Growing Resilience

Recommendations for Dune Management at North Ocean B

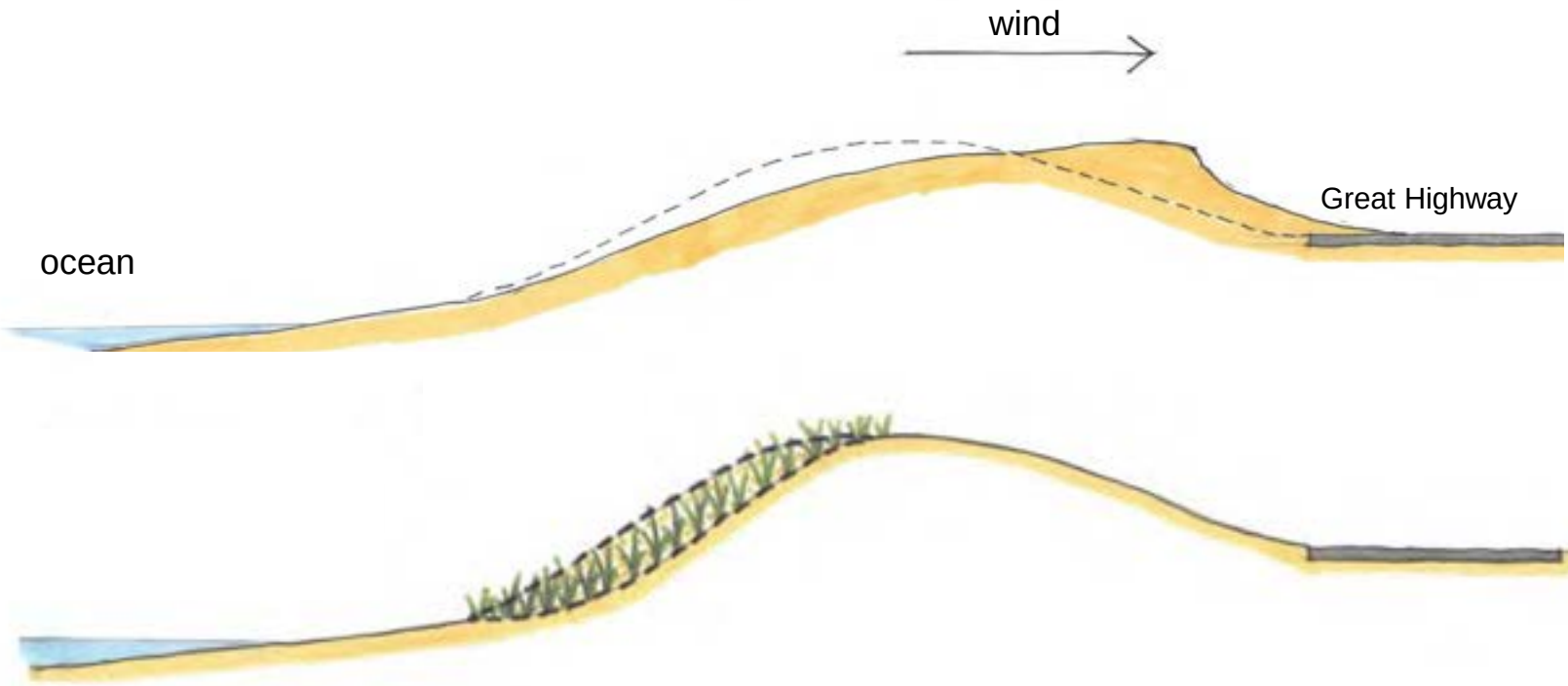
PART OF THE **SUNSET NATURAL RESILIENCE PROJECT**

SFEI, Bob Battalio (ESA), and Peter Baye • Funded by the State Coastal Conservancy

SFEI San Francisco Estuary Institute

Photo: Peter Baye

Unvegetated dunes migrate landward



Vegetated dunes trap sand

Trampling leads to blowouts

Images courtesy Surfrider SF

Maintenance inhibits dune formation

Photo: Ellen Plane, SFEI

Photo: Ellen Plane, SFEI

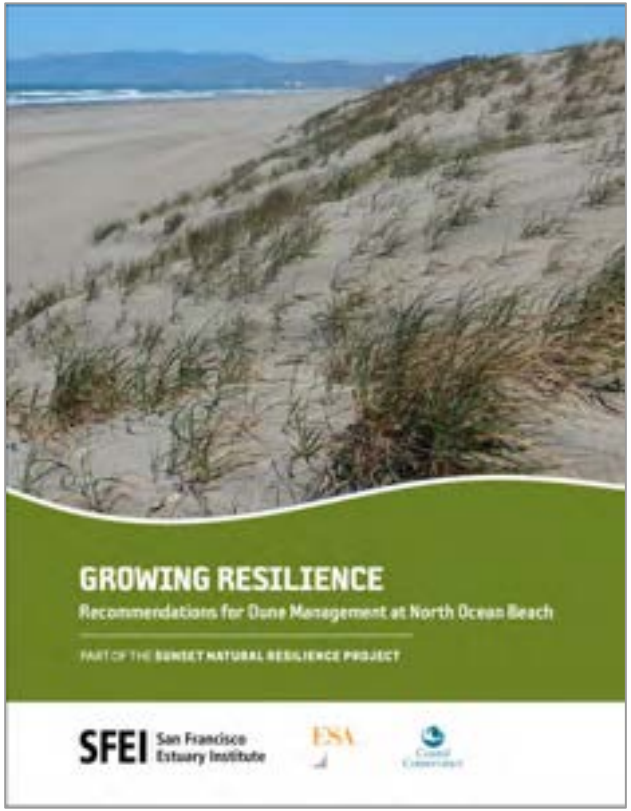
Photo: Bob Battalio, ESA

Severe wave events causing erosion will become more frequent

Photo: Michael Friedman, ESA

Proposed strategies

- Revegetate (beach wildrye)
- Place brush matting
- Prevent trampling by guiding access
- Reduce disturbance in backshore
- Once vegetation established, nourish with sand



Since report release

- Prop K closed Upper Great Highway
- Dune Protection and Restoration Plan in development (SF Recreation and Park District, ESA, and partners)
- Development of Judah St pilot project

Judah Pilot Project

Photos by Guru Khalsa, courtesy of Surfrider SF

Thank you!

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