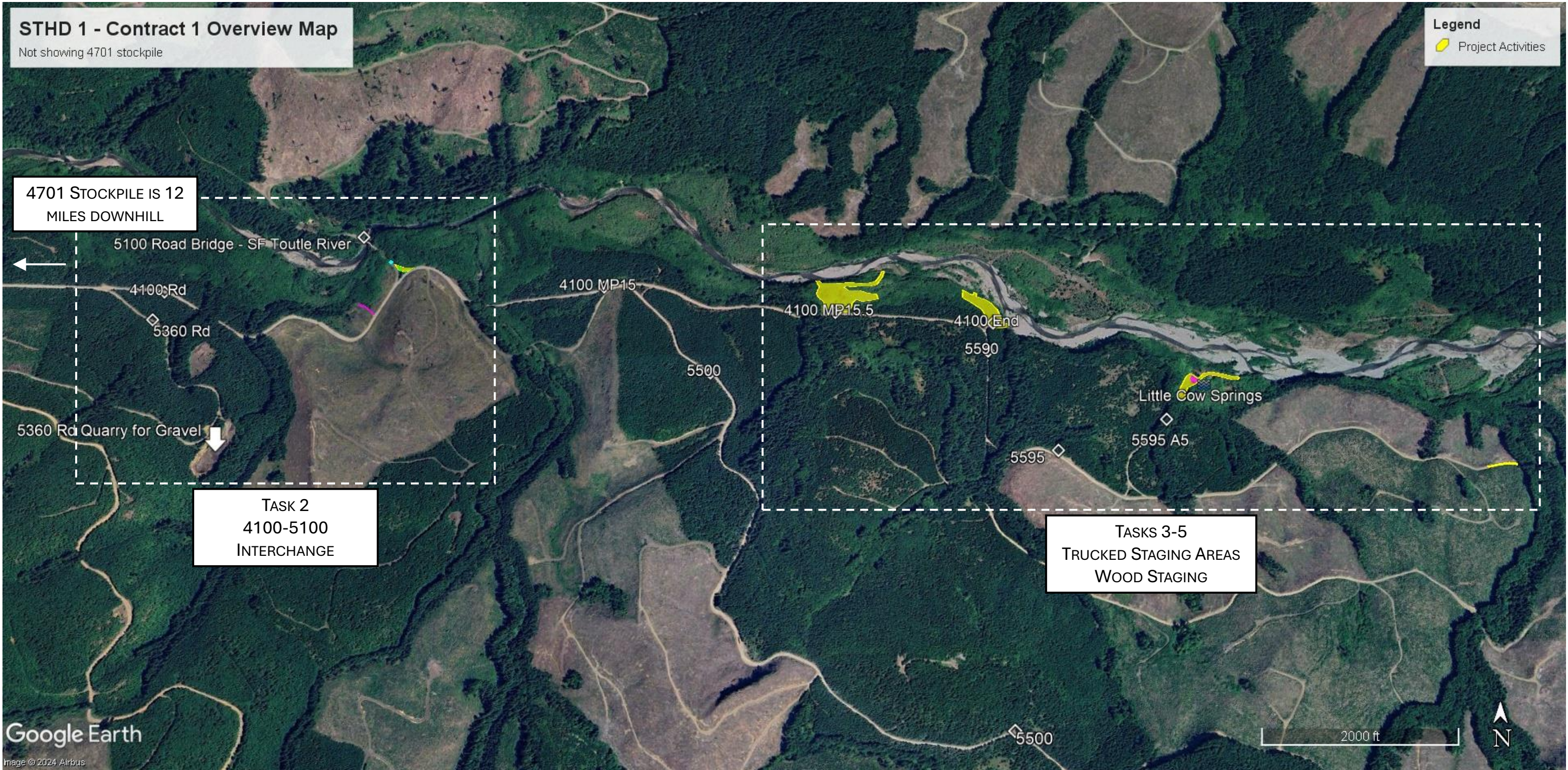
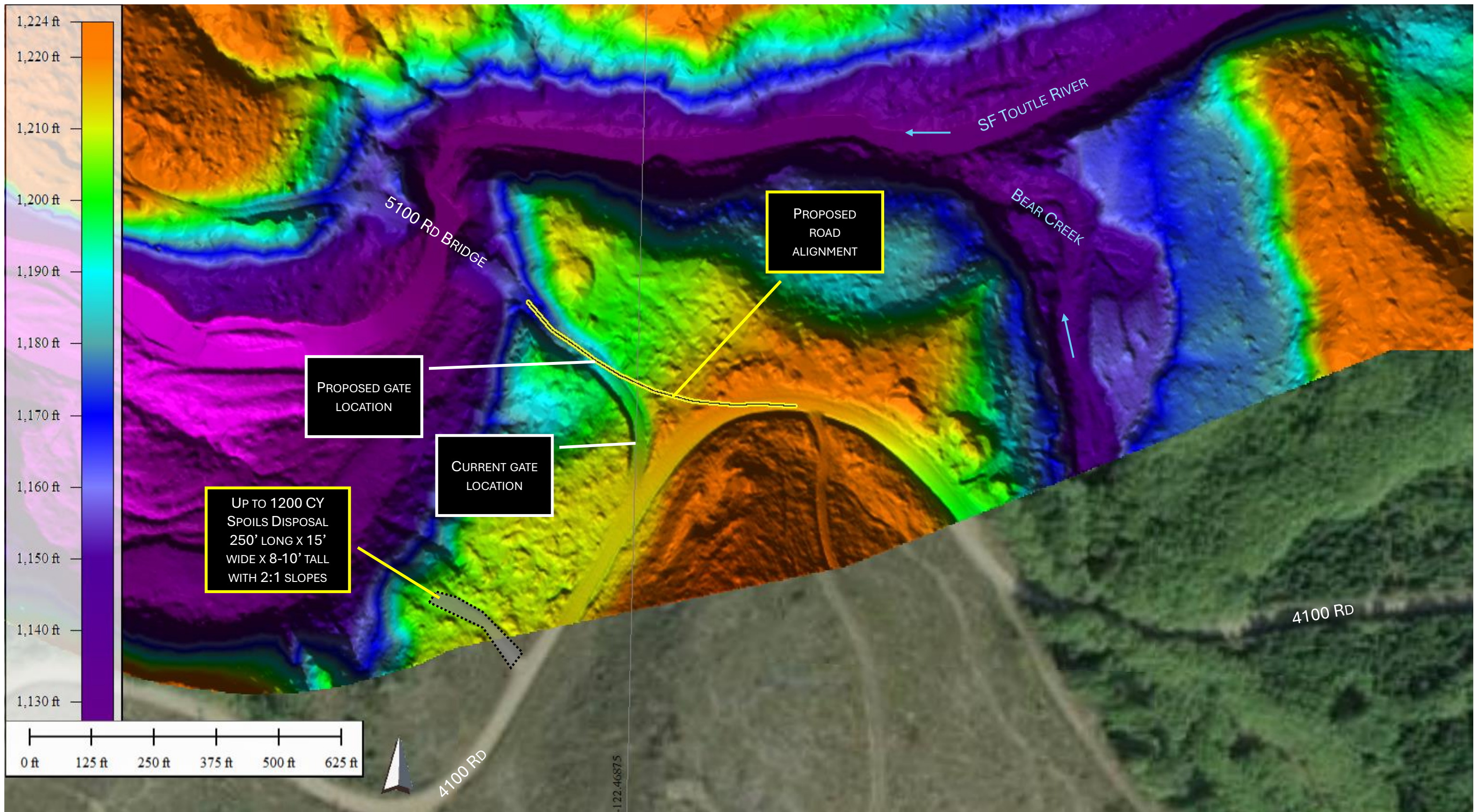


STHD 1
CONTRACT 1
LOWER COLUMBIA FISH ENHANCEMENT GROUP





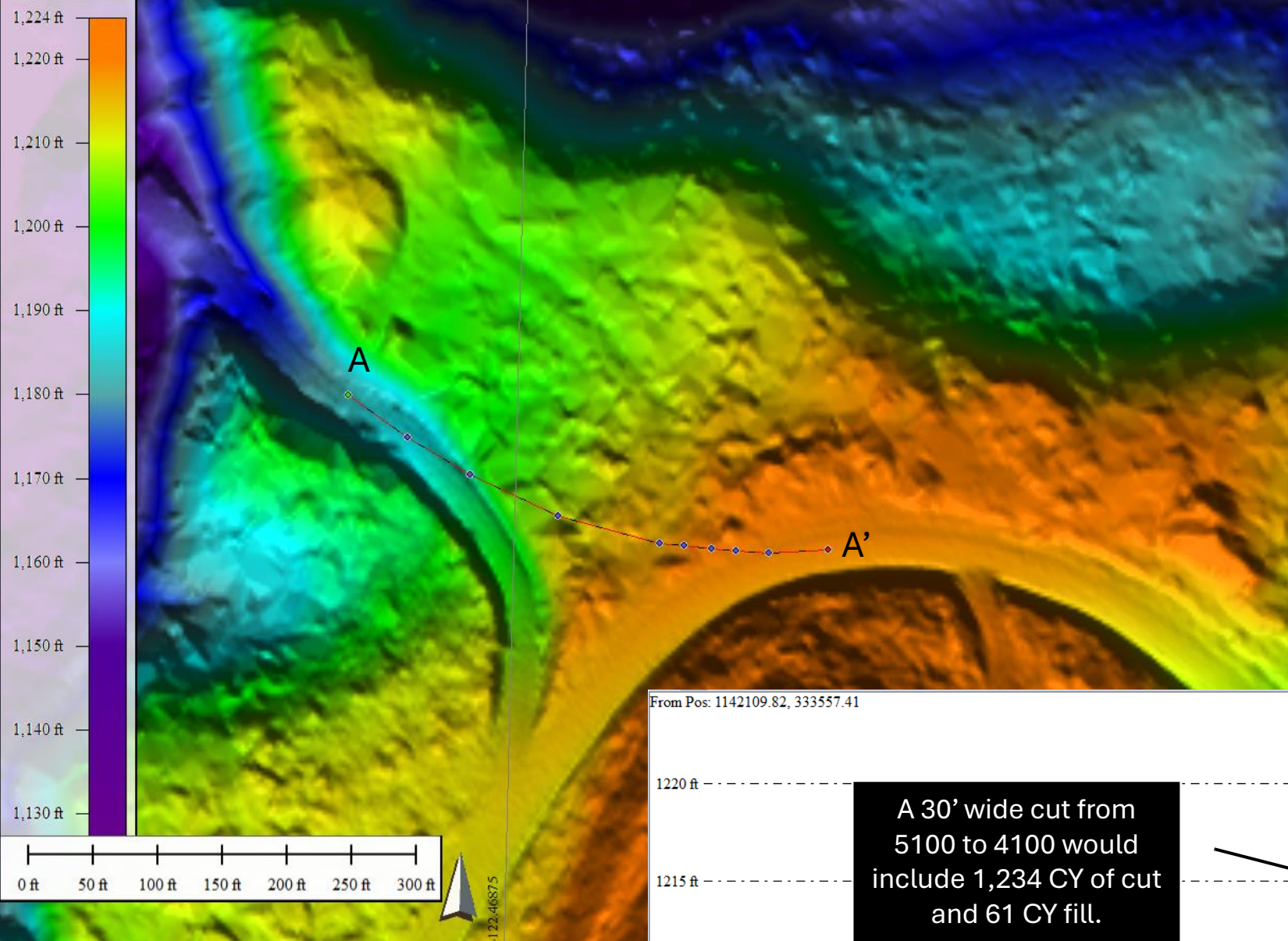
STHD 1
 CONTRACT 1
 TASK 2 – 4100-5100 RD INTERCHANGE

- NEW ROAD REQUIREMENTS:**
- 25' WIDE DRIVABLE WIDTH
 - SLOPED TO ONE SIDE TO ALLOW FOR RUNOFF
 - DITCH ON BOTH SIDES TO MEET FOREST PRACTICES REQUIREMENTS
 - ROCKED APPROPRIATELY BASED ON SLOPE AND GRAVEL AVAILABILITY
 - TRANSPORT TREES AND STUMPS REMOVED TO TRUCKED WOOD STAGING AREA #1

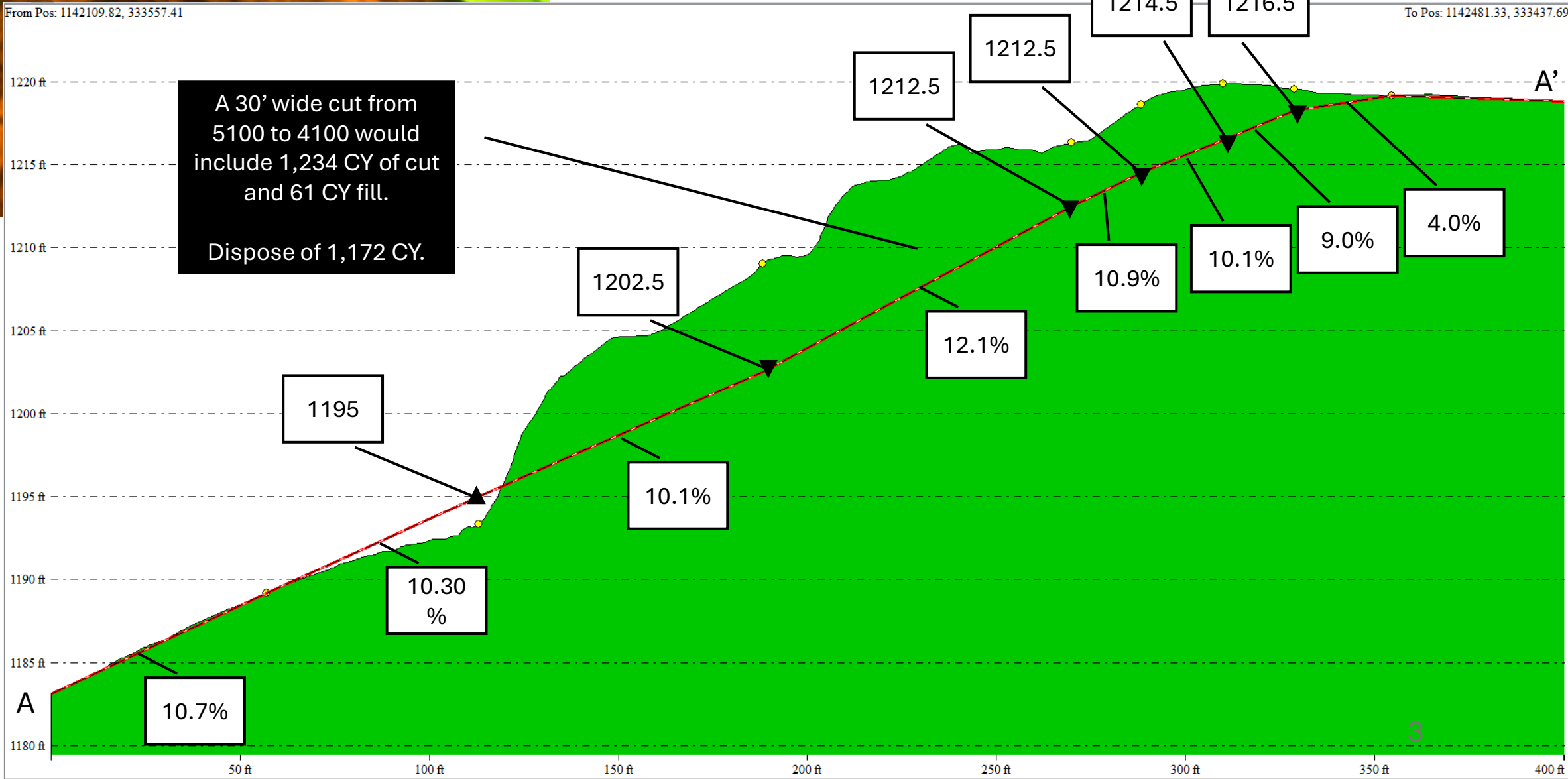
4100-5100 Road Interchange
 2022 lidar data analyzed with Global Mapper v21.0.1

On site flagging:

- Orange – centerline of excavation
- White/Red striped – extent of cultural resource survey






STHD 1
 CONTRACT 1
 TASK 2 – 4100-5100 RD
 INTERCHANGE



STHD 1 - Contract 1 Task 2

4100-5100 Road Interchange

Legend

-  1200 CY Spoils Disposal
-  4100-5100 Rd Interchange
-  5360 Rd Quarry for Gravel

UP TO 1200 CY
SPOILS DISPOSAL
250' LONG X 15' WIDE X 8-10'
TALL WITH 2:1 SLOPES. COVER
WITH STRAW.

5100 Road Bridge - SF Toutle River

4100 Rd

5360 Rd

WEYERHAEUSER IS DONATING
THE GRAVEL FOR THE NEW
ROAD. GRAVEL CAN BE FOUND
AT THE 5360 ROAD QUARRY.
THE QUARRY IS 1.25 MILES
FROM THE NEW ROAD.

5360 Rd Quarry for Gravel

Google Earth

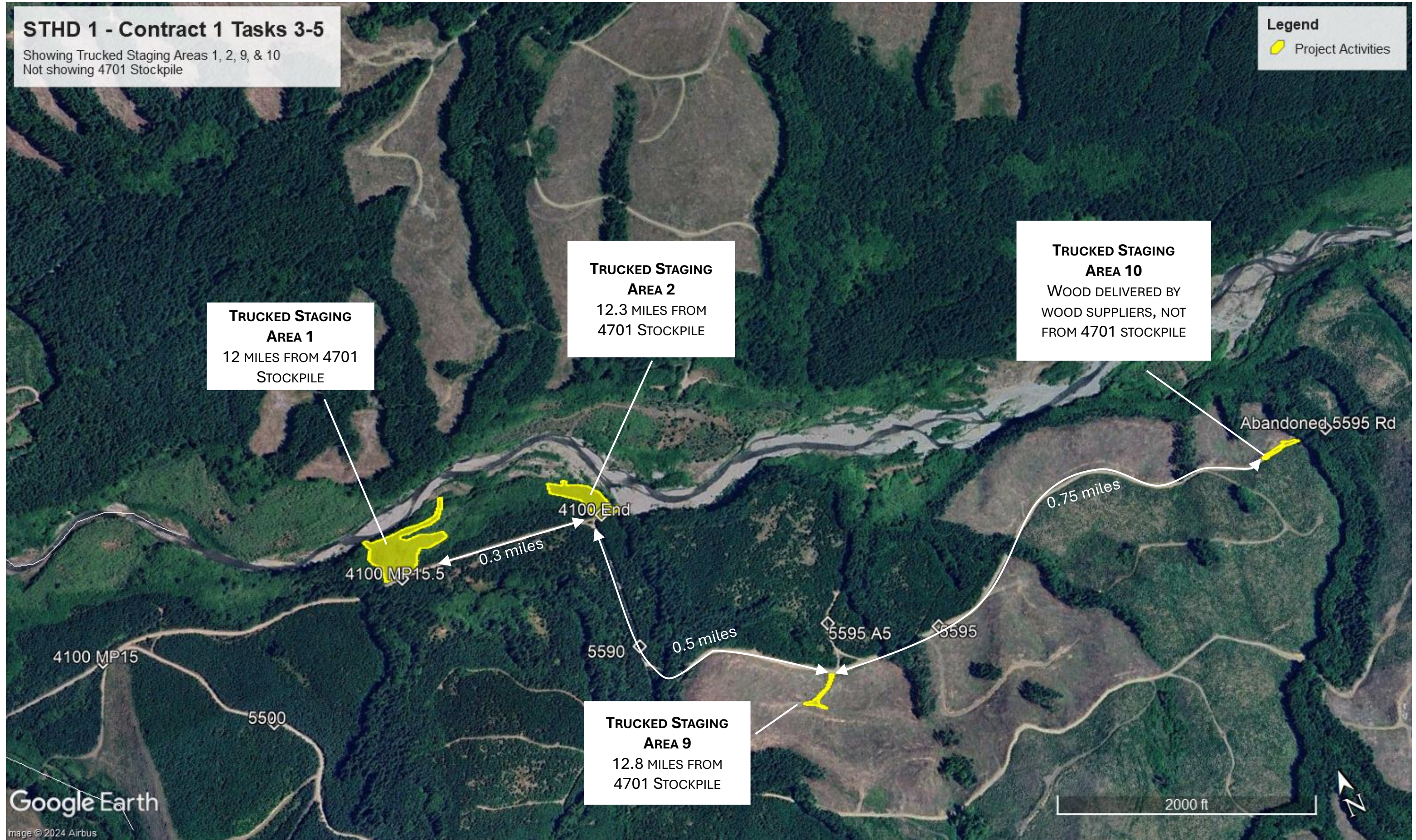
Image © 2024 Airbus



STHD 1 - Contract 1 Tasks 3-5

Showing Trucked Staging Areas 1, 2, 9, & 10
Not showing 4701 Stockpile

Legend
Project Activities



NOTE: TRUCKED STAGING AREAS 3-8 ARE ON THE NORTH SIDE OF THE RIVER. ALL IMPORTED ROOTWADS WILL BE STAGED ON THE SOUTH SIDE OF THE RIVER.

STHD 1 - Contract 1 Tasks 3-5

Trucked Staging Areas 1 and 2

STHD 1
CONTRACT 1
TASKS 3-5
TRUCKED STAGING AREAS 1 & 2

Plan Sheet	Trucked Staging Area	Lrg RWs 30-39" dbh		XL RWs 40-49" dbh		Super XL RWs >50" dbh		Sum:
		# needed	Source	# needed	Source	# needed	Source	
14	Trucked Staging Area 1	4	4701	2	4701	0		6
15	Trucked Staging Area 2	0		12	4701	6	4701	18
16	Trucked Staging Area 2	0		24	4701	11	4701	35

FOR **STAGING AREA 2**, CONTRACT 1 INCLUDES CREATING SPACE FOR TWO ISOLATED PILES OF ROOTWADS. ONE FOR PLAN SHEET 15 AND 16. **LABEL PILES WITH SPRAY PAINT.** PILES SHOULD BE OUT OF THE WAY AGAINST THE BUFFER NEXT TO THE WEYERHAEUSER TREES. ANY LOGS (NO ROOTS) FROM THE 4701 STOCKPILE >24" DBH SHOULD BE PILED HERE SEPARATELY. **46.229075, -122.442231**

WEYERHAEUSER'S TREES:
PILES SHOULD BE PLACED NO CLOSER THAN **30'** FROM WEYERHAEUSER'S HARVESTABLE TREES.

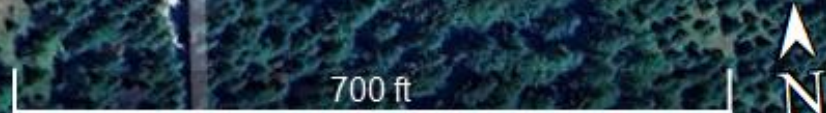
WETLAND – PREVENT ANY SEDIMENT RUNOFF INTO THIS ZONE

LEAVE A **50' BUFFER** BETWEEN THE EDGE OF THE TERRACE AND DISTURBED AREAS.

FOR **STAGING AREA 1**, CONTRACT 1 INCLUDES OPENING ENOUGH SPACE FOR 6 IMPORTED ROOTWADS. THEY SHOULD BE STAGED ON THE EAST SIDE OF THIS STAGING AREA FURTHEST FROM THE WETLAND ON THE TOP TERRACE. THEY SHOULD BE PILED NEATLY IN A SMALL FOOTPRINT WHERE THEY ARE OUT OF THE WAY. **46.229399, -122.449071**

Go

Image © 2024 Airbus



STHD 1 - Contract 1 Tasks 3-5

Trucked Staging Areas 9

STHD 1
CONTRACT 1
TASKS 3-5
TRUCKED STAGING AREA 9

Plan Sheet	Trucked Staging Area	Lrg RWs 30-39" dbh		XL RWs 40-49" dbh		Super XL RWs >50" dbh		Sum:
		# needed	Source	# needed	Source	# needed	Source	
17	Trucked Staging Area 9	10	4701	24	4701	2	4701	36
18	Trucked Staging Area 9	33	Already Staged (8) 4701 (23) HFI (2)	3	4701	0		36
19	Trucked Staging Area 9	31	HFI	0		0		31
20	Trucked Staging Area 9	5	HFI	0		0		5

DO NOT DAMAGE
WEYERHAEUSER FIR
TREES.

WEYERHAEUSER
CLEAR CUTS HAVE
BEEN REPLANTED. DO
NOT DAMAGE YOUNG
FIR TREES.

FOR STAGING **AREA 9**, CONTRACT 1
INCLUDES CREATING **4 ISOLATED PILES** OF
ROOTWADS. ONE FOR PLAN SHEETS 17,
18, 19, AND 20. THEY SHOULD BE
STAGED AS SHOWN WITH PLAN SHEET 17
AVAILABLE FIRST. **LABEL PILES WITH
SPRAY PAINT.**
46.223079, -122.438081



STHD 1 - Contract 1 Tasks 3-5

Trucked Staging Areas 10

STHD 1
 CONTRACT 1
 TASKS 3-5
 TRUCKED STAGING AREA 10

Plan Sheet	Trucked Staging Area	Lrg RWs 30-39" dbh		XL RWs 40-49" dbh		Super XL RWs >50" dbh		Sum:
		# needed	Source	# needed	Source	# needed	Source	
20	Trucked Staging Area 10	8	HFI	None	None	None	None	8
21	Trucked Staging Area 10	16	HFI (11) 5 not available					16
22	Trucked Staging Area 10	10	10 unavailable					10
23	Trucked Staging Area 10	18	18 unavailable					18

WEYERHAEUSER
 CLEAR CUTS HAVE
 BEEN REPLANTED. DO
 NOT DAMAGE YOUNG
 FIR TREES.

DO NOT DAMAGE
 WEYERHAEUSER FIR
 TREES.

FOR STAGING **AREA 10**, CONTRACT 1
 INCLUDES STAGING THE ROOTWADS IN THE
 ROAD STACKED **NO MORE THAN 2** HIGH.
 THESE ARE STAGED FOR HELICOPTER
 FLIGHT.
46.224535, -122.420653

Abandoned 5595 Rd



STHD 1 - Contract 1 Task 4

LCFEG LWD Stockpile

Legend
Project Activities

4 mile - 4100 Rd

HAUL ROUTE

4701 Road Staging Area

4700 Rd Gate

4701 Road

4700 Road

1000 ft



4701 WOOD STOCKPILE
46.292424, -122.639938

TASK 4 ACTIVITIES:

- LOAD ALL ROOTWADS FOR TRANSPORT TO TRUCKED STAGING AREAS
- LEAVE ALL LOGS LESS THAN 24" DBH
- UNLOAD DELIVERIES FROM HFI CONSULTANTS:
 - 10 XL ROOTWADS 40-49" DBH X 60' LONG W/ 10-12' FAN
 - 6 XL ROOTWADS 40-49" DBH X 40' LONG W/ 10-12' FAN
 - STACK NEATLY ON THE UPLAND SIDE OF THE 4701 ROAD
- BREAK UP GROUND, SPREAD 75 CY OF HOG FUEL, AND RAKE OUT 0.2 ACRES OF GROUND PREVIOUSLY USED FOR WOOD STAGING

**BREAK UP GROUND,
SPREAD 75 CY OF HOG
FUEL, AND RAKE OUT
FOR PLANTING:
0.2 ACRES**

**LARGE, XL, AND SUPER XL
ROOTWADS GET TRANSPORTED**

LOGS <24" DBH STAY

**PLACE DELIVERIES
FROM HFI
CONSULTANTS HERE**

LOGS <24" STAY

