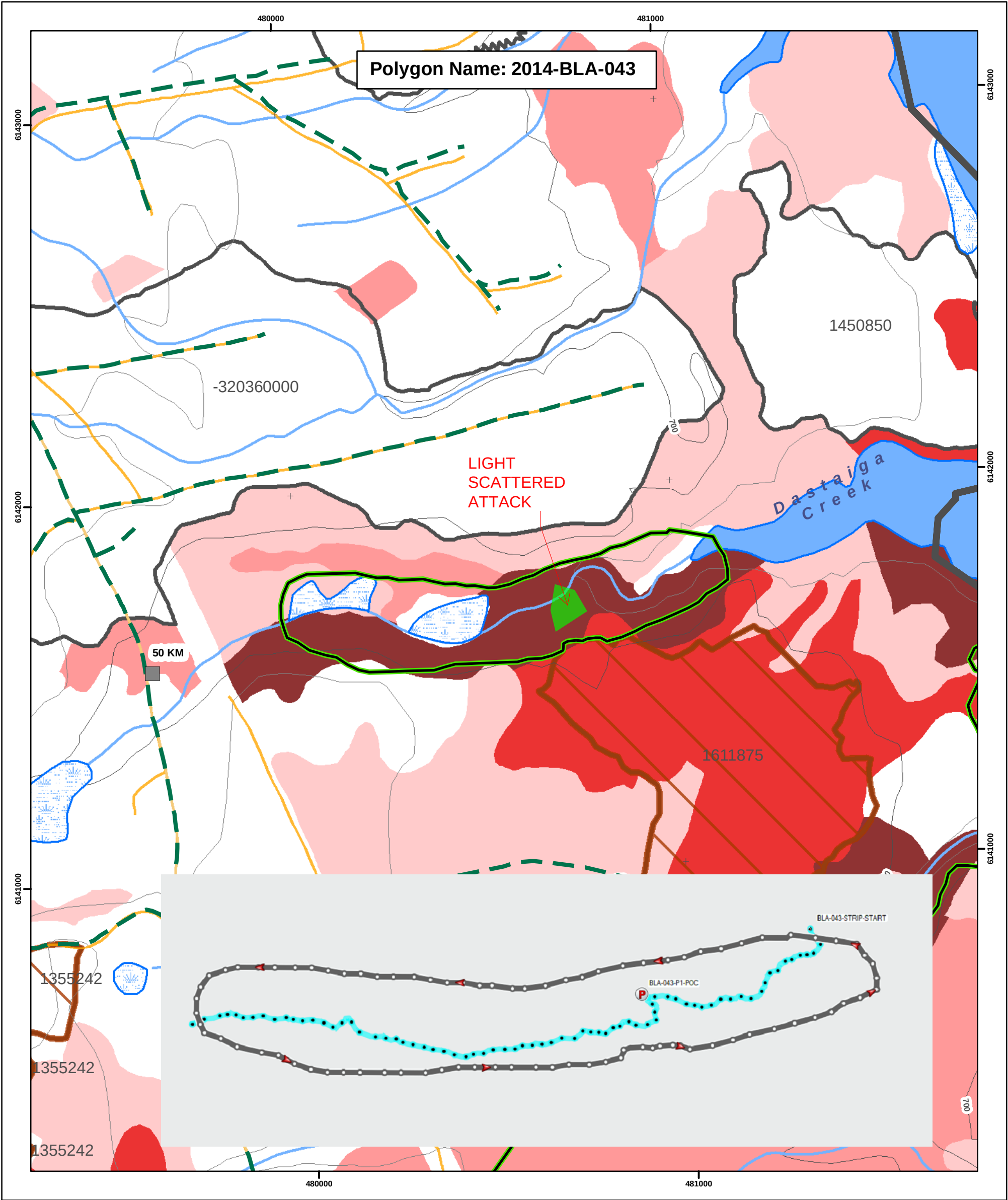




**Spruce Bark Beetle
Field Map**

Polygon Name: 2014-BLA-043

Landscape Unit/BMU: Blackwater
Region: Omineca
District: Mackenzie
Mapsheet: 093O06
Hectares: 25.03
Scale: 1:10,000
When plotted on 11x17
Coordinate System: PCS Albers
Datum: North American 1983
Date Drawn: 03/06/2015
Drawn By: msnively

Map Features

- Susceptible Spruce Bark Beetle Polygon
- 2013 SB Hazard Rating (20% increments)**
- Hazard Classes**
- Low/Med (21-40)
- Med (41-60)
- High (61-80)
- Very High (81-100)
- Cutting Permit
- RESULTS Opening
- Landscape Unit
- Road Permit Active
- Road Permit Pending
- Km_Marker_Points
- Communities

0 0.1 0.2 0.4 Kilometers

- First Nations Reserves
- Mackenzie District
- OGMA Legal Current
- Ungulate Winter Range
- Wildlife Habitat Area
- Protected Lands Designation**
- Ecological Reserve
- Protected Area
- Provincial Park
- Contour - Index
- Contour - Intermediate
- Streams
- Lakes and Rivers
- Wetlands

Disclaimer

The accuracy and completeness of the information on this map is not guaranteed.

Key Map

**SENECA ENTERPRISES LTD.**

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Phone: (250) 561-0890, Fax: (250) 564-3275

WALKTHROUGH DISTANCE:

1300**SPRUCE BARK BEETLE REPORT
FH16DMK010**POLYGON: **2014-BLA-043**

HECTARES:

25.03ESTIMATED INFESTED PIXELS FROM
WALKTHROUGH (Code 1-4)**1 7.7%****SUMMARY OF CURRENT INFESTATION**

Polygon 25 Hectares and has patches of swampy areas with little to no Spruce component. There was one Code 1 found and established a probe line near it. Also within area some Code 5's but Isolated tree found along probe line. Looks like a light scattered attack in a small area, moderate attack density shown on one single tree.

LIGHT SCATTERED ATTACK**ACCESS**

Access is from the west of [olygon from Finlay Main at 53km. Access to Polygon 400m down good ATV trail (Old Cutblock Road)

POLYGON FEATURES (Topography, Terrain, Timber Types, Age)

Polygon very swampy in areas and has a creek running the length of it (Dastaiga Creek) leading to Williston Lake. Mi of Spruce and Balsam in areas walked, 70% Spruce.

SIZE, BOUNDARY and PATTERN OF INFESTATION

On Walkthrough, 1 Code 1 found and Probe Line established to include it. Moderate Attack, very patchy infestation as only found one Code 1's amongst some older attack Code 5's

INCIDENCE AND SEVERITY OF ATTACK

Moderate Attack and Larval density from one Bark sample on the 1 tree found attacked.

RISK OF BEETLE SPREAD

Slow to spread, found one attacked tree amongst some code 5's/ Very lightly scattered attack, will likely further develop due to moderate attack density on tree. Cutblock to the north, Lake to the East

ACCESS, OPERABILITY and INTEGRATED RESOURCE MANAGEMENT ISSUES

Good access as within 400m of Finlay main. Older road/trail was used to ATV to Block.

RECOMMENDATIONS**OPTION 1****MONITOR**

One attacked tree represented in Walkthrough, may be more but of a lighter intensity as stand only has one concentrated area with some older attack within.

OPTION 2**PROBE/ FALL AND BURN**

May decide to do a combo treatment to grid probe as access good and do a sanitation treatment of Fall and Burn to remove perhaps a few trees.

2014-BLA-043

SPRUCE BEETLE WALKTHROUGH

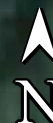
Legend

-  ISOLATED ATTACK (1 Code 1)
-  PROBE 1



Google earth

Image Landsat
© 2015 Google



600 m

SUMMARY OF ALL CARDS FS1111						NUMBER OF CARDS		1		
ACCESS -		Access is from the west of [olygon from Finlay Main at 53km. Access to Polygon 400m down good ATV trail (Old Cutblock Road)								
POLYGON FEATURES -		Polygon very swampy in areas and has a creek running the length of it (Dastaiga Creek) leading to Williston Lake. Mi of Spruce and Balsam in areas walked, 70% Spruce.								
DIAMETER CLASS	SURFACE AREA FACTOR	NUMBER OF HEALTHY HOSTS	BARK BEETLE CODE BY YEAR OF ATTACK						OTHER TREE SPECIES	
			2015		2014		2013			
			1	2	3	4	5	6	BL	AT
17.5-25.0	3.3	12	0	0	0	0	0	0	2	0
25.1-30.0	5.3	8	0	0	0	0	0	0	0	0
30.1-35.0	7.1	2	0	0	0	0	0	0	1	0
35.1-40.0	9.4	1	0	0	0	0	0	0	2	0
40.1-45.0	11.6	2	0	0	0	0	0	0	2	0
45.1-50.0	13.8	2	0	0	0	0	0	0	1	0
50.1-55.0	16.2	1	0	0	0	0	0	0	0	0
55.1-60.0	18.7	0	0	0	0	0	1	0	1	0
60.1 +	25.3	2	1	0	0	0	1	0	0	0
TOTALS		30	1	0	0	0	2	0	9	0
BARK SAMPLES 15 cm x 15 cm	NO. ENTRANC E HOLES	NO. PARENT ADULTS	NO. LARVAE	NO. PUPAE ADULTS	NO. CALLOW	FRESH (GREEN) BLOWDOWN				
						Attacked Y r		Y r Unattacked		
2	3	0	10	0	0	0	0	0	0	0
SIZE, BOUNDARY AND PATTERN OF THE INFESTATION										
On Walkthrough, 1 Code 1 found and Probe Line establised to include it. Moderate Attack, very patchy infestation as only found one Code 1's amongst some older attack Code 5's										
INCIDENCE AND SEVERITY OF THE INFESTATION										
Moderate Attack and Larval density from one Bark sample on the 1 tree found attacked.										
RISK OF BEETLE SPREAD										
Slow to spread, found one attacked tree amongst some code 5's/ Very lightly scattered attack, will likely further develop due to moderate attack density on tree. Cutblock to the north, Lake to the East										
ACCESS, OPERABILITY and INTEGRATED RESOURCE MANAGEMENT ISSUES										
Good access as within 400m of Finlay main. Older road/trail was used to ATV to Block.										
fgxhgf										

SPRUCE BEETLE PROBE CARD

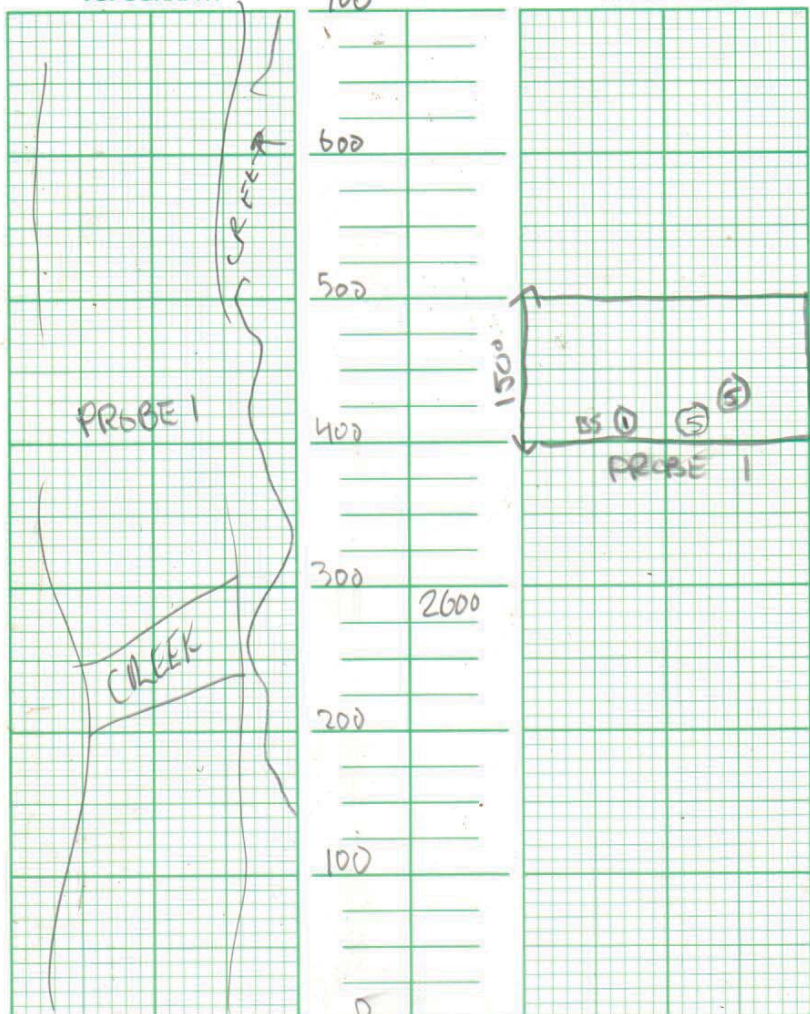
LOCATION BLA-043		0480734 6141723		PAGE OF					
BEARING 150°		DISTANCE 100m		STRIP WIDTH 10m					
DIAMETER CLASS	SURFACE AREA FACTOR	NUMBER OF HEALTHY HOSTS	BARK BEETLE CODE BY YEAR OF ATTACK						OTHER TREE SPECIES
			1	2	3	4	5	6	
17.5 - 25.0	3.3	1							BL
25.1 - 30.0	5.3	1							
30.1 - 35.0	7.1	1							
35.1 - 40.0	9.4	1							
40.1 - 45.0	11.6	1							
45.1 - 50.0	13.8	1							
50.1 - 55.0	16.2	1							
55.1 - 60.0	18.7	1							
60.1 +	25.3	1							
TOTALS		3	1					2	9
BARK SAMPLES 15cm x 15cm	NO. ENTRANCE HOLES	NO. PARENT ADULTS	NO. LARVAE	NO. PUPAE	NO. CALLOW ADULTS	FRESH (GREEN) BLOWDOWN			
						Attacked	Unattacked		
1A	2	1	7	1	1				
1B	1	1	3	1	1				
COMMENTS: ① - BS. - Heavy under story - creek nearby. Attack on 2 year cycle									
CREW NAMES						DATE			
JAMES K. / PAT. P						Y M D 15 10 26			

TOPOGRAPHY

STRIP No. 1

700

TIMBER TYPE

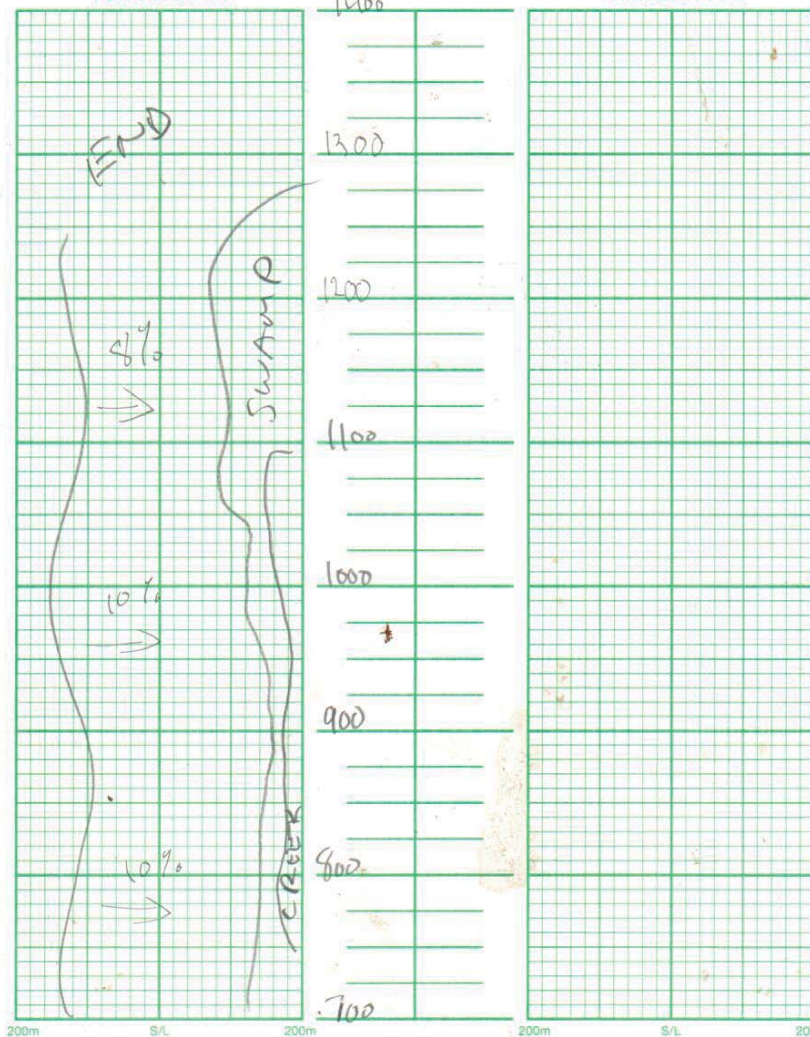


TOPOGRAPHY

STRIP No. 1

1400

TIMBER TYPE



STRIP NO.:

1

DIRECTION:

START STRIP:

700 - 1400

JOB NO.:

BLM-0413

DATE:

Oct 26, 15

CREW:

Pat Poirier

REMARKS:



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