

# Maps (of Friendship)

For andPlay

By Sky Macklay

Commissioned by the  
Barlow Endowment for Music Composition  
at Brigham Young University

## Maps (of Friendship) For violin, viola, and video

### Program Notes

Maps (of Friendship) was inspired by the beautiful friendship and busy lives of the two members of andPlay, Maya Bennardo and Hannah Levinson. It is also a creative sonification and visualization of their mostly-real travel times on different modes of transportation in New York City and Sweden. The intersections of time, convenience, comfort, cost, relationships, and values shape our decisions about how far is too far to travel for any particular thing, and these decisions are not only personal, but greatly impacted by infrastructure, weather, and other chaotic factors. This piece expresses the complex emotions and diverse experiences of time we encounter in transit.

### Performance Notes

The video component of Maps (of Friendship) is a file containing both the video and a click track. The performers should listen to the video's sound via headphones during performance in order to facilitate close synchronization. All the sound the audience hears is acoustic, so no speakers are needed.

The technical needs are:

- computer
- projector and screen
- HDMI or similar cable to connect the computer and the projector
- headphone splitter
- 2 pairs of headphones with chords long enough to allow the performers to play comfortably

To obtain the video/click track file please email the composer at:  
[sky.macklay@gmail.com](mailto:sky.macklay@gmail.com)

# Maps (of Friendship)

for andPlay

Sky Macklay

♩ = 122

metronome intro

Violin

Viola

*ppp* *f*

*ppp* *f*

3 3 3 3 6

3 3 6

Detailed description: This section is a metronome introduction in 4/4 time. The Violin part starts with a rest, followed by a triplet of eighth notes, then a series of eighth notes with slurs, and ends with a sixteenth-note triplet. The Viola part follows a similar pattern with a rest, a triplet of eighth notes, eighth notes with slurs, and a sixteenth-note triplet. Dynamics range from *ppp* to *f*.

1. Hannah home to NYU

crunch bow

Vln.

Vla.

*sub. p* *f*

*p* *mf* *p* *f*

3 3 3 3

trm 3 trm

Detailed description: Section 1, 'Hannah home to NYU', is in 4/4 time. The Violin part begins with a *sub.* *p* dynamic, followed by eighth notes with accents, a 'crunch bow' section with eighth notes and accents, and ends with a triplet of eighth notes and a trill. The Viola part features a triplet of eighth notes, eighth notes with accents, a triplet of eighth notes, and a triplet of eighth notes with a trill. Dynamics include *p*, *mf*, and *f*.

2. Maya home to NYU

Vln.

Vla.

*p* *f* *pp* *p* *mf*

*p* *f* *pp* *p* *mf*

3 3 3 3

Detailed description: Section 2, 'Maya home to NYU', is in 4/4 time. The Violin part starts with a triplet of eighth notes, followed by eighth notes with accents, a triplet of eighth notes, eighth notes with accents, and a triplet of eighth notes with a trill. Dynamics range from *p* to *mf*. The Viola part features a triplet of eighth notes, eighth notes with accents, a triplet of eighth notes, eighth notes with accents, and a triplet of eighth notes with a trill. Dynamics range from *p* to *mf*.

♩ = 97

3. Hannah NYU to home

Vln.

Vla.

*f* *p* *f*

*f* *p* *mf* *p* *f*

3 3 3 3

trm 3

Detailed description: Section 3, 'Hannah NYU to home', is in 4/4 time. The Violin part begins with a triplet of eighth notes and a trill, followed by eighth notes with accents, eighth notes with accents, eighth notes with accents, and eighth notes with accents. Dynamics range from *f* to *p*. The Viola part features a triplet of eighth notes, eighth notes with accents, eighth notes with accents, eighth notes with accents, and eighth notes with accents. Dynamics range from *f* to *f*.

2 ♩ = 104 4. Maya NYU to home

Vln. *mf* *p* *pp* *f* *p* *f*

Vla. *mf* *p* *pp* *f* *p* *f*

16 ♩ = 122 5. Hannah home to NYU

Vln. *f* *p* *f*

Vla. *f* *p* *mf* *p* *f*

19 ♩ = 140 6. Maya home to NYU

Vln. *p* *f* *pp* *p*

Vla. *p* *f* *pp* *p*

21 ♩ = 120 7. Together walk to Pot Jiany

Vln. *mf* *pizz.*

Vla. *mf* *pizz.*

23 ♩ = 108 8. Hannah Pot Jiany to home

Vln. *f* *p* *f*

Vla. *f* *p* *mf* *p* *f*

♩ = 140 9. Maya Pot Jiany to home

Vln. *mf* *p* *pp* *f* *p* *f*

Vla. *mf* *p* *pp* *f* *p* *f*

♩ = 102 10. Maya to Hannah's home

pizz. arco crunch bow pizz.

Vln. *mf* pizz. arco crunch bow pizz.

Vla. *mf* pizz. arco pizz.

♩ = 119 11. Maya home from Hannah's home

(pizz.) arco pizz. crunch bow arco

Vln. (pizz.) arco pizz. crunch bow arco

Vla. (pizz.) arco pizz. crunch bow arco

♩ = 122 12. Hannah home to NYU

arco *f* *sub.* *p* *f* *f*

Vln. *f* *sub.* *p* *f* *f*

Vla. *f* *p* *mf* *p* *f*

♩ = 108 13. Hannah NYU to home

*f* *p* *f*

Vln. *f* *p* *f*

Vla. *f* *p* *mf* *p* *f*

4 45 ♩ = 138 14. Maya home to Brooklyn Waldorf School

Vln. pizz. arco pizz.  
*mp* *f* *p*

Vla. *p* *f* *p*

47 ♩ = 118 15. Maya home from Brooklyn Waldorf School

Vln. arco pizz.  
*f* *p*

Vla. *f* *p*

49 ♩ = 96 16. Hannah home to WCSU

Vln. arco  
*f*

Vla. *f*

51

Vln. *pp*

Vla. *pp*

53 ♩ = 80 17. Hannah WCSU to home

Vln. *pp*

Vla. *pp*

55

Vln. *f*

Vla. *f*

Measures 55-56. Violin and Viola parts. Both parts feature triplets of eighth notes. Dynamics are *f* (forte). The key signature has one sharp (F#).

♩ = 120 18. Maya home to NYU

57

Vln. *f p f pp p mf*

Vla. *f p f pp mf*

Measures 57-60. Violin and Viola parts. Dynamics range from *f* (forte) to *mf* (mezzo-forte). Includes triplets and a fermata in measure 58. The key signature has one sharp (F#).

♩ = 108 19. Hannah home to NYU

60

Vln. *f sub. p f*

Vla. *f p mf p f*

Measures 60-63. Violin and Viola parts. Dynamics range from *f* (forte) to *mf* (mezzo-forte). Includes triplets and trills (tr) in measures 62 and 63. The key signature has one sharp (F#).

♩ = 132 20. Maya NYU to home

63

Vln. *mf p pp f p f*

Vla. *mf p pp f p f*

Measures 63-66. Violin and Viola parts. Dynamics range from *mf* (mezzo-forte) to *f* (forte). Includes triplets. The key signature has one sharp (F#).

6  $\text{♩} = 105$  21. Hannah NYU to home

66 *trm* 3 *f* crunch bow *p* *f*

Vln. *f* *p* *f*

Vla. *f* *p* *mf* *p* *f*

69  $\text{♩} = 134$  22. Maya home to Co-op

69 *p* *f* *p*

Vln. *p* *f* *p*

Vla. *p* *f* *p*

71  $\text{♩} = 126$  23. Maya Co-op to home

71 *f* *p* *f* *p*

Vln. *f* *p*

Vla. *f* *p*

$\text{♩} = 108$  24. Hannah home to Maya home

73 *mf* *mf* *arco* *crunch* *bow* *pizz.* *arco*

Vln. *mf* *mf* *arco* *crunch* *bow* *pizz.* *arco*

Vla. *mf* *mf* *arco* *crunch* *bow* *pizz.* *arco*

$\text{♩} = 101$  25. Hannah home from Maya's home (late)

78 *f* *p* *f* *p* *f* *p* *f* *p* *f* *pizz.* *f* *arco*

Vln. *f* *p* *f* *p* *f* *p* *f* *pizz.* *f* *arco*

Vla. *f* *p* *f* *p* *f* *p* *f* *pizz.* *f* *arco*



♩ = 85 26. Maya home to BWS (walking)

83 (pizz.)

Vln. *mp* *f mp*

Vla. (pizz.) *mp* *f mp*

85 27. Maya from BWS to home (walking)

Vln. *f mp*

Vla. *f mp*

PART 2

87 ♩ = 118 1. Hannah and Maya to JFK split screen

Vln. arco

Vla. sul tasto *p* *mf p*

90 (pizz.)

Vln. *mp*

Vla. *mf p*

93 ♩ = 60 2. Hannah and Maya JFK to SAA

Vln. arco sul tasto *n* *mp* *p* *pp*

Vla. *pp* *mp*

(sul tasto)

8

98

Vln.

Vla.

molto sul pont

103

Vln.

Vla.

*p*

*pp*

*mp*

*ppp*

sul tasto

normale

normale

*ppp*

♩ = 128 3. Hannah and Maya to Klubb 19

108

Vln.

Vla.

*mf*

*mf*

11th partial (-49c)

13th partial (+41c)

7th partial (-31c)

(fundamental)

♩ = 99 4. Hannah and Maya Klubb 19 to Elektronmusikstudion

113

Vln.

Vla.

(13th)

(11th)

♩ = 102 5. Hannah and Maya Electronmusikstudion to Sprängärvägen

118 extremely light, airy, wispy bowing, mostly bow sound with pitches sometimes emerging

Vln. *mp* *p*

Vla. *mp* *p*

extremely light, airy, wispy bowing, mostly bow sound with pitches sometimes emerging

121

Vln.

Vla.

♩ = 136 6. Hannah and Maya Sprängärvägen to Österåkers

♩ = 129 7. Hannah and Maya Österåkers to Stockholm

124 *pizz.* *arco, light airy wispy bowing*

Vln. *mf* *mp*

Vla. *pizz.* *arco, light airy wispy bowing*

*mf* *mp*

127

Vln. *p* *mp*

Vla. *p* *mp*

130

Vln.

Vla.

*pp* *f*

*pp* *f*

3

133

Vln.

Vla.

*p* *f*

*p* *f*

3

136

Vln.

Vla.

*p* *f*

*p* *f*

3

139

Vln.

Vla.

*p* *f*

*p*

3

3/4 4/4

3/4 4/4

♩ = 74 9. Hannah and Maya Gallery 21 Malmö to Pygméteatern

143

Vln. *f* *p f*

Vla. *f* *p f*

Detailed description: This system covers measures 143 to 146. The Violin part (Vln.) starts with a half note G4, followed by a quarter note A4, and a quarter note B4. A slur covers these three notes, with a *f* dynamic marking below. A triplet of eighth notes (G4, A4, B4) is indicated with a '3' and a bracket. The Violin part then continues with a half note Bb4, a quarter note C5, and a quarter note Bb4. A slur covers these notes, with a *p f* dynamic marking below. The Viola part (Vla.) starts with a half note G3, followed by a quarter note A3, and a quarter note B3. A slur covers these notes, with a *f* dynamic marking below. The Viola part then continues with a half note Bb3, a quarter note C4, and a quarter note Bb3. A slur covers these notes, with a *p f* dynamic marking below. A triplet of eighth notes (Bb3, C4, Bb3) is indicated with a '3' and a bracket.

147

Vln. *p f*

Vla. *p f*

Detailed description: This system covers measures 147 to 150. The Violin part (Vln.) starts with a half note Bb4, followed by a quarter note C5, and a quarter note Bb4. A slur covers these notes, with a *p f* dynamic marking below. The Violin part then continues with a half note C5, a quarter note D5, and a quarter note C5. A slur covers these notes, with a *p f* dynamic marking below. A triplet of eighth notes (C5, D5, C5) is indicated with a '3' and a bracket. The Viola part (Vla.) starts with a half note Bb3, followed by a quarter note C4, and a quarter note Bb3. A slur covers these notes, with a *p f* dynamic marking below. The Viola part then continues with a half note C4, a quarter note D4, and a quarter note C4. A slur covers these notes, with a *p f* dynamic marking below. A triplet of eighth notes (C4, D4, C4) is indicated with a '3' and a bracket.

150

Vln. *p f*

Vla. *p f*

Detailed description: This system covers measures 150 to 153. The Violin part (Vln.) starts with a half note Bb4, followed by a quarter note C5, and a quarter note Bb4. A slur covers these notes, with a *p* dynamic marking below. The Violin part then continues with a half note C5, a quarter note D5, and a quarter note C5. A slur covers these notes, with a *f* dynamic marking below. The Viola part (Vla.) starts with a half note Bb3, followed by a quarter note C4, and a quarter note Bb3. A slur covers these notes, with a *p* dynamic marking below. The Viola part then continues with a half note C4, a quarter note D4, and a quarter note C4. A slur covers these notes, with a *f* dynamic marking below. A triplet of eighth notes (C4, D4, C4) is indicated with a '3' and a bracket.

153

♩ = 132 10. Hannah and Maya Pygméteatern to SAA

Vln. *p*

Vla. *p*

Detailed description: This system covers measures 153 to 156. The Violin part (Vln.) starts with a half note Bb4, followed by a quarter note C5, and a quarter note Bb4. A slur covers these notes, with a *p* dynamic marking below. The Violin part then continues with a half note C5, a quarter note D5, and a quarter note C5. A slur covers these notes, with a *p* dynamic marking below. The Viola part (Vla.) starts with a half note Bb3, followed by a quarter note C4, and a quarter note Bb3. A slur covers these notes, with a *p* dynamic marking below. The Viola part then continues with a half note C4, a quarter note D4, and a quarter note C4. A slur covers these notes, with a *p* dynamic marking below. The system concludes with a double bar line and a repeat sign. The time signature changes from 4/4 to 3/4, then back to 4/4, and finally to 13/4.

158

Vln. *sul tasto*

Vla. *sul tasto*

*n* *mp* *p* *pp*

(*sul tasto*)

*pp* *mp*

163

Vln. *molto sul pont*

Vla.

168

Vln. *p* *pp* *mp* *ppp*

Vla. *sul tasto*

*ppp*

173

Vln. *pizz.* *mp*

Vla. *sul tasto* *p* *mf* *p*

176

Vln. *arco*

Vla.

179 ♩ = 60 1. Hannah and Maya deep breaths

*f* > *p* *f* > *p* *f* > *p* *f* > *p* *f* *ppp* *f*

normale

3 6 6

183 ♩ = 122 2. Hannah home to NYU

*sub. p* *f* *f*

3 3 3 *tr*

*p* *mf* *p* *f*

186 3. Maya home to NYU with big delay

*p* *f* *pp*

*p* *f* *pp*

189

*p*

*p*

192

*p*

*p*

14

195

Vln.

Vla.

$\text{♩} = 120$  4. Both to Pot Jiany

*mf*

*pizz.*

3

3

2/4

4/4

4/4

198

Vln.

Vla.

$\text{♩} = 108$  5. Hannah Pot Jiany to home with big delay

arco

*f*

*p*

3

3

4/4

4/4

201

Vln.

Vla.

sul pont.

*f*

3

5

5

3

3

5

5

3

203

Vln.

Vla.

3

*p*

*f*

3

3

*p*

*f*

205

Vln.

Vla.

*mf*

*p*

*f*

*mf*

3

*p*

3

*f*



♩ = 140 6. Maya Pot Jiany to home

Vln. *mf* *p* *pp* *f* *p* *f*

Vla. *mf* *p* *pp* *f* *p* *f*

♩ = 96 7. Hannah home to WCSU

Vln. *f*

Vla. *f*

Vln. *pp*

Vla. *pp*

♩ = 80 8. Hannah WCSU to home (snow storm) rit.

Vln. *mp* light, wispy bowing

Vla. *mp* light, wispy bowing

Vln. *mp*

Vla. *mp*

16  $\text{♩} = 108$  9. Hannah and Maya to NYU split screen

219

Vln. *p* *f* *pp* *p* *f*

Vla. *p* *mf* *p* *f*

222

Vln. *mp* *f* 3 5 5 5 3 3 3

Vla. *mp* *f* 3 5 5 5 3 3 3

sul pont.

224

Vln. *pp* 3 3 *f* 3

Vla. *pp* 3 3 *f* 3

col legno battuto (and sul pont.) normale

$\text{♩} = 102$  10. Hannah and Maya NYU to home split screen

227

Vln. *mf* 3 *p* *pp*

Vla. *p* *mf* *p* *f*

230

Vln. *ff*

Vla. *f* crunch bow

233 col legno battuto

Vln. *f*

Vla. col legno battuto *f*

♩ = 100 11. Hannah home to Areté

236 arco

Vln. *f* *sub.* *p* *ff* *mp*

Vla. arco *f* *p* *mf* *p* *ff* *mp*

♩ = 94 12. Maya home to Areté

240

Vln. *pp* *f* *pp* *f* *pp* *mp*

Vla. *pp* *f* *pp* *f* *pp* *f* *pp* *mp*

♩ = 128 13. Hannah and Maya Areté to Hoyt-Schermerhorn G stop

♩ = 100 14. Split screen, G stop to homes, sharing dream bubble of train to Klubb19

243

Vln. *f* *p*

Vla. *f* *p*

246

Vln. *n* *p*

Vla. *n* *p*

18  
248  
Vln. *n p*  
Vla. *n P*

251  
Vln. *n ppp* *sul tasto*  
Vla. *n ppp* *sul tasto*

253  
Vln. normale 11th partial (-49c) 13th partial (+41c) 7th partial (-31c) *mf*  
Vla. normale *mf*

257  
Vln. *ppp* *mf* *sul tasto* normale (fundamental) (7th)  
Vla. *ppp* *mf* *sul tasto* normale

261  
Vln. *ppp* *mp* (13th) (11th) *ppp*  
Vla. *ppp* *mp* *ppp*