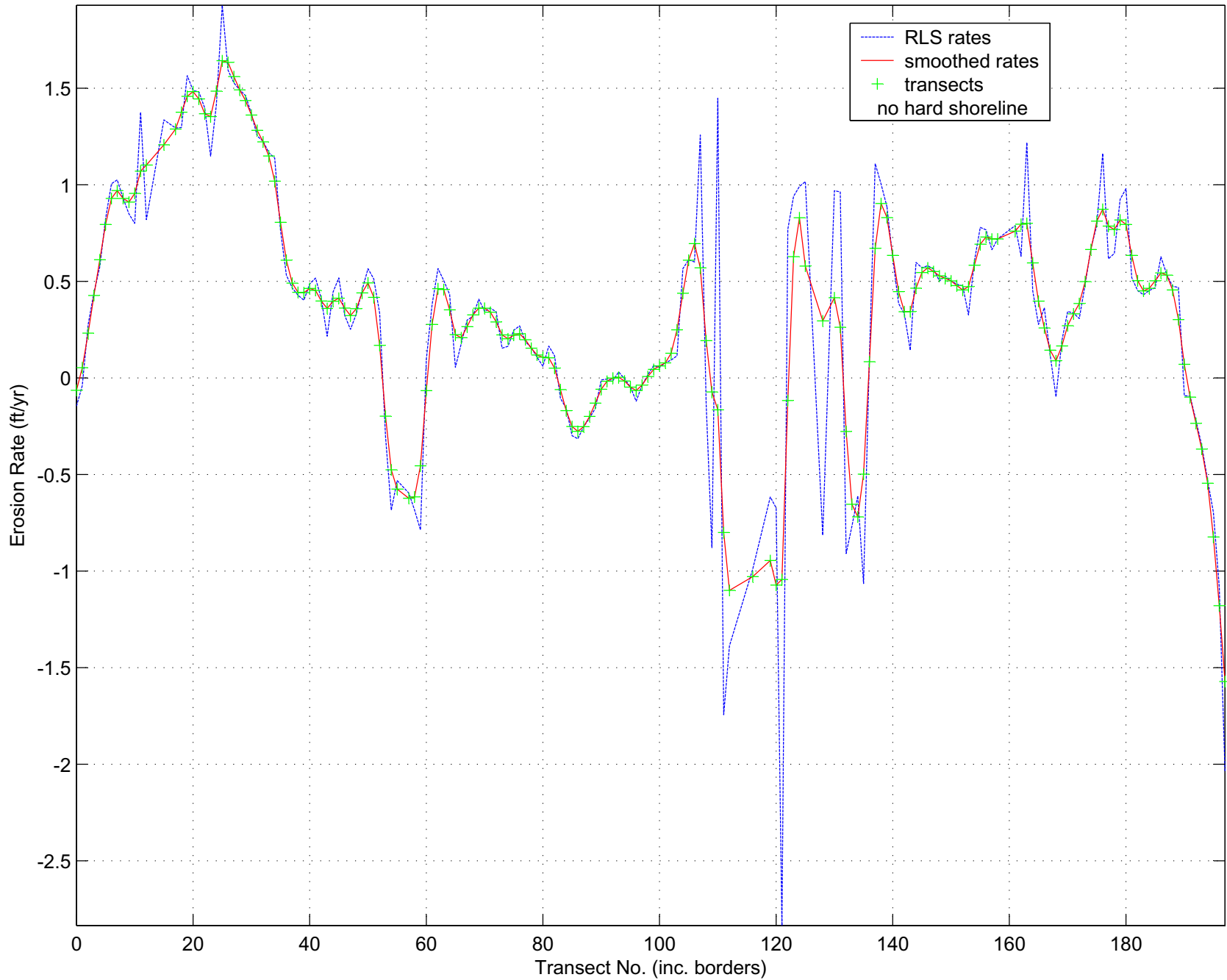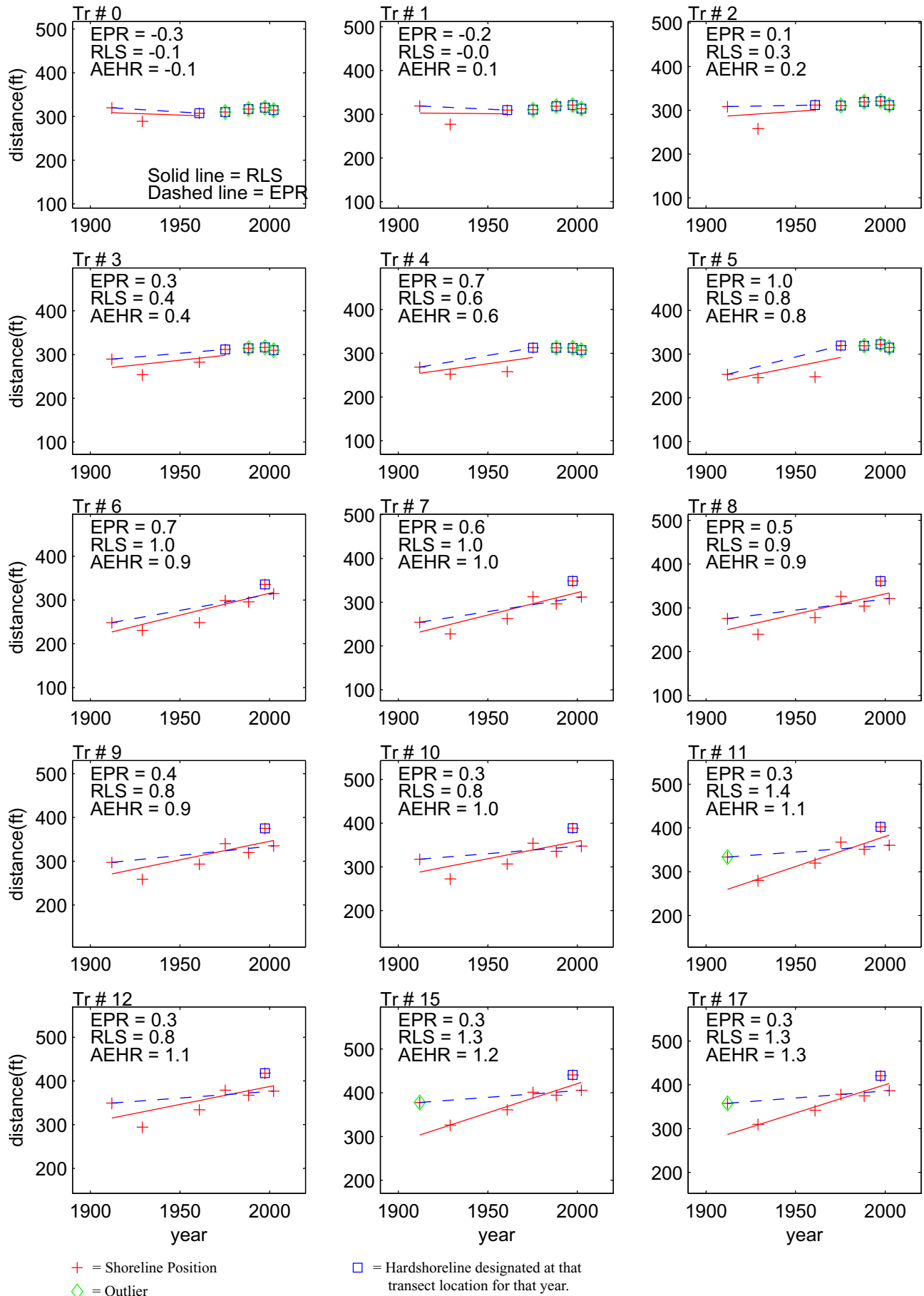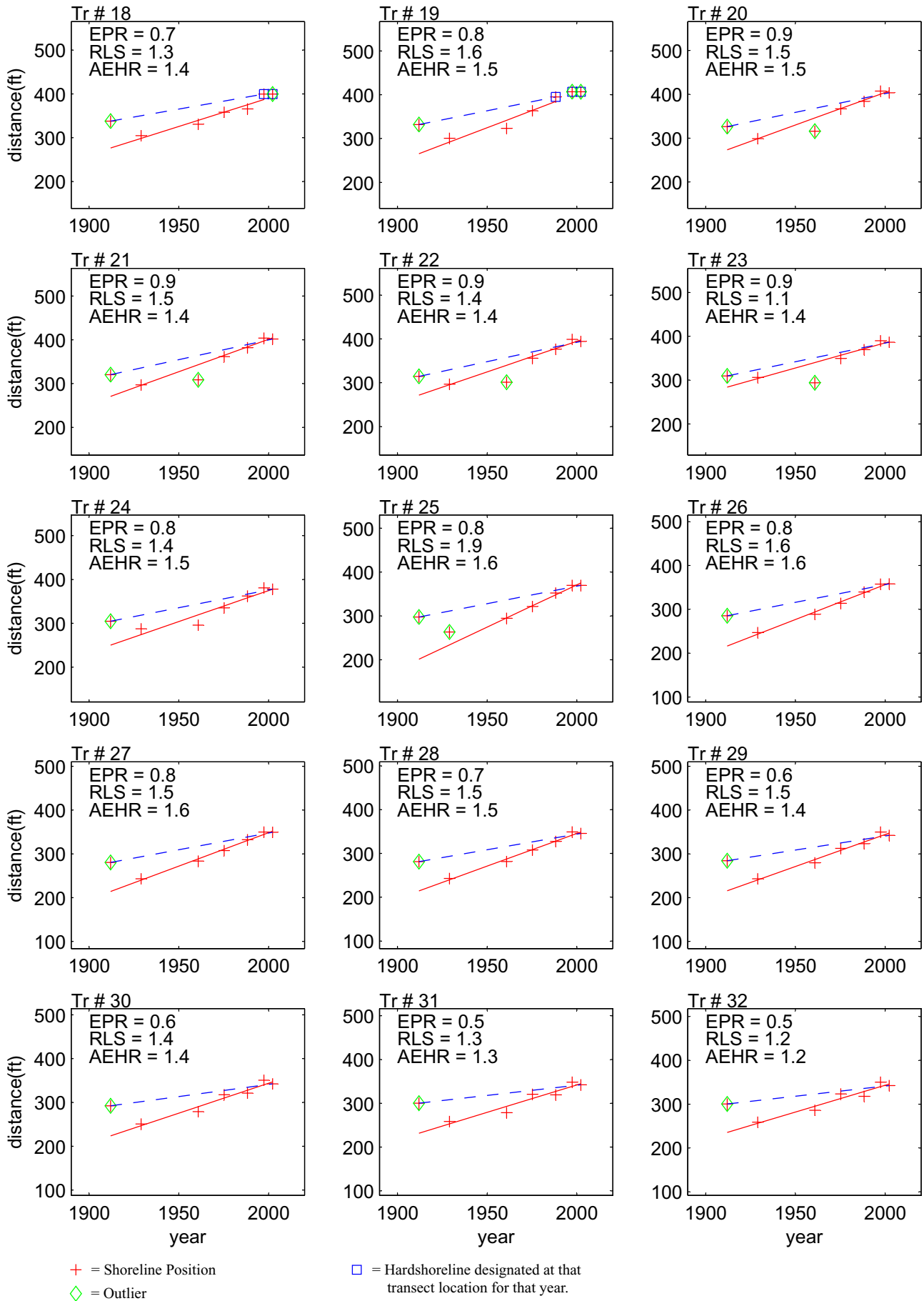Calculated and Smoothed Waiehu Erosion Rates
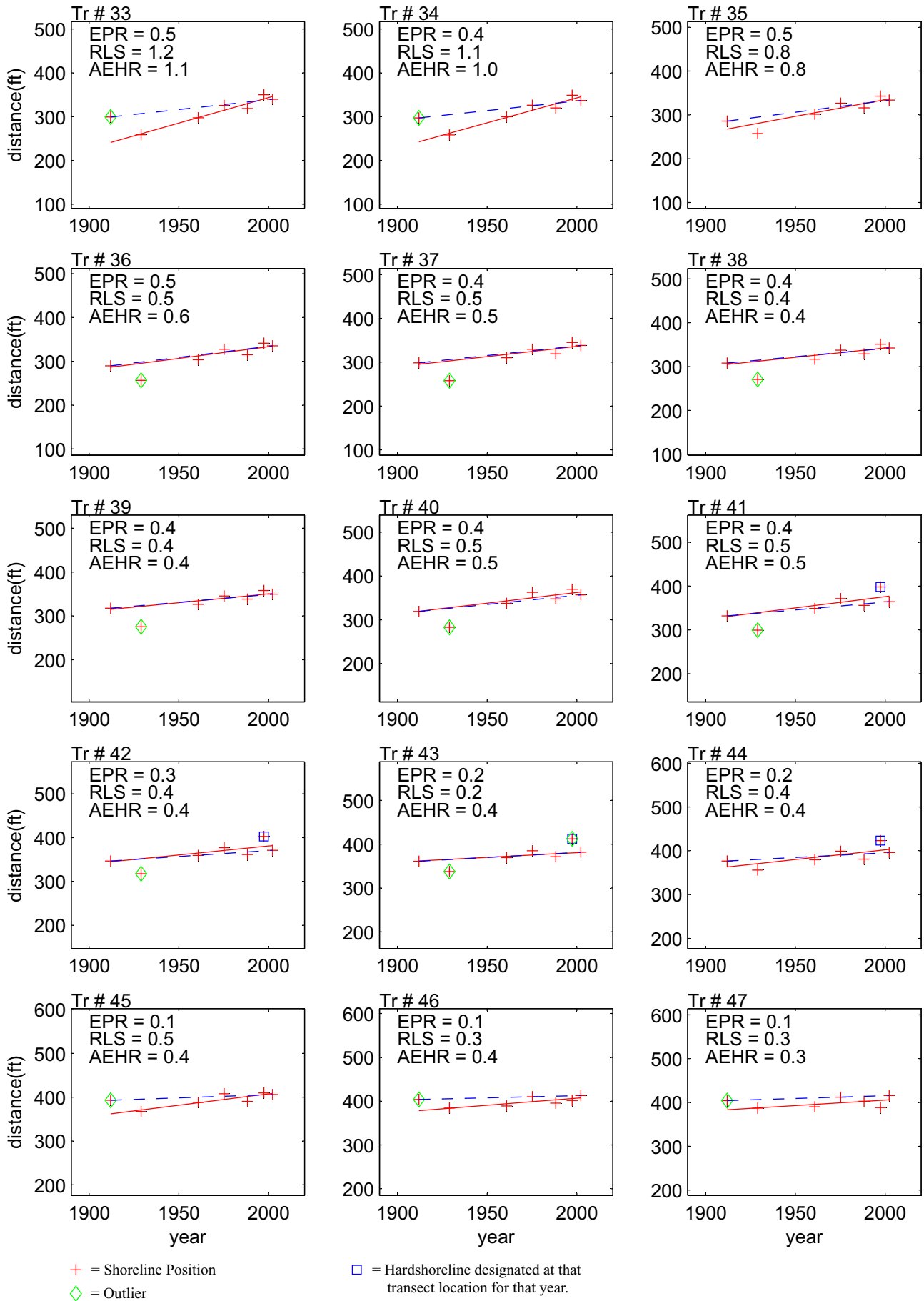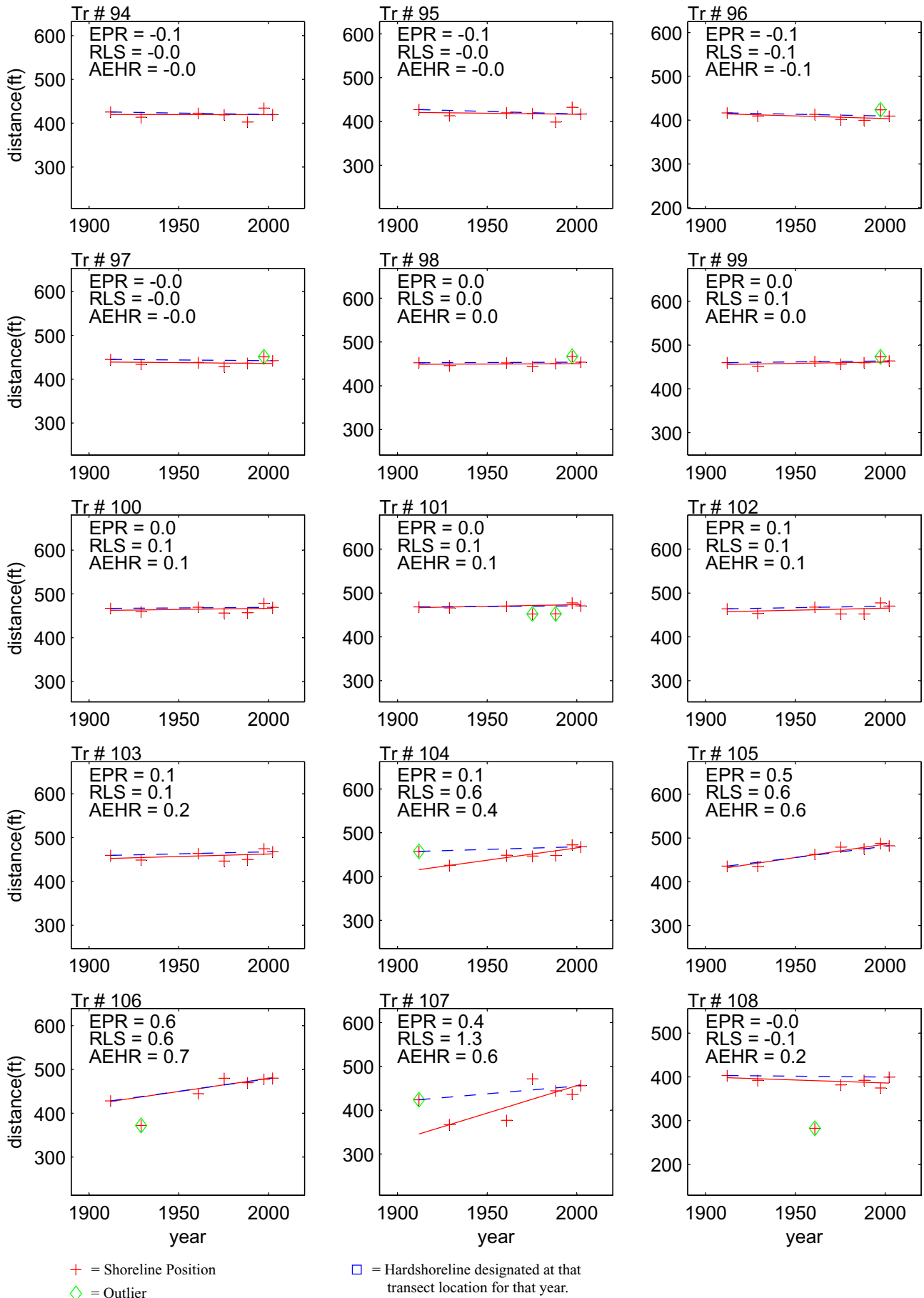
Waiehu - Shoreline Positions and Erosion Rates

= Shoreline Position
= Outlier
= Hardshoreline designated at that transect location for that year.

Waiehu - Shoreline Positions and Erosion Rates

Tr # 18
EPR = 0.7
RLS = 1.3
AEHR = 1.4

Tr # 19
EPR = 0.8
RLS = 1.6
AEHR = 1.5

Tr # 20
EPR = 0.9
RLS = 1.5
AEHR = 1.5

Tr # 21
EPR = 0.9
RLS = 1.5
AEHR = 1.4

Tr # 22
EPR = 0.9
RLS = 1.4
AEHR = 1.4

Tr # 23
EPR = 0.9
RLS = 1.1
AEHR = 1.4

Tr # 24
EPR = 0.8
RLS = 1.4
AEHR = 1.5

Tr # 25
EPR = 0.8
RLS = 1.9
AEHR = 1.6

Tr # 26
EPR = 0.8
RLS = 1.6
AEHR = 1.6

Tr # 27
EPR = 0.8
RLS = 1.5
AEHR = 1.6

Tr # 28
EPR = 0.7
RLS = 1.5
AEHR = 1.5

Tr # 29
EPR = 0.6
RLS = 1.5
AEHR = 1.4

Tr # 30
EPR = 0.6
RLS = 1.4
AEHR = 1.4

Tr # 31
EPR = 0.5
RLS = 1.3
AEHR = 1.3

Tr # 32
EPR = 0.5
RLS = 1.2
AEHR = 1.2

+ = Shoreline Position

◇ = Outlier

□ = Hardshoreline designated at that transect location for that year.

Waiehu - Shoreline Positions and Erosion Rates

Tr # 33
EPR = 0.5
RLS = 1.2
AEHR = 1.1

Tr # 34
EPR = 0.4
RLS = 1.1
AEHR = 1.0

Tr # 35
EPR = 0.5
RLS = 0.8
AEHR = 0.8

Tr # 36
EPR = 0.5
RLS = 0.5
AEHR = 0.6

Tr # 37
EPR = 0.4
RLS = 0.5
AEHR = 0.5

Tr # 38
EPR = 0.4
RLS = 0.4
AEHR = 0.4

Tr # 39
EPR = 0.4
RLS = 0.4
AEHR = 0.4

Tr # 40
EPR = 0.4
RLS = 0.5
AEHR = 0.5

Tr # 41
EPR = 0.4
RLS = 0.5
AEHR = 0.5

Tr # 42
EPR = 0.3
RLS = 0.4
AEHR = 0.4

Tr # 43
EPR = 0.2
RLS = 0.2
AEHR = 0.4

Tr # 44
EPR = 0.2
RLS = 0.4
AEHR = 0.4

Tr # 45
EPR = 0.1
RLS = 0.5
AEHR = 0.4

Tr # 46
EPR = 0.1
RLS = 0.3
AEHR = 0.4

Tr # 47
EPR = 0.1
RLS = 0.3
AEHR = 0.3

+ = Shoreline Position

◇ = Outlier

☐ = Hardshoreline designated at that transect location for that year.

Waiehu - Shoreline Positions and Erosion Rates

Tr # 48
EPR = 0.3
RLS = 0.3
AEHR = 0.4

Tr # 49
EPR = 0.4
RLS = 0.5
AEHR = 0.4

Tr # 50
EPR = 0.6
RLS = 0.6
AEHR = 0.5

Tr # 51
EPR = 0.6
RLS = 0.5
AEHR = 0.4

Tr # 52
EPR = 0.4
RLS = 0.3
AEHR = 0.2

Tr # 53
EPR = 0.0
RLS = -0.3
AEHR = -0.2

Tr # 54
EPR = -0.2
RLS = -0.7
AEHR = -0.5

Tr # 55
EPR = -0.5
RLS = -0.5
AEHR = -0.6

Tr # 57
EPR = -0.7
RLS = -0.6
AEHR = -0.6

Tr # 58
EPR = -1.0
RLS = -0.7
AEHR = -0.6

Tr # 59
EPR = -0.7
RLS = -0.8
AEHR = -0.5

Tr # 60
EPR = -0.1
RLS = 0.1
AEHR = -0.1

Tr # 61
EPR = 0.3
RLS = 0.4
AEHR = 0.3

Tr # 62
EPR = 0.5
RLS = 0.6
AEHR = 0.5

Tr # 63
EPR = 0.4
RLS = 0.5
AEHR = 0.5

+ = Shoreline Position

◇ = Outlier

□ = Hardshoreline designated at that transect location for that year.

Waiehu - Shoreline Positions and Erosion Rates

Tr # 64
EPR = 0.4
RLS = 0.4
AEHR = 0.4

Tr # 65
EPR = 0.0
RLS = 0.1
AEHR = 0.2

Tr # 66
EPR = 0.2
RLS = 0.2
AEHR = 0.2

Tr # 67
EPR = 0.3
RLS = 0.3
AEHR = 0.3

Tr # 68
EPR = 0.3
RLS = 0.3
AEHR = 0.3

Tr # 69
EPR = 0.4
RLS = 0.4
AEHR = 0.4

Tr # 70
EPR = 0.4
RLS = 0.3
AEHR = 0.4

Tr # 71
EPR = 0.4
RLS = 0.4
AEHR = 0.3

Tr # 72
EPR = 0.3
RLS = 0.3
AEHR = 0.3

Tr # 73
EPR = 0.2
RLS = 0.2
AEHR = 0.2

Tr # 74
EPR = 0.2
RLS = 0.2
AEHR = 0.2

Tr # 75
EPR = 0.2
RLS = 0.2
AEHR = 0.2

Tr # 76
EPR = 0.2
RLS = 0.3
AEHR = 0.2

Tr # 77
EPR = 0.2
RLS = 0.2
AEHR = 0.2

Tr # 78
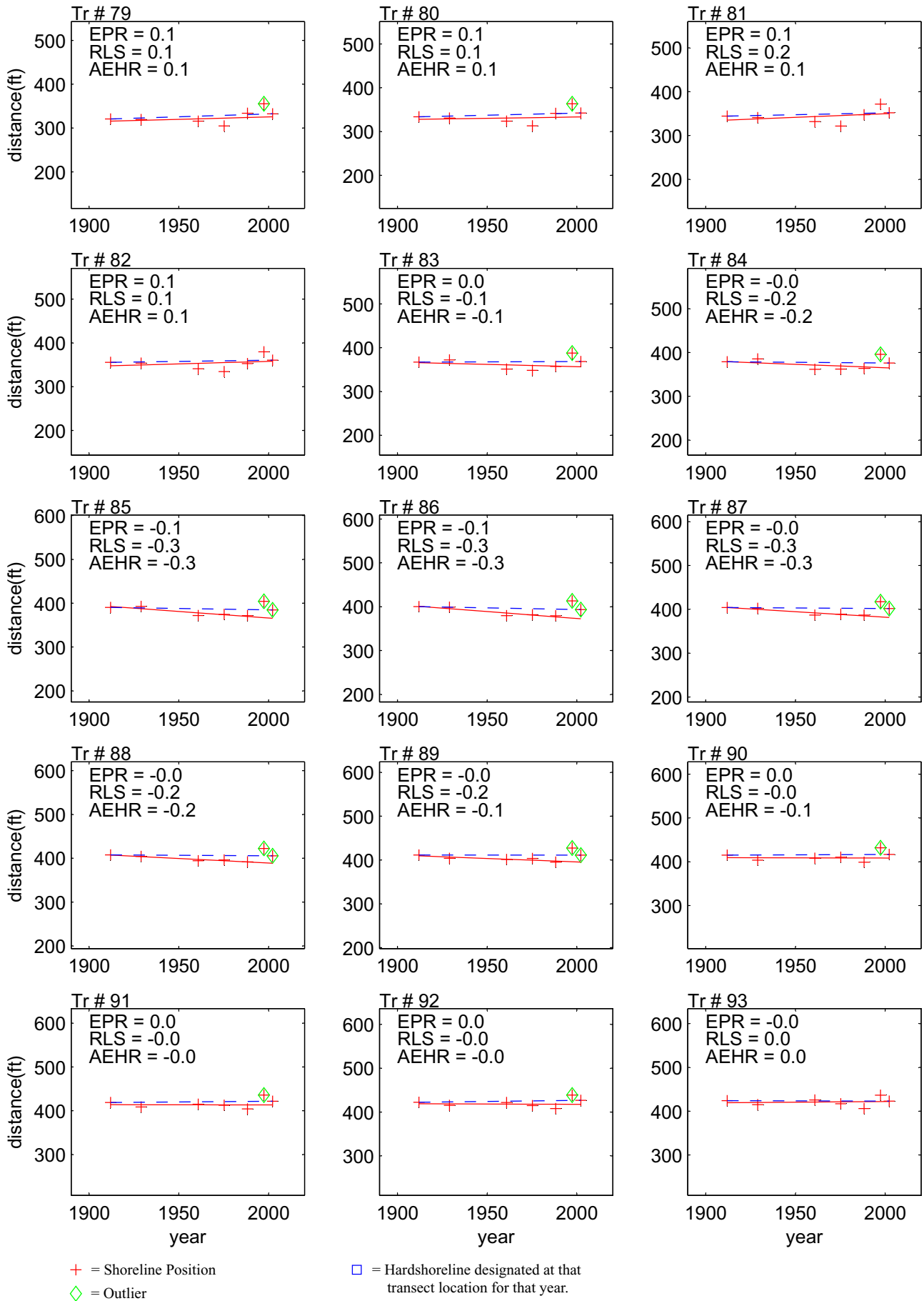EPR = 0.2
RLS = 0.2
AEHR = 0.2

+ = Shoreline Position

◇ = Outlier

□ = Hardshoreline designated at that transect location for that year.

Waiehu - Shoreline Positions and Erosion Rates

Tr # 79
EPR = 0.1
RLS = 0.1
AEHR = 0.1

Tr # 80
EPR = 0.1
RLS = 0.1
AEHR = 0.1

Tr # 81
EPR = 0.1
RLS = 0.2
AEHR = 0.1

Tr # 82
EPR = 0.1
RLS = 0.1
AEHR = 0.1

Tr # 83
EPR = 0.0
RLS = -0.1
AEHR = -0.1

Tr # 84
EPR = -0.0
RLS = -0.2
AEHR = -0.2

Tr # 85
EPR = -0.1
RLS = -0.3
AEHR = -0.3

Tr # 86
EPR = -0.1
RLS = -0.3
AEHR = -0.3

Tr # 87
EPR = -0.0
RLS = -0.3
AEHR = -0.3

Tr # 88
EPR = -0.0
RLS = -0.2
AEHR = -0.2

Tr # 89
EPR = -0.0
RLS = -0.2
AEHR = -0.1

Tr # 90
EPR = 0.0
RLS = -0.0
AEHR = -0.1

Tr # 91
EPR = 0.0
RLS = -0.0
AEHR = -0.0

Tr # 92
EPR = 0.0
RLS = -0.0
AEHR = -0.0

Tr # 93
EPR = -0.0
RLS = 0.0
AEHR = 0.0

+ = Shoreline Position

◇ = Outlier

□ = Hardshoreline designated at that transect location for that year.

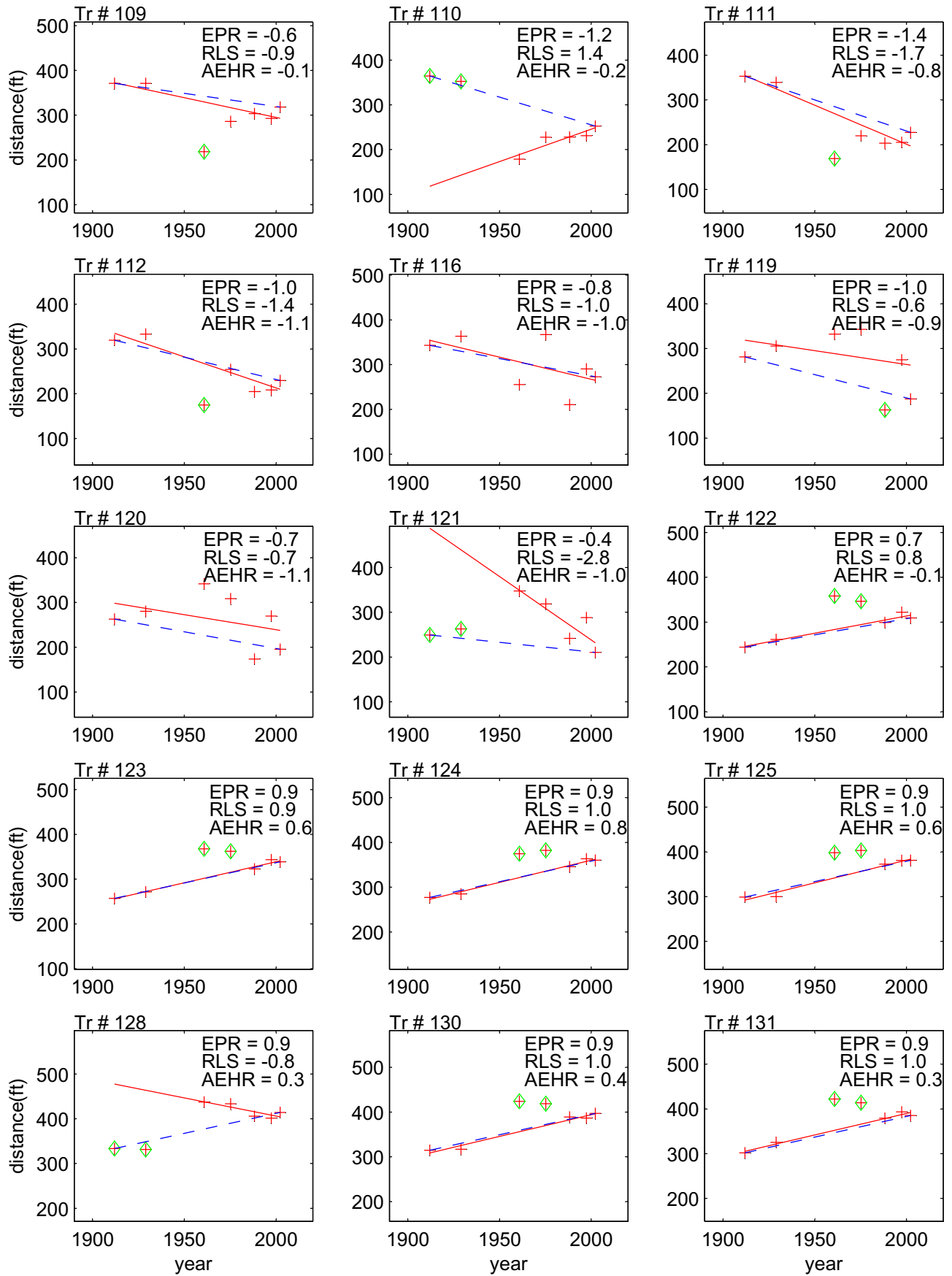# Waiehu - Shoreline Positions and Erosion Rates

Tr # 94
EPR = -0.1
RLS = -0.0
AEHR = -0.0

Tr # 95
EPR = -0.1
RLS = -0.0
AEHR = -0.0

Tr # 96
EPR = -0.1
RLS = -0.1
AEHR = -0.1

Tr # 97
EPR = -0.0
RLS = -0.0
AEHR = -0.0

Tr # 98
EPR = 0.0
RLS = 0.0
AEHR = 0.0

Tr # 99
EPR = 0.0
RLS = 0.1
AEHR = 0.0

Tr # 100
EPR = 0.0
RLS = 0.1
AEHR = 0.1

Tr # 101
EPR = 0.0
RLS = 0.1
AEHR = 0.1

Tr # 102
EPR = 0.1
RLS = 0.1
AEHR = 0.1

Tr # 103
EPR = 0.1
RLS = 0.1
AEHR = 0.2

Tr # 104
EPR = 0.1
RLS = 0.6
AEHR = 0.4

Tr # 105
EPR = 0.5
RLS = 0.6
AEHR = 0.6

Tr # 106
EPR = 0.6
RLS = 0.6
AEHR = 0.7

Tr # 107
EPR = 0.4
RLS = 1.3
AEHR = 0.6
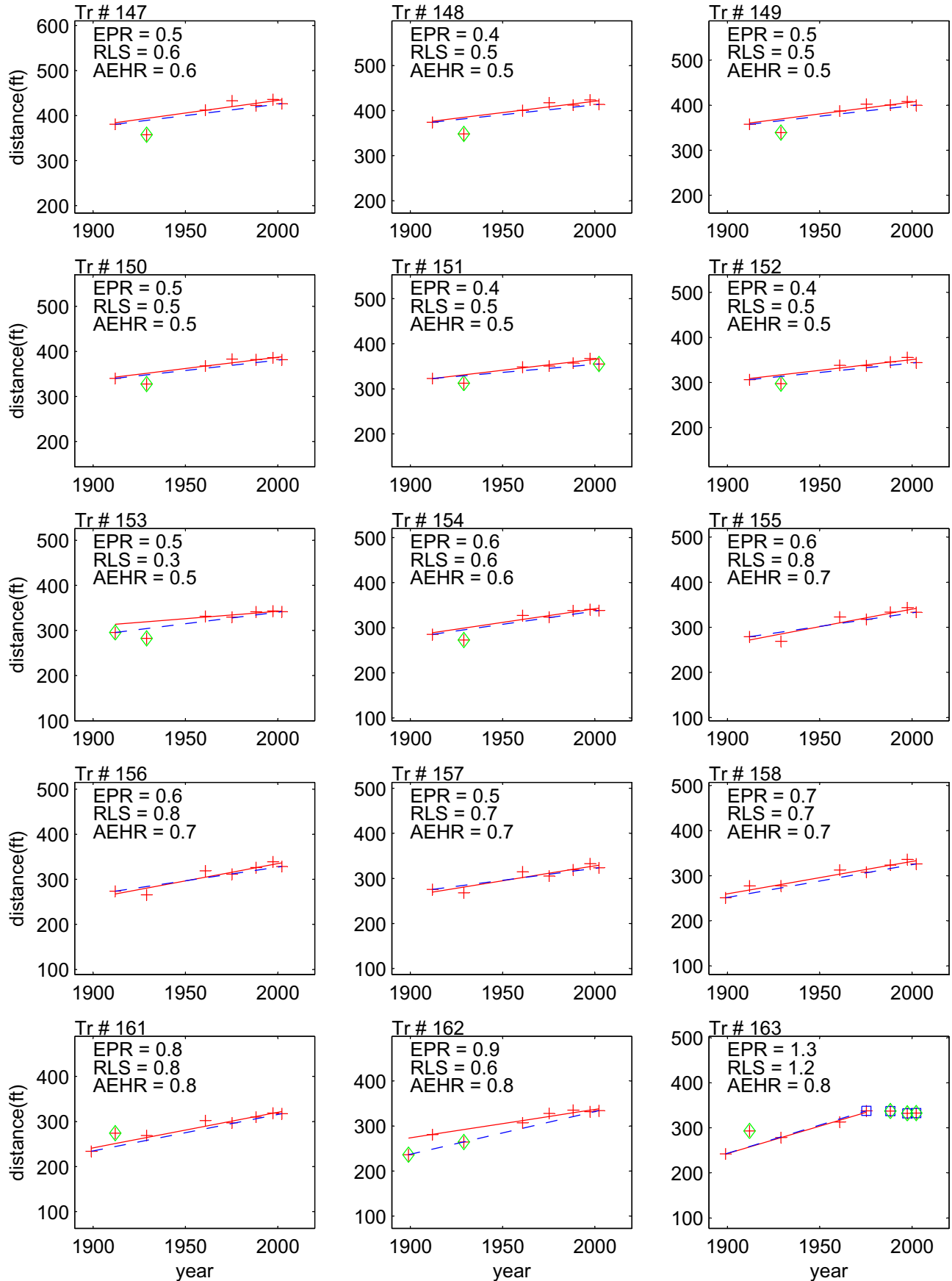
Tr # 108
EPR = -0.0
RLS = -0.1
AEHR = 0.2

+ = Shoreline Position

◇ = Outlier

□ = Hardshoreline designated at that transect location for that year.

Waiehu - Shoreline Positions and Erosion Rates

Tr # 109
EPR = -0.6
RLS = -0.9
AEHR = -0.1

Tr # 110
EPR = -1.2
RLS = 1.4
AEHR = -0.2

Tr # 111
EPR = -1.4
RLS = -1.7
AEHR = -0.8

Tr # 112
EPR = -1.0
RLS = -1.4
AEHR = -1.1

Tr # 116
EPR = -0.8
RLS = -1.0
AEHR = -1.0

Tr # 119
EPR = -1.0
RLS = -0.6
AEHR = -0.9

Tr # 120
EPR = -0.7
RLS = -0.7
AEHR = -1.1

Tr # 121
EPR = -0.4
RLS = -2.8
AEHR = -1.0

Tr # 122
EPR = 0.7
RLS = 0.8
AEHR = -0.1

Tr # 123
EPR = 0.9
RLS = 0.9
AEHR = 0.6

Tr # 124
EPR = 0.9
RLS = 1.0
AEHR = 0.8

Tr # 125
EPR = 0.9
RLS = 1.0
AEHR = 0.6

Tr # 128
EPR = 0.9
RLS = -0.8
AEHR = 0.3

Tr # 130
EPR = 0.9
RLS = 1.0
AEHR = 0.4

Tr # 131
EPR = 0.9
RLS = 1.0
AEHR = 0.3

+ = Shoreline Position

◇ = Outlier

□ = Hardshoreline designated at that transect location for that year.
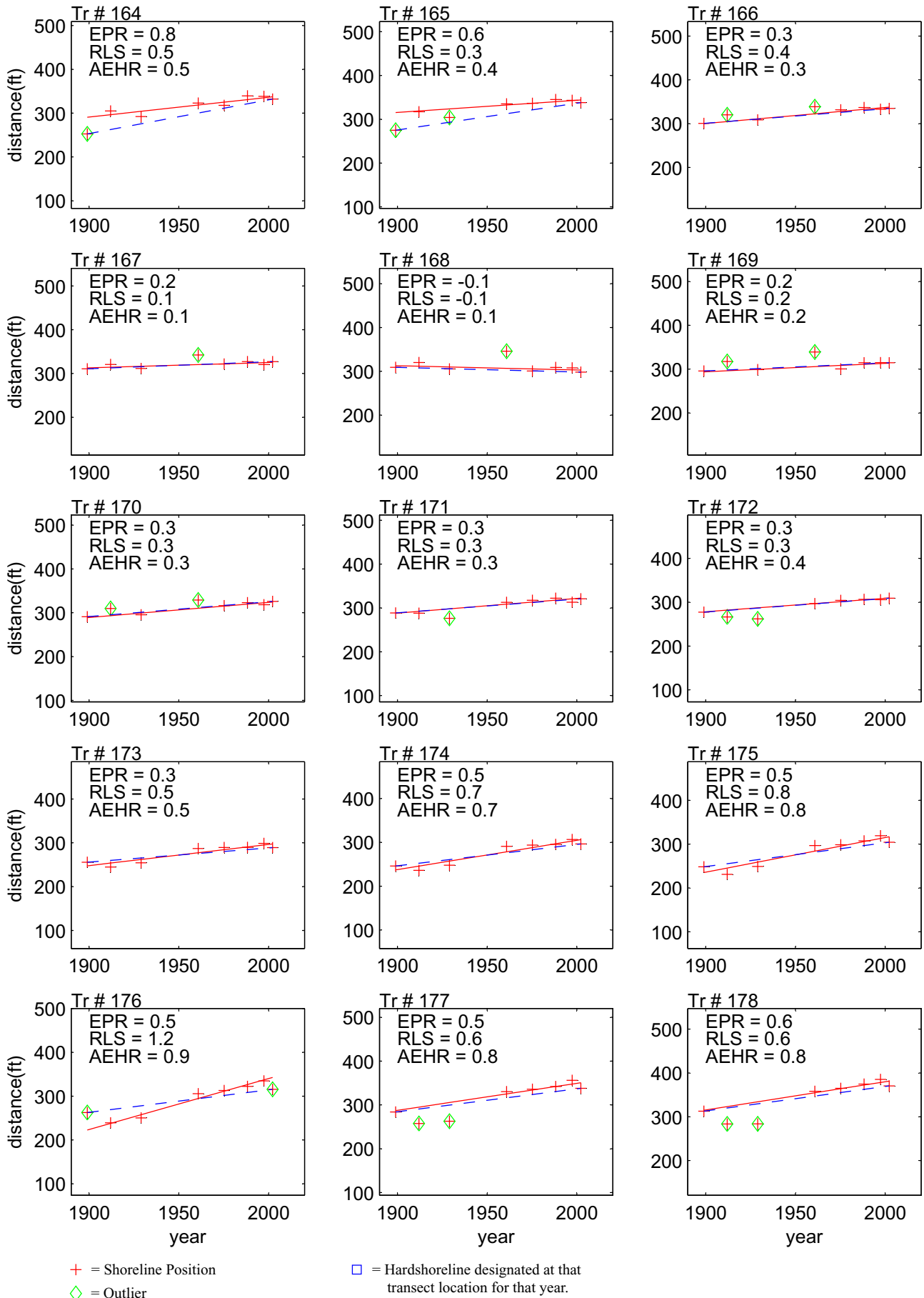
Waiehu - Shoreline Positions and Erosion Rates

Tr # 132
EPR = 0.8
RLS = -0.9
AEHR = -0.3

Tr # 133
EPR = 0.4
RLS = -0.8
AEHR = -0.7

Tr # 134
EPR = -0.1
RLS = -0.6
AEHR = -0.7

Tr # 135
EPR = 0.5
RLS = -1.1
AEHR = -0.5

Tr # 136
EPR = 1.2
RLS = 0.1
AEHR = 0.1

Tr # 137
EPR = 1.1
RLS = 1.1
AEHR = 0.7

Tr # 138
EPR = 1.0
RLS = 1.0
AEHR = 0.9

Tr # 139
EPR = 0.8
RLS = 0.9
AEHR = 0.8

Tr # 140
EPR = 0.6
RLS = 0.6
AEHR = 0.6

Tr # 141
EPR = 0.4
RLS = 0.4
AEHR = 0.4

Tr # 142
EPR = 0.3
RLS = 0.3
AEHR = 0.3

Tr # 143
EPR = 0.3
RLS = 0.1
AEHR = 0.3

Tr # 144
EPR = 0.4
RLS = 0.6
AEHR = 0.5

Tr # 145
EPR = 0.5
RLS = 0.6
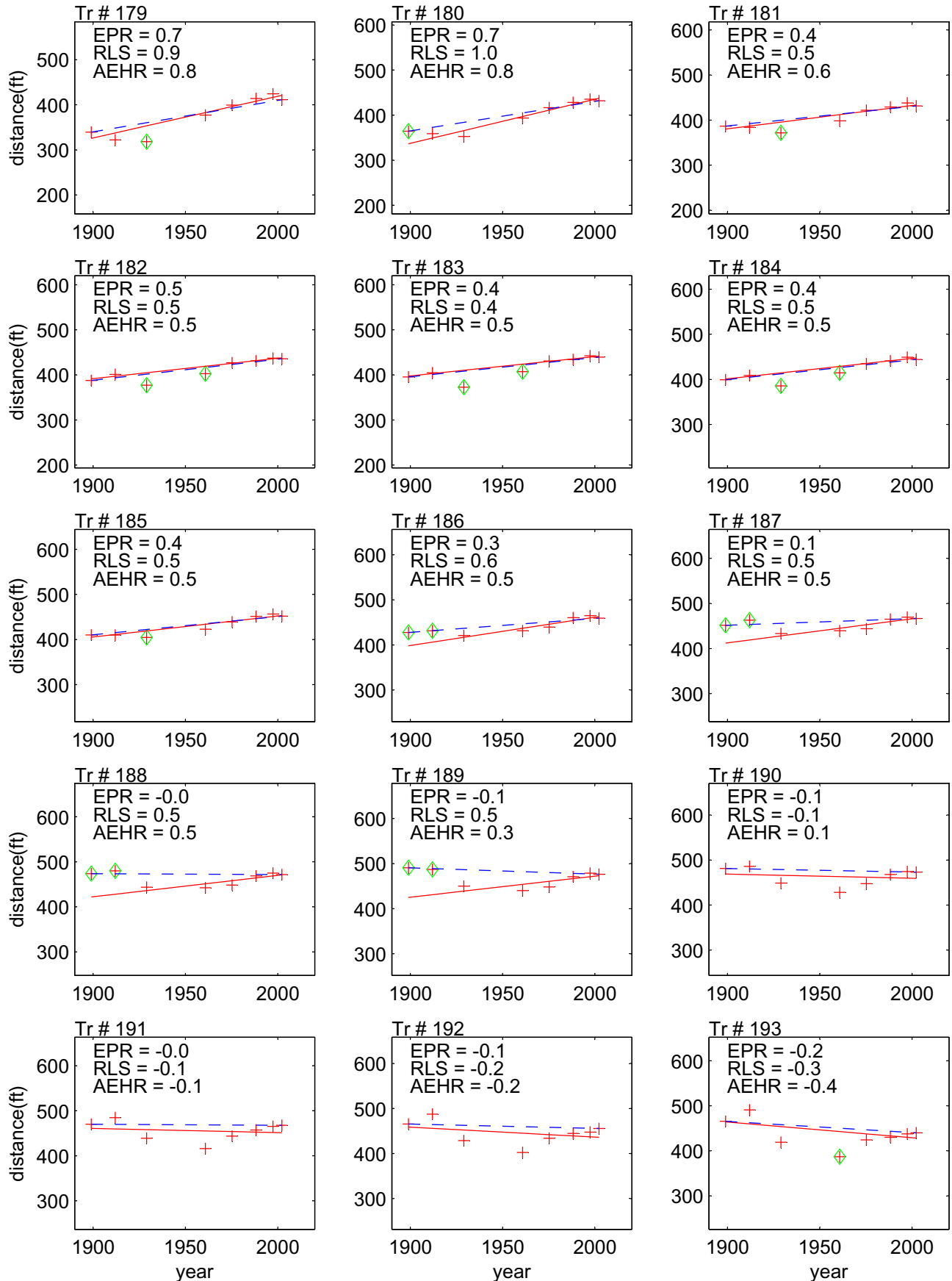AEHR = 0.5

Tr # 146
EPR = 0.6
RLS = 0.6
AEHR = 0.6

+ = Shoreline Position

◇ = Outlier

☐ = Hardshoreline designated at that transect location for that year.

Waiehu - Shoreline Positions and Erosion Rates

Tr # 147
EPR = 0.5
RLS = 0.6
AEHR = 0.6

Tr # 148
EPR = 0.4
RLS = 0.5
AEHR = 0.5

Tr # 149
EPR = 0.5
RLS = 0.5
AEHR = 0.5

Tr # 150
EPR = 0.5
RLS = 0.5
AEHR = 0.5

Tr # 151
EPR = 0.4
RLS = 0.5
AEHR = 0.5

Tr # 152
EPR = 0.4
RLS = 0.5
AEHR = 0.5

Tr # 153
EPR = 0.5
RLS = 0.3
AEHR = 0.5

Tr # 154
EPR = 0.6
RLS = 0.6
AEHR = 0.6

Tr # 155
EPR = 0.6
RLS = 0.8
AEHR = 0.7

Tr # 156
EPR = 0.6
RLS = 0.8
AEHR = 0.7

Tr # 157
EPR = 0.5
RLS = 0.7
AEHR = 0.7

Tr # 158
EPR = 0.7
RLS = 0.7
AEHR = 0.7

Tr # 161
EPR = 0.8
RLS = 0.8
AEHR = 0.8

Tr # 162
EPR = 0.9
RLS = 0.6
AEHR = 0.8

Tr # 163
EPR = 1.3
RLS = 1.2
AEHR = 0.8

+ = Shoreline Position

◇ = Outlier

□ = Hardshoreline designated at that transect location for that year.
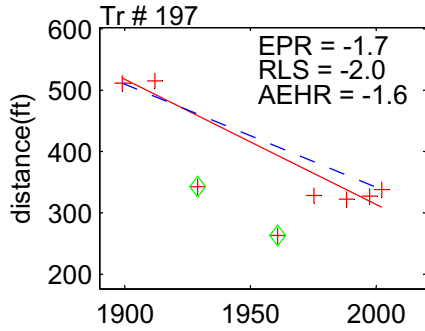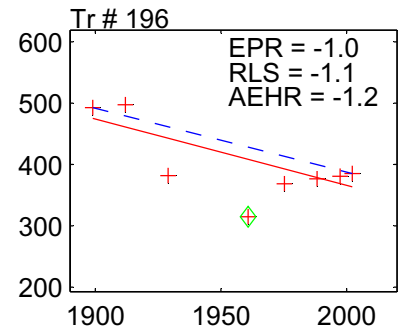
Waiehu - Shoreline Positions and Erosion Rates

Tr # 164
EPR = 0.8
RLS = 0.5
AEHR = 0.5

Tr # 165
EPR = 0.6
RLS = 0.3
AEHR = 0.4

Tr # 166
EPR = 0.3
RLS = 0.4
AEHR = 0.3

Tr # 167
EPR = 0.2
RLS = 0.1
AEHR = 0.1

Tr # 168
EPR = -0.1
RLS = -0.1
AEHR = 0.1

Tr # 169
EPR = 0.2
RLS = 0.2
AEHR = 0.2

Tr # 170
EPR = 0.3
RLS = 0.3
AEHR = 0.3

Tr # 171
EPR = 0.3
RLS = 0.3
AEHR = 0.3

Tr # 172
EPR = 0.3
RLS = 0.3
AEHR = 0.4

Tr # 173
EPR = 0.3
RLS = 0.5
AEHR = 0.5

Tr # 174
EPR = 0.5
RLS = 0.7
AEHR = 0.7

Tr # 175
EPR = 0.5
RLS = 0.8
AEHR = 0.8

Tr # 176
EPR = 0.5
RLS = 1.2
AEHR = 0.9

Tr # 177
EPR = 0.5
RLS = 0.6
AEHR = 0.8

Tr # 178
EPR = 0.6
RLS = 0.6
AEHR = 0.8

+ = Shoreline Position

◇ = Outlier

□ = Hardshoreline designated at that transect location for that year.
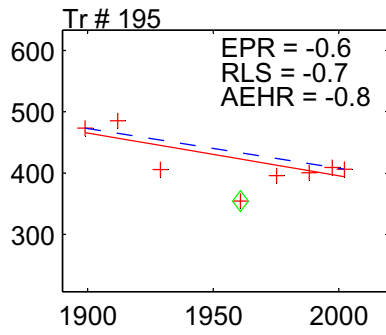
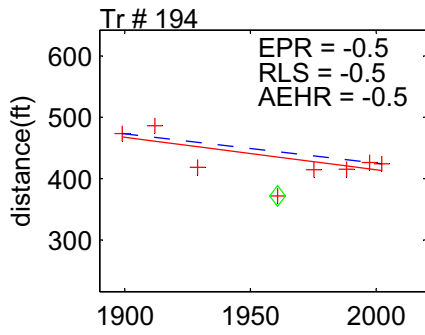# Waiehu - Shoreline Positions and Erosion Rates

Tr # 179
EPR = 0.7
RLS = 0.9
AEHR = 0.8

Tr # 180
EPR = 0.7
RLS = 1.0
AEHR = 0.8

Tr # 181
EPR = 0.4
RLS = 0.5
AEHR = 0.6

Tr # 182
EPR = 0.5
RLS = 0.5
AEHR = 0.5

Tr # 183
EPR = 0.4
RLS = 0.4
AEHR = 0.5

Tr # 184
EPR = 0.4
RLS = 0.5
AEHR = 0.5

Tr # 185
EPR = 0.4
RLS = 0.5
AEHR = 0.5

Tr # 186
EPR = 0.3
RLS = 0.6
AEHR = 0.5

Tr # 187
EPR = 0.1
RLS = 0.5
AEHR = 0.5

Tr # 188
EPR = -0.0
RLS = 0.5
AEHR = 0.5

Tr # 189
EPR = -0.1
RLS = 0.5
AEHR = 0.3

Tr # 190
EPR = -0.1
RLS = -0.1
AEHR = 0.1

Tr # 191
EPR = -0.0
RLS = -0.1
AEHR = -0.1

Tr # 192
EPR = -0.1
RLS = -0.2
AEHR = -0.2

Tr # 193
EPR = -0.2
RLS = -0.3
AEHR = -0.4

+ = Shoreline Position

◇ = Outlier

□ = Hardshoreline designated at that transect location for that year.

Waiehu - Shoreline Positions and Erosion Rates

Tr # 194

EPR = -0.5
RLS = -0.5
AEHR = -0.5

distance(ft)

Tr # 195

EPR = -0.6
RLS = -0.7
AEHR = -0.8

Tr # 196

EPR = -1.0
RLS = -1.1
AEHR = -1.2

Tr # 197

EPR = -1.7
RLS = -2.0
AEHR = -1.6

distance(ft)

+ = Shoreline Position

◇ = Outlier

□ = Hardshoreline designated at that
transect location for that year.