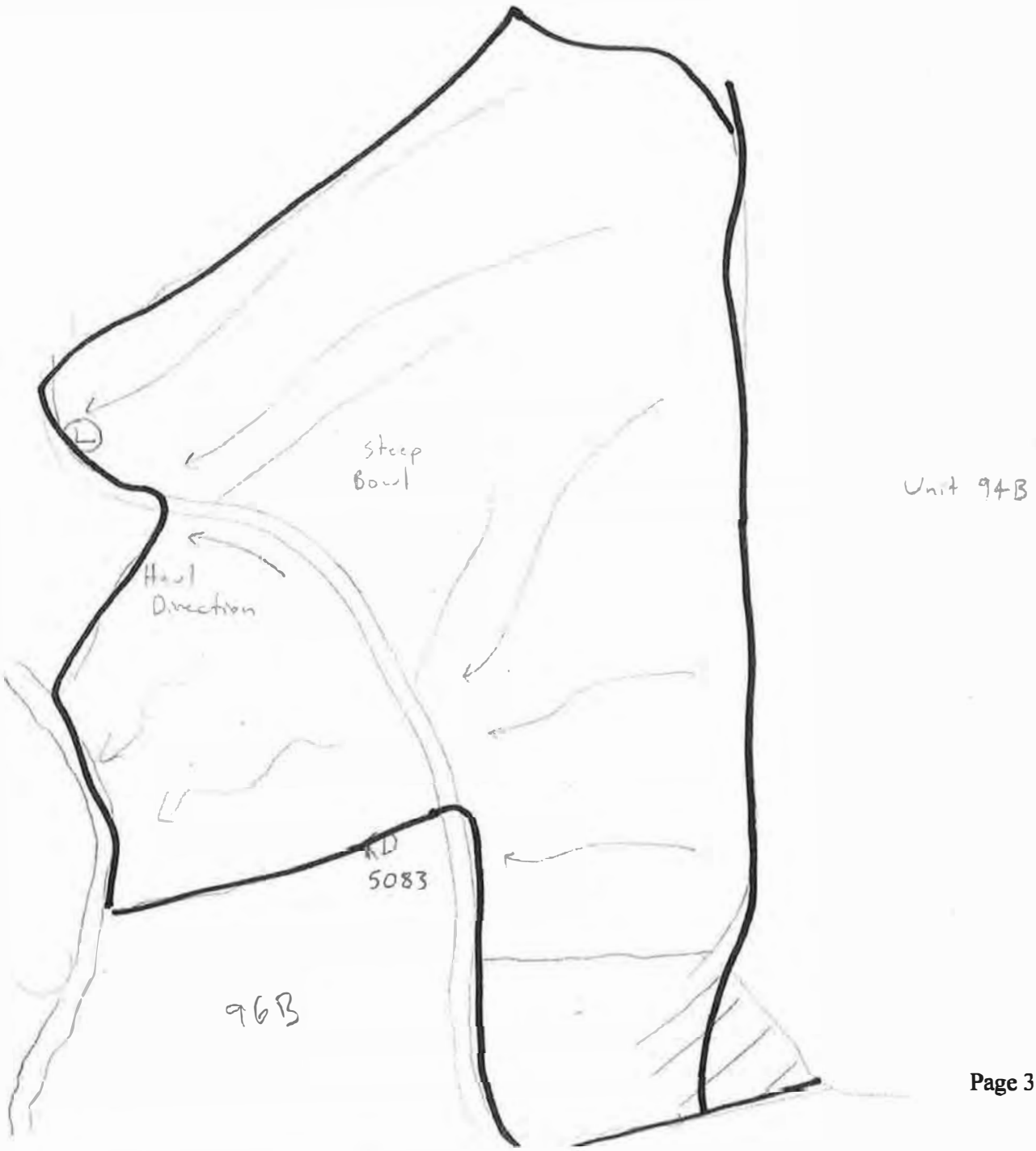
⟶ : Skid Direction

XXXXX = New Specified RD

▬ : Unit Boundary

N

Unit #: 96A



For Informational Purposes Only

LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project OW3 JACKSON

Harvest Unit #: 96 B
NEPA Unit #: 96
Estimated Acres: 6
Prescription: COMMERCIAL THIN
MBF Removal/Acre:
BA for unit by Species: 80% DF 20% PP
Mean DBH by Species:

IMPROVEMENTS:

Survey Monuments – Location
Fences – Location
Other POWER LINE 3 END OF UNIT

ROADS:

Haul Road # 1018
Maintenance: ☐ Reconstruction: ☐
Remarks

Construction

Specified NS-11 Length
Temporary – Length

RESOURCES:

Streams – Location
Springs – Location
Nests – Location
Other – Location

LOGGING SYSTEM:

Tractor: ☐ Forwarder/Cut-to-Length: ☐ Skyline: ☒ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100% (SOME OR FALLING BETWEEN NS-11 + 5093)

Logging System Specifics:

Percentage Uphill 100% Percentage Downhill
Average Slope 50-60% # of Landings ROADSIDE
Max Yarding Distance 630' Directional Falling Yes ☒ No ☐ locate on map
Average Yarding Distance 500' Obstacles Yes ☐ No ☒ locate on map

COMMENTS:

UNIT 96 B IS A SKYLINE UNIT THAT WAS SPLIT FROM THE 96 NEPA POLYGON BECAUSE IT IS SEPERATED FROM OTHER LINE AREAS WITHIN THE GREATER POLYGON. THE SPECIES COMP IS DRY SITE DF WITH SOME PP AND A FEW SCATTERED WL.
THE UNIT IS ACCESSED BY EXISTING RD 2083 + NEW SPEC RD NS-11.
THE WHOLE UNIT WILL BE LINED UP TO NS-11 (SMALL PIECE AT TOP OF UNIT WILL BE DIR FALL DOWN TO NS-11) AND DECKED ROADSIDE
THERE MAY BE SOME SMALL AREAS AT THE BOTTOM OF THE UNIT WHERE DIR FALL TO 1018 RD MAY BE EASIER
PART OF THE SOUTHERN BOUNDARY IS A PROPERTY LINE

WHY AREAS WERE DROPPED/EXCLUDED:

PREPARED BY B. HOFFMAN

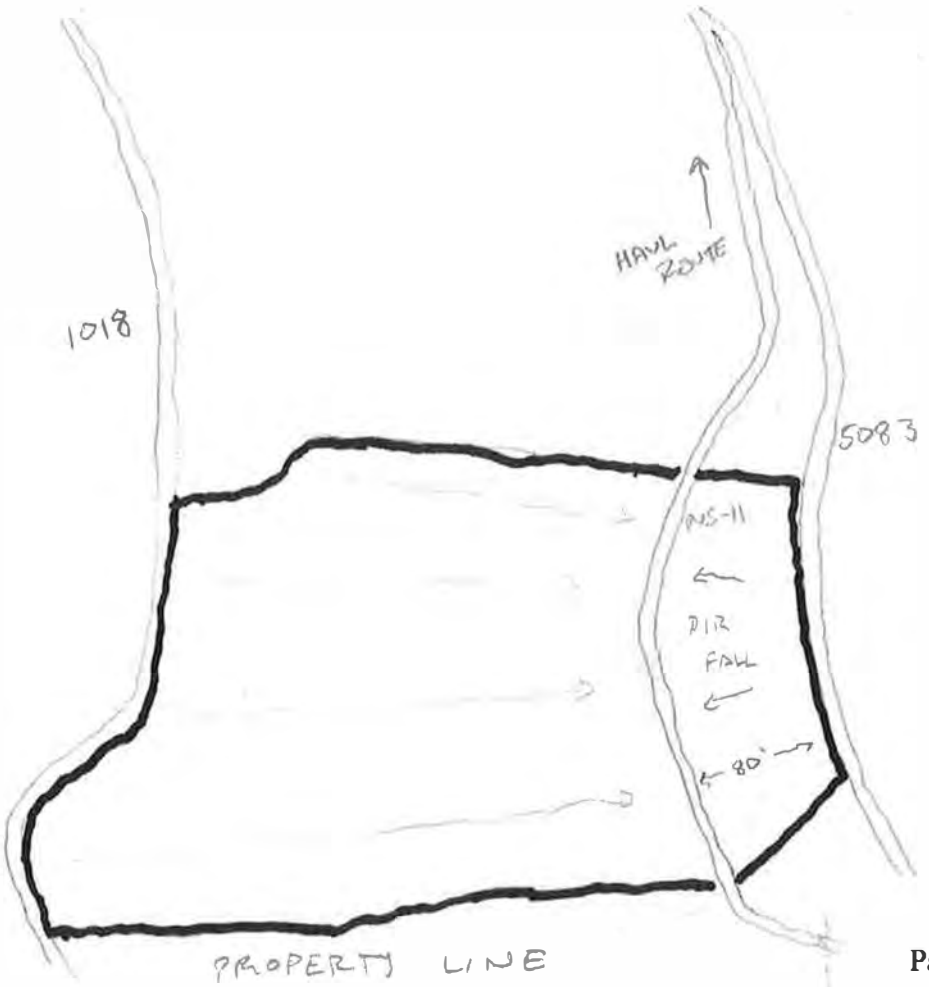
Date 10/17/23

MAP: **Unit #:** 96 13

Legend

Unit Boundary	T Tractor Logging
Yarding Direction – Skyline	F Forwarder/Cut to Length Logging
Yarding Direction - Tractor	S Skyline Logging
(1) Proposed Log Landing Location	Hel Helicopter Logging
Existing Road	J Jammer
Temporary Road (constructed/existing)	TL Track Line Machine
Stream Channel	Dir Directional Falling
Riparian Buffer	W Surface Water
	XXX Dropped Areas

N



For Informational Purposes Only

LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project 043

Harvest Unit #: 97
NEPA Unit #: 97
Estimated Acres: ~24
Prescription: INTERMEDIATE/IMPROVEMENT
MBF Removal/Acre: 4000
BA for unit by Species: DF 120 WL 80 PP 50
Mean DBH by Species: DF 16" WL 19" PP 22"

IMPROVEMENTS:

Survey Monuments / Location
Fences / Location
Other /

ROADS:

Haul Road #
Maintenance: ☐ Reconstruction: ☐
Remarks

Construction

Specified PROPOSED Length 2900'
Temporary FROM SE CORNER N TO LANDING Length 600'

RESOURCES:

Streams / Location
Springs / Location
Nests / Location
Other / Location

LOGGING SYSTEM:

Tractor: ☒ Forwarder/Cut-to-Length: ☐ Skyline: ☐ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100% TRACTOR

Logging System Specifics:

Percentage Uphill 0 Percentage Downhill 100%
Average Slope ~30% # of Landings 2
Max Yarding Distance / Directional Falling Yes ☐ No ☒ locate on map
Average Yarding Distance / Obstacles Yes ☐ No ☒ locate on map

COMMENTS:

UNIT 97 DESIGNATED FOR TRACTOR, BUT REDUCED IN SIZE FOR TERRAIN ISSUES (SEE BELOW). WHAT'S LEFT FOR TRACTOR IS FLAT ACRES IN THE S ½ MIDDLE PORTION, SLOPES UP PRETTY GOOD ON THE NW ½ N. SIDE, W/ A GOOD TRACTOR FINGER UP INTO THE NE CORNER. BRING ALL WOOD DOWN TO S/OR ACROSS FLAT MIDDLE SECTION TO 2 LANDINGS AS SHOWN ON MAP. 600' TEMP RD. NEEDED N. FROM BOTTOM CORNER TO LANDING #2. TIMBER IS A MIX OF GOOD-SIZED DF ½ WL, WITH A SIGNIFICANT COMPONENT OF PP UPSLOPE TO THE N. TERRAIN ON N SIDE SLOPES DOWN TO A BENCH; A LOW DRAW RUNNING E. TO W. BELOW IS ONLY A DRY DEPRESSION.

LAYOUT ADJUSTED SINCE RD PUT IN, SEE NEW MAP 09/09/22

WHY AREAS WERE DROPPED/EXCLUDED:

THE N. PORTION ABOVE PROPOSED SPEC. ROAD EXCEEDS 45% SLOPE FOR TRACTOR & SKID. THE PIECE OFF THE SW CORNER BOUNDED BY PROPOSED ROAD SLOPES STRAIGHT OFF; EXCALINER COULD GET IT BUT NOT TRACTOR.

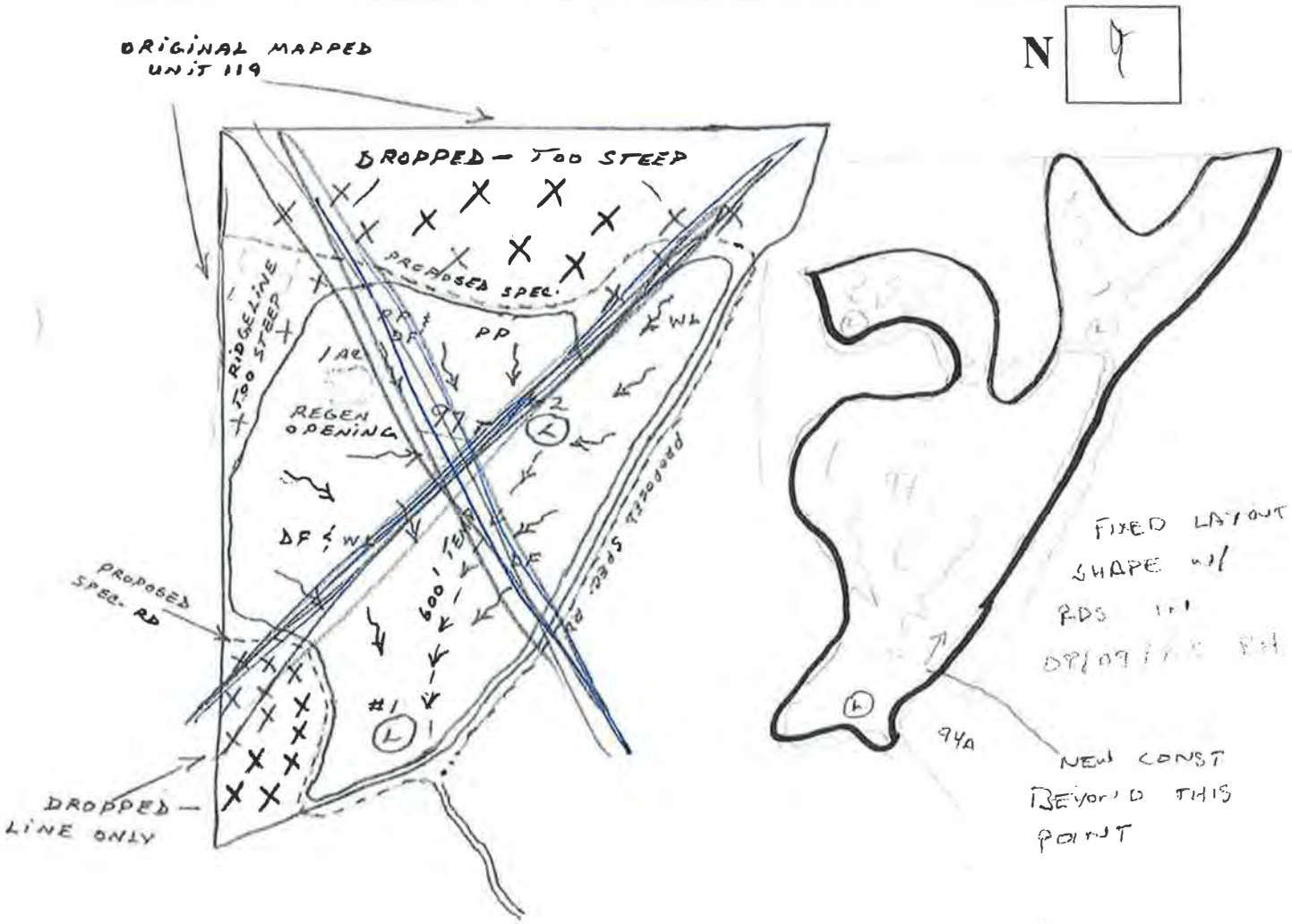
PREPARED BY G. VRANIZAN

Date 09/02/2022

MAP: **Unit #:** 97

Legend

Unit Boundary	T Tractor Logging
Yarding Direction – Skyline	F Forwarder/Cut to Length Logging
Yarding Direction - Tractor	S Skyline Logging
(1) Proposed Log Landing Location	Hel Helicopter Logging
Existing Road	J Jammer
Temporary Road (constructed/existing)	TL Track Line Machine
Stream Channel	Dir Directional Falling
Riparian Buffer	W Surface Water
	XXX Dropped Areas



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project JACKSON BU 3

Harvest Unit #: 100
NEPA Unit #:
Estimated Acres: 25.5
Prescription: IMPROVEMENT
MBF Removal/Acre:
BA for unit by Species: DF: 100 PP: 80
Mean DBH by Species: DF: 13 PP: 15

IMPROVEMENTS:

Survey Monuments — Location —
Fences — Location —
Other

ROADS:

Haul Road # 5033, 4752 A

Maintenance: ☒ Reconstruction: ☒

Remarks POTENTIAL RECONSTRUCTION TO MAKE ROADS TO SPEC

Construction

Specified — Length
Temporary TEMP 1 Length 1600 FT
TEMP 2 200 FT

RESOURCES:

Streams — Location —
Springs — Location —
Nests — Location —
Other — Location —

LOGGING SYSTEM:

Tractor: ☐ Forwarder/Cut-to-Length: ☐ Skyline: ☒ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100 % SKYLINE

Logging System Specifics:

Percentage Uphill	100	Percentage Downhill	0
Average Slope	50	# of Landings	5
Max Yarding Distance	800	Directional Falling	Yes ☐ No ☒ locate on map
Average Yarding Distance	200	Obstacles	Yes ☐ No ☒ locate on map

COMMENTS:

UNIT BROKEN INTO TWO DISTINCT STANDS, SPARSER PONDEROSA DOMINATED AND THICKER DOUG FIR DOMINATE. PINE SHOULD BE THINNED WHEN DOMINATE SPECIES.
TEMP 1 ROAD IS ALONG AN EXISTING PRISM, IT WILL NEED MORE WORK THE FARTHER YOU GO BUT WITHOUT M MASS OF THIS UNIT ABOVE ROAD 5033 BECOMES UNFEASIBLE DUE TO BLIND LEADS.
TEMP 2 ROAD IS AN EXISTING UNLABELED ROAD THAT MIGHT NEED MAINTENANCE

* OK TO LINE THROUGH EXCLUSION IF NECESSARY

WHY AREAS WERE DROPPED/EXCLUDED:

AREAS DROPPED DUE TO BLIND LEADS AND INACCESSABILITY

PREPARED BY DYLAN MONTOYA

Date 8/23/2022

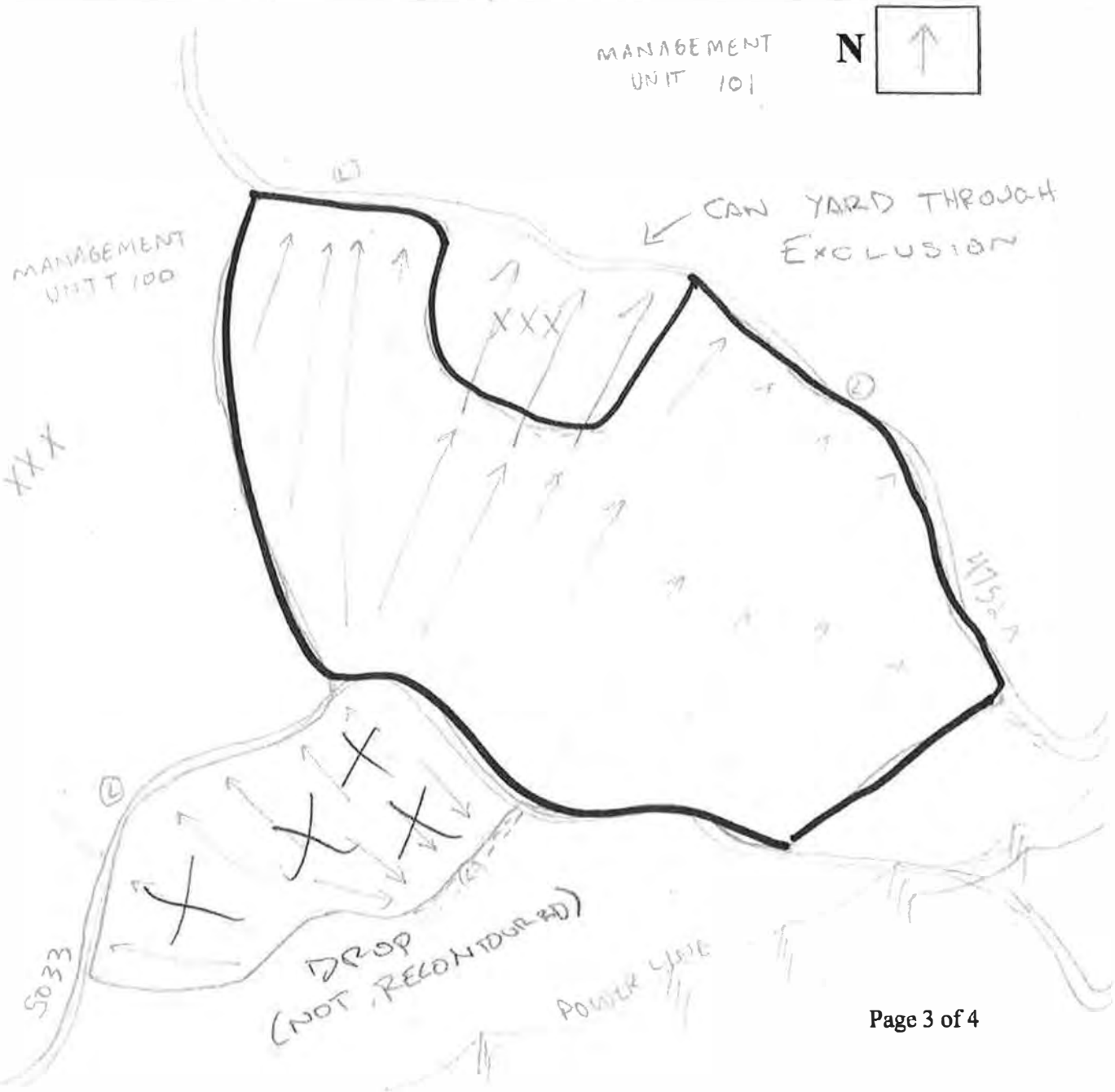
For Informational Purposes Only

MAP; Unit #: 106

Legend

- Unit Boundary
- Yarding Direction – Skyline
- Yarding Direction - Tractor
- (1) Proposed Log Landing Location
- Existing Road
- Temporary Road (constructed/existing)
- Stream Channel
- Riparian Buffer

- T Tractor Logging
- F Forwarder/Cut to Length Logging
- S Skyline Logging
- Hel Helicopter Logging
- J Jammer
- TL Track Line Machine
- Dir Directional Falling
- W Surface Water
- XXX Dropped Areas



Unit # 100

EXISTING CONDITION of the > 5" DBH – RX

Total unit BA/acre (>5" DBH):

Species	% of total BA of > 5" DBH	% BA - Small size (5-10") % BA – Medium size (10-15") % BA – Large size (>10")	Insect and Disease issues	Concerns
PP	50	SM: 10 MD: 40 LG: 50	—	
WL	—	—	% WL with mistletoe	
DF	50	SM: 20 MD: 50 LG: 30	—	
LPP	—	—	—	
Other	—	—	—	

Suggested designation: _____

For Informational Purposes Only

LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project Jackson/OU3

Harvest Unit #: 101
NEPA Unit #: 101
Estimated Acres: 20
Prescription: Improvement
MBF Removal/Acre: 3
BA for unit by Species: DF - 60 ; PP - 40 ; WL - 10
Mean DBH by Species: DF - 12 ; PP - 16 ; WL 10

IMPROVEMENTS:

Survey Monuments _____ Location _____
Fences _____ Location _____
Other property line needs refresh

ROADS:

Haul Road # 4752 A
Maintenance: ☒ Reconstruction: ☐
Remarks Torn up from old private land sales

Construction

Specified _____ Length _____
Temporary North end of sale Length 75 - 100 ft

RESOURCES:

Streams _____ Location _____
Springs _____ Location _____
Nests _____ Location _____
Other _____ Location _____

LOGGING SYSTEM:

Tractor: ☒ Forwarder/Cut-to-Length: ☐ Skyline: ☐ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100% Tractor

Logging System Specifics:

Percentage Uphill 50% Percentage Downhill 50%
Average Slope 35% # of Landings 3
Max Yarding Distance _____ Directional Falling Yes ☒ No ☐ locate on map
Average Yarding Distance _____ Obstacles Yes ☐ No ☒ locate on map

COMMENTS:

The unit has 2 defined ridgelines that have the ability to be tractor logged. A temp road is proposed on the northern border of the unit to allow for an additional landing site and exit haul route. The Southern end of the unit will border a proposed system road as well as other units. There are areas of more open PP, as well as areas with smaller diameter dense DF.

UNIT 101 IS NOW SPLIT INTO TWO UNITS (101 N OF POWERLINE, 101A S OF POWER LINE)
EXCLUSION HAS NOW BEEN INCLUDED + E PORTION OF UNIT DROPPED.
OLD EXCAVATED SKID TRAILS SHOULD ALLOW FOR SKIDDING STEEPER PORTIONS ONTO RD.
BH 08/08/23 (SEE NEW MAP)

WHY AREAS WERE DROPPED/EXCLUDED:

Areas of steep terrain were dropped to maintain a tractor based logging system and to reduce adverse terrain on tractor ground.

E PORTION DROPPED DUE TO STEEP TERRAIN + NO ACCESS TO RD, OLD EXCLUSION NOW INCLUDED

PREPARED BY Camryn Peshut BRENT HOFFMAN

Date 8/22/22 08/08/23

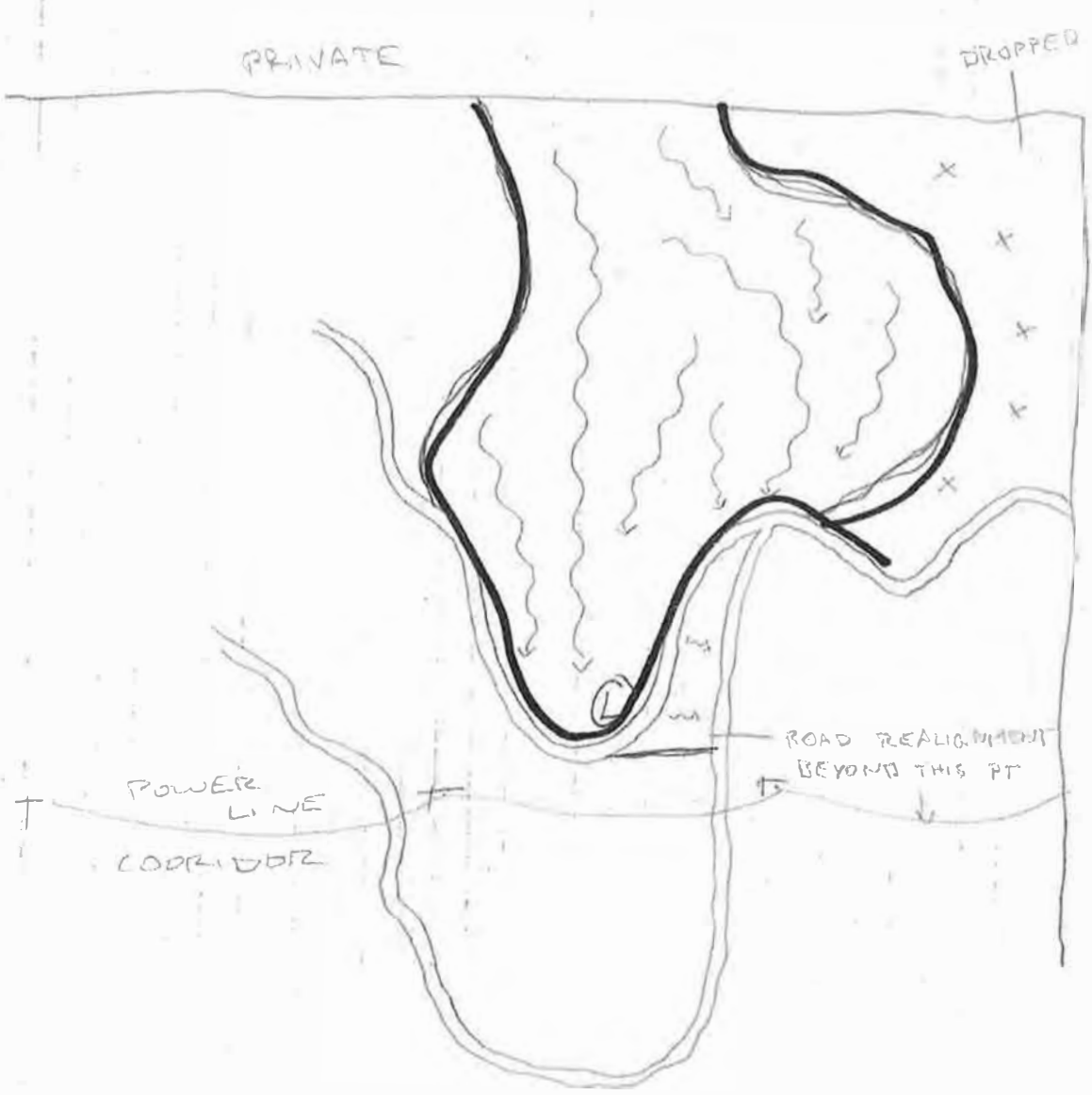
For Informational Purposes Only

SALE ADMINISTRATION NOTES:

U.101

NEW MAP 08/08/23

UNIT COMMENTS:



For Informational Purposes Only

LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project 013 - Jackson

Harvest Unit #: 102
NEPA Unit #: 102
Estimated Acres: 5
Prescription: Improvement
MBF Removal/Acre: 3
BA for unit by Species: 60 DF 20 WL 10 PP
Mean DBH by Species: 10-0 DF WL PP

IMPROVEMENTS:

Survey Monuments _____ Location _____
Fences _____ Location _____
Other Power Lines see vic map

ROADS:

Haul Road # 47524
Maintenance: ☒ Reconstruction: ☐
Remarks _____

Construction

Specified _____ Length _____
Temporary _____ Length _____

RESOURCES:

Streams N/A Location _____
Springs N/A Location _____
Nests N/A Location _____
Other _____ Location _____

LOGGING SYSTEM:

Tractor: ☐ Forwarder/Cut-to-Length: ☐ Skyline: ☒ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100

Logging System Specifics:

Percentage Uphill 100 Percentage Downhill 0
Average Slope 55 # of Landings 2
Max Yarding Distance 350 Directional Falling Yes ☐ No ☒ locate on map
Average Yarding Distance 200 Obstacles Yes ☐ No ☐ locate on map

COMMENTS:

small unit next to power lines
avoid setting tower too close
mechanical tail holds needed

WHY AREAS WERE DROPPED/EXCLUDED:

PREPARED BY Josef Kase

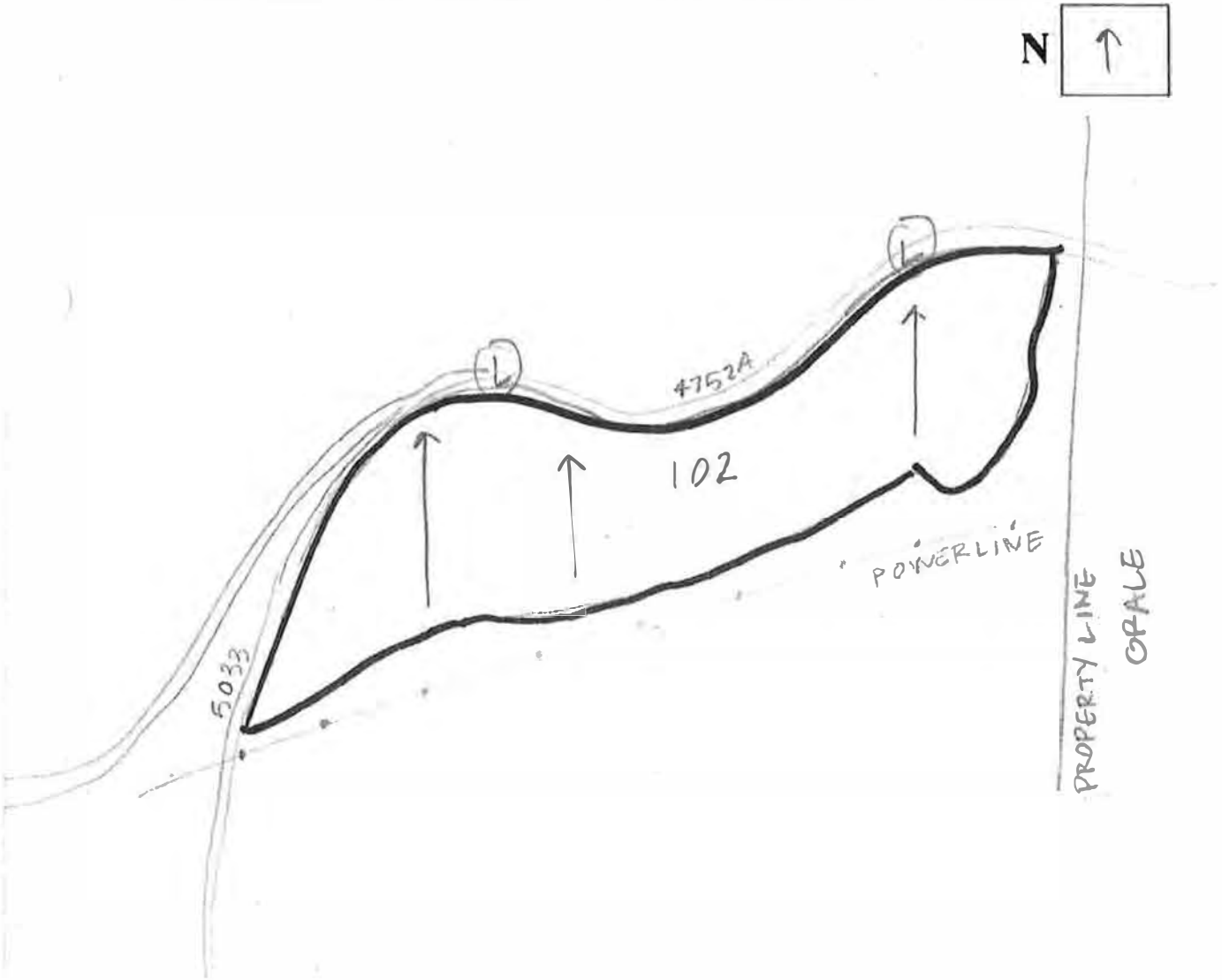
Date 8/22/22

For Informational Purposes Only

MAP: **Unit #:** 102

Legend

Unit Boundary	T Tractor Logging
Yarding Direction – Skyline	F Forwarder/Cut to Length Logging
Yarding Direction - Tractor	S Skyline Logging
(1) Proposed Log Landing Location	Hel Helicopter Logging
Existing Road	J Jammer
Temporary Road (constructed/existing)	TL Track Line Machine
Stream Channel	Dir Directional Falling
Riparian Buffer	W Surface Water
	XXX Dropped Areas



For Informational Purposes Only

LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project OUS Jackson

Harvest Unit #: 109
NEPA Unit #: 109
Estimated Acres: 21
Prescription: Seed Tree
MBF Removal/Acre: 5
BA for unit by Species:
Mean DBH by Species:

IMPROVEMENTS:

Survey Monuments N/A Location
Fences N/A Location
Other N/A

ROADS:

Haul Road # 9943 -> 4153
Maintenance: X Reconstruction: X
Remarks, Also use new system road, NS-9 (new construction)

Construction

Specified Yes NS-9 Length 600'
Temporary N/A Length

RESOURCES:

Streams N/A Location
Springs N/A Location
Nests N/A Location
Other N/A Location

LOGGING SYSTEM:

Tractor: ☐ Forwarder/Cut-to-Length: ☐ Skyline: ☐ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☒ % for each system: 100

Logging System Specifics:

Percentage Uphill 100 Percentage Downhill
Average Slope 50+ # of Landings 1
Max Yarding Distance Directional Falling Yes ☐ No ☒ locate on map
Average Yarding Distance Obstacles Yes ☐ No ☒ locate on map

COMMENTS:

Swing yarding (ORSY) required. South boundary is top of ridge. Swing logs to SW corner of unit to NE 9 road. DF dominant unit with decent PP + WH scattered throughout. Few small rock outcrops present on and near ridgetop.

WHY AREAS WERE DROPPED/EXCLUDED: —

PREPARED BY R. Tardif

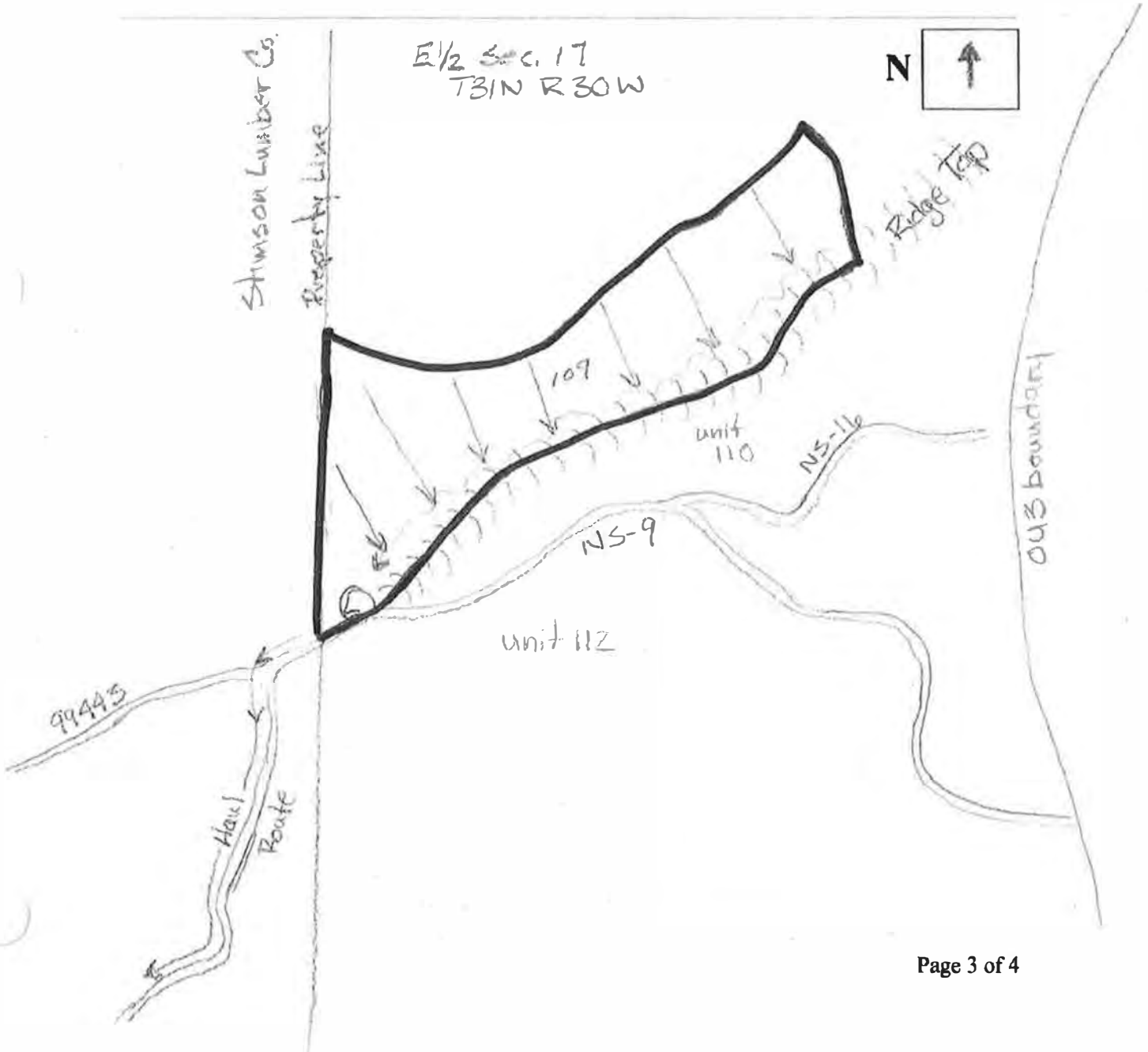
Date 6/8/23

For Informational Purposes Only

MAP: **Unit #:** 109

Legend

Unit Boundary	T Tractor Logging
Yarding Direction – Skyline	F Forwarder/Cut to Length Logging
Yarding Direction - Tractor	S Skyline Logging
(1) Proposed Log Landing Location	Hel Helicopter Logging
Existing Road	J Jammer
Temporary Road (constructed/existing)	TL Track Line Machine
Stream Channel	Dir Directional Falling
Riparian Buffer	W Surface Water
	XXX Dropped Areas



For Informational Purposes Only

LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project 013

Harvest Unit #: 112
NEPA Unit #: 112
Estimated Acres: 55
Prescription: Shelterwood / regeneration
MBF Removal/Acre: 5
BA for unit by Species:
Mean DBH by Species: 10-18"

IMPROVEMENTS:

Survey Monuments 0 Location
Fences 0 Location
Other 0

ROADS:

Haul Road # 99443
Maintenance: ☐ Reconstruction: ☐
Remarks

Construction

Specified Length
Temporary Length

RESOURCES:

Streams 0 Location
Springs 0 Location
Nests 0 Location
Other 0 Location

LOGGING SYSTEM:

Tractor: ☐ Forwarder/Cut-to-Length: ☐ Skyline: ☒ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system:

Logging System Specifics:

Percentage Uphill Percentage Downhill
Average Slope 55% # of Landings
Max Yarding Distance 1400 Directional Falling Yes ☐ No ☐ locate on map
Average Yarding Distance 950 Obstacles Yes ☐ No ☐ locate on map

COMMENTS: Unit has good volume throughout. Logging is entirly dependant on wether the spec. rd gets built to the north.

There does not appear to be any old temp rd or excavated skid trails in unit, dispite what the map may say.

Eastern half of unit appears to have burned at low severity and trees are charred.

U.112 IS A SKYLINE UNIT. THE PROPOSED SPEC RD NS-9 IS THE NORTHERN BOUNDARY OF THE UNIT THE WHOLE UNIT WILL BE YARDED UP TO THE NS RD AND DECKED ROADSIDE

THIS UNIT CONSISTS OF MOSTLY DRY SITE DF WITH SOME SCATTERED PP + WL. THERE IS EVIDENCE OF DE FOOT ROT THROUGHOUT. RESIDUAL WILL CONSIST MOSTLY OF PP WITH THRIFTY DF FILLING IN THE GAPS

WHY AREAS WERE DROPPED/EXCLUDED: Western half has problems with getting wood out and had to be dropped. (AND EASTERN PORTION)

PREPARED BY Cde Oshrink B. HOFFMAN

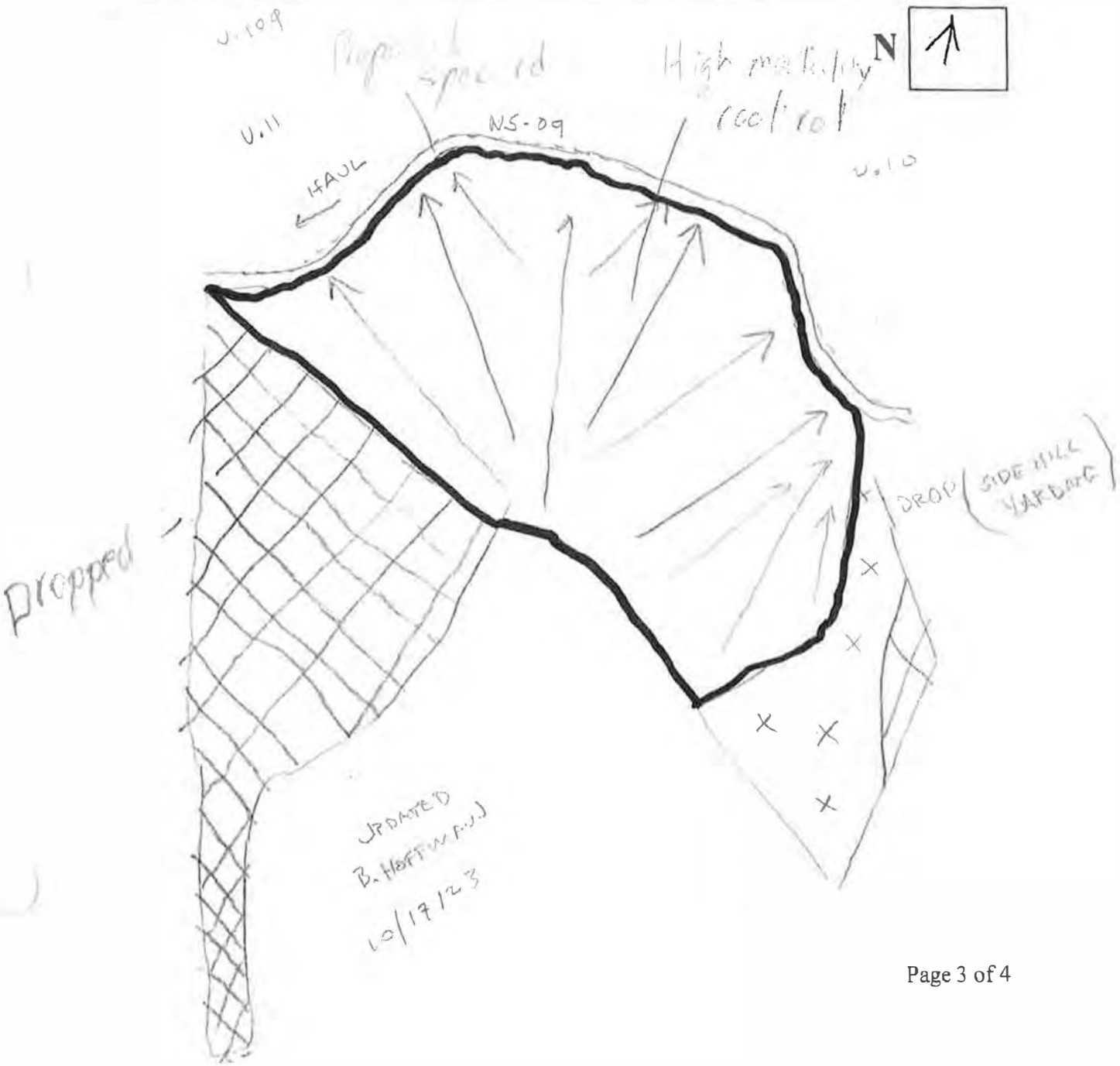
Date 9-6-22 10/17/23

MAP: **Unit #:** 11A

Legend

- Unit Boundary
- Yarding Direction – Skyline
- Yarding Direction - Tractor
- (1) Proposed Log Landing Location
- Existing Road
- Temporary Road (constructed/existing)
- Stream Channel
- Riparian Buffer

T	Tractor Logging
F	Forwarder/Cut to Length Logging
S	Skyline Logging
Hel	Helicopter Logging
J	Jammer
TL	Track Line Machine
Dir	Directional Falling
W	Surface Water
XXX	Dropped Areas



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project Area 56

Harvest Unit #: 113
NEPA Unit #: 113/86
Estimated Acres: 5
Prescription: CCR
MBF Removal/Acre: 4
BA for unit by Species: _____
Mean DBH by Species: _____

IMPROVEMENTS:

Survey Monuments: Yes — Location: N 1/4 corner Sec 17 T31N R30W
Fences: N/A — Location: corner not in unit, but is w/in 100 ft. of unit, just across road
Other: _____

ROADS:

Haul Road # 4753
Maintenance: ☐ Reconstruction: ☒
Remarks: _____

Construction

Specified: N/A — Length: _____
Temporary: N/A — Length: _____

RESOURCES:

Streams: N/A — Location: _____
Springs: N/A — Location: _____
Nests: N/A — Location: _____
Other: _____ — Location: _____

LOGGING SYSTEM:

Tractor: ☒ Forwarder/Cut-to-Length: ☐ Skyline: ☐ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100

Logging System Specifics:

Percentage Uphill: — Percentage Downhill: 100
Average Slope: 30 # of Landings: 1
Max Yarding Distance: 300 Directional Falling: Yes ☒ No ☐ locate on map
Average Yarding Distance: 300 Obstacles: Yes ☐ No ☒ locate on map

COMMENTS:

Most of Nepa unit 113 was dropped due to sustained slopes of 45%+. Only small portion above chicken foot juction is operable. Unit cuts out and includes small portion of unit 86 above 4753 road. Eastern most 500 ft of unit, above 4753 road, is just to open up stand for fuel break above cut slope. This will need directional felling.

DF primary species for removal

WHY AREAS WERE DROPPED/EXCLUDED:

Areas within Nepa units that were dropped from sale were left out due to steep slopes.

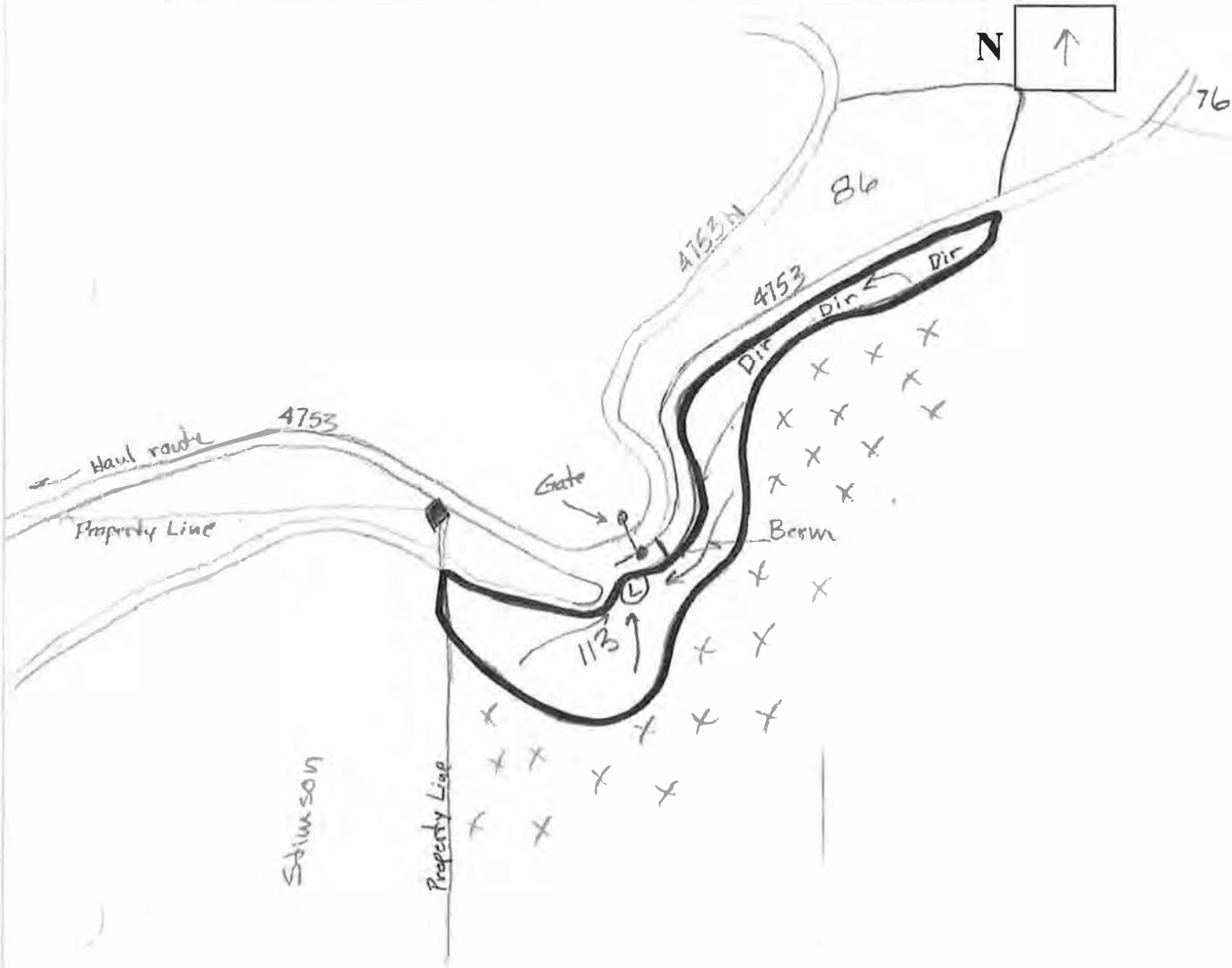
PREPARED BY R. Tardif

Date 5/9/23

MAP: **Unit #:** 113

Legend

Unit Boundary	
Yarding Direction – Skyline	
Yarding Direction - Tractor	
(L) Proposed Log Landing Location	
Existing Road	
Temporary Road (constructed/existing)	
Stream Channel	
Riparian Buffer	
T	Tractor Logging
F	Forwarder/Cut to Length Logging
S	Skyline Logging
Hel	Helicopter Logging
J	Jammer
TL	Track Line Machine
Dir	Directional Falling
W	Surface Water
XXX	Dropped Areas



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project 043

Harvest Unit #: 118
NEPA Unit #: 118
Estimated Acres: ~60
Prescription: IMPROVEMENT/INTERMEDIATE
MBF Removal/Acre: 4000
BA for unit by Species: DF 140 WL 40 PP 80
Mean DBH by Species: DF 15" WL 18" PP 18"

IMPROVEMENTS:

Survey Monuments / Location
Fences / Location
Other /

ROADS:

Haul Road #
Maintenance: ☐ Reconstruction: ☐
Remarks

Construction

Specified YES - PROPOSED NS 22 Length 1.6 Mi.
Temporary YES ✓ - TEMP. ALONG RIDGE Length 3400'

RESOURCES:

Streams ✓ Location
Springs ✓ Location
Nests ↓ Location
Other INTERMITTENT WATER Location E. SIDE DOWNSLOPE

LOGGING SYSTEM:

Tractor: ☐ Forwarder/Cut-to-Length: ☒ Skyline: ☐ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100

Logging System Specifics:

Percentage Uphill 20-30 Percentage Downhill 0
Average Slope 40% # of Landings 4
Max Yarding Distance 1100' Directional Falling Yes ☐ No ☒ locate on map
Average Yarding Distance 800' Obstacles Yes ☐ No ☒ locate on map

COMMENTS:

A GOOD-SIZED ~60 AC. SKYLINE UNIT. ACCESS WILL DEPEND ON CONSTRUCTION OF PROPOSED ROAD N22 AS SHOWN. TEMP. ROAD UP FROM S. END FOLLOWS RIDGE & OLD CAT LINE, SHOULD WORK BUT STEEP TOWARD THE VERY TOP. CURVES ALONG BOUNDARY, GOOD SETS ALL THE WAY UP. FULL SKYLINE YARDING TO 1100', GOOD TAILHOLDS PLENTIFUL ALL ALONG. BOTTOM PORTION WILL BE YARDED OFF NEW ROAD. TERRAIN LOOKS GOOD THROUGHOUT, NO MAJOR OBSTRUCTIONS. BOTTOM OF UNIT IE. EAST SIDE WAS BUFFERED OFF FOR INTERMITTENT WATER IN DRAW BELOW. TIMBER PREDOMINANTLY DF & PP 14"-30" WITH SOME WL 10"-24" DOWNSLOPE. BRUSHY TOWARD BOTTOM BUT OTHERWISE OPEN UNDER CANOPY.

WHY AREAS WERE DROPPED/EXCLUDED:

2 VERY SMALL AREAS ALONG E. EDGE DROPPED FOR SHARP CORNER, REGEN PATCH N. & S.E.-MOST CORNER ALL SPACED-OUT D. PINE.

PREPARED BY G. VRANIZAN & B. HOFFMAN

Date 09/02/2022 & 10/12/23

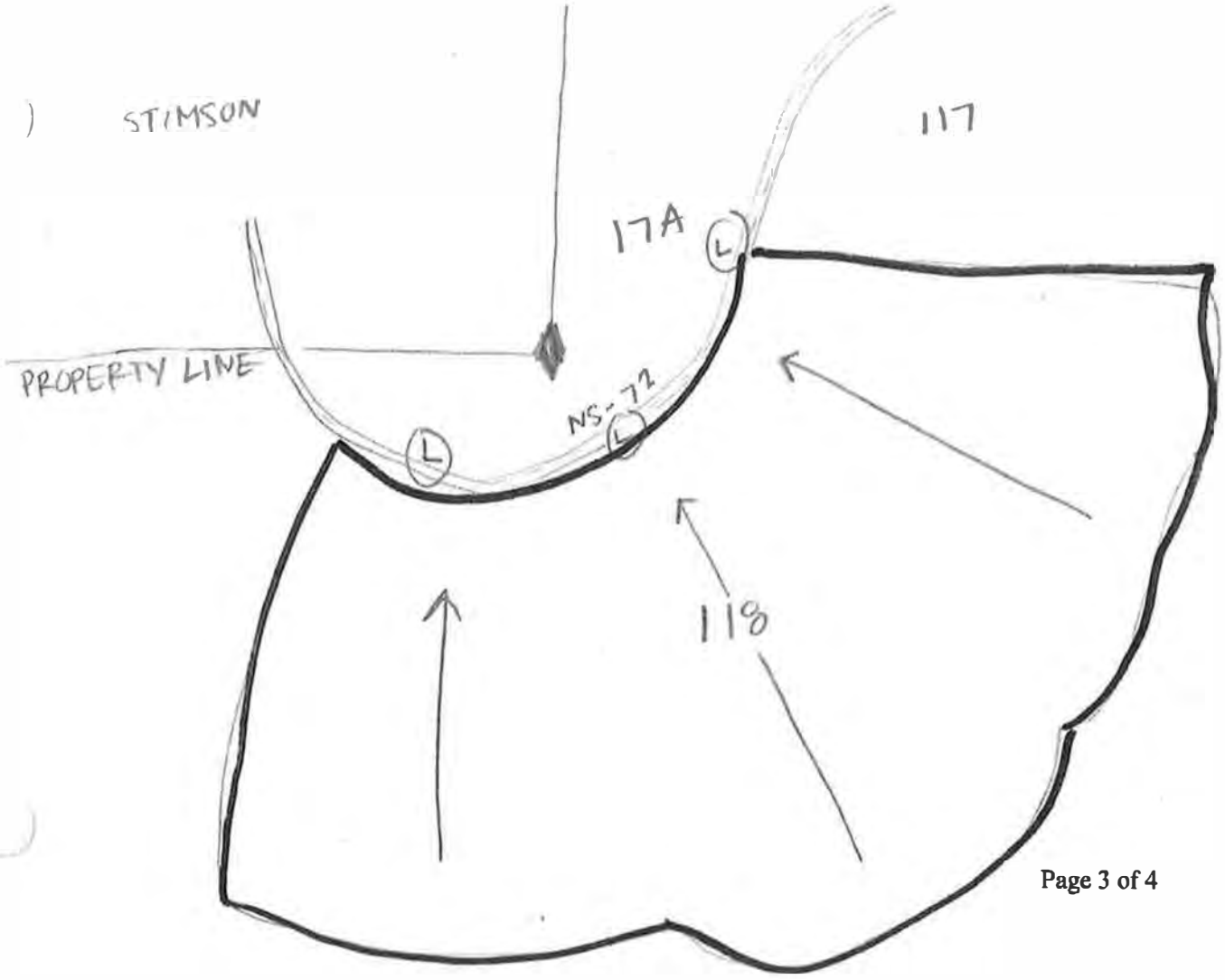
For Informational Purposes Only

MAP: **Unit #:** 118

Legend

Unit Boundary	T Tractor Logging
Yarding Direction – Skyline	F Forwarder/Cut to Length Logging
Yarding Direction - Tractor	S Skyline Logging
(L) Proposed Log Landing Location	Hel Helicopter Logging
Existing Road	J Jammer
Temporary Road (constructed/existing)	TL Track Line Machine
Stream Channel	Dir Directional Falling
Riparian Buffer	W Surface Water
	XXX Dropped Areas

N



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project 043 Mitchell Jackson

Harvest Unit #: 20
NEPA Unit #: 120
Estimated Acres: 20
Prescription: Improvement
MBF Removal/Acre:
BA for unit by Species:
Mean DBH by Species:

IMPROVEMENTS:
Survey Monuments Location
Fences Location
Other
ROADS:
Haul Road #
Maintenance: ☐ Reconstruction: ☐
Remarks

Construction
Specified NS-11 Length 0.13
Temporary Length

RESOURCES:
Streams Location
Springs Location
Nests Location
Other Location

LOGGING SYSTEM:

Tractor: ☒ Forwarder/Cut-to-Length: ☐ Skyline: ☐ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system:

Logging System Specifics:
Percentage Uphill Percentage Downhill
Average Slope 20-25% # of Landings 2
Max Yarding Distance Directional Falling Yes ☐ No ☐ locate on map
Average Yarding Distance Obstacles Yes ☐ No ☐ locate on map

COMMENTS:

- large PP w/ DL
- old blue paint
- denser in bottom of unit
- Drain on both sides w/ riparian veg.

WHY AREAS WERE DROPPED/EXCLUDED:

PREPARED BY R. Tardiff + B. Hoffman

Date 10/31/22

For Informational Purposes Only

LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project OU3- Mitchell Jackson

Harvest Unit #: 122
NEPA Unit #: 122
Estimated Acres: 12
Prescription: Improvement
MBF Removal/Acre: 4
BA for unit by Species: 70 PP 20 DF 10 WL
Mean DBH by Species: 15 10 13

IMPROVEMENTS:
Survey Monuments Location
Fences Location
Other OU3 EPA Boundary

ROADS:
Haul Road #
Maintenance: ☐ Reconstruction: ☐
Remarks

Construction
Specified NS 10 Length 0.01
Temporary Length

RESOURCES:
Streams Location
Springs Location
Nests Location
Other Location

LOGGING SYSTEM:

Tractor: ☐ Forwarder/Cut-to-Length: ☐ Skyline: ☒ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system:

Logging System Specifics:
Percentage Uphill 100% Percentage Downhill
Average Slope 100% # of Landings 2
Max Yarding Distance 700ft+ Directional Falling Yes ☐ No ☐ locate on map
Average Yarding Distance 400ft Obstacles Yes ☐ No ☐ locate on map

COMMENTS:

- Northern portion of unit ties in with the NS 10 road.
- Relatively open unit, large PP
- recent fire in NE portion

WHY AREAS WERE DROPPED/EXCLUDED:

PREPARED BY L. Delong + B Hoffman

Date 10/2/23

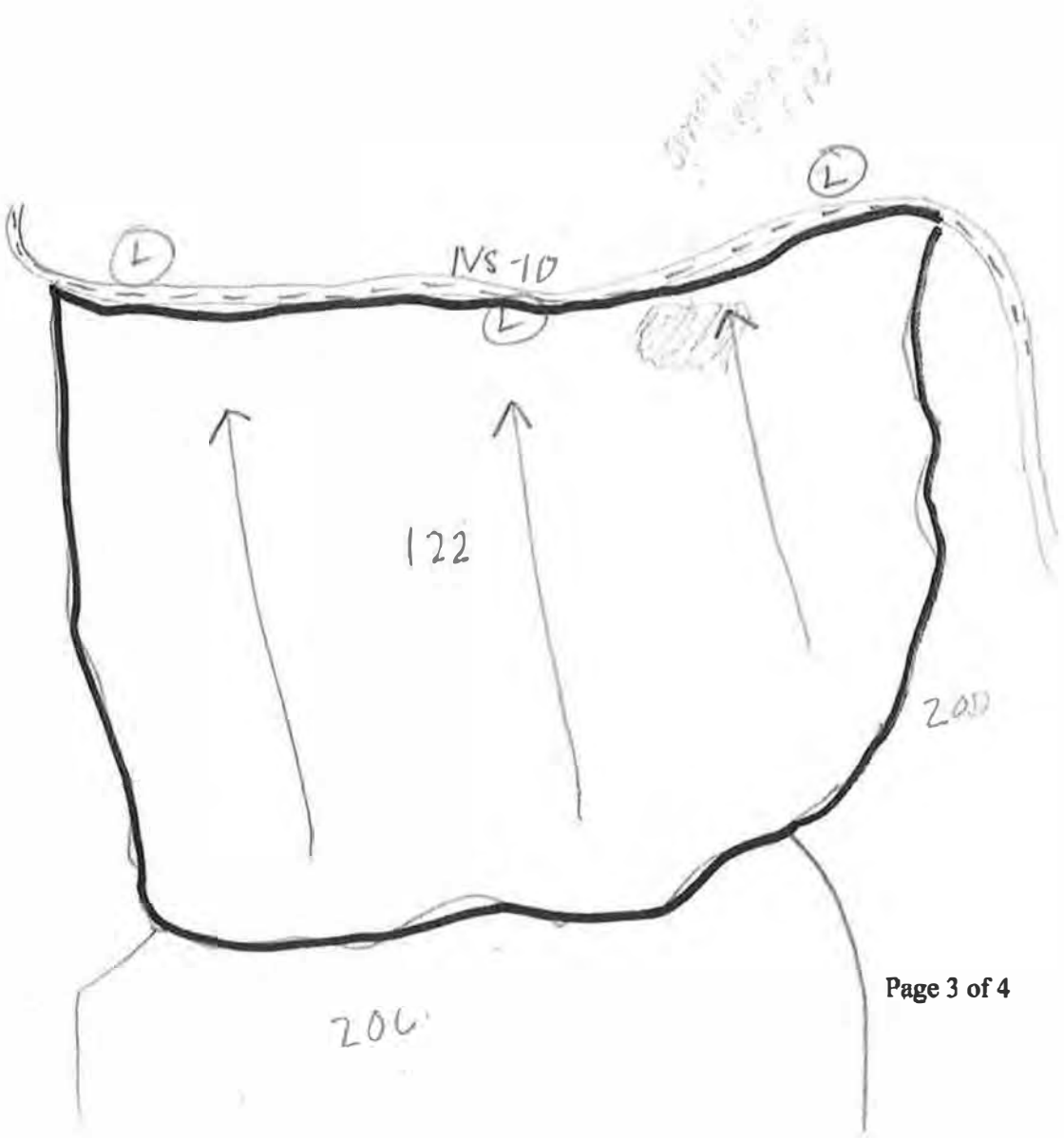
For Informational Purposes Only

MAP: **Unit #:** 122

Legend

Unit Boundary	T Tractor Logging
Yarding Direction – Skyline	F Forwarder/Cut to Length Logging
Yarding Direction - Tractor	S Skyline Logging
(1) Proposed Log Landing Location	Hel Helicopter Logging
Existing Road	J Jammer
Temporary Road (constructed/existing)	TL Track Line Machine
Stream Channel	Dir Directional Falling
Riparian Buffer	W Surface Water
	XXX Dropped Areas

N



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LOGGING SYSTEMS RECON & SALE UNIT LAYOUT WORKSHEET

Project 0113 Jackson

Harvest Unit #: 190
NEPA Unit #: 190
Estimated Acres: 18.3
Prescription: Shelter wood
MBF Removal/Acre: 4
BA for unit by Species:
Mean DBH by Specics:

IMPROVEMENTS:

Survey Monuments N/A Location
Fences Location
Other Boundry with SLC

ROADS:

Haul Road # 4756 & 4756E
Maintenance: ☒ Reconstruction: ☐
Remarks

Construction

Specified Length
Temporary Length

RESOURCES:

Streams N/A Location
Springs N/A Location
Nests N/A Location
Other N/A Location

LOGGING SYSTEM:

Tractor: ☐ Forwarder/Cut-to-Length: ☐ Skyline: ☒ Helicopter: ☐ Jammer: ☐

Track Line Machine: ☐ % for each system: 100 %

Logging System Specifics:

Percentage Uphill 100 Percentage Downhill 0
Average Slope 50 # of Landings 2
Max Yarding Distance 800 Directional Falling Yes ☐ No ☒ locate on map
Average Yarding Distance 400 Obstacles Yes ☒ No ☐ locate on map

COMMENTS:

There is an area of directional falling above the lower road

Property line needs to be put in

2 PORTION DROPPED 08/04/23 BH
NO NEED FOR T-11 DUE TO ADOP
U.190 APPROX 11 ACRE SKYLINE UNIT UP MICHALS DRAW
RD.
UNIT CONSISTS MOSTLY OF DRY SITE DF ON A
HARD S ASPECT. MAIN RESIDUAL WILL BE PP AND
ANY MISTLETOE FREE LARCH

WHY AREAS WERE DROPPED/EXCLUDED:

dropped because of rock out crop and blind road

ADDITIONAL AREAS DROPPED DUE TO USE OF DIFFERENT
RD THAN REST OF UNIT (NOT COST EFFECTIVE OR
WORTH THE LOW VALUE TIMBER)

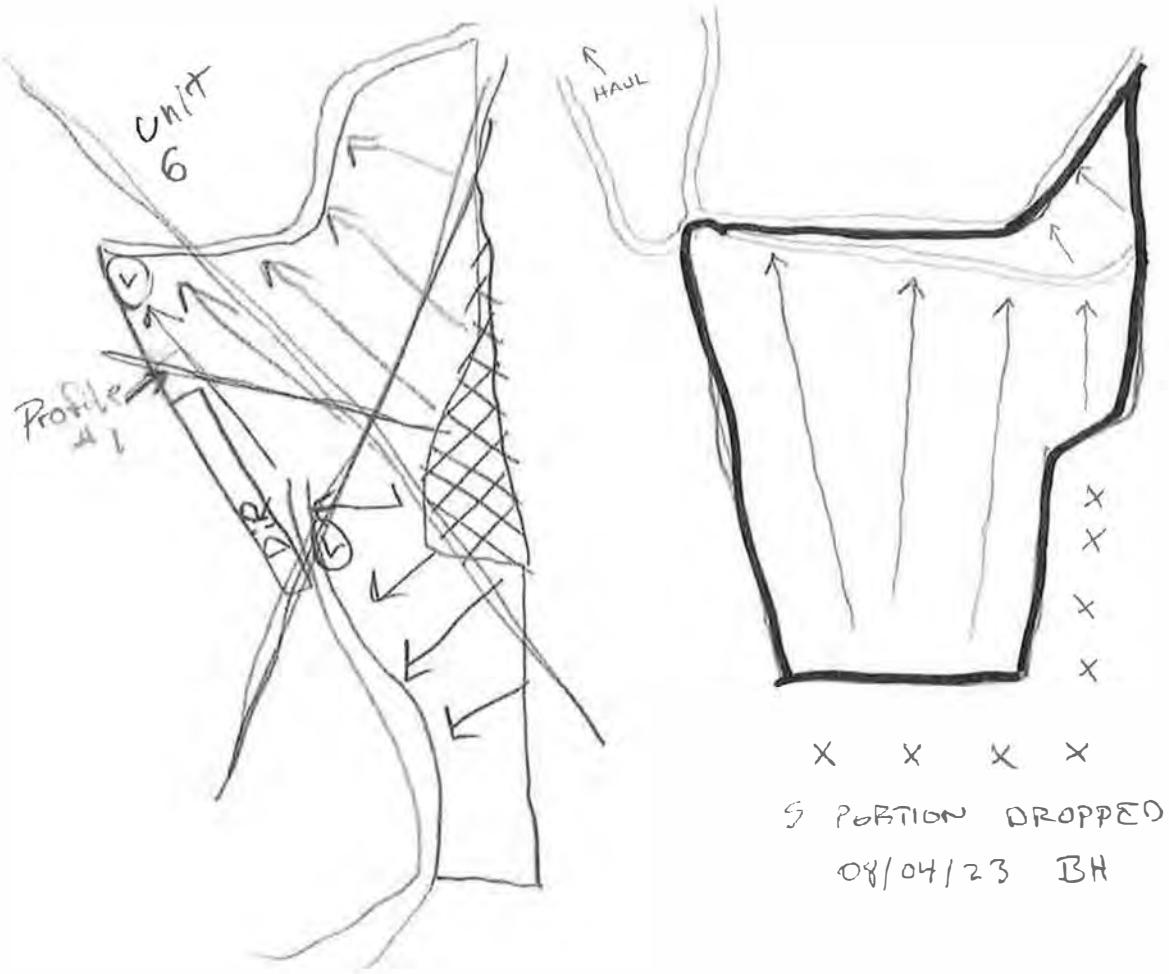
PREPARED BY Josef Kase BRENT HOFFMAN

Date 9/14/22 08/04/23

For Informational Purposes Only

MAP: **Unit #:** 190

Legend

Unit Boundary	T Tractor Logging
Yarding Direction – Skyline	F Forwarder/Cut to Length Logging
Yarding Direction - Tractor	S Skyline Logging
Proposed Log Landing Location	Hel Helicopter Logging
Existing Road	J Jammer
Temporary Road (constructed/existing)	TL Track Line Machine
Stream Channel	Dir Directional Falling
Riparian Buffer	W Surface Water
	XXX Dropped Areas

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