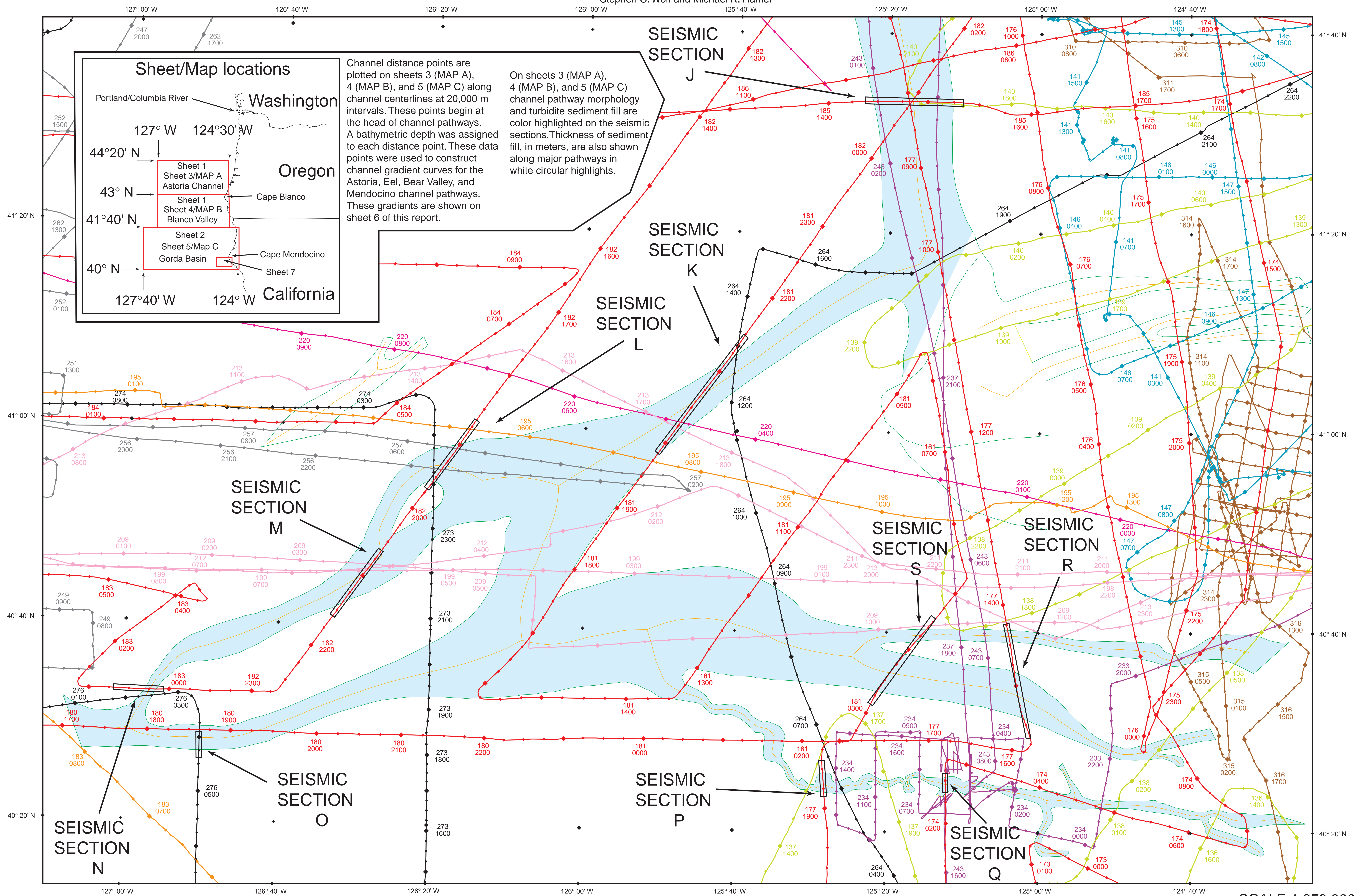


TURBIDITE PATHWAYS IN CASCADIA BASIN AND TUFTS ABYSSAL PLAIN, PART A, ASTORIA CHANNEL, BLANCO VALLEY, AND GORDA BASIN

By
Stephen C. Wolf and Michael R. Hamer



Sheet/Map locations

Portland/Columbia River
Washington
Oregon
Cape Blanco
Cape Mendocino
California

127° W 124°30' W
44°20' N
43° N
41°40' N
40° N
127°40' W 124° W

Channel distance points are plotted on sheets 3 (MAP A), 4 (MAP B), and 5 (MAP C) along channel centerlines at 20,000 m intervals. These points begin at the head of channel pathways. A bathymetric depth was assigned to each distance point. These data points were used to construct channel gradient curves for the Astoria, Eel, Bear Valley, and Mendocino channel pathways. These gradients are shown on sheet 6 of this report.

On sheets 3 (MAP A), 4 (MAP B), and 5 (MAP C) channel pathway morphology and turbidite sediment fill are color highlighted on the seismic sections. Thickness of sediment fill, in meters, are also shown along major pathways in white circular highlights.

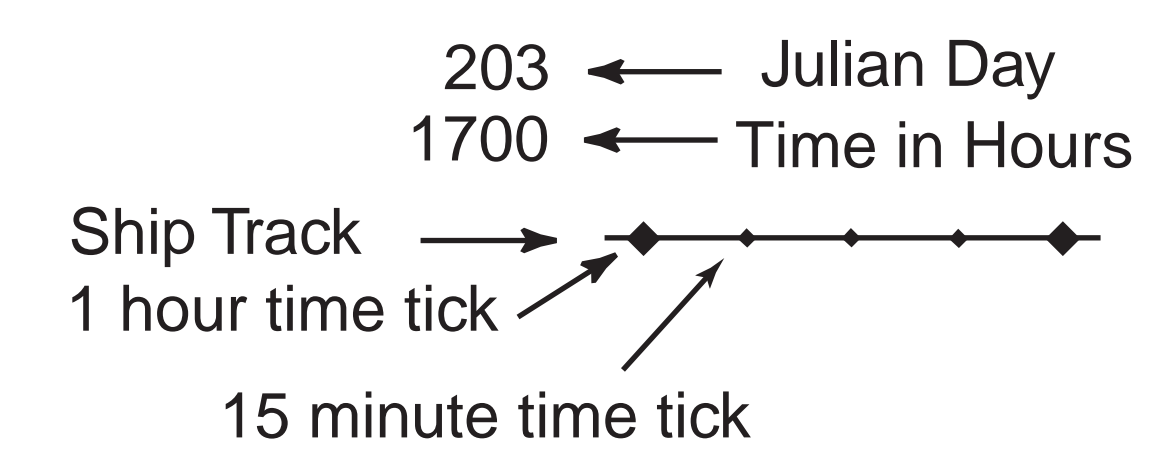
Ship track and seismic section locations for sheet 5, MAP C

- S. P. Lee L-4-77-NC ship tracks
- Sea Sounder S-12-78-NC ship tracks
- S. P. Lee L-5-81-NC ship tracks
- S. P. Lee L-12-81-NP ship tracks
- Farnella F-3-84-NC ship tracks
- S. P. Lee L-6-85-NC ship tracks
- S. P. Lee L-1-86-NC ship tracks
- S. P. Lee L-2-86-NC ship tracks
- S. P. Lee L-3-86-NC ship tracks
- S. P. Lee L-4-86-NC ship tracks

Light blue areas represent turbidite channel pathways shown on sheets 3 (MAP A), 4 (MAP B), and 5 (MAP C).

channel distance point (not annotated)

centerline of channel



SCALE 1:250,000
1 inch represents 3.95 miles

10 0 10 Kilometers
10 0 10 Miles

Transverse Mercator @ -124.5

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