



FLOODPLAIN RESILIENCE PLAN

March 2022 DRAC Meeting

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**PLANNING &
SUSTAINABILITY**

Agenda

- I. Background
- II. Floodplain Resilience Plan Proposals
- III. Project Schedule
- IV. Q & A



Photo: The Oregonian



Project Goals

- Maintain access to floodplain insurance and disaster relief funds
- Reduce future flood risk
- Expand habitat for Portland's threatened and endangered species



Background

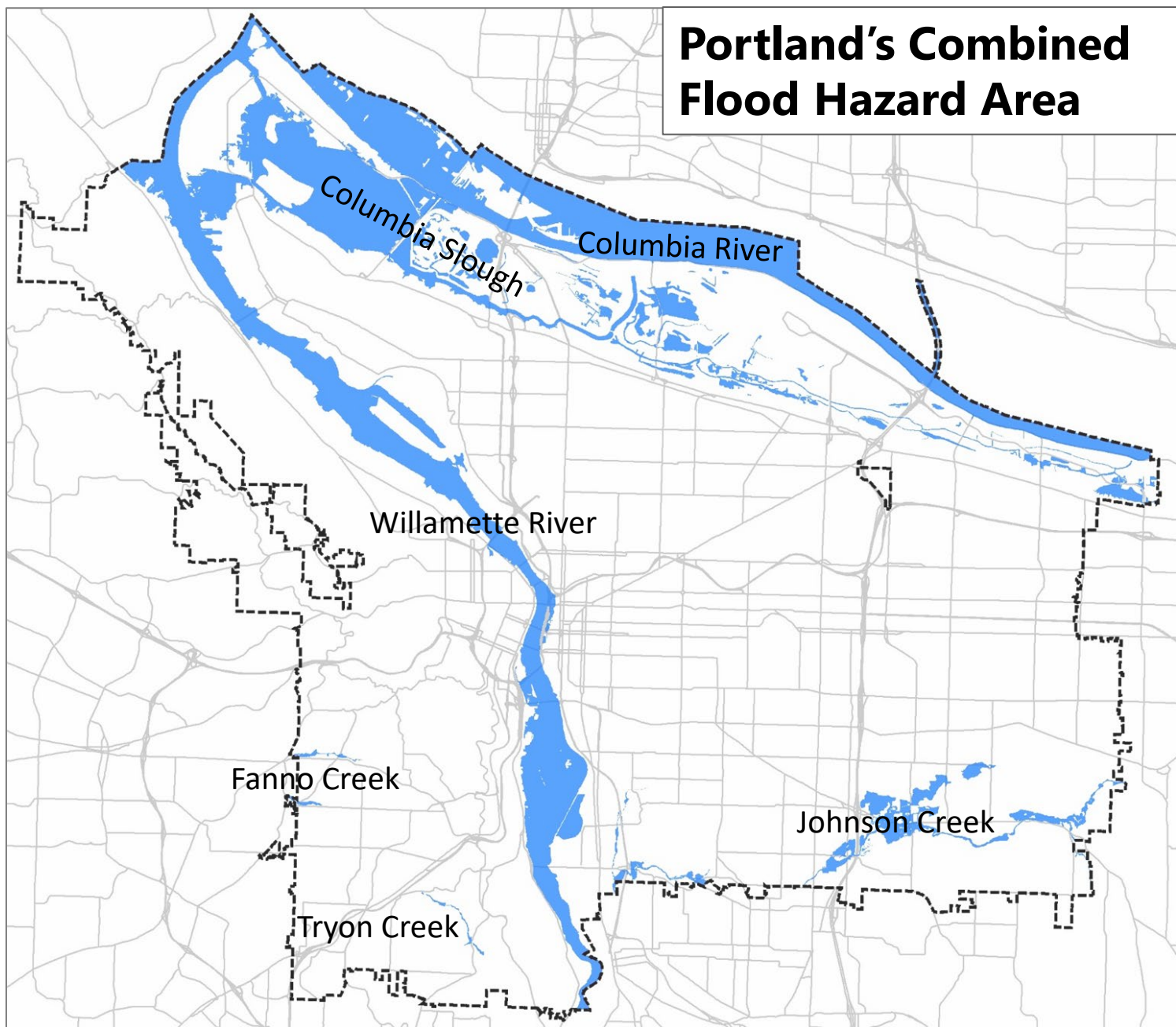
Portland's Combined Flood Hazard Area

Made up of

- FEMA's 100-year floodplain
- 1996 Flood Inundation Area
(shown on the Metro Title 3 map)



Portland's Combined Flood Hazard Area



FEMA's National Flood Insurance Program (NFIP)

- Provides flood insurance in floodplains
- Minimum requirements must be met
- Community Rating System (CRS) participation reduces insurance rates when voluntary measures are taken



National Flood Insurance Program (NFIP) Biological Opinion

- Determined 16 threatened and endangered salmon and steelhead impacted
- FEMA Implementation Plan to comply with the Biological Opinion released in October 2021

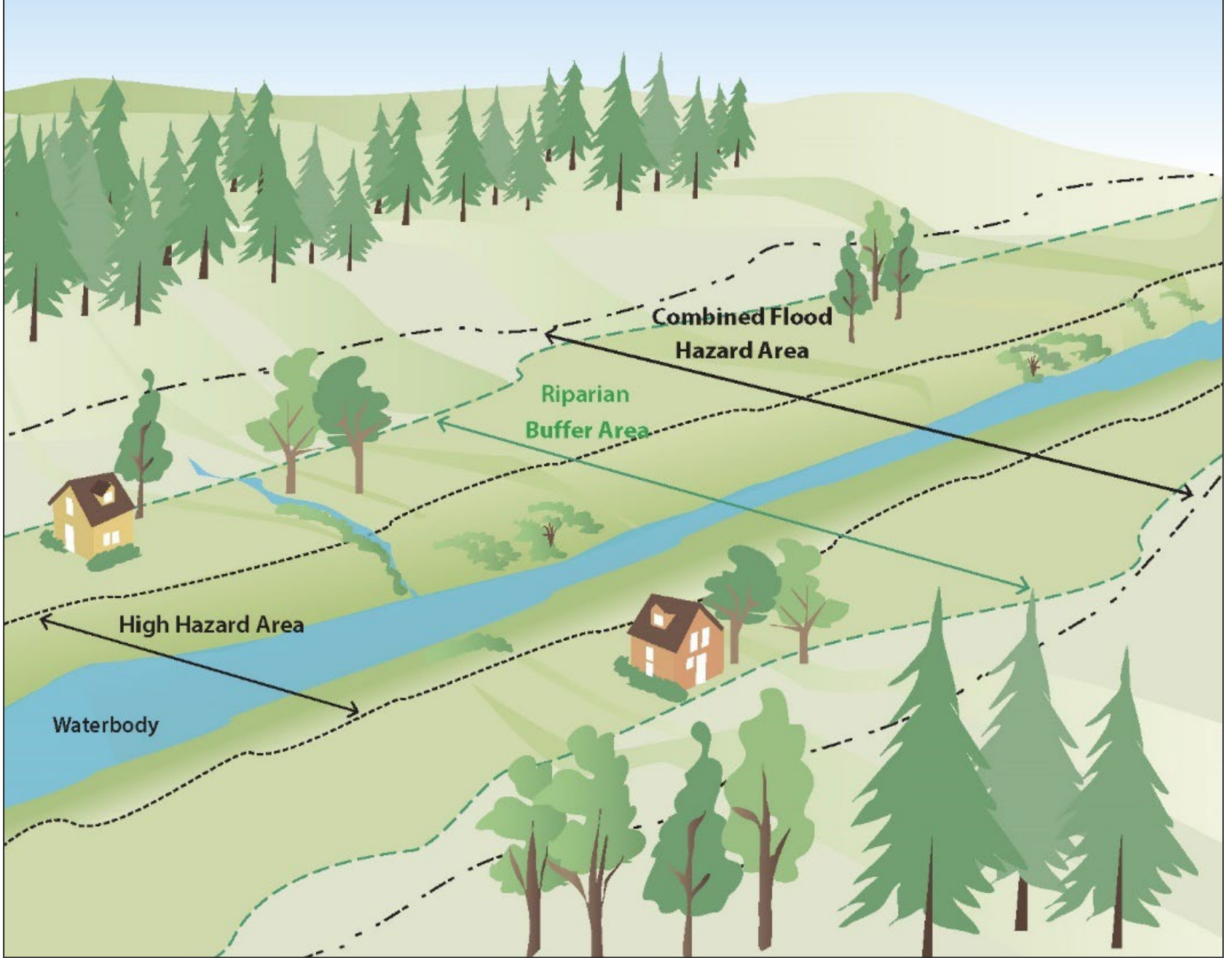


Floodplain Management Proposals

Plan Components

- Update the Zoning Code to address habitat impacts
- Update the Building Code to maintain flood storage
- Support the City's mitigation and restoration efforts

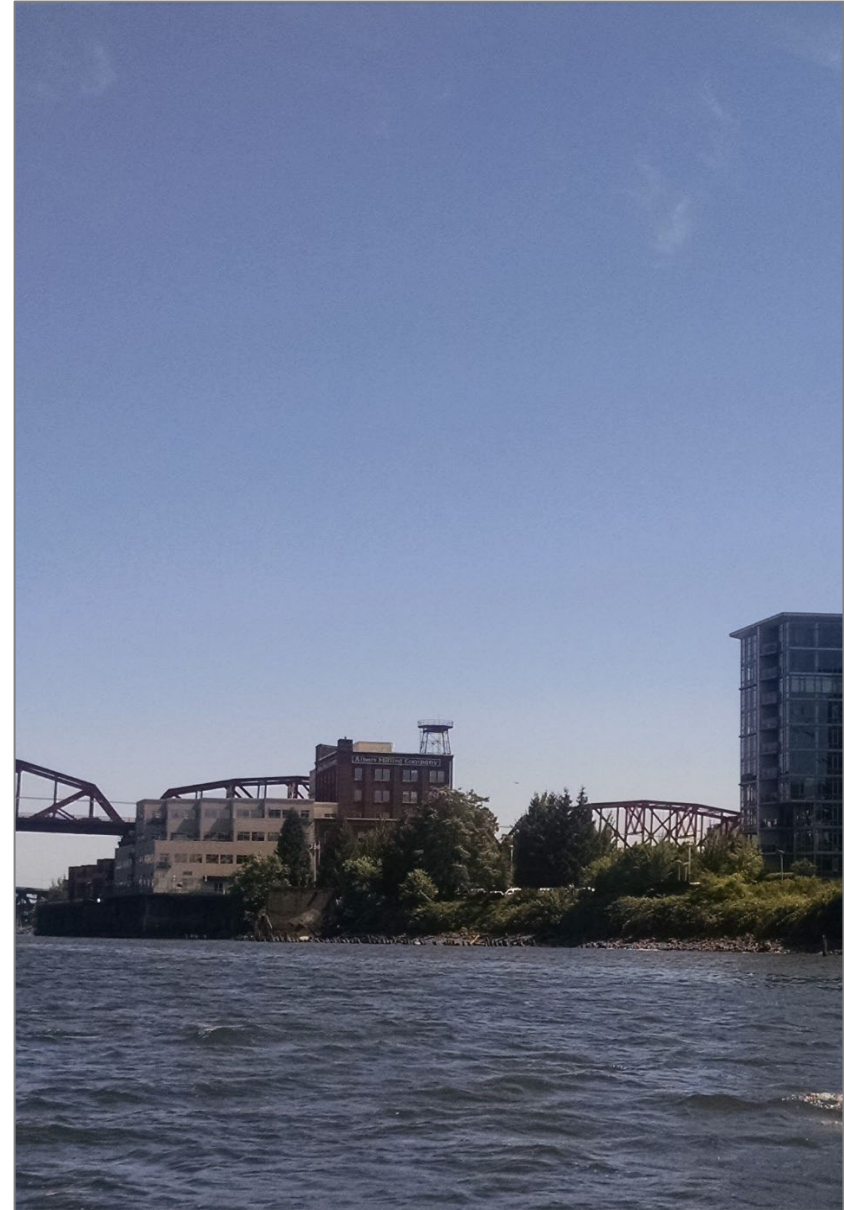




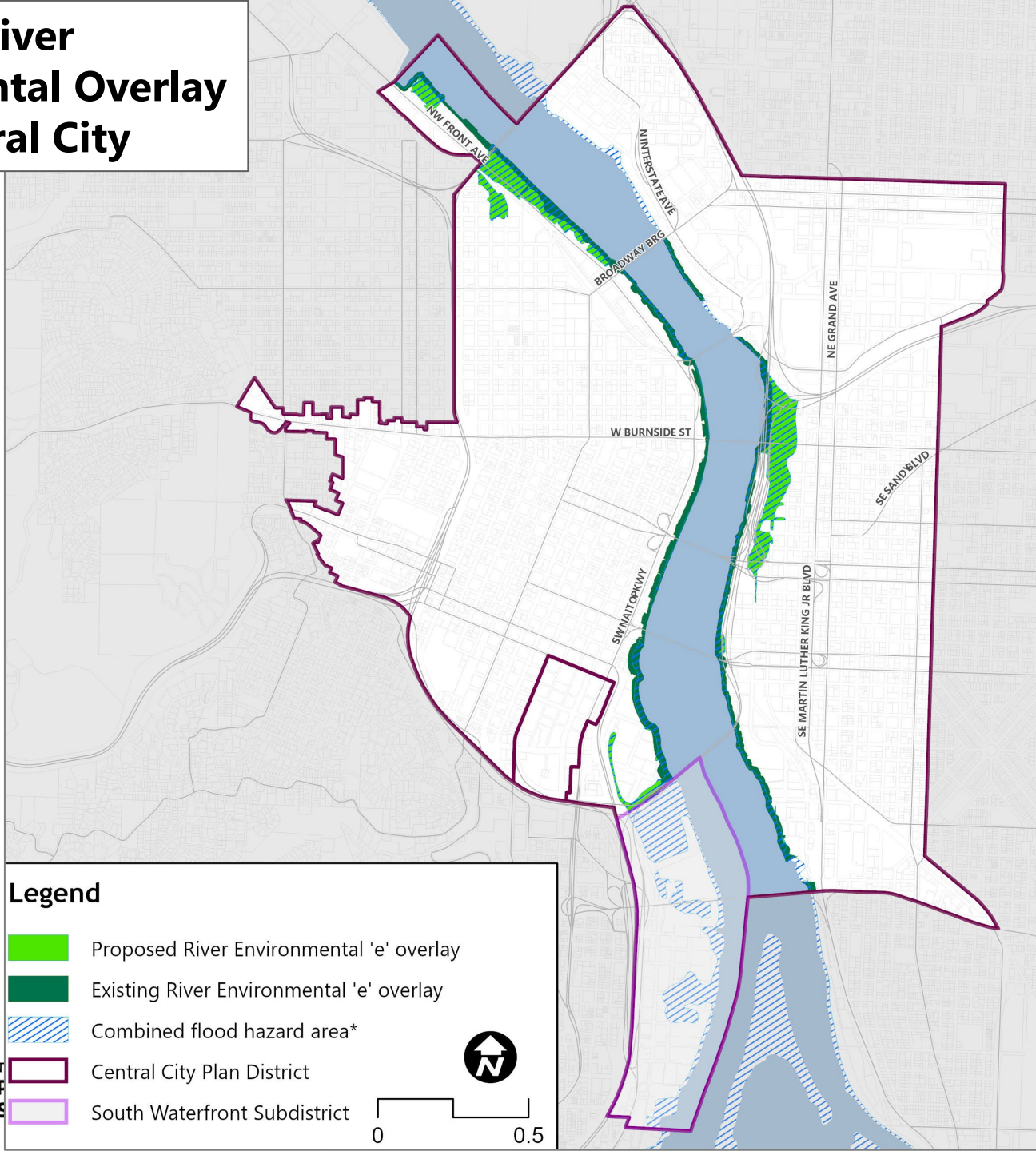
Zoning Code (Title 33)

Willamette River Central Reach

- Apply River Environmental overlay zone to all floodplains
- Increase mitigation required in a new riparian buffer area


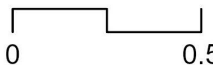


Proposed River Environmental Overlay in the Central City



Legend

- Proposed River Environmental 'e' overlay
- Existing River Environmental 'e' overlay
- Combined flood hazard area*
- Central City Plan District
- South Waterfront Subdistrict



Zoning Code (Title 33)

South Waterfront Columbia Corridor (non-industrial) Fanno Creek and Tryon Creek

- Apply environmental zoning to all floodplains
- Update tree and vegetation replacement in floodplains



Building Code (Title 24)

Citywide (some exceptions)

- Increase excavation ratios
 - High hazard area (2:1)
 - Undeveloped floodplain and Riparian buffer area (1.5:1)
- Excavation required in rest of floodplain unchanged (1:1)



Related Projects

- U.S. Army Corps Lower Willamette River Hydraulic Model
- Mitigation Banks
- BES Restoration



Photo: The Oregonian

Schedule

Nov 2021 – Discussion Draft released for public review

Spring 2022 – Proposed Draft (Planning & Sustainability Commission)

Summer/Fall 2022 – Recommended Draft (City Council)





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