Kapaa - Smoothed Rates

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Positive Rate = Accretion
Negative Rate = Erosion

*Imagery indicates beachwidth of zero during period of analysis. Rate calculation reflects data with beach existence.*
Kapaa - Smoothed Shoreline Change Rates

Transect #0

Smoothed = −1.1 ft/yr

1940 1960 1980 2000

Transect #1

Smoothed = −1.2 ft/yr

1940 1960 1980 2000

Transect #2

Smoothed = −1.1 ft/yr

1940 1960 1980 2000

Transect #4

Smoothed = −1 ft/yr

1940 1960 1980 2000

Transect #5

Smoothed = −0.9 ft/yr

1940 1960 1980 2000

Transect #6

Smoothed = −0.9 ft/yr

1940 1960 1980 2000

Transect #8

Smoothed = −1.2 ft/yr

1940 1960 1980 2000

Transect #9

Smoothed = −1.4 ft/yr

1940 1960 1980 2000

Transect #10

Smoothed = −1.6 ft/yr

1940 1960 1980 2000

Transect #12

Smoothed = −1.6 ft/yr

1940 1960 1980 2000

Transect #13

Smoothed = −1.4 ft/yr

1940 1960 1980 2000

Transect #14

Smoothed = −1.5 ft/yr

1940 1960 1980 2000

Transect #15

Smoothed = −1.4 ft/yr

1940 1960 1980 2000

Transect #16

Smoothed = −1.4 ft/yr

1940 1960 1980 2000

*Hardened Shorelines with no beach are shown with a blue square. The analysis stops at the first hardened shoreline.
Kapaa - Smoothed Shoreline Change Rates

*Hardened Shorelines with no beach are shown with a blue square. The analysis stops at the first hardened shoreline.*
Kapaa - Smoothed Shoreline Change Rates

Smoothed = −1.3 ft/yr (Transect #32)

Smoothed = −1.1 ft/yr (Transect #33)

Smoothed = −1 ft/yr (Transect #35)

Smoothed = −1 ft/yr (Transect #36)

Smoothed = −1 ft/yr (Transect #37)

Smoothed = −0.9 ft/yr (Transect #38)

Smoothed = −0.9 ft/yr (Transect #39)

Smoothed = −0.8 ft/yr (Transect #40)

Smoothed = −0.8 ft/yr (Transect #41)

Smoothed = −0.8 ft/yr (Transect #42)

Smoothed = −0.8 ft/yr (Transect #43)

Smoothed = −1 ft/yr (Transect #44)

Smoothed = −1.1 ft/yr (Transect #45)

Smoothed = −1.3 ft/yr (Transect #46)

Smoothed = −1.6 ft/yr (Transect #47)

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Kapaa - Smoothed Shoreline Change Rates

Positive Rate = Accretion
Negative Rate = Erosion

*Hardened Shorelines with no beach are shown with a blue square. The analysis stops at the first hardened shoreline.
Kapaa - Smoothed Shoreline Change Rates

*Hardened Shorelines with no beach are shown with a blue square. The analysis stops at the first hardened shoreline.*
Kapaa - Smoothed Shoreline Change Rates

Transect #80
Smoothed = −0.1 ft/yr

Transect #81
Smoothed = −0.2 ft/yr

Transect #84
Smoothed = −0.5 ft/yr

Transect #85
Smoothed = −0.5 ft/yr

Transect #86
Smoothed = −0.6 ft/yr

Transect #87
Smoothed = −0.9 ft/yr

Transect #88
Smoothed = −1.4 ft/yr

Transect #89*
Smoothed = −2 ft/yr

Transect #90*
Smoothed = −2.5 ft/yr

Transect #91*
Smoothed = −2.6 ft/yr

Transect #92*
Smoothed = −2.7 ft/yr

Transect #96*
Smoothed = −2.5 ft/yr

Transect #97*
Smoothed = −2.6 ft/yr

Transect #98*
Smoothed = −2.2 ft/yr

*Hardened Shorelines with no beach are shown with a blue square. The analysis stops at the first hardened shoreline.
Kapaa - Smoothed Shoreline Change Rates

Transcet #99
Smoothed = −1.6 ft/yr

Transcet #100
Smoothed = −1.1 ft/yr

Transcet #101
Smoothed = −0.8 ft/yr

Transcet #102
Smoothed = −0.6 ft/yr

Transcet #103
Smoothed = −0.5 ft/yr

Transcet #104
Smoothed = −0.5 ft/yr

Transcet #106
Smoothed = −0.6 ft/yr

Transcet #107
Smoothed = −0.6 ft/yr

Transcet #108
Smoothed = −0.6 ft/yr

Transcet #109
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Transcet #110
Smoothed = −0.4 ft/yr

Transcet #111
Smoothed = −0.3 ft/yr

Transcet #112
Smoothed = −0.3 ft/yr

Transcet #113
Smoothed = −0.4 ft/yr

Transcet #114
Smoothed = −0.5 ft/yr

*Hardened Shorelines with no beach are shown with a blue square. The analysis stops at the first hardened shoreline.
Kapaa - Smoothed Shoreline Change Rates

**Transect #115**

Smoothed = −0.6 ft/yr

**Transect #116**

Smoothed = −0.7 ft/yr

**Transect #118**

Smoothed = −0.8 ft/yr

**Transect #119**

Smoothed = −0.7 ft/yr

**Transect #120**

Smoothed = −0.7 ft/yr

**Transect #121**

Smoothed = −0.8 ft/yr

**Transect #122**

Smoothed = −0.8 ft/yr

**Transect #123**

Smoothed = −0.9 ft/yr

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Smoothed = −0.9 ft/yr

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Smoothed = −0.9 ft/yr

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Smoothed = −0.9 ft/yr

**Transect #129**

Smoothed = −0.9 ft/yr

**Transect #130**

Smoothed = −0.9 ft/yr

**Transect #131**

Smoothed = −1 ft/yr

*Hardened Shorelines with no beach are shown with a blue square. The analysis stops at the first hardened shoreline.*
*Hardened Shorelines with no beach are shown with a blue square. The analysis stops at the first hardened shoreline.*