

STUDY REPORT W&AR-21
THE LOWER TUOLUMNE RIVER FLOODPLAIN HYDRAULIC
ASSESSMENT

ATTACHMENT I

USEABLE HABITAT AREAS AT REPRESENTATIVE SITES

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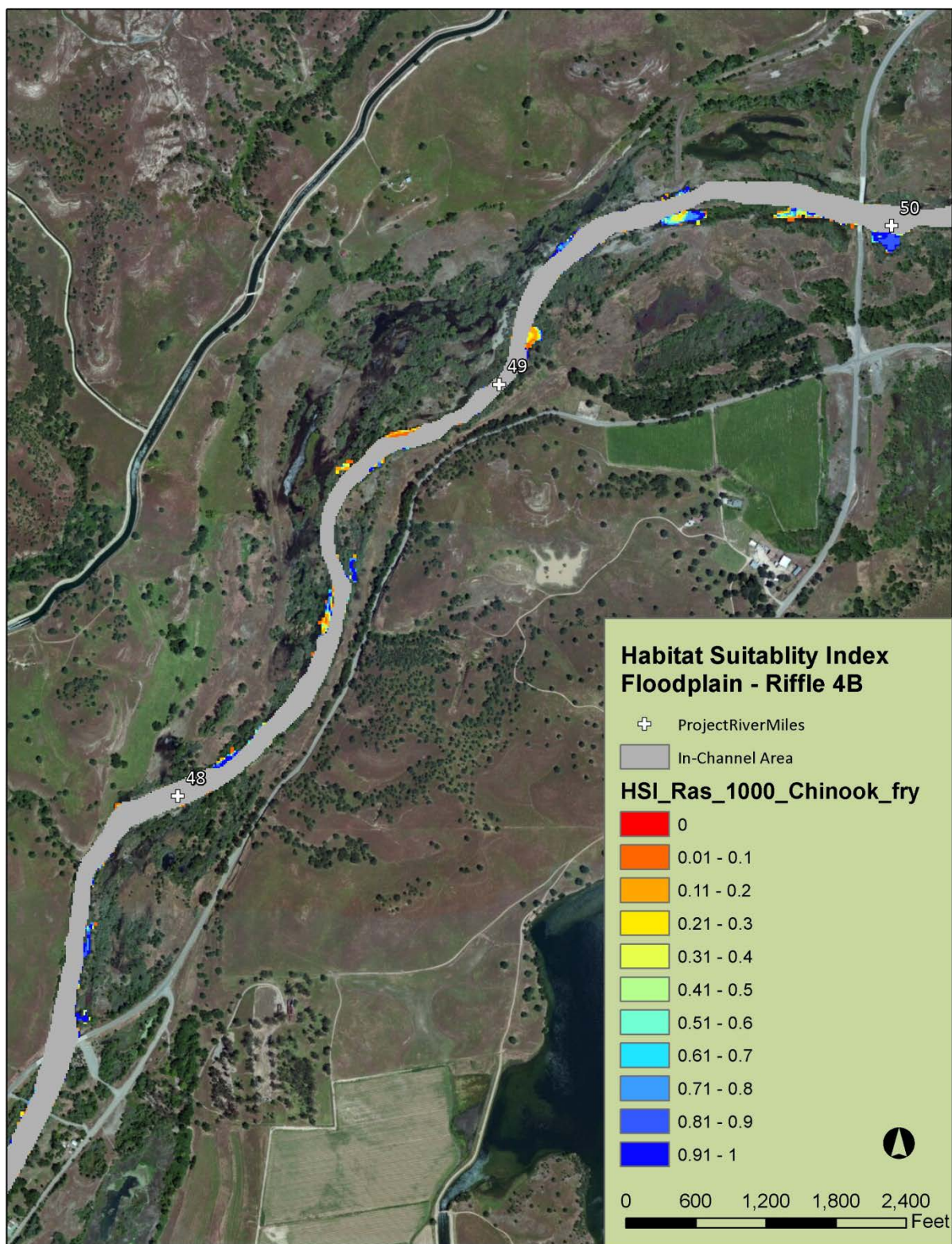


Figure 1. Example plot of joint Chinook salmon fry habitat suitability at modeled floodplain depths and velocities for 1,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

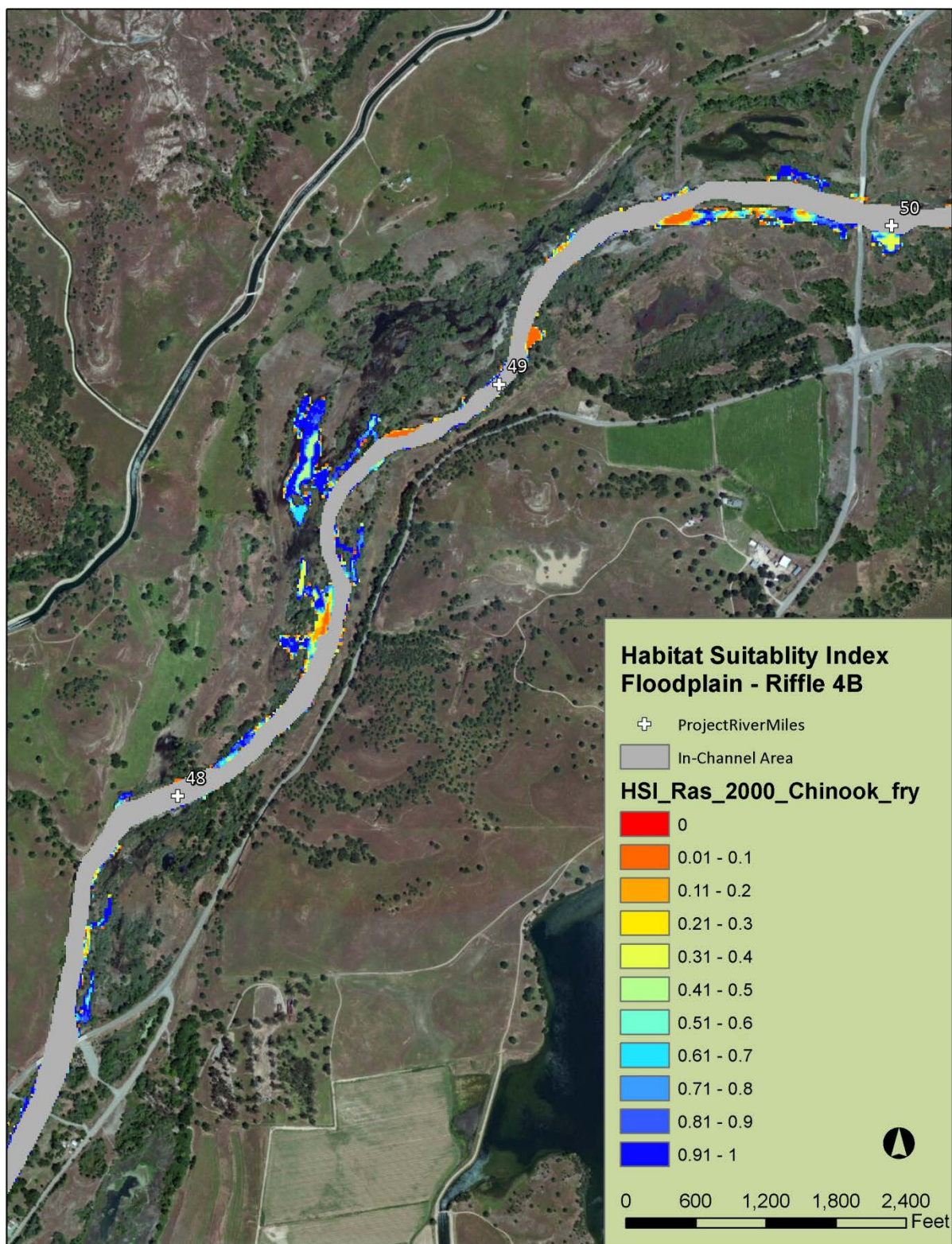


Figure 2. Example plot of joint Chinook salmon fry habitat suitability at modeled floodplain depths and velocities for 2,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

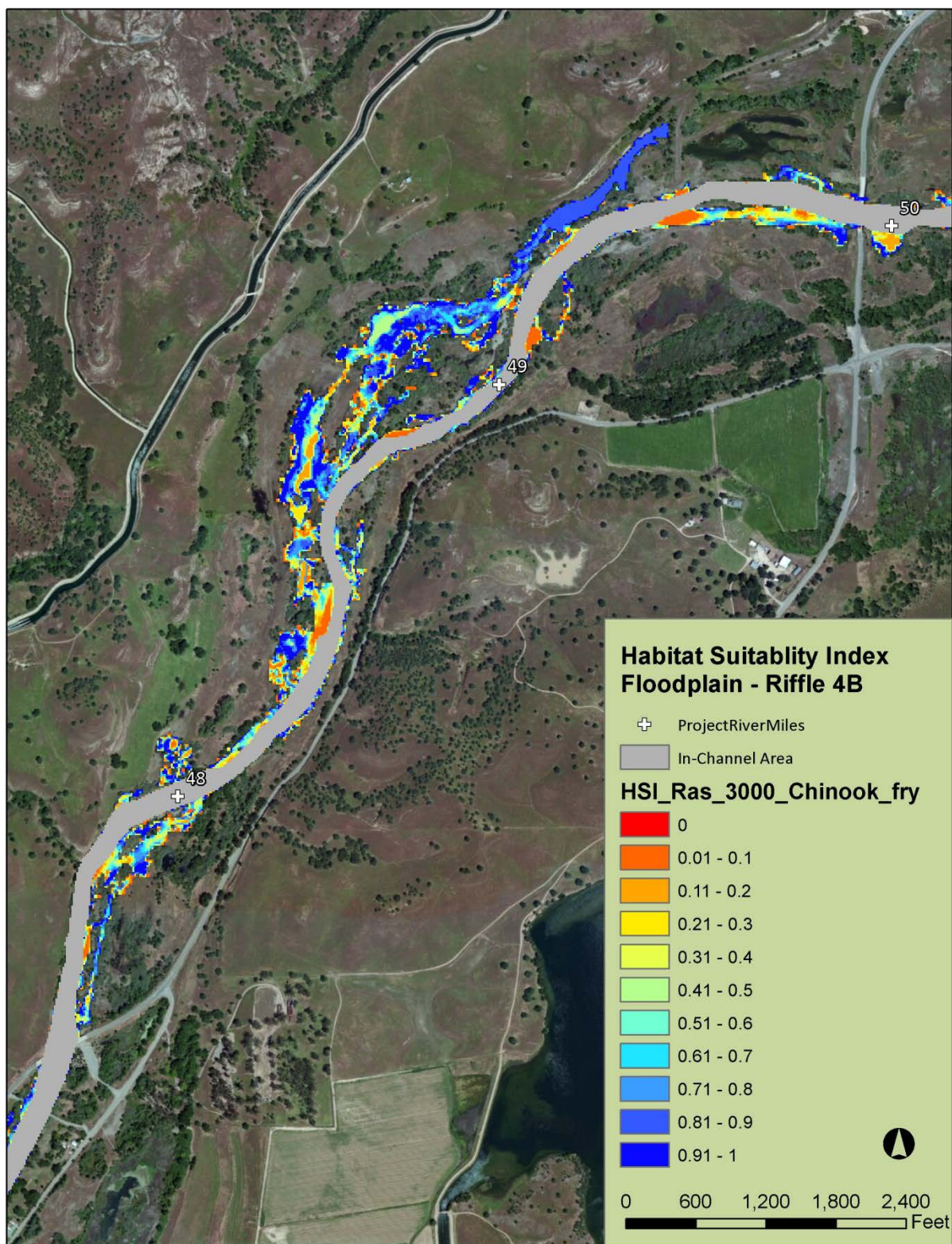


Figure 3. Example plot of joint Chinook salmon fry habitat suitability at modeled floodplain depths and velocities for 3,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

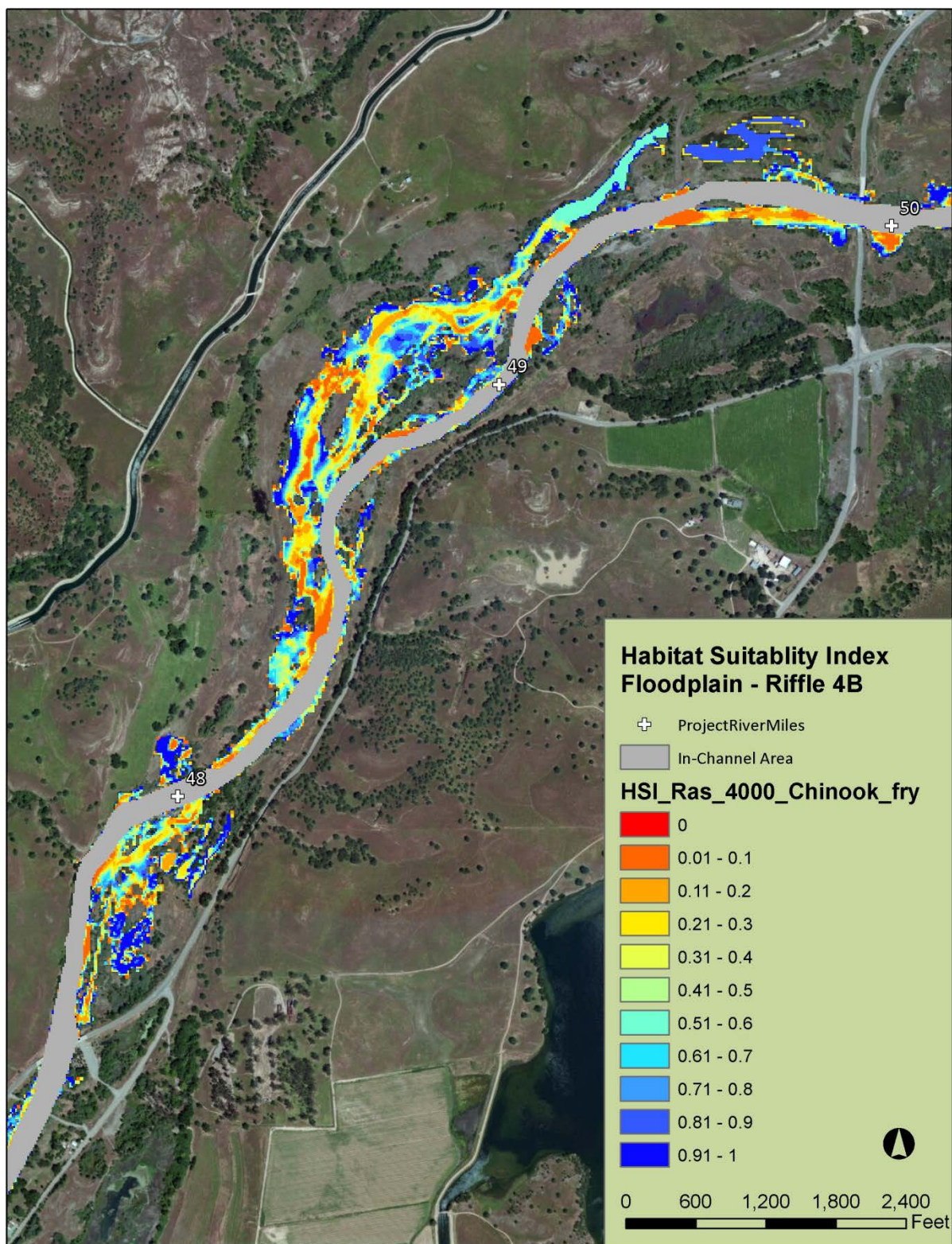


Figure 4. Example plot of joint Chinook salmon fry habitat suitability at modeled floodplain depths and velocities for 4,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

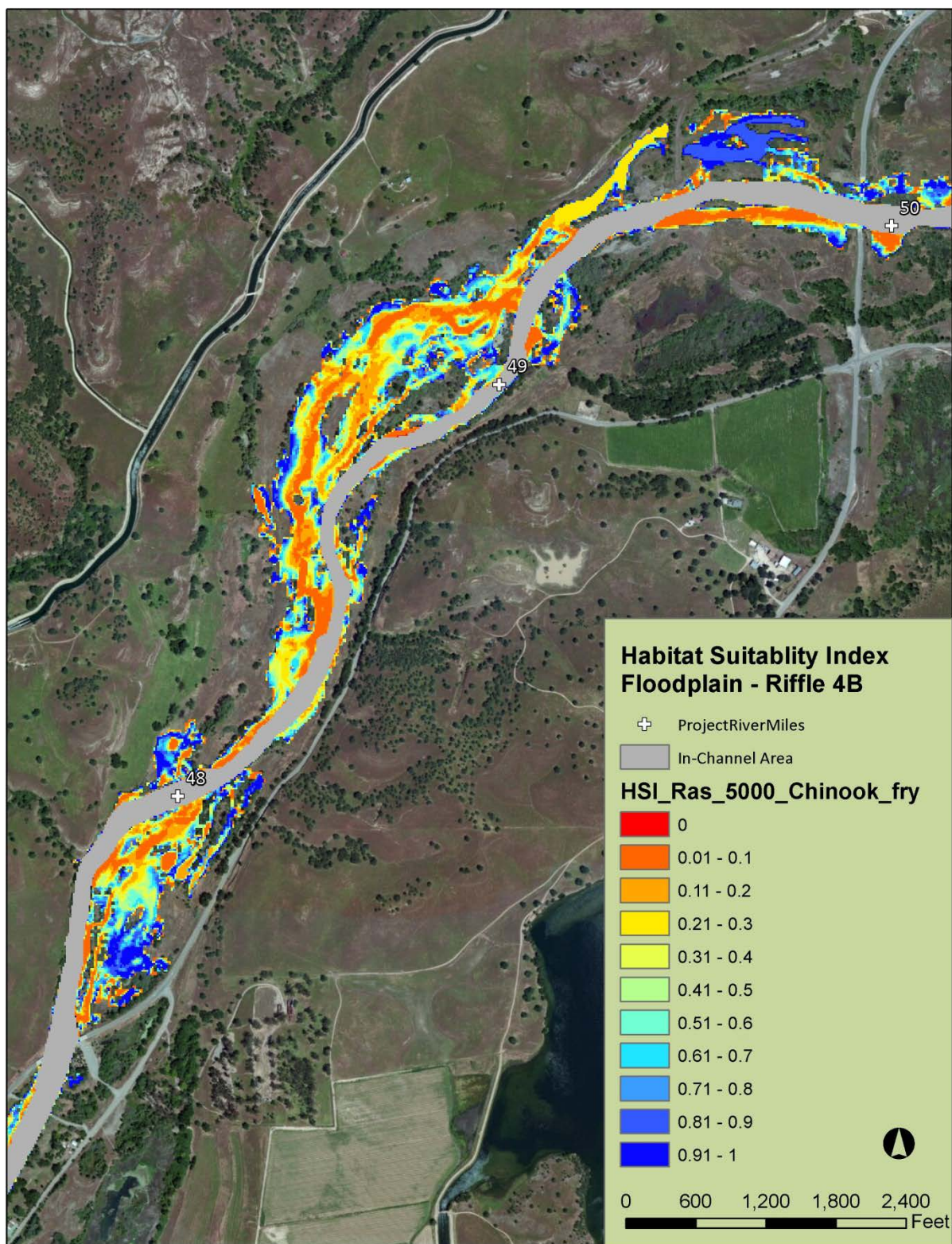


Figure 5. Example plot of joint Chinook salmon fry habitat suitability at modeled floodplain depths and velocities for 5,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

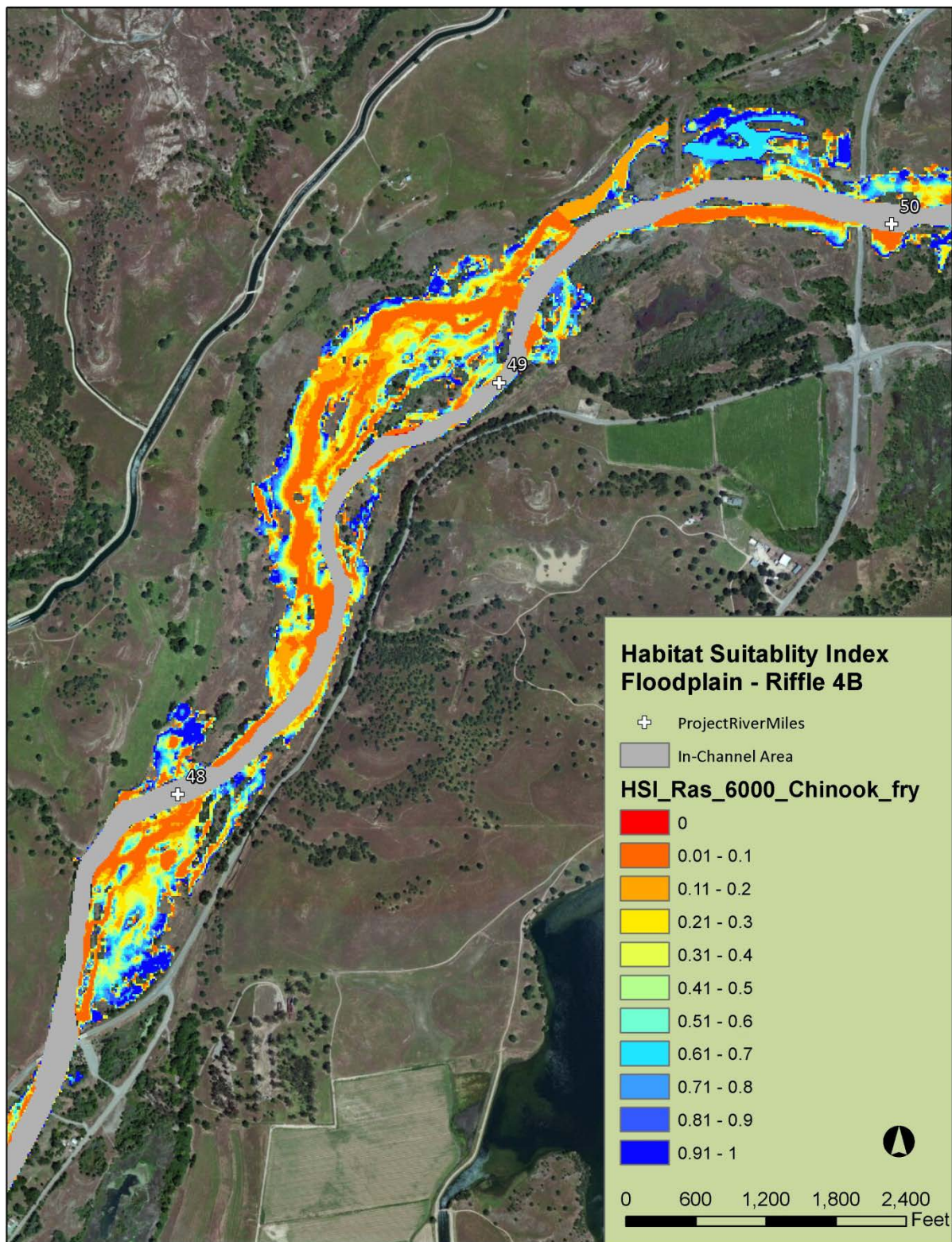


Figure 6. Example plot of joint Chinook salmon fry habitat suitability at modeled floodplain depths and velocities for 6,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

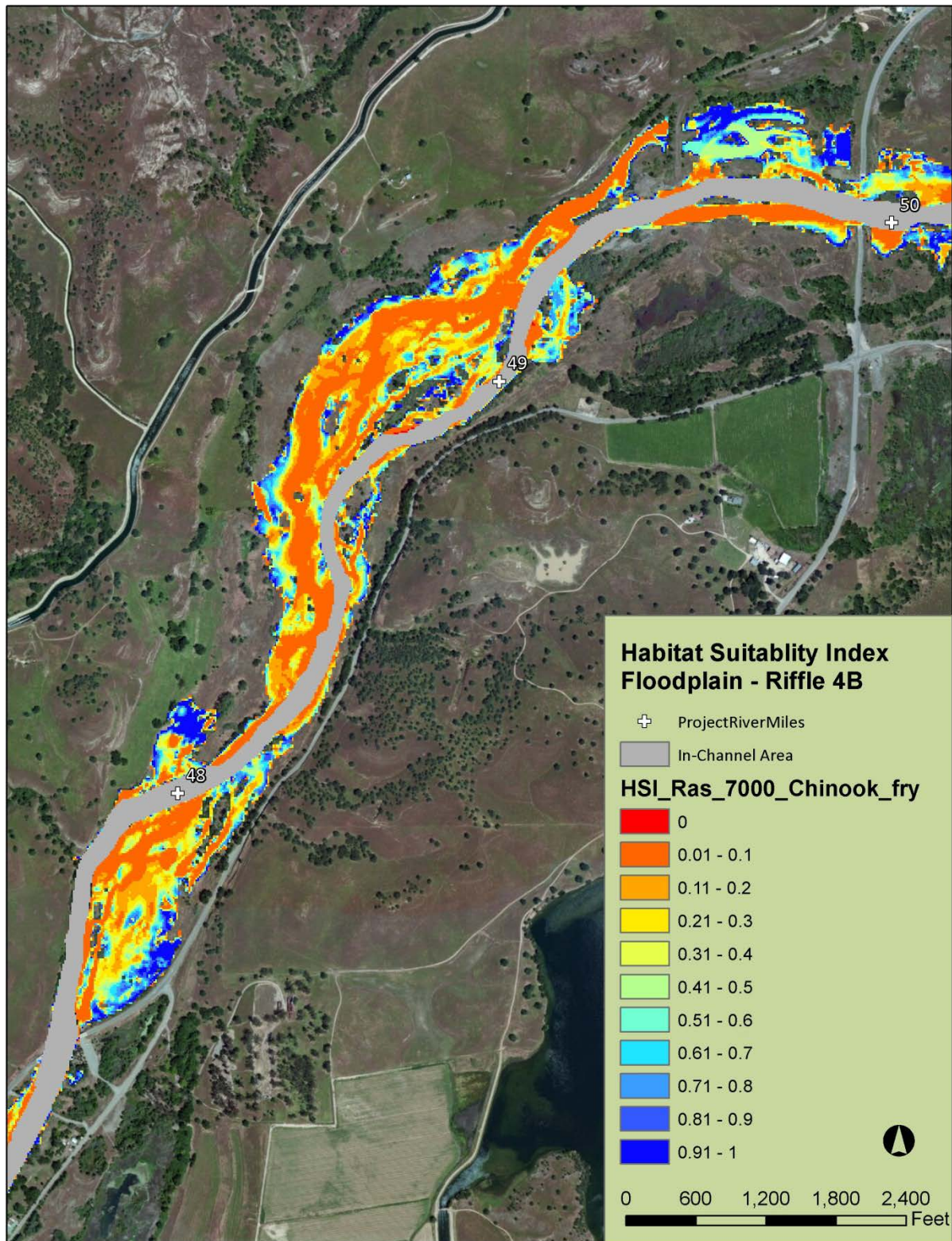


Figure 7. Example plot of joint Chinook salmon fry habitat suitability at modeled floodplain depths and velocities for 7,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

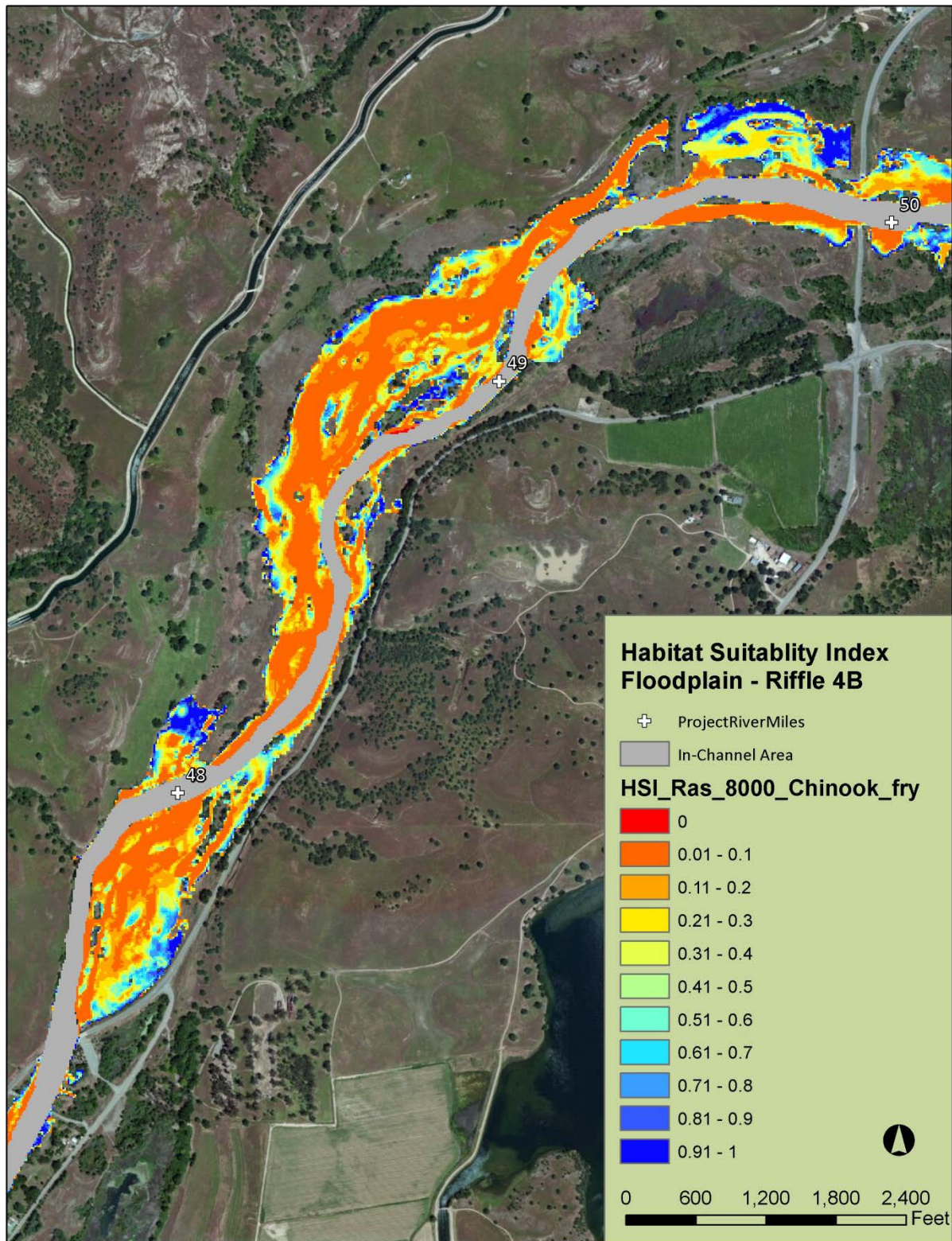


Figure 8. Example plot of joint Chinook salmon fry habitat suitability at modeled floodplain depths and velocities for 8,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

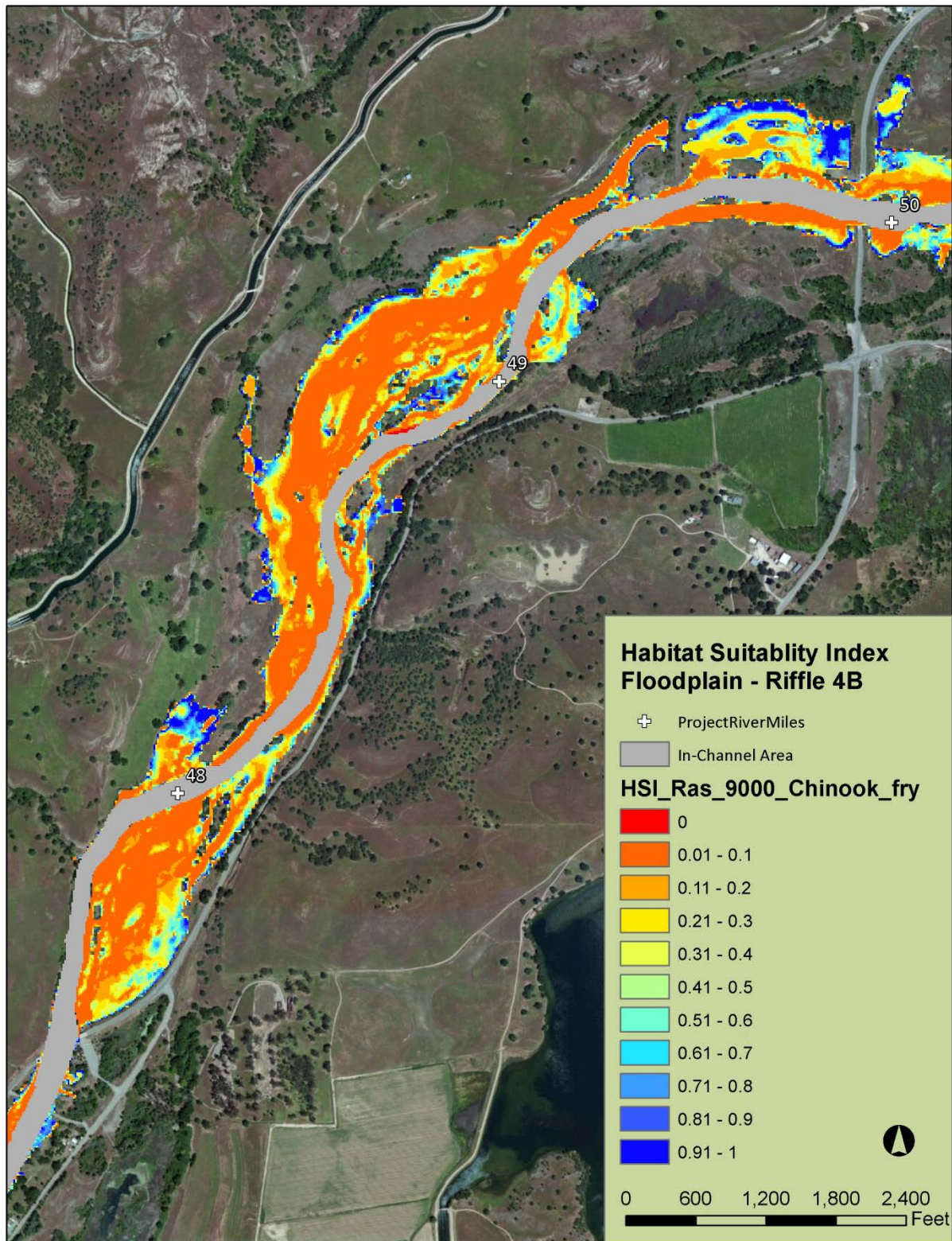


Figure 9. Example plot of joint Chinook salmon fry habitat suitability at modeled floodplain depths and velocities for 9,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

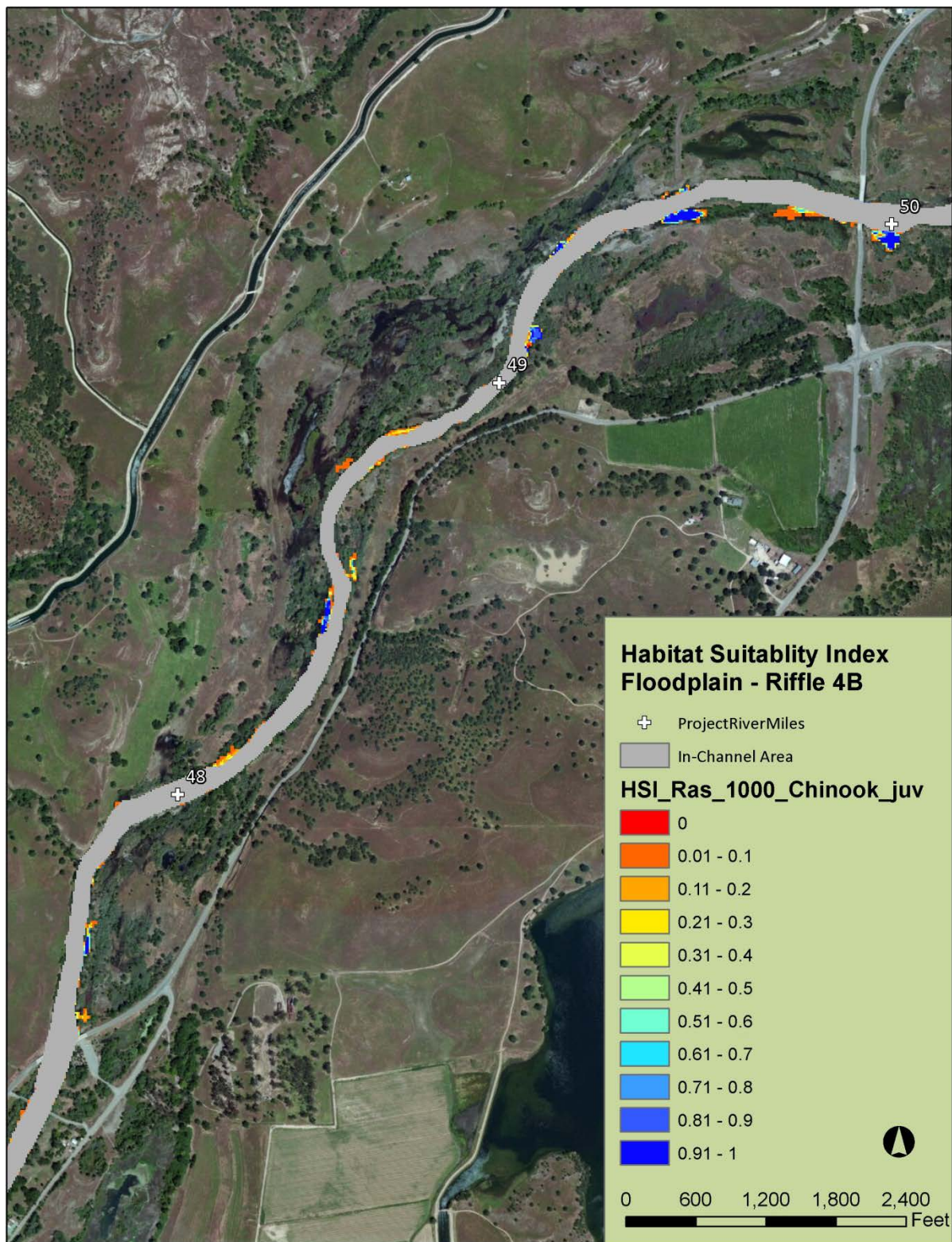


Figure 10. Example plot of joint Chinook salmon juvenile habitat suitability at modeled floodplain depths and velocities for 1,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

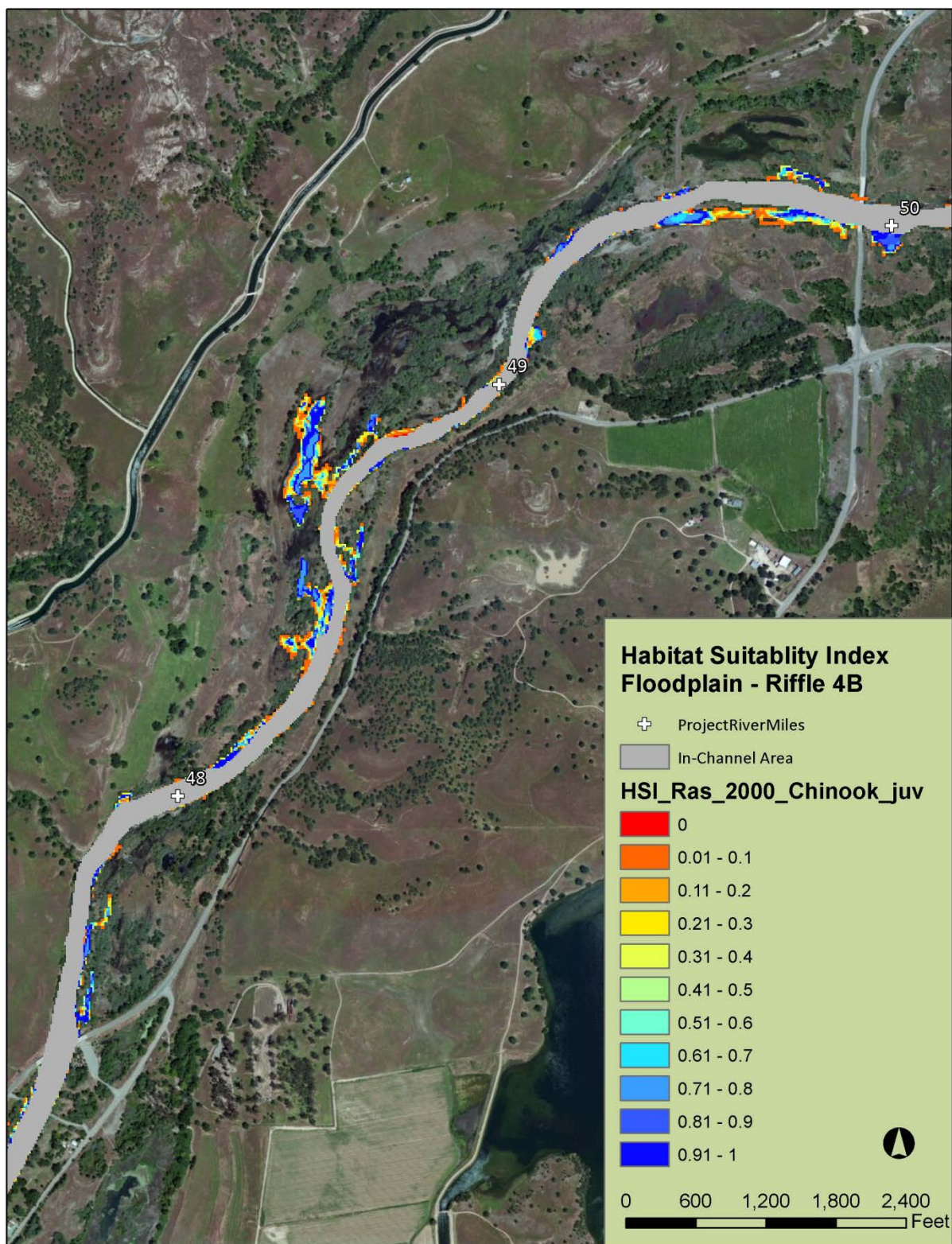


Figure 11. Example plot of joint Chinook salmon juvenile habitat suitability at modeled floodplain depths and velocities for 2,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

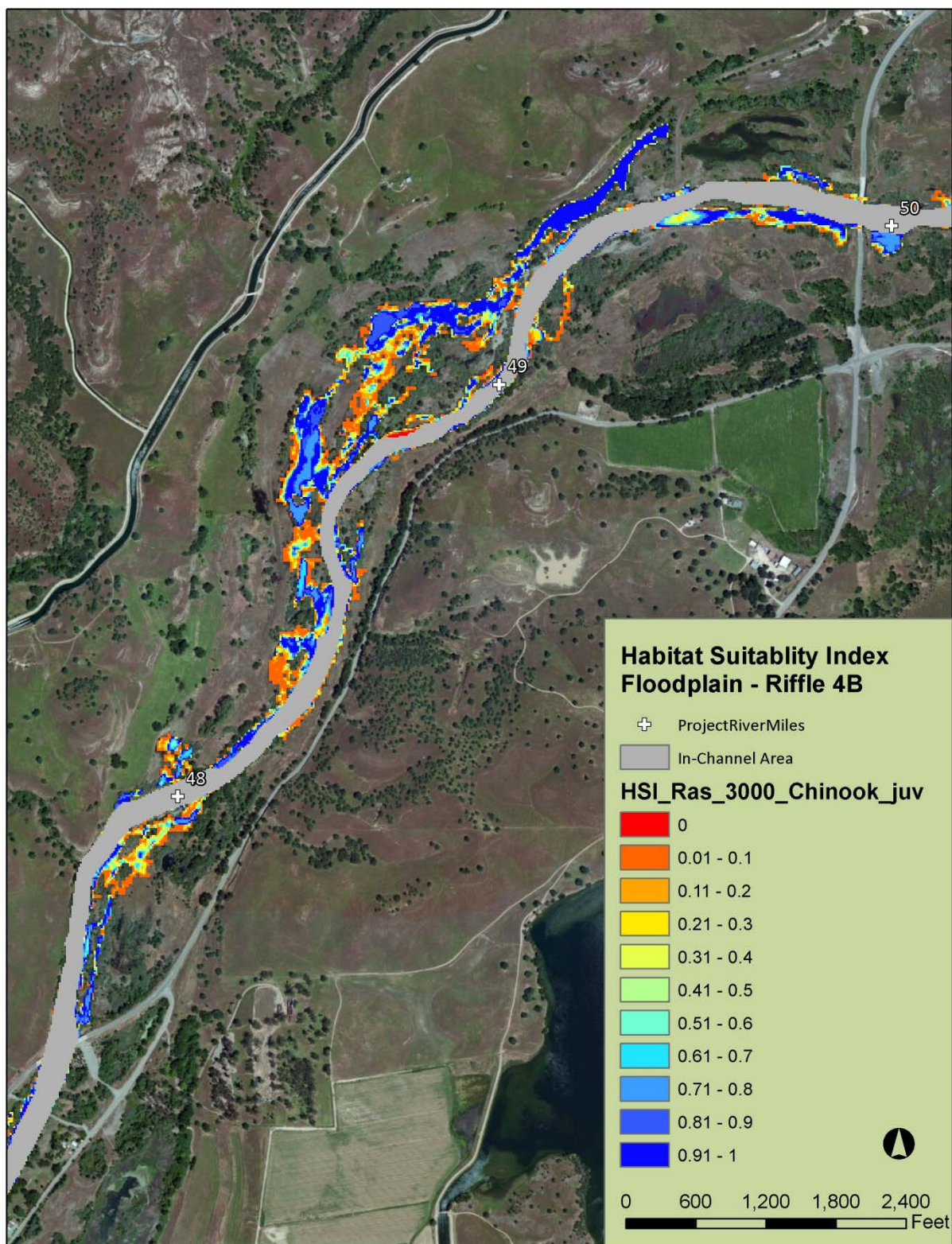


Figure 12. Example plot of joint Chinook salmon juvenile habitat suitability at modeled floodplain depths and velocities for 3,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

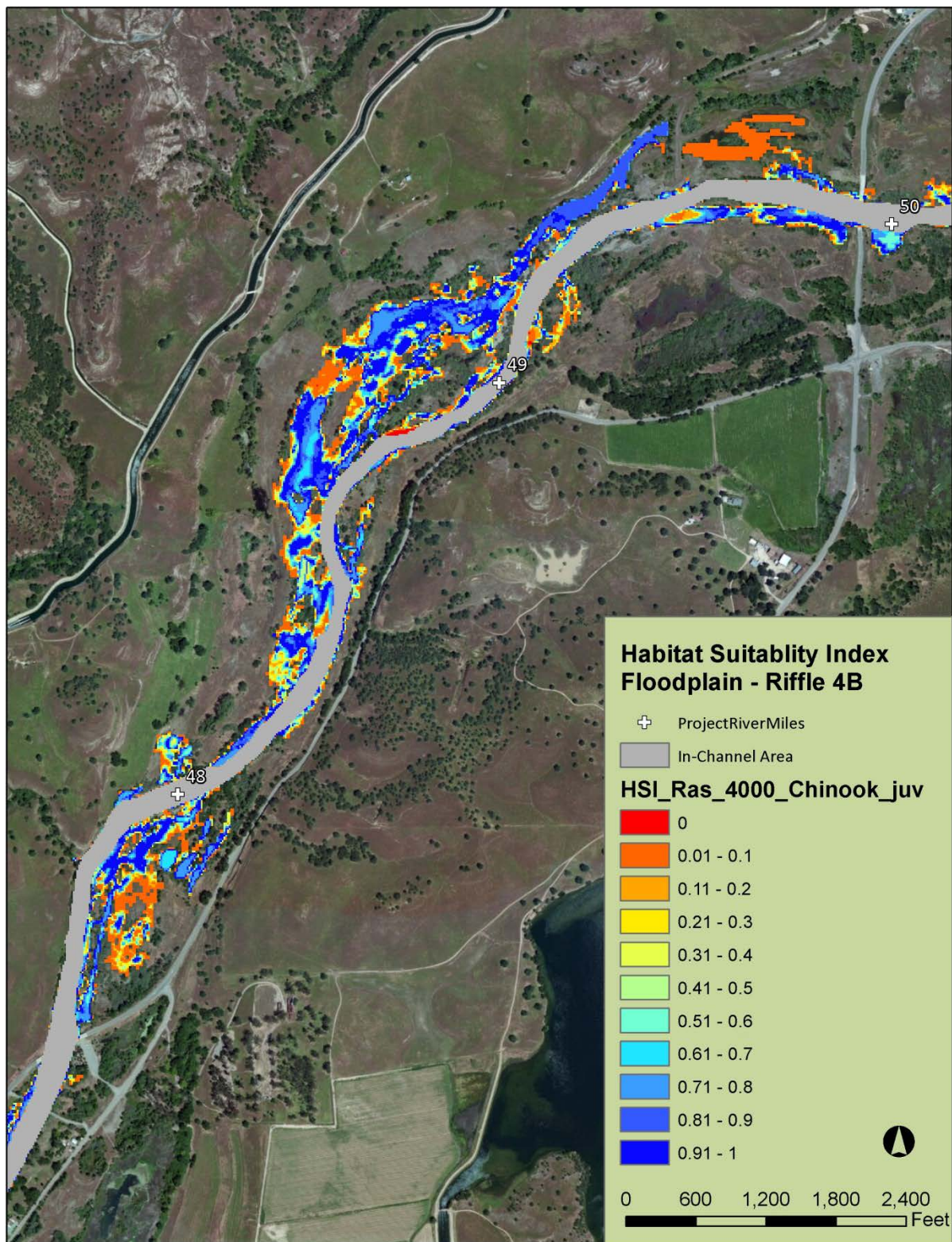


Figure 13. Example plot of joint Chinook salmon juvenile habitat suitability at modeled floodplain depths and velocities for 4,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

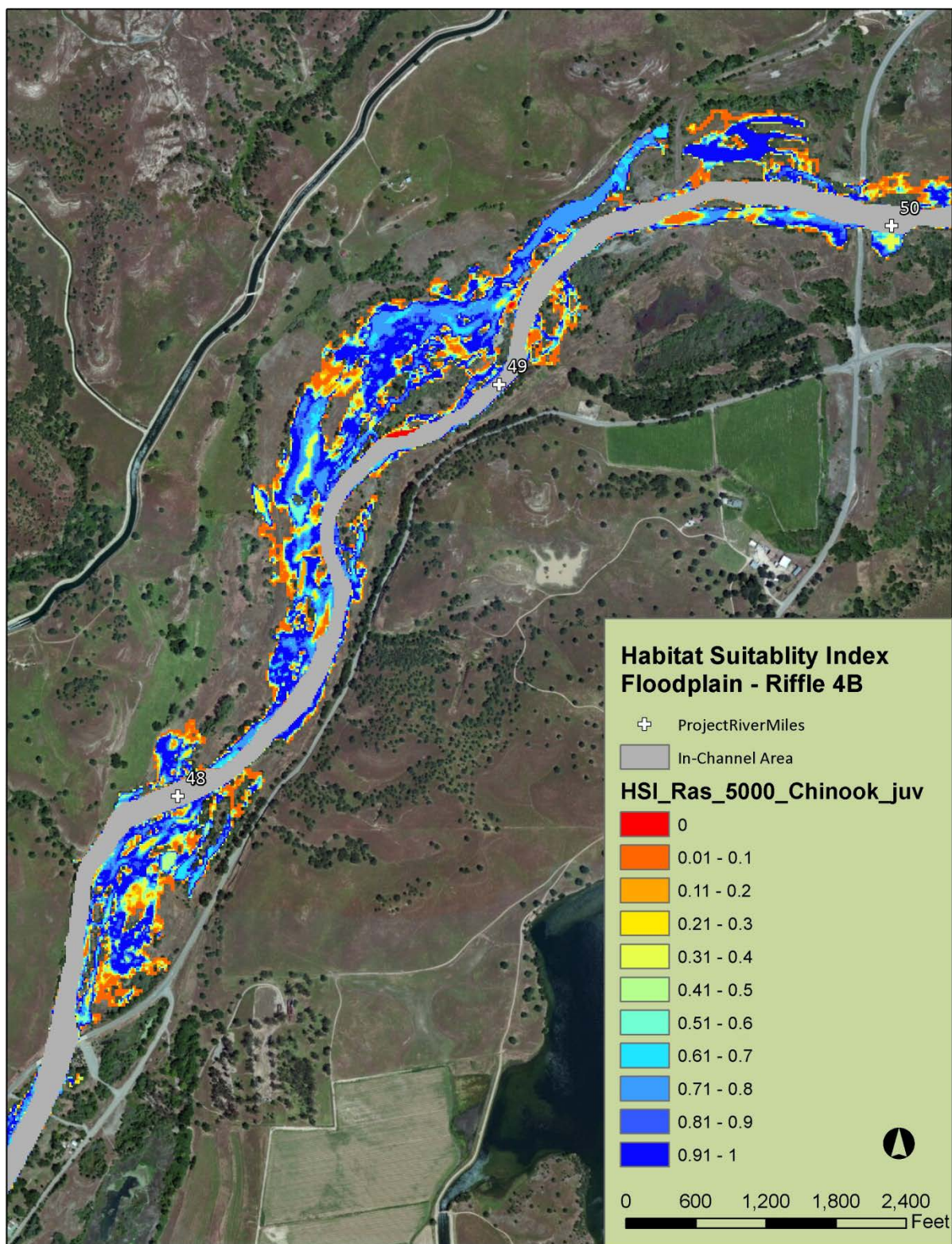


Figure 14. Example plot of joint Chinook salmon juvenile habitat suitability at modeled floodplain depths and velocities for 5,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

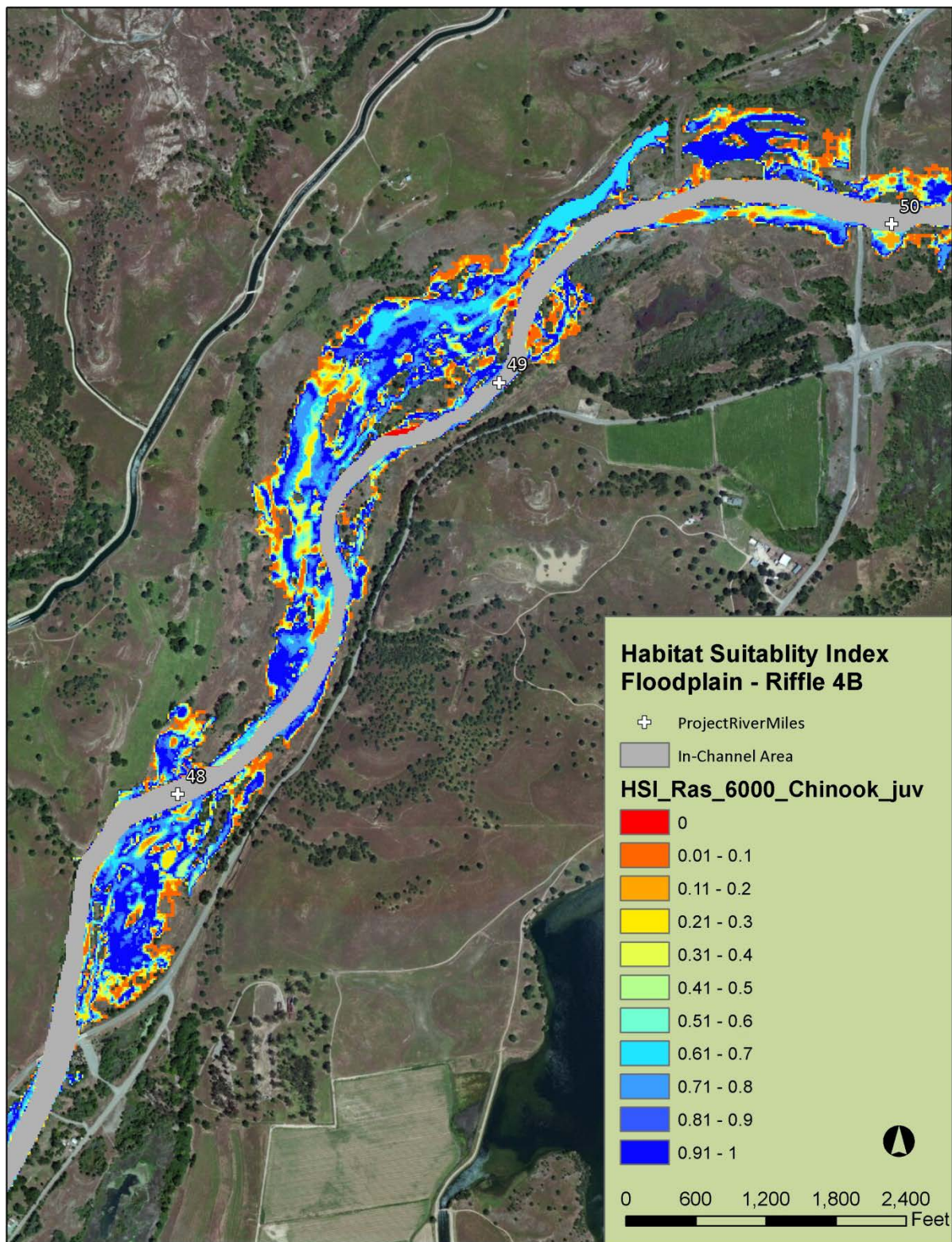


Figure 15. Example plot of joint Chinook salmon juvenile habitat suitability at modeled floodplain depths and velocities for 6,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

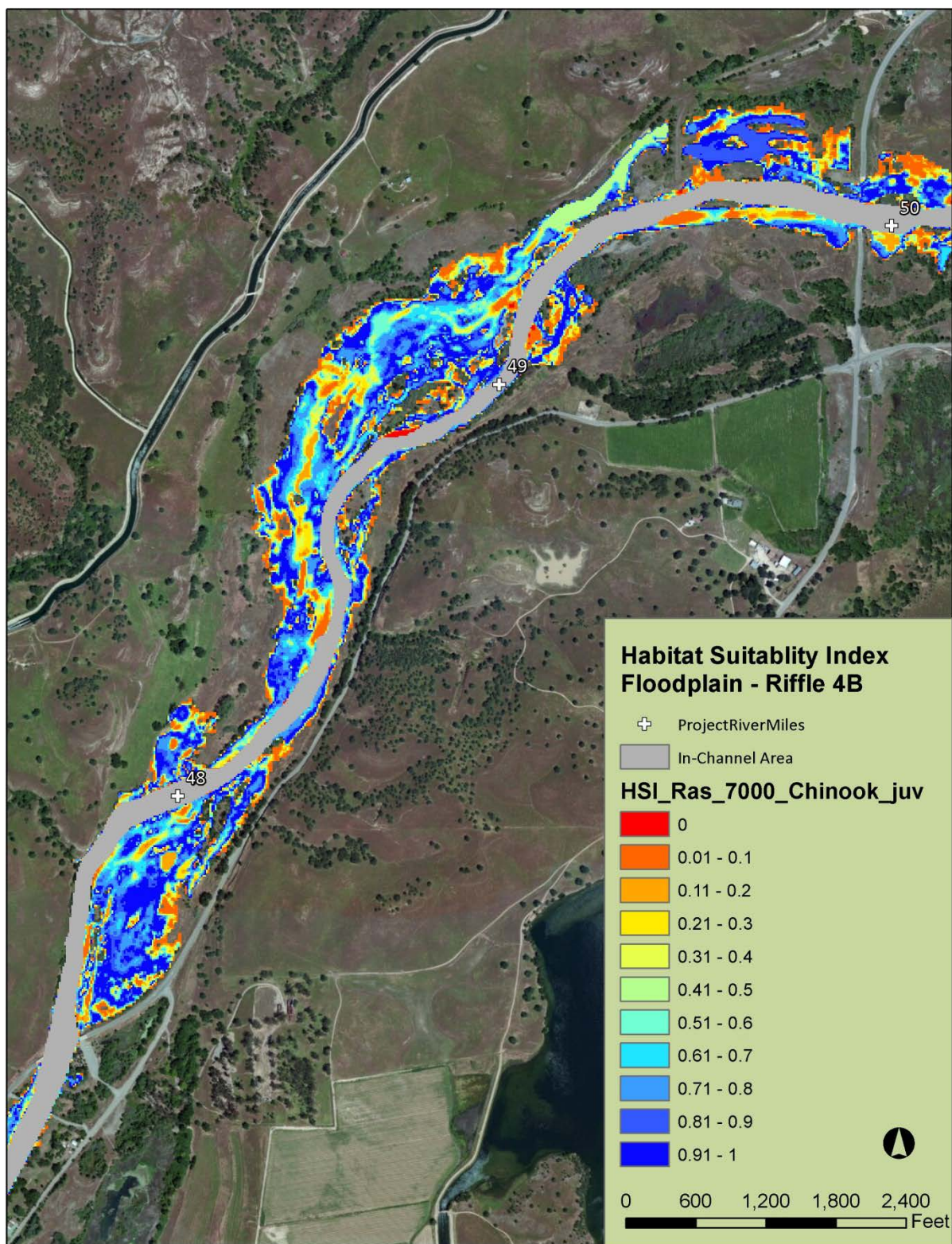


Figure 16. Example plot of joint Chinook salmon juvenile habitat suitability at modeled floodplain depths and velocities for 7,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

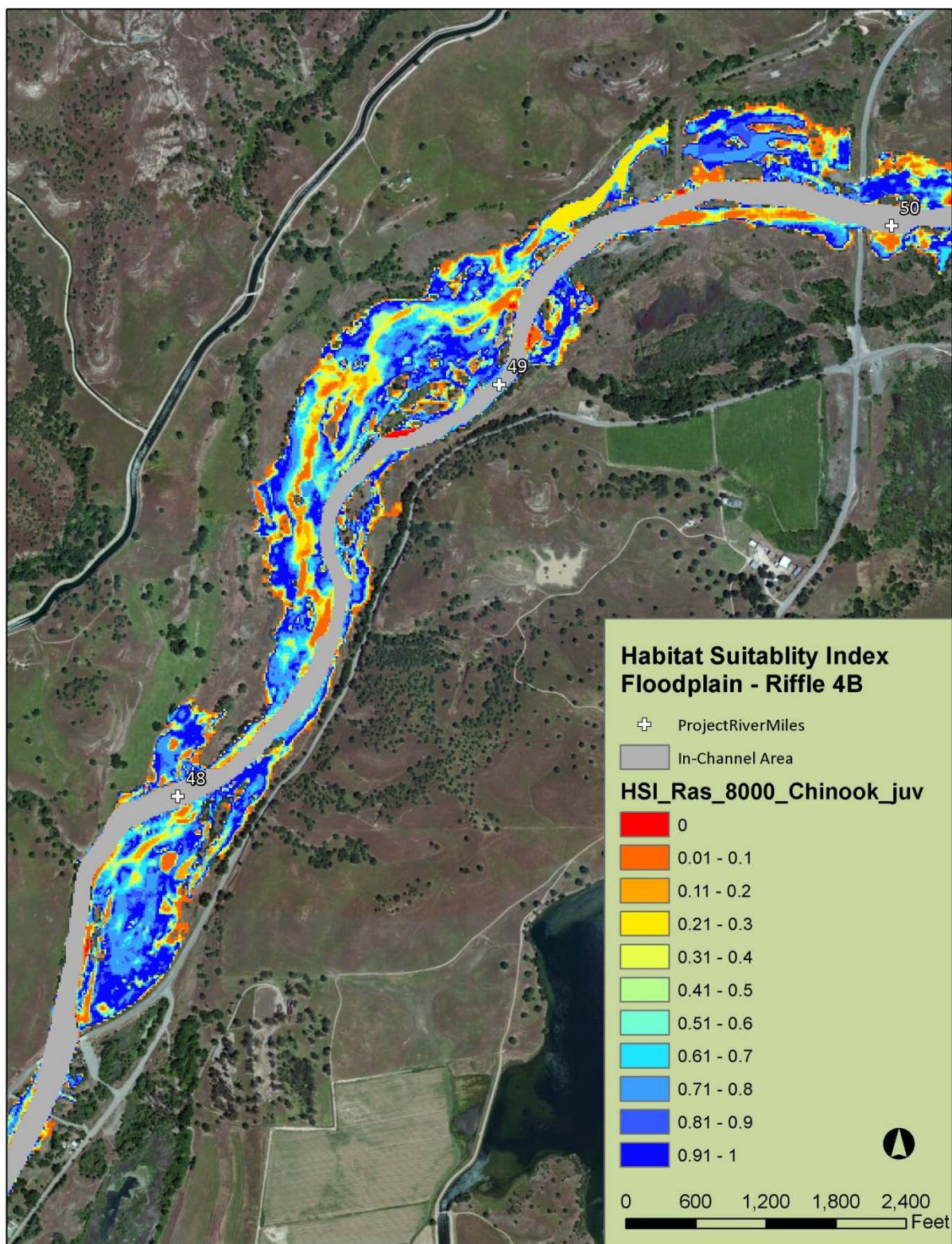


Figure 17. Example plot of joint Chinook salmon juvenile habitat suitability at modeled floodplain depths and velocities for 8,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

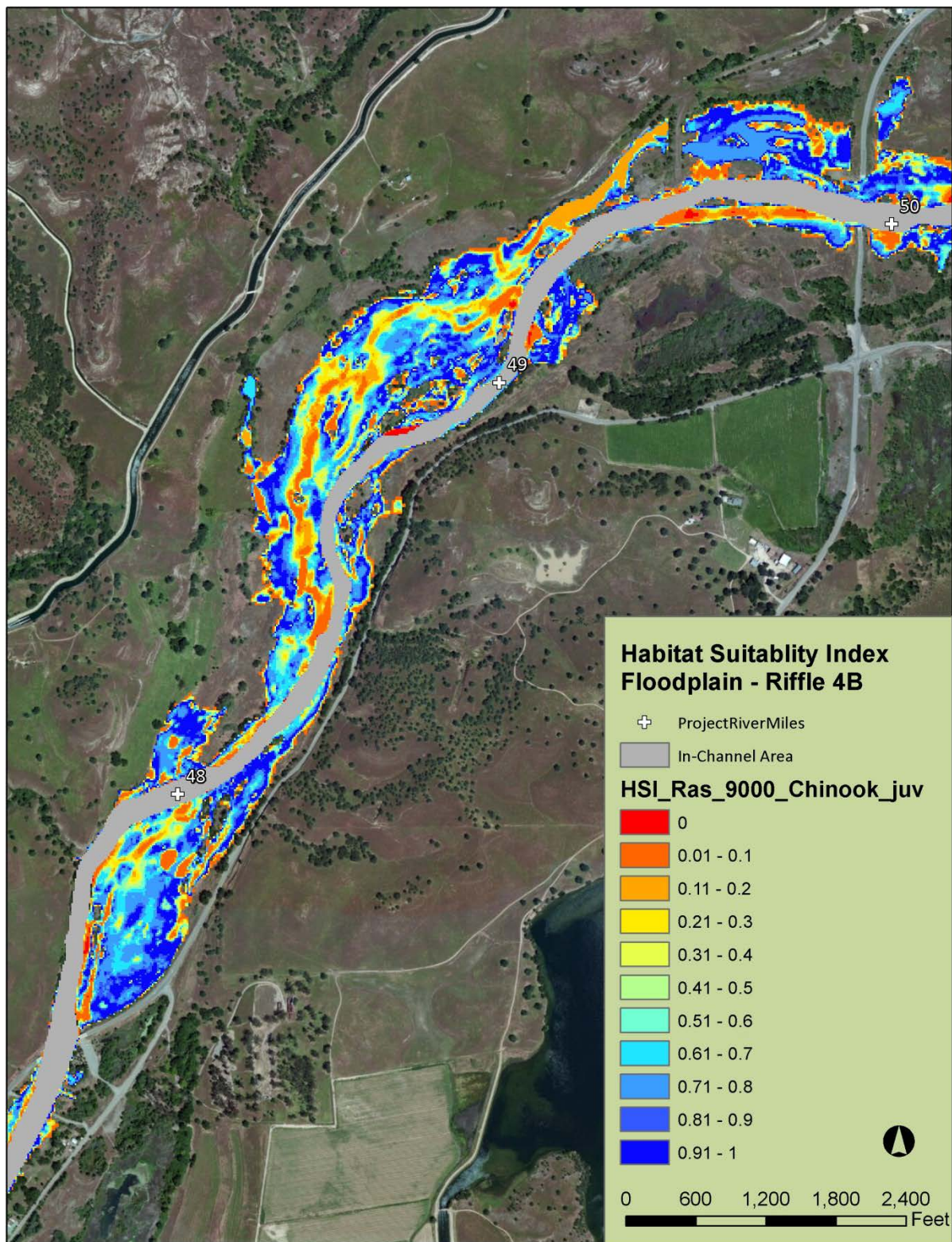


Figure 18. Example plot of joint Chinook salmon juvenile habitat suitability at modeled floodplain depths and velocities for 9,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

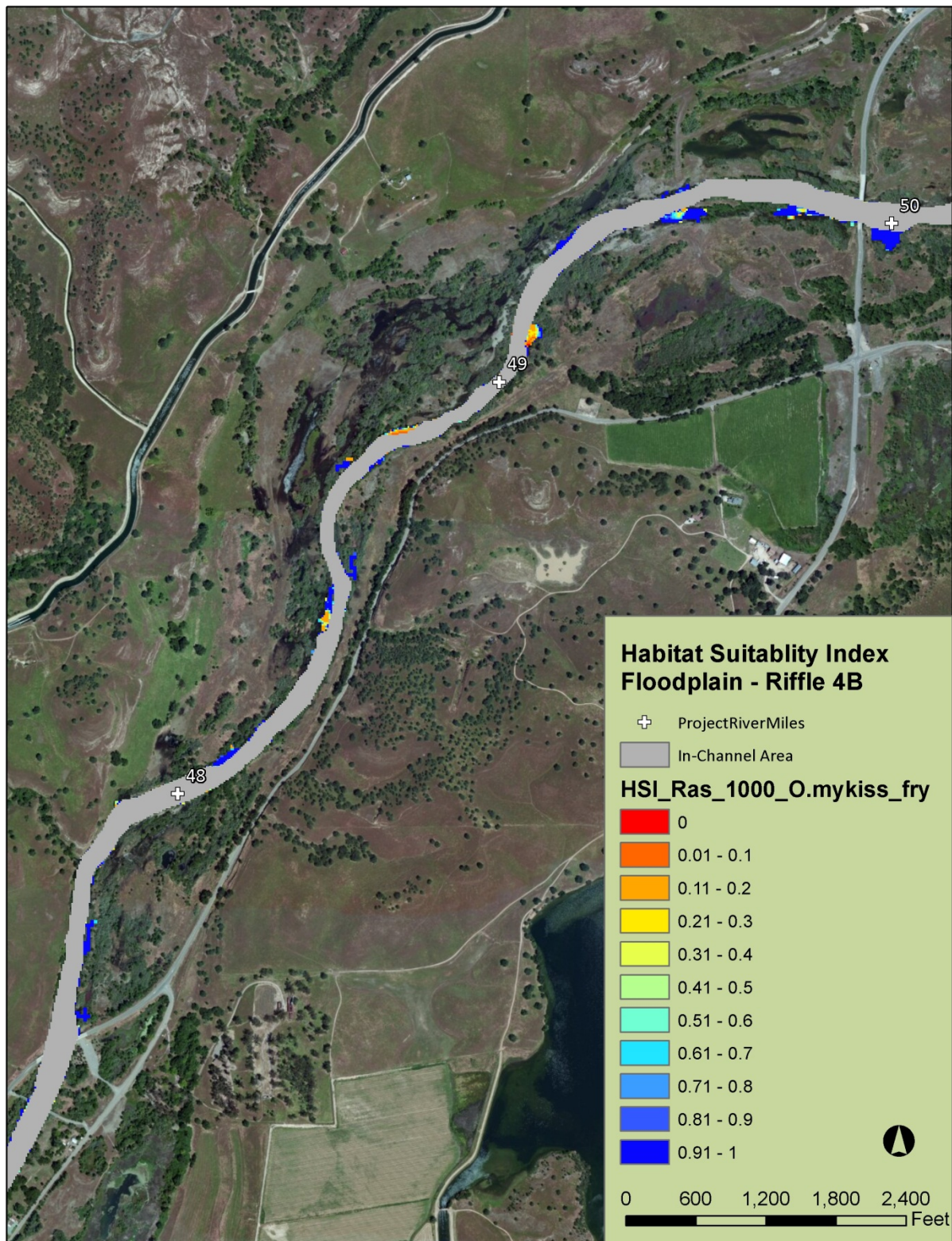


Figure 19. Example plot of joint *O. mykiss* fry habitat suitability at modeled floodplain depths and velocities for 1,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

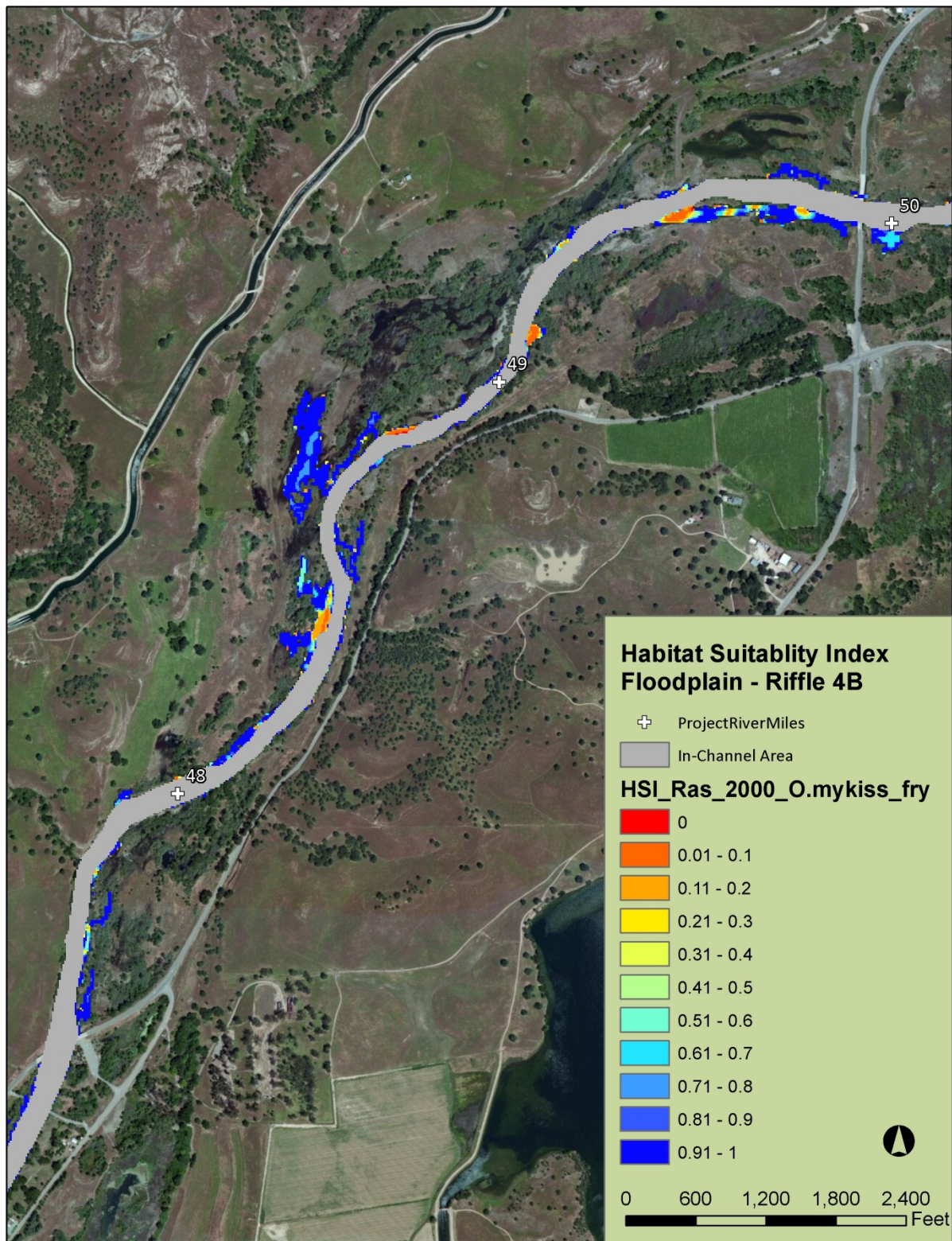


Figure 20. Example plot of joint *O. mykiss* fry habitat suitability at modeled floodplain depths and velocities for 2,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

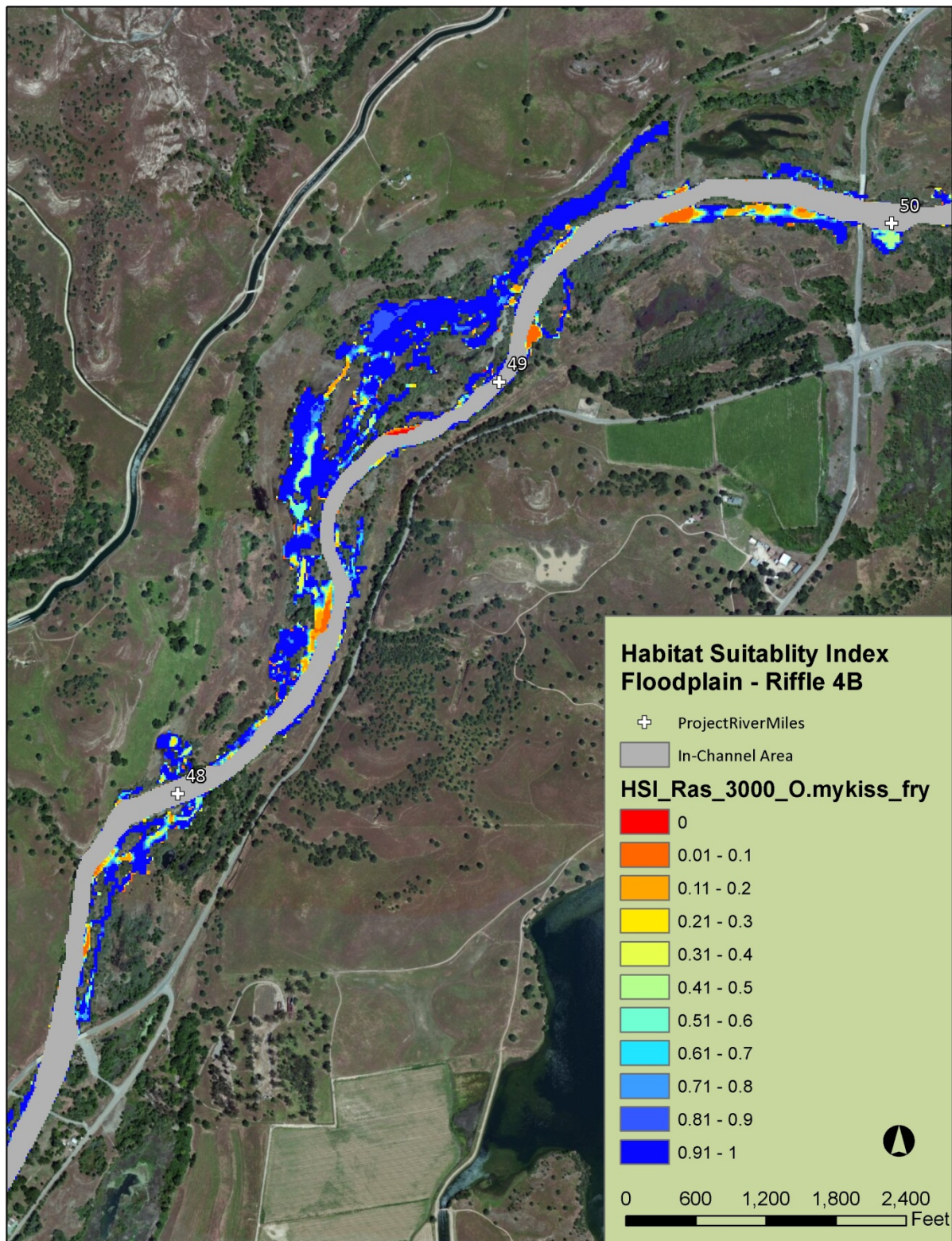


Figure 21. Example plot of joint *O. mykiss* fry habitat suitability at modeled floodplain depths and velocities for 3,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

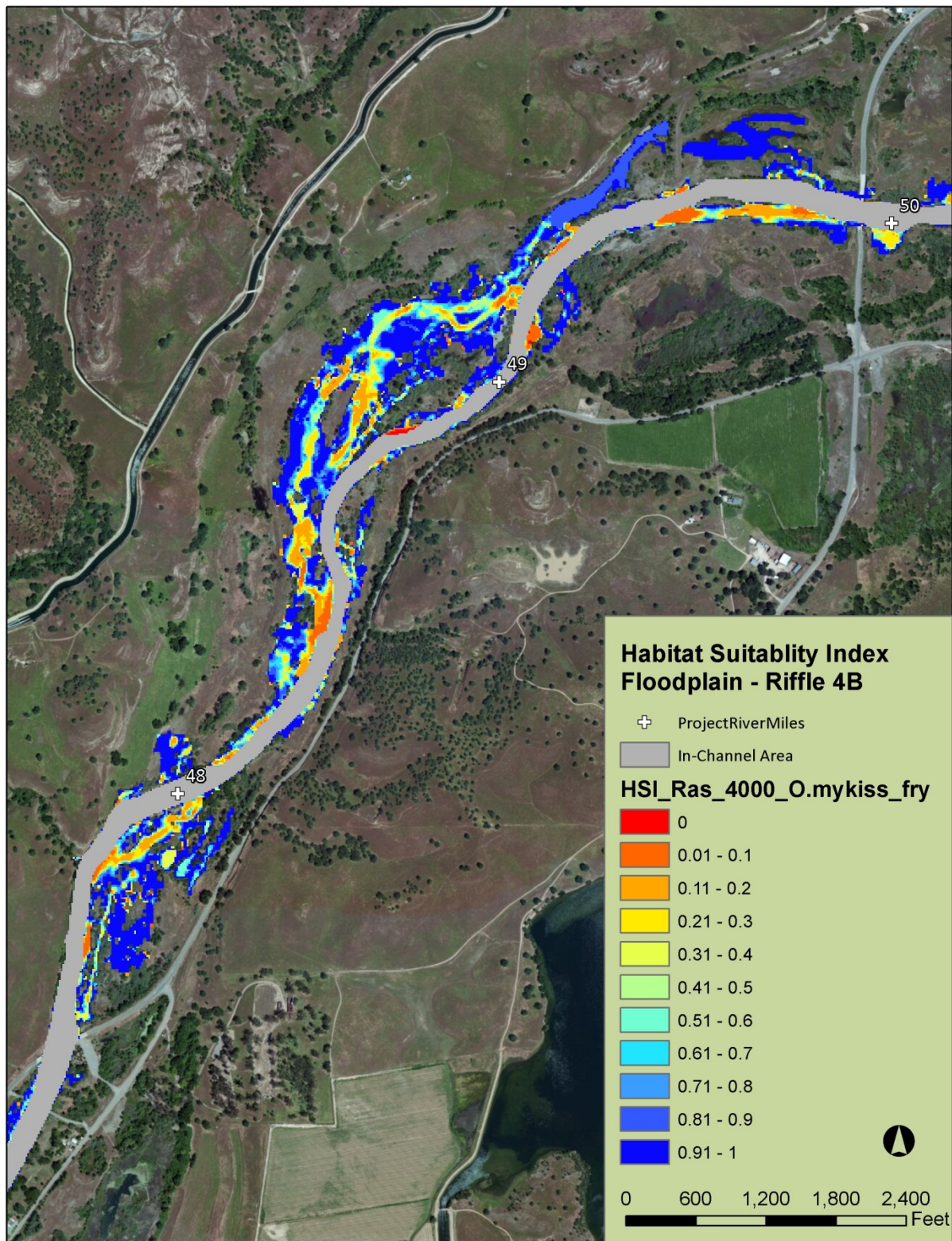


Figure 22. Example plot of joint *O. mykiss* fry habitat suitability at modeled floodplain depths and velocities for 4,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

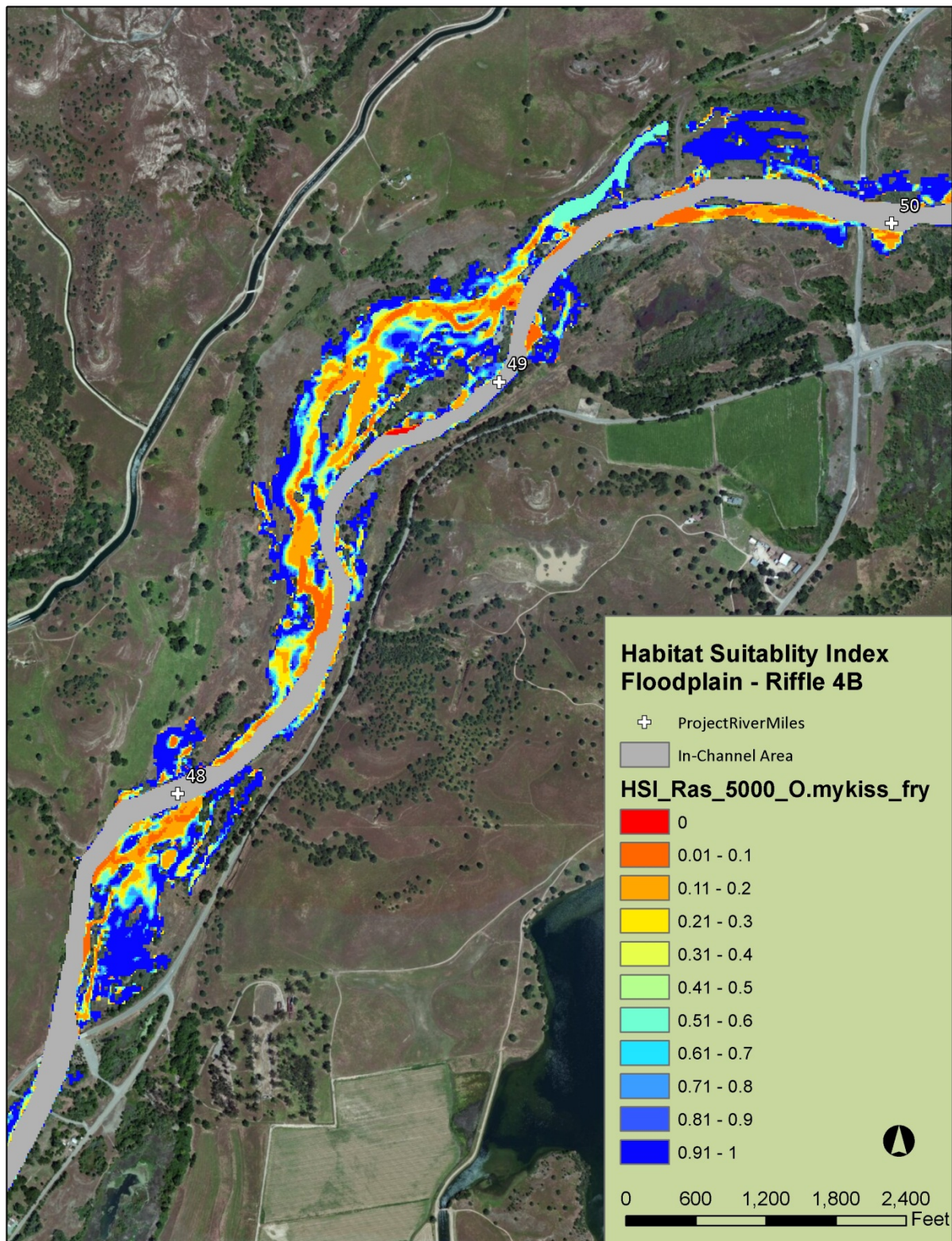


Figure 23. Example plot of joint *O. mykiss* fry habitat suitability at modeled floodplain depths and velocities for 5,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

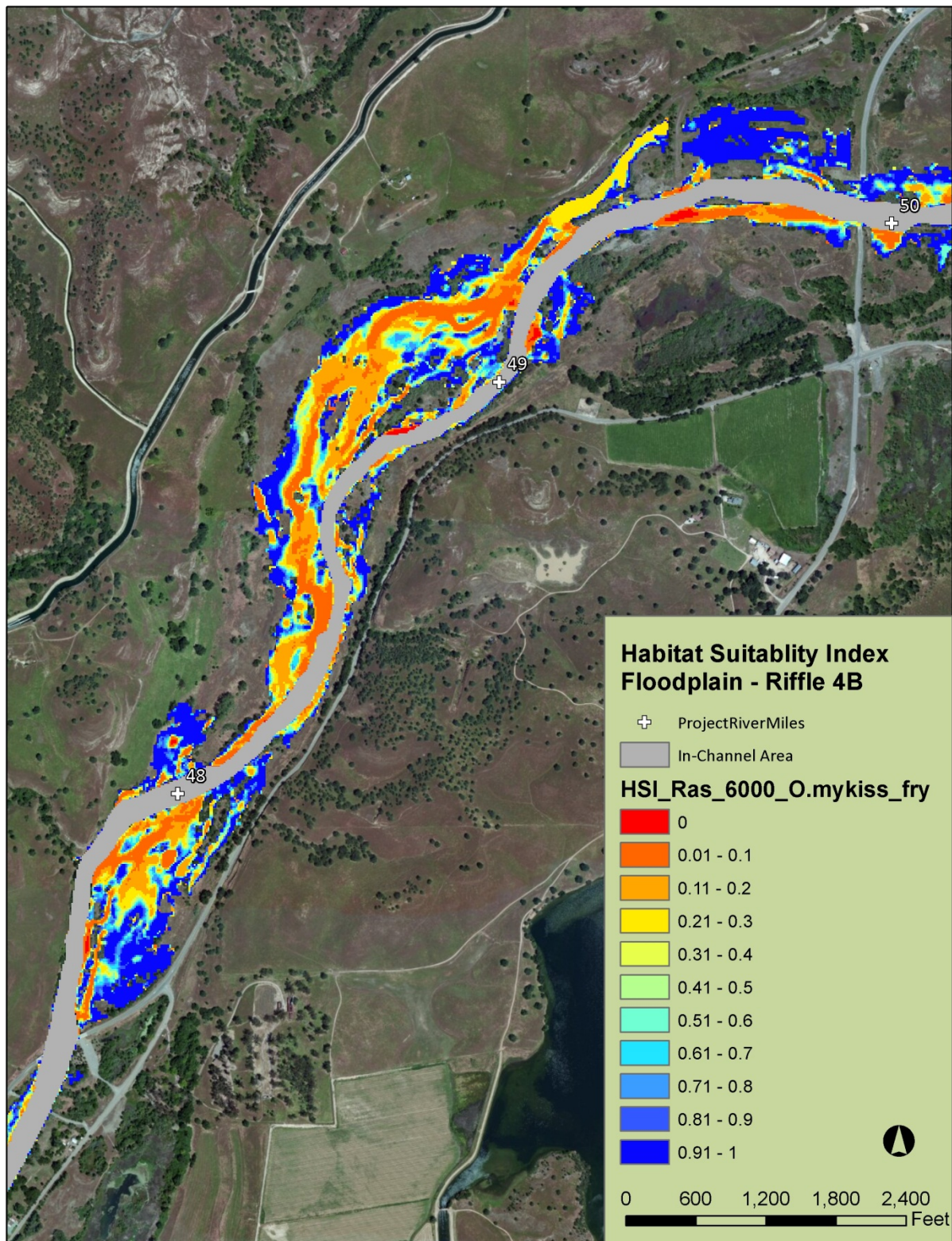


Figure 24. Example plot of joint *O. mykiss* fry habitat suitability at modeled floodplain depths and velocities for 6,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

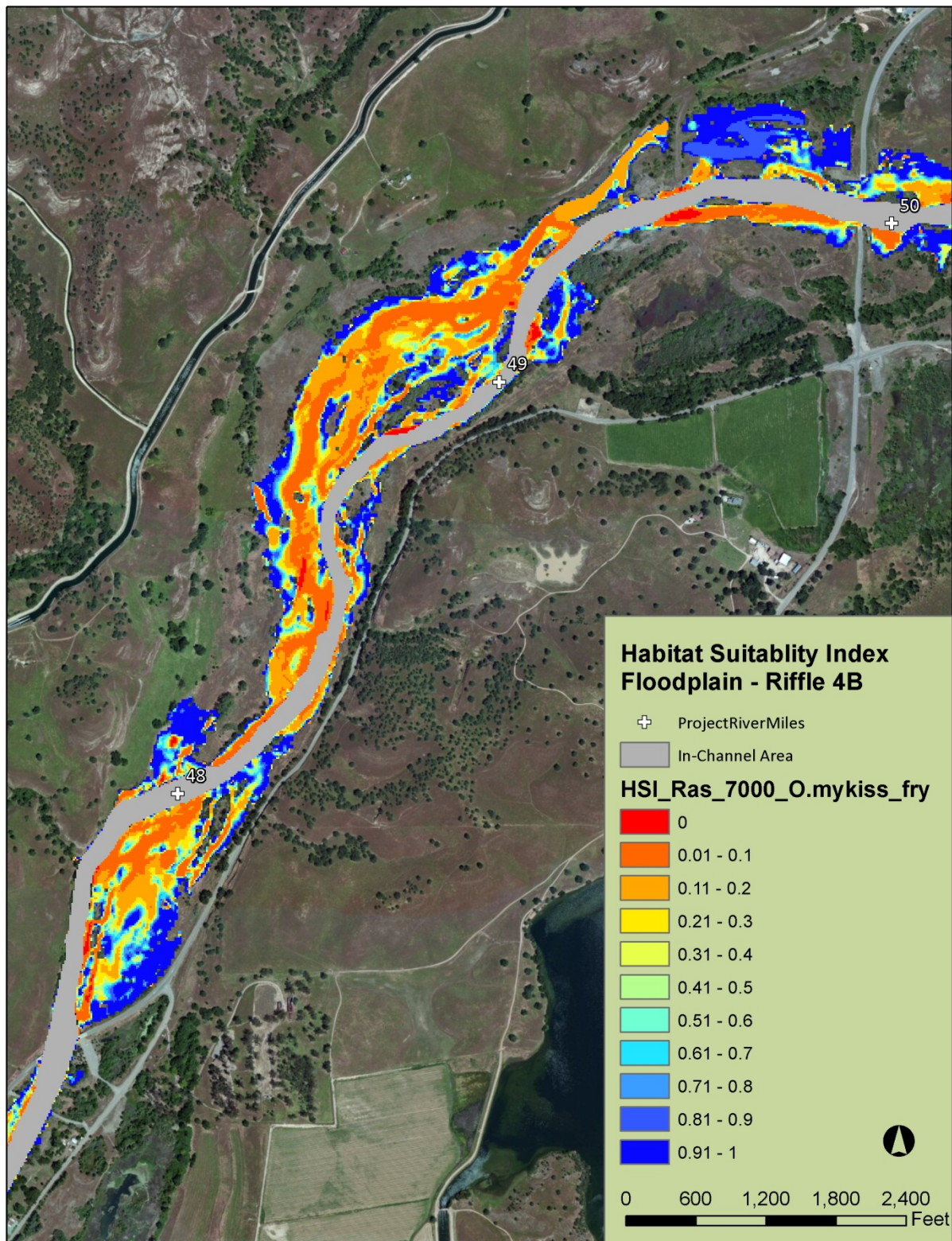


Figure 25. Example plot of joint *O. mykiss* fry habitat suitability at modeled floodplain depths and velocities for 7,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

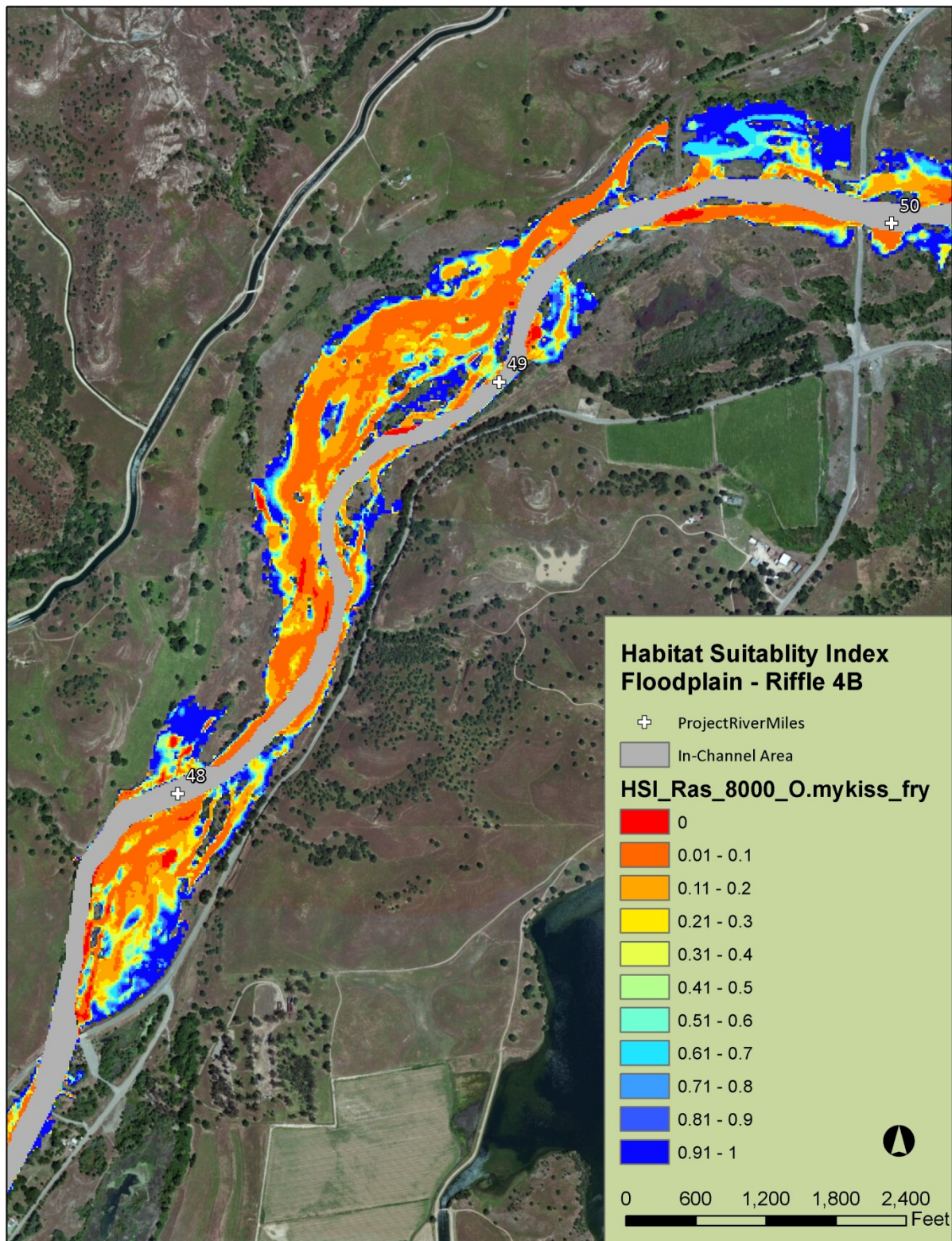


Figure 26. Example plot of joint *O. mykiss* fry habitat suitability at modeled floodplain depths and velocities for 8,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

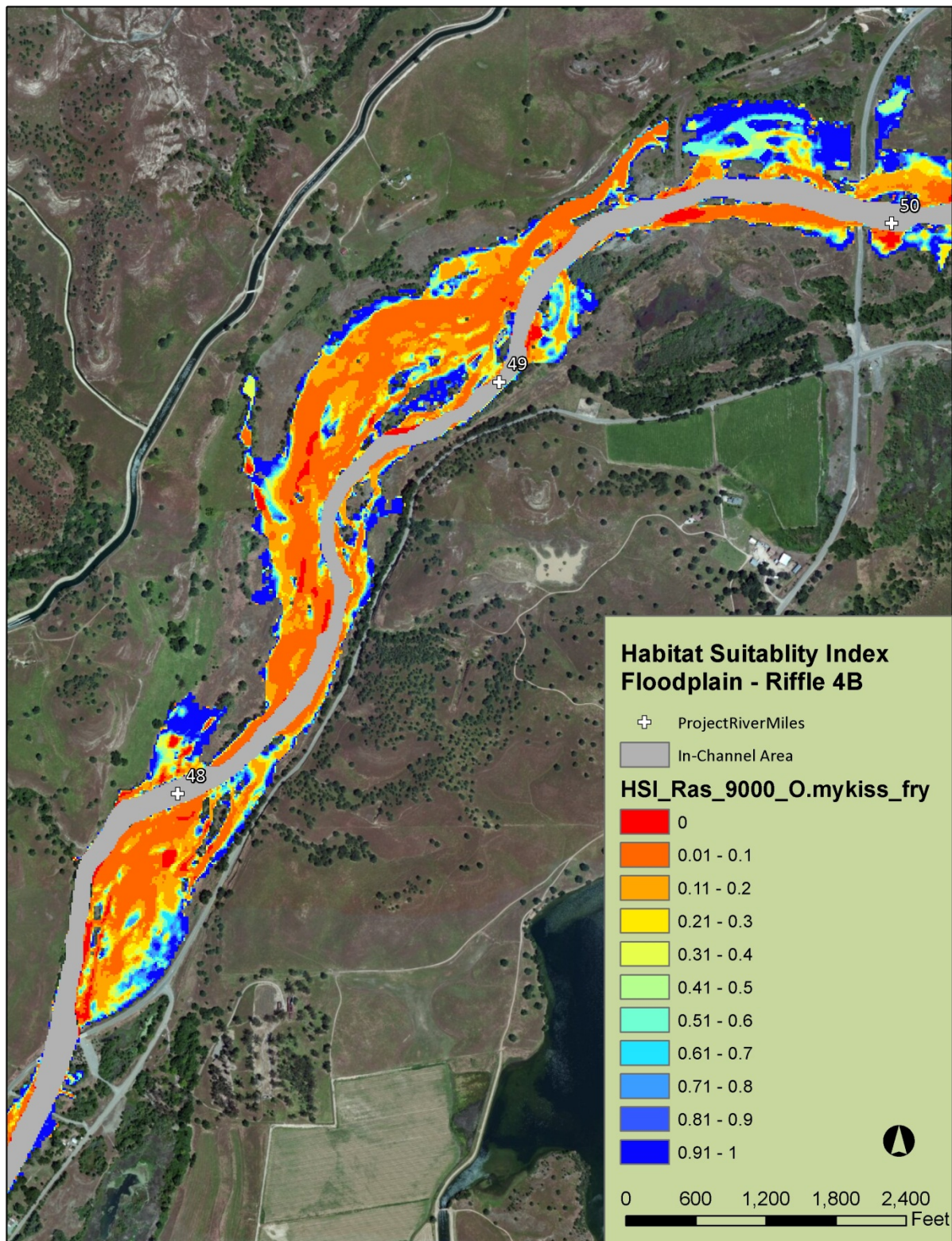


Figure 27. Example plot of joint *O. mykiss* fry habitat suitability at modeled floodplain depths and velocities for 9,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

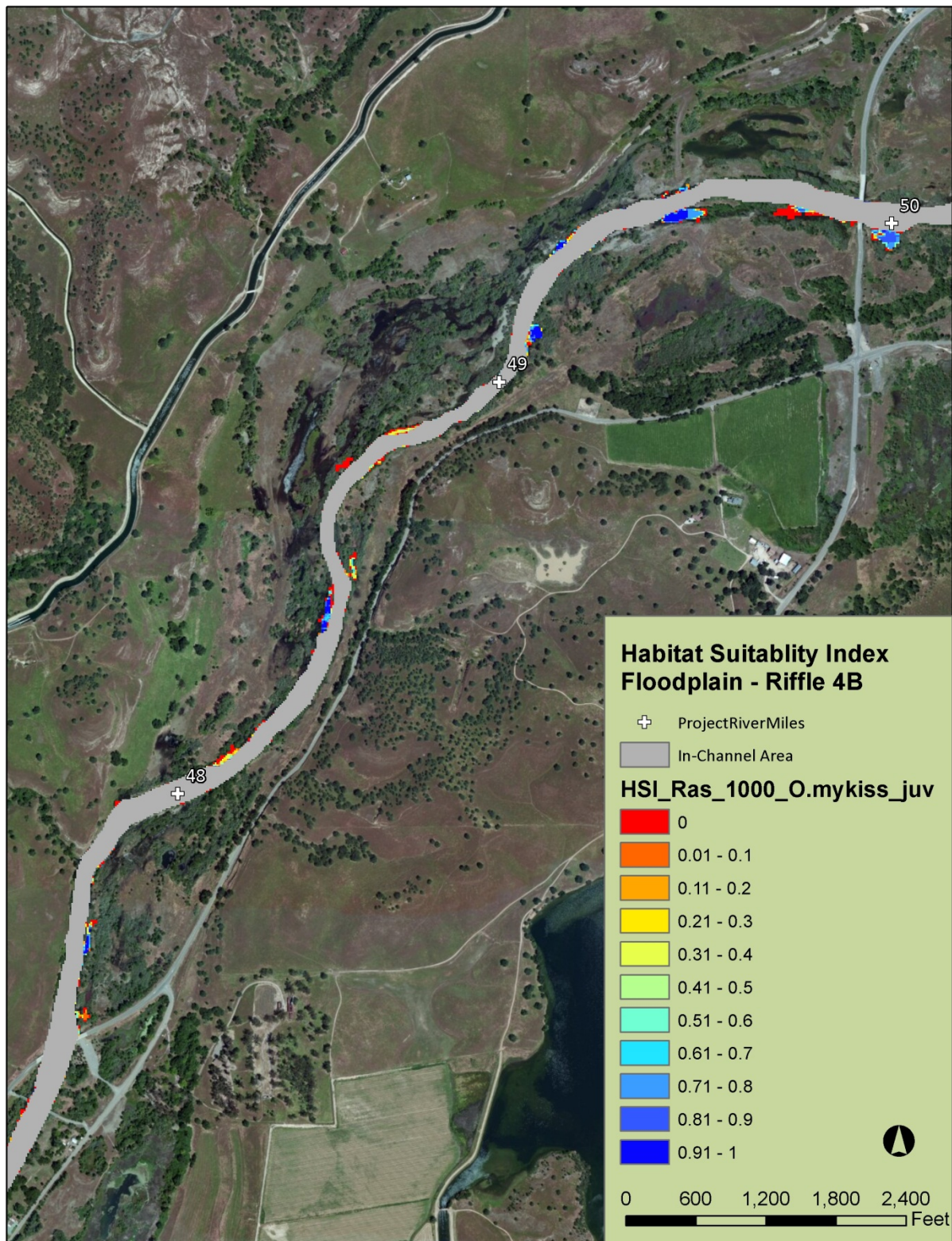


Figure 28. Example plot of joint *O. mykiss* juvenile habitat suitability at modeled floodplain depths and velocities for 1,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

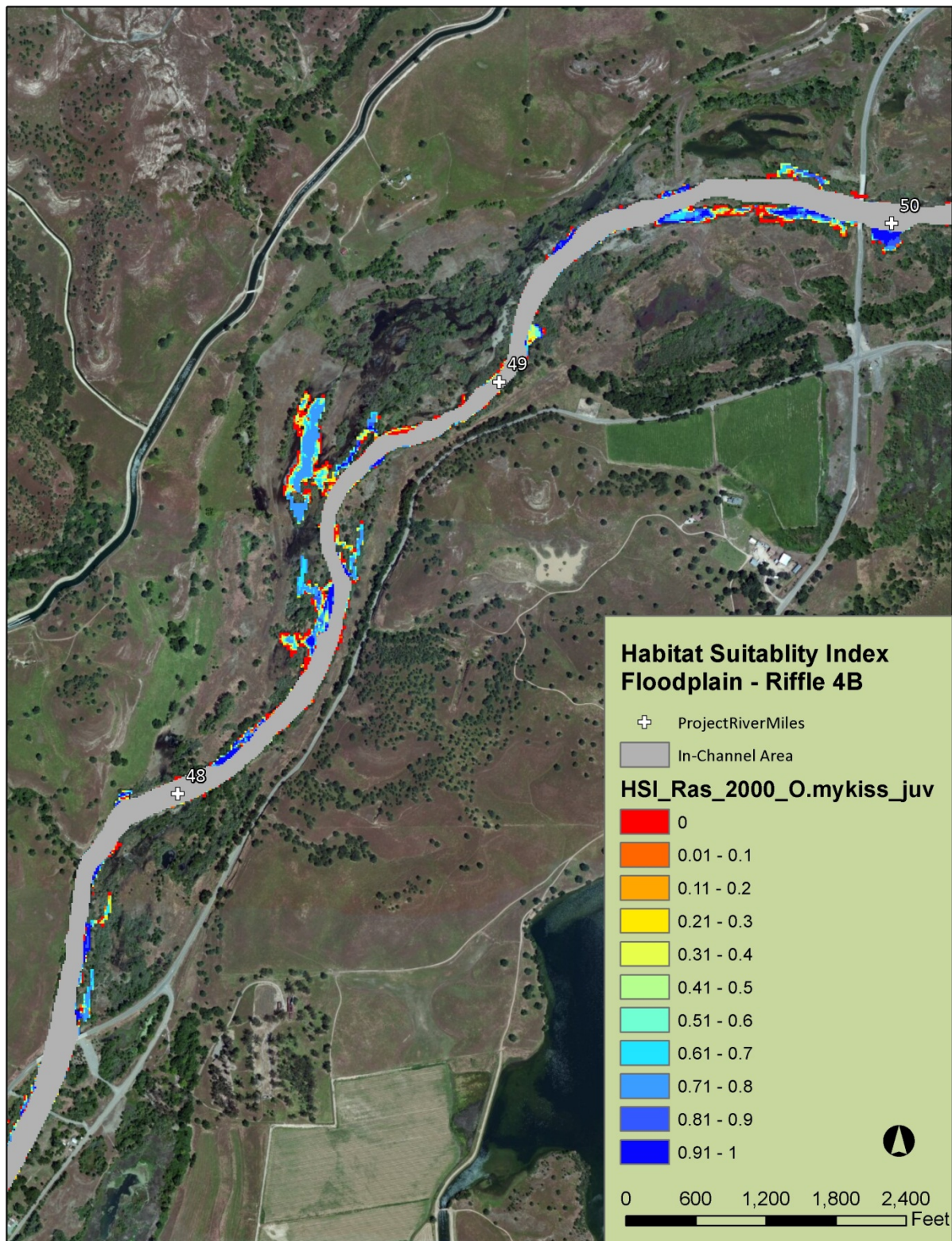


Figure 29. Example plot of joint *O. mykiss* juvenile habitat suitability at modeled floodplain depths and velocities for 2,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

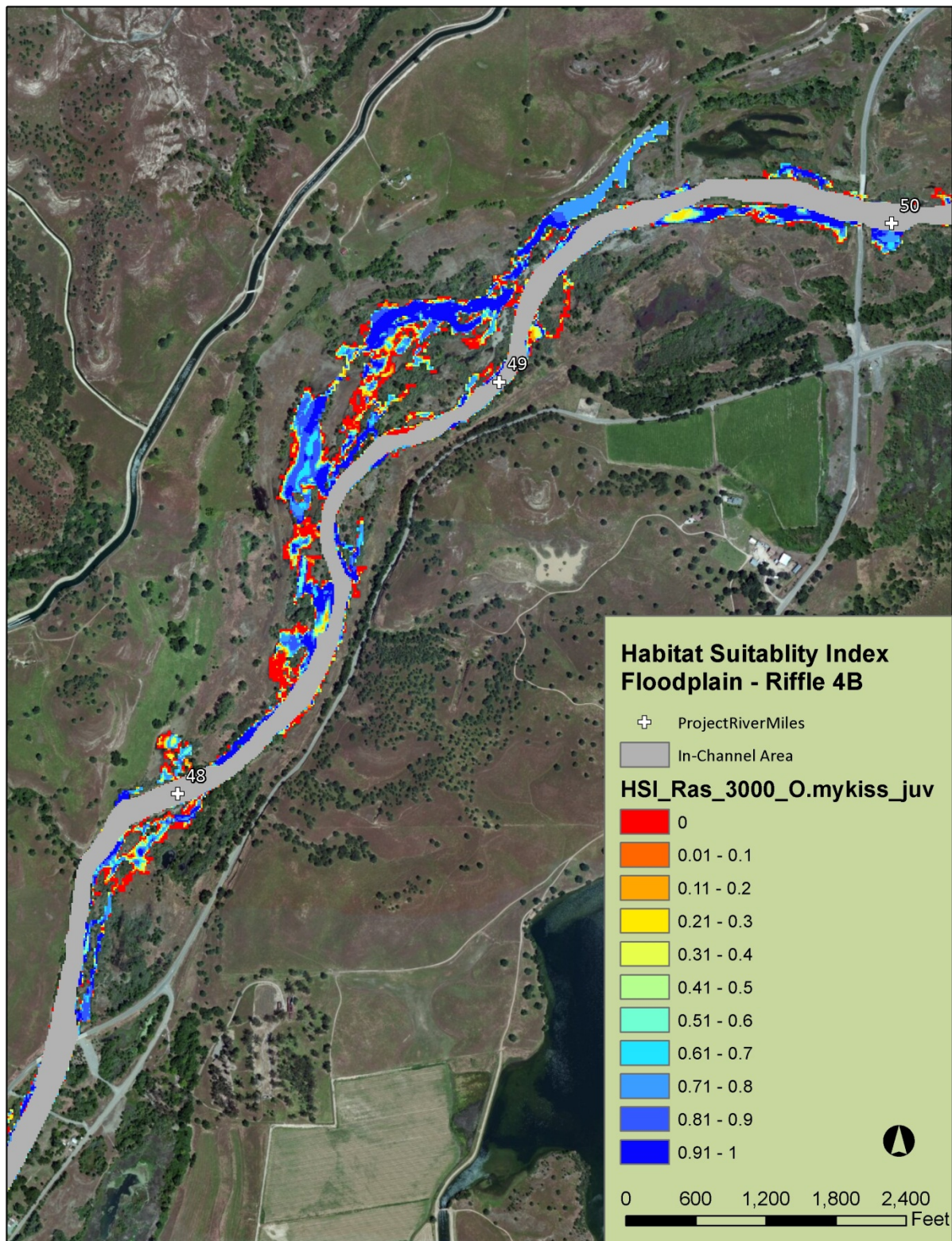


Figure 30. Example plot of joint *O. mykiss* juvenile habitat suitability at modeled floodplain depths and velocities for 3,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

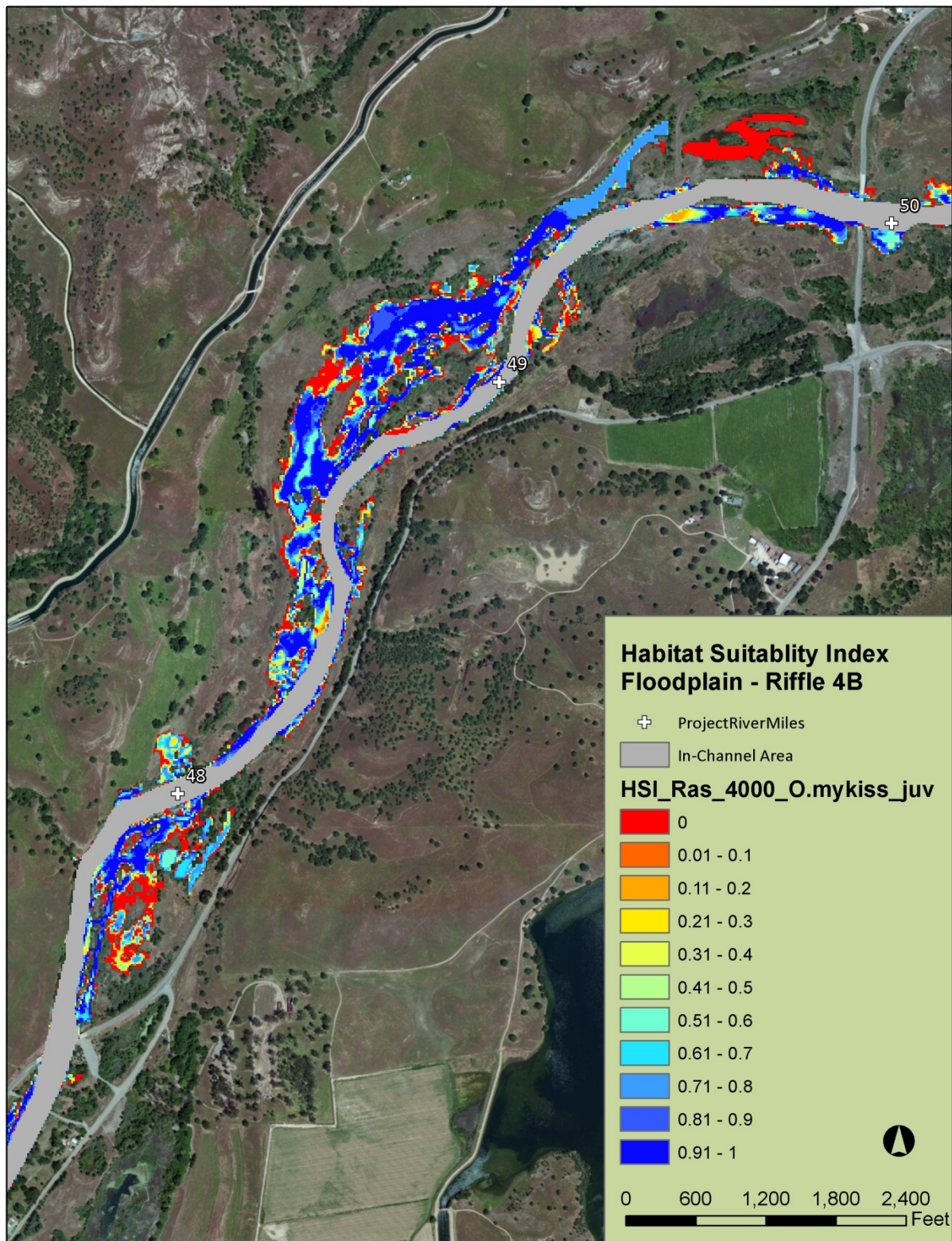


Figure 31. Example plot of joint *O. mykiss* juvenile habitat suitability at modeled floodplain depths and velocities for 4,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

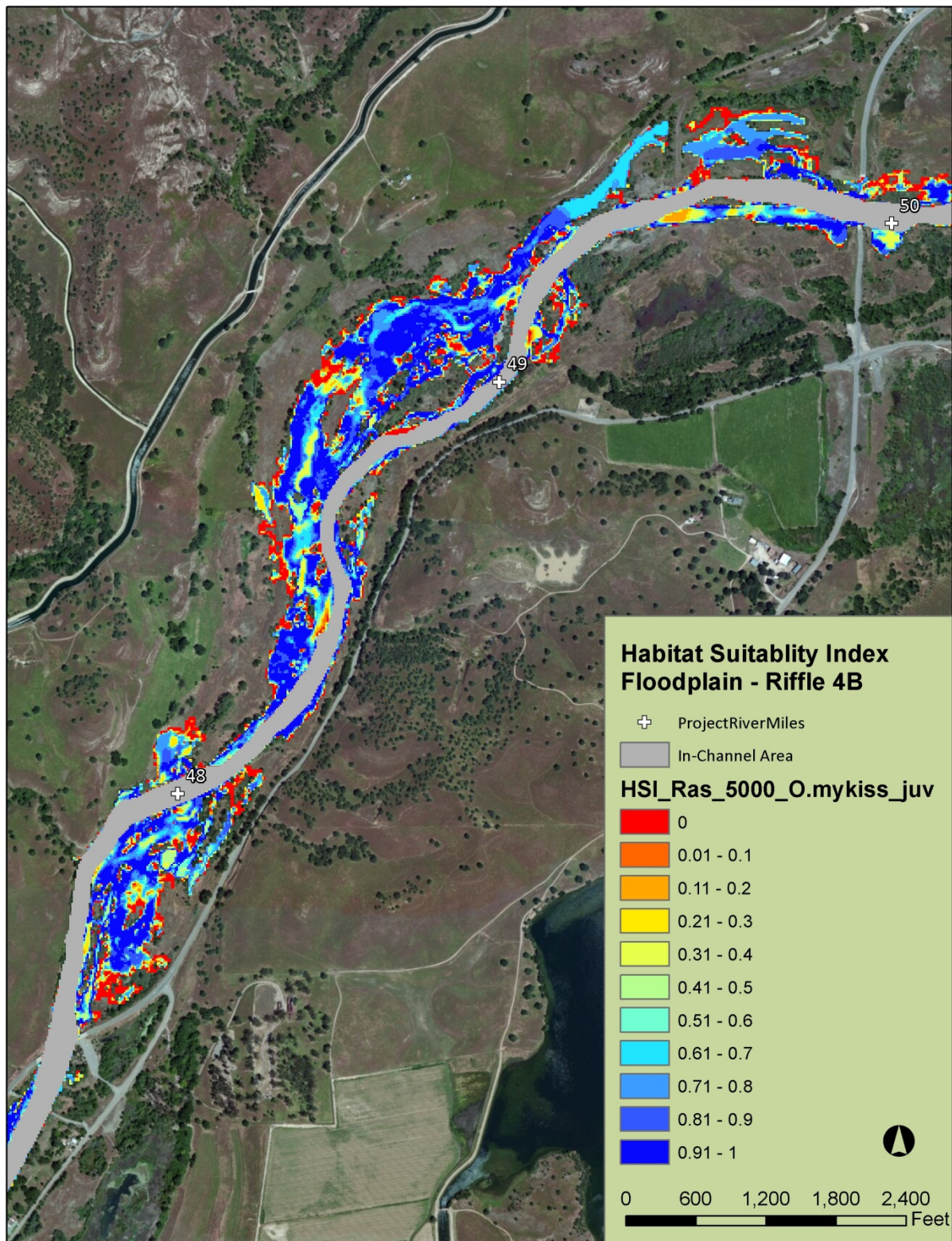


Figure 32. Example plot of joint *O. mykiss* juvenile habitat suitability at modeled floodplain depths and velocities for 5,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

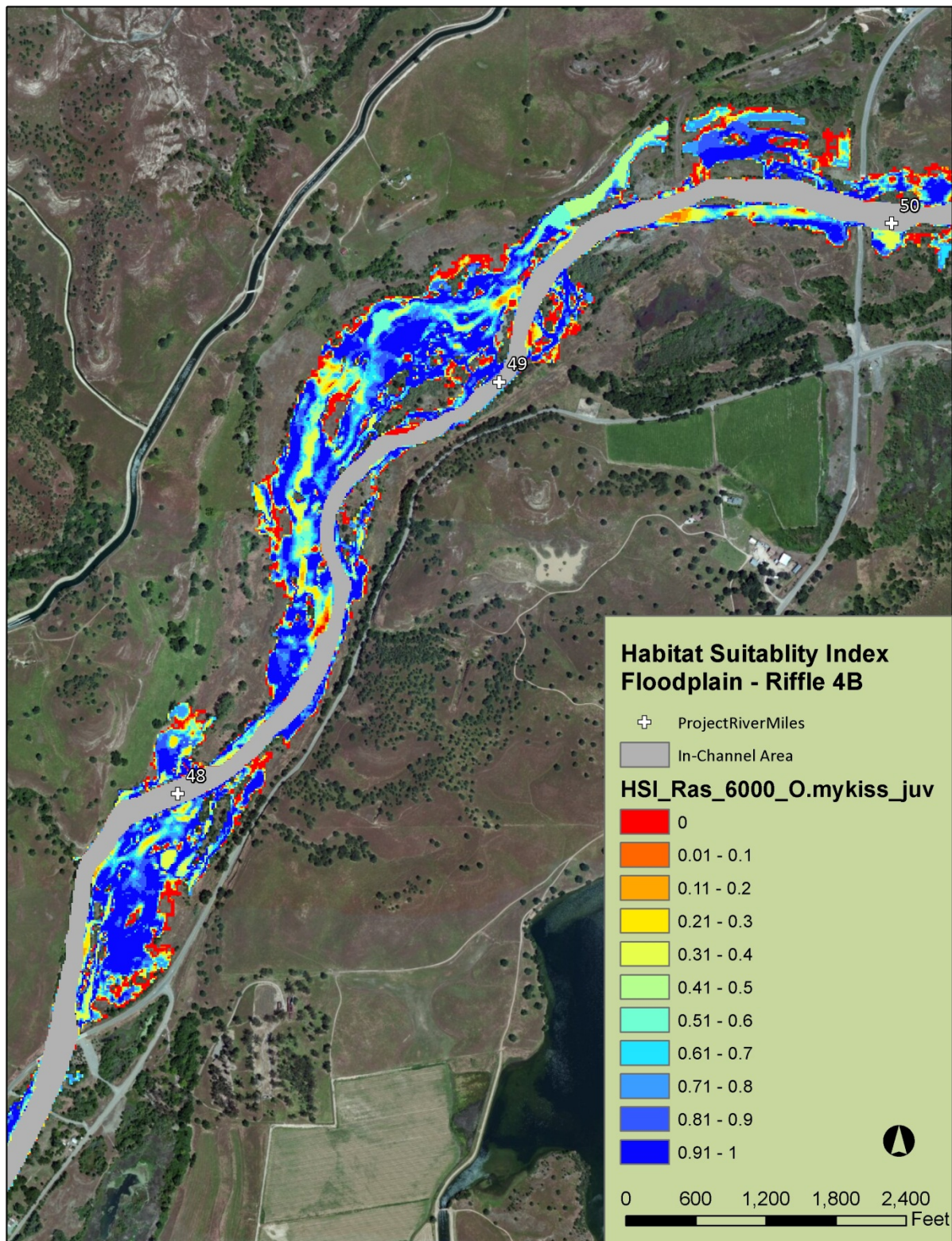


Figure 33. Example plot of joint *O. mykiss* juvenile habitat suitability at modeled floodplain depths and velocities for 6,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

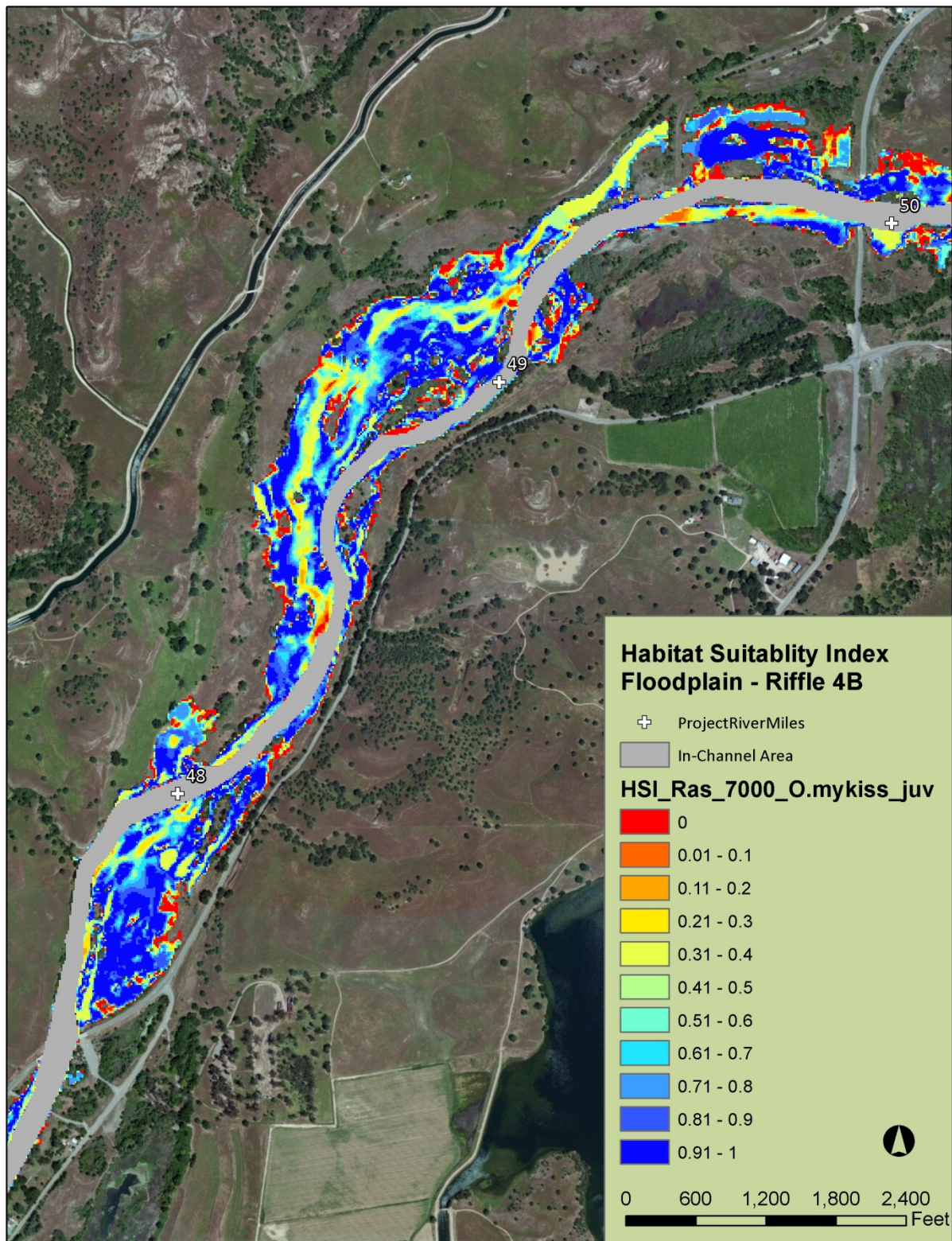


Figure 34. Example plot of joint *O. mykiss* juvenile habitat suitability at modeled floodplain depths and velocities for 7,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

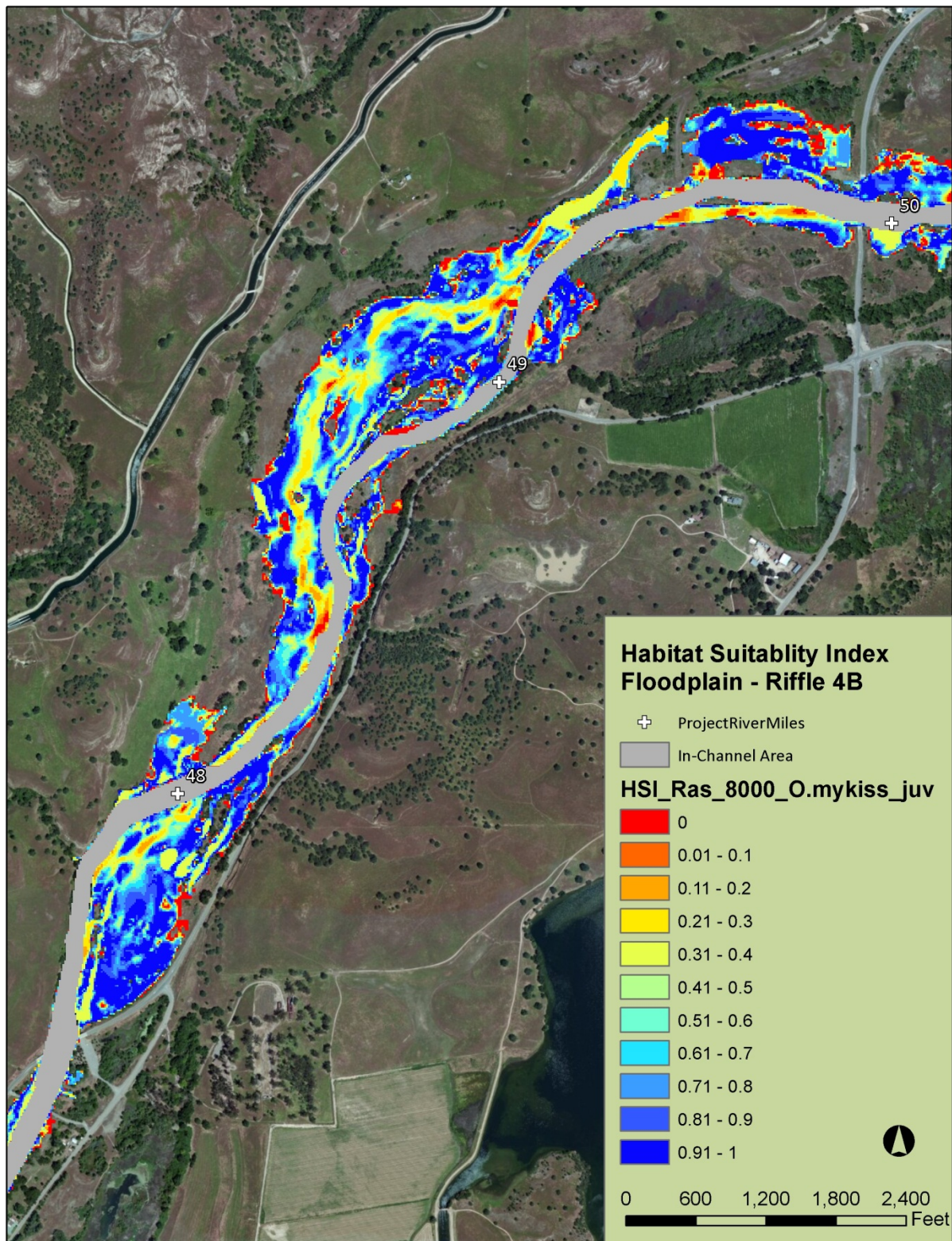


Figure 35. Example plot of joint *O. mykiss* juvenile habitat suitability at modeled floodplain depths and velocities for 8,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

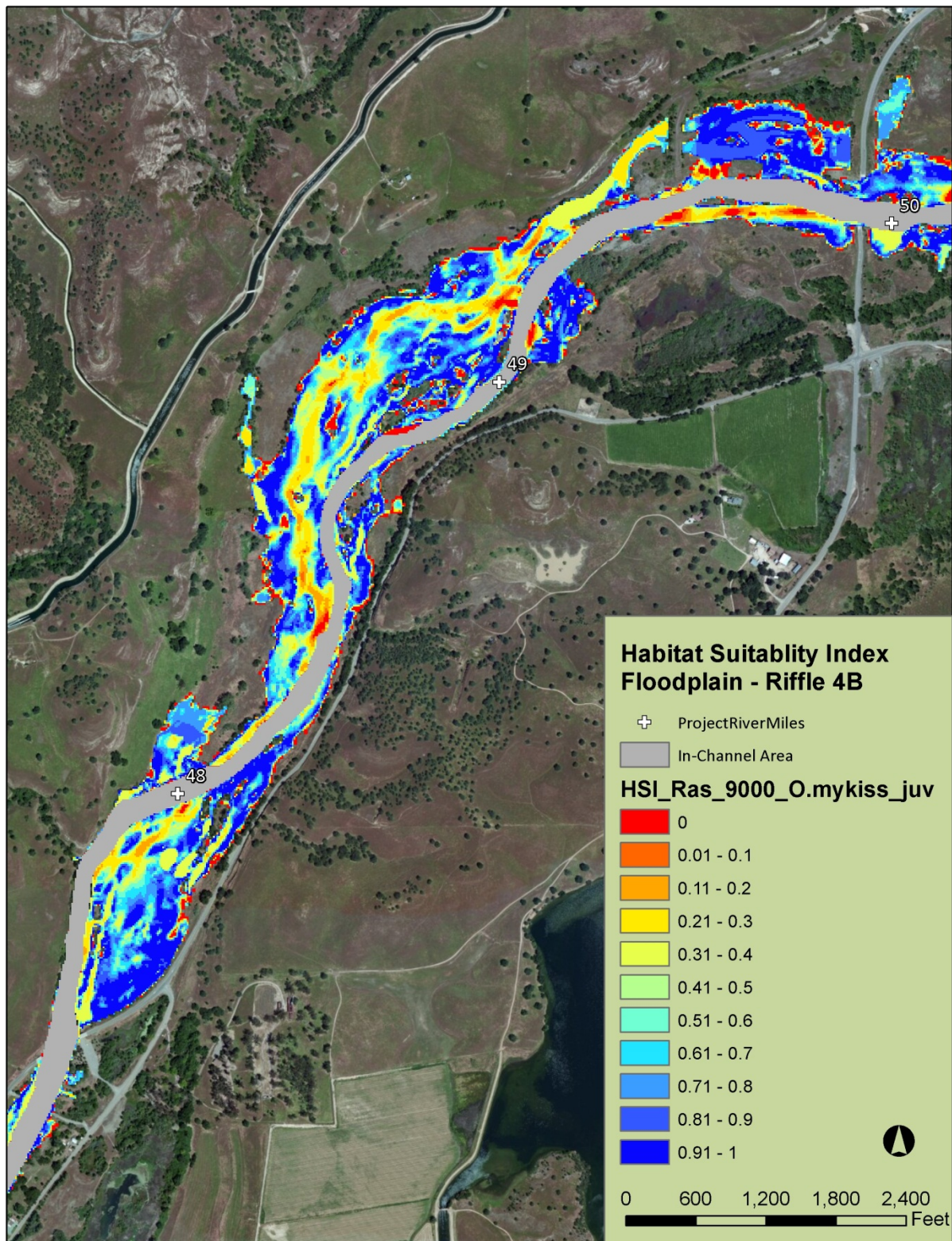


Figure 36. Example plot of joint *O. mykiss* juvenile habitat suitability at modeled floodplain depths and velocities for 9,000 cfs at Riffle 4B (RM 48.5) along the lower Tuolumne River.

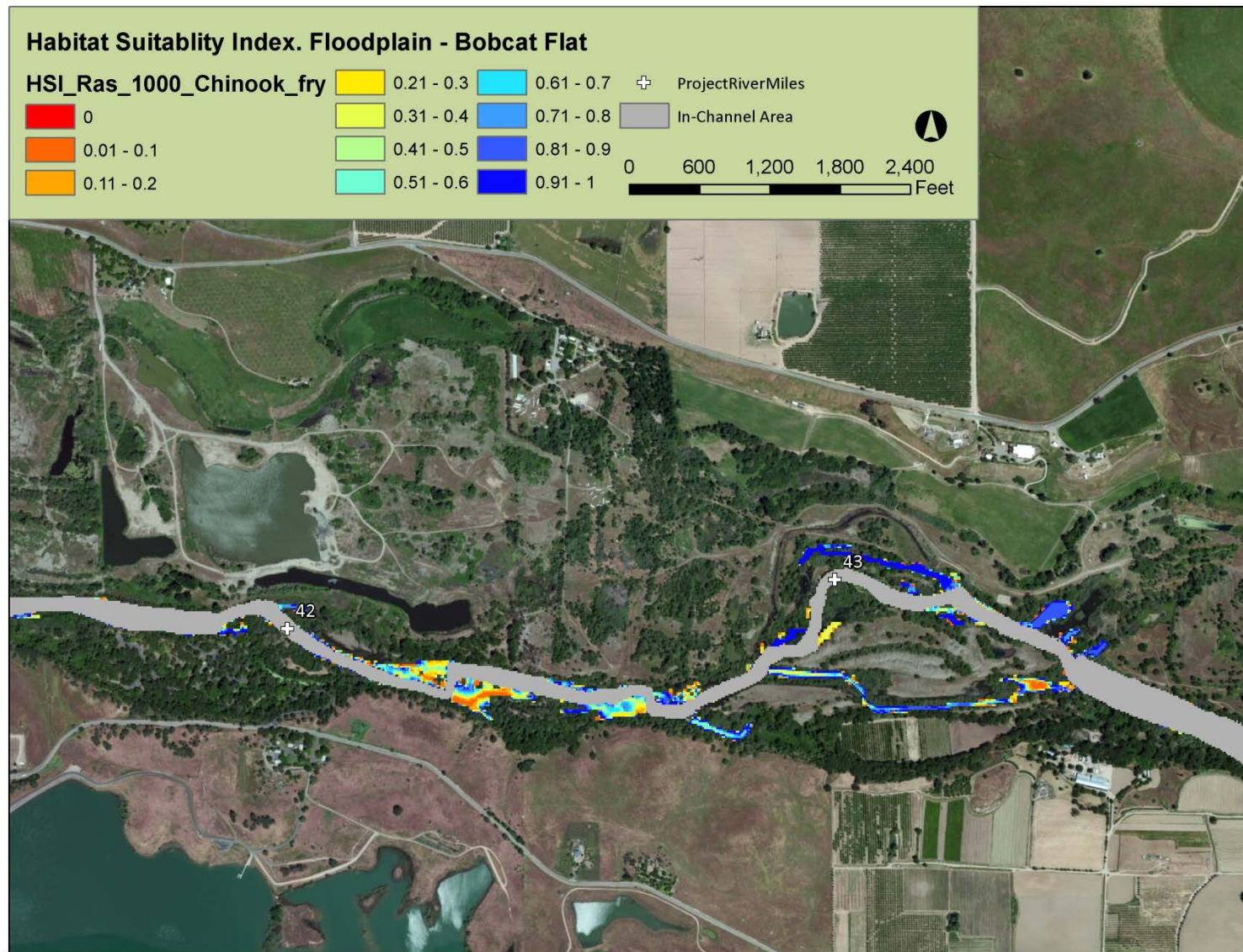


Figure 37. Example plot of joint Chinook salmon fry habitat suitability at modeled floodplain depths and velocities for 1,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

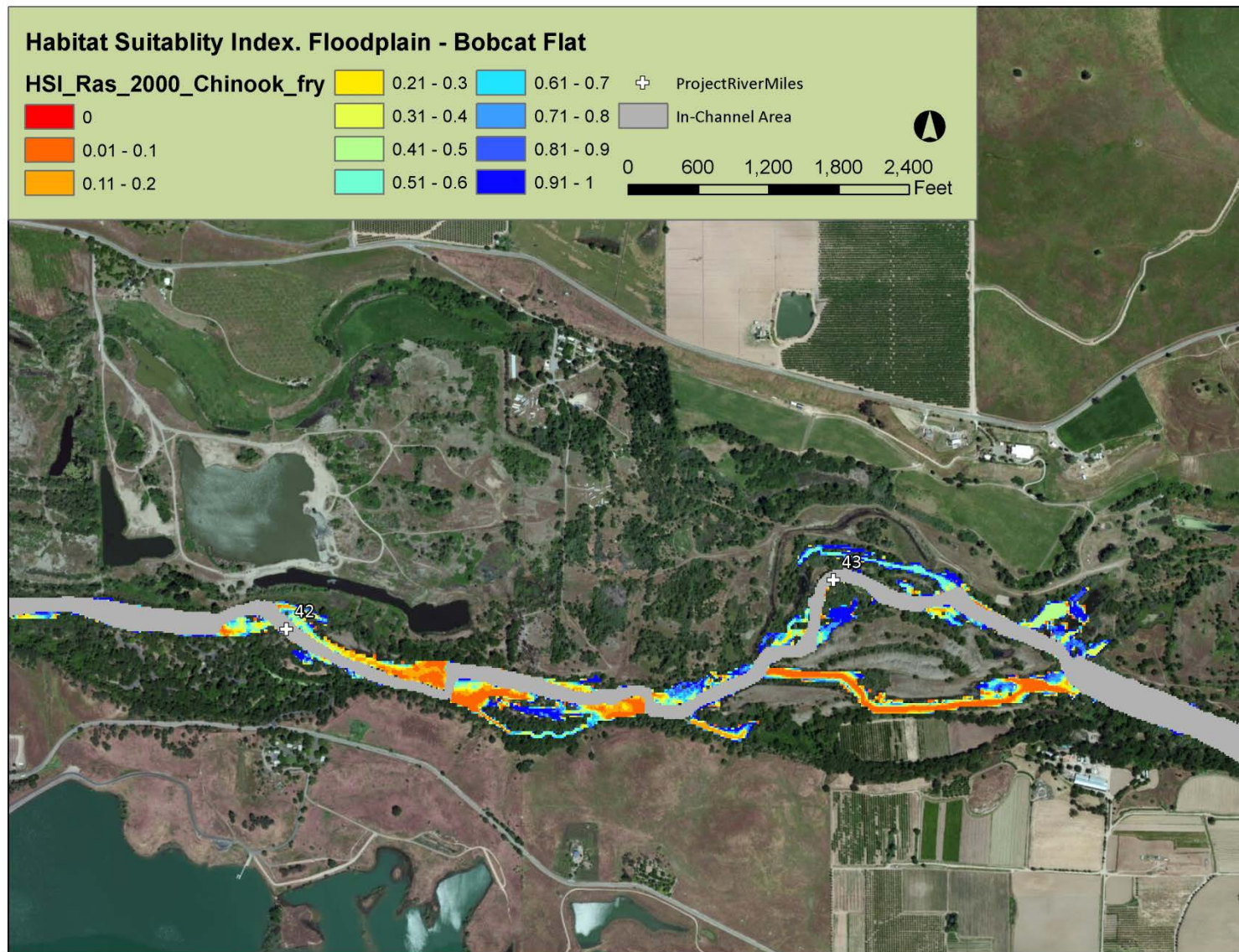


Figure 38. Example plot of joint Chinook salmon fry habitat suitability at modeled floodplain depths and velocities for 2,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

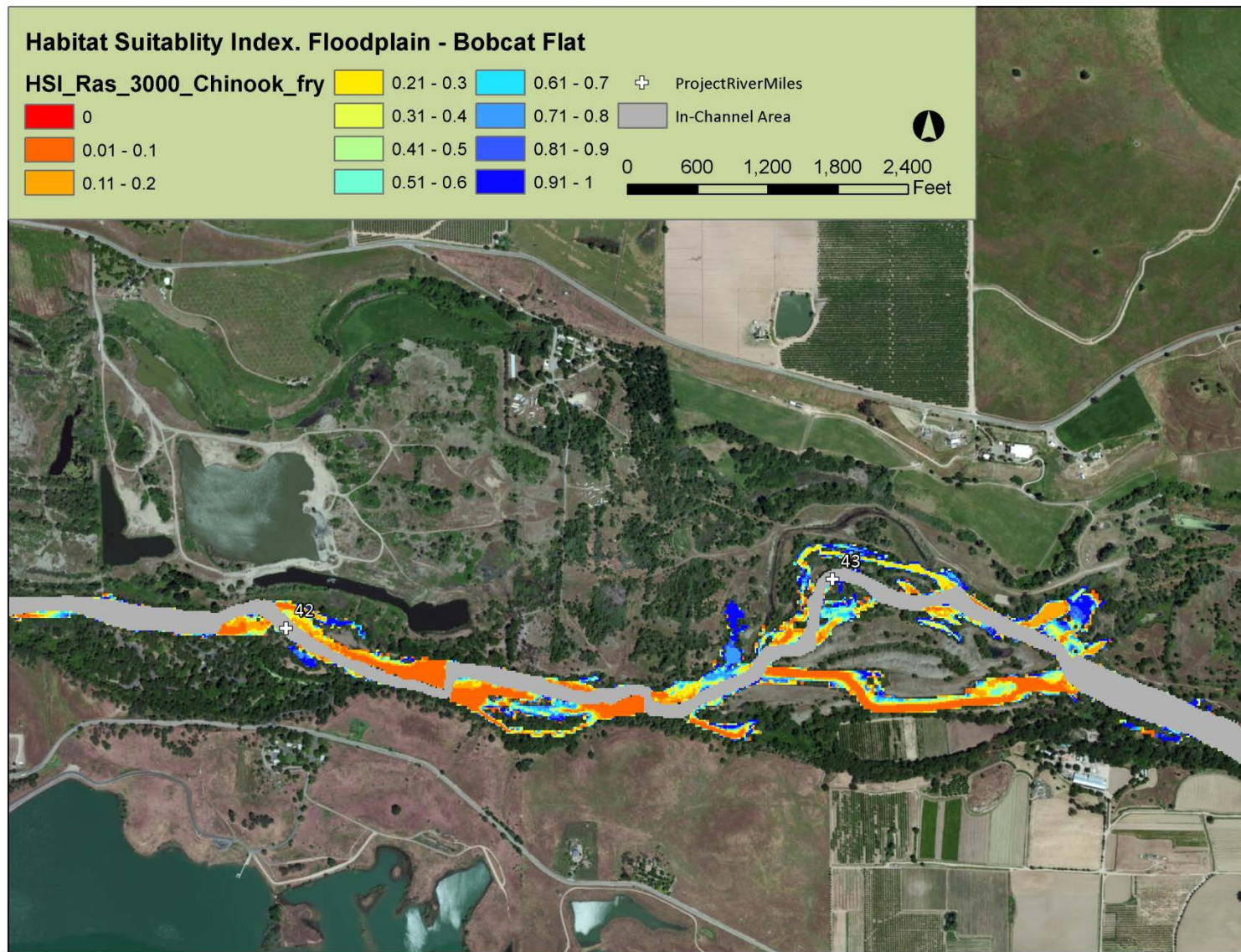


Figure 39. Example plot of joint Chinook salmon fry habitat suitability at modeled floodplain depths and velocities for 3,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

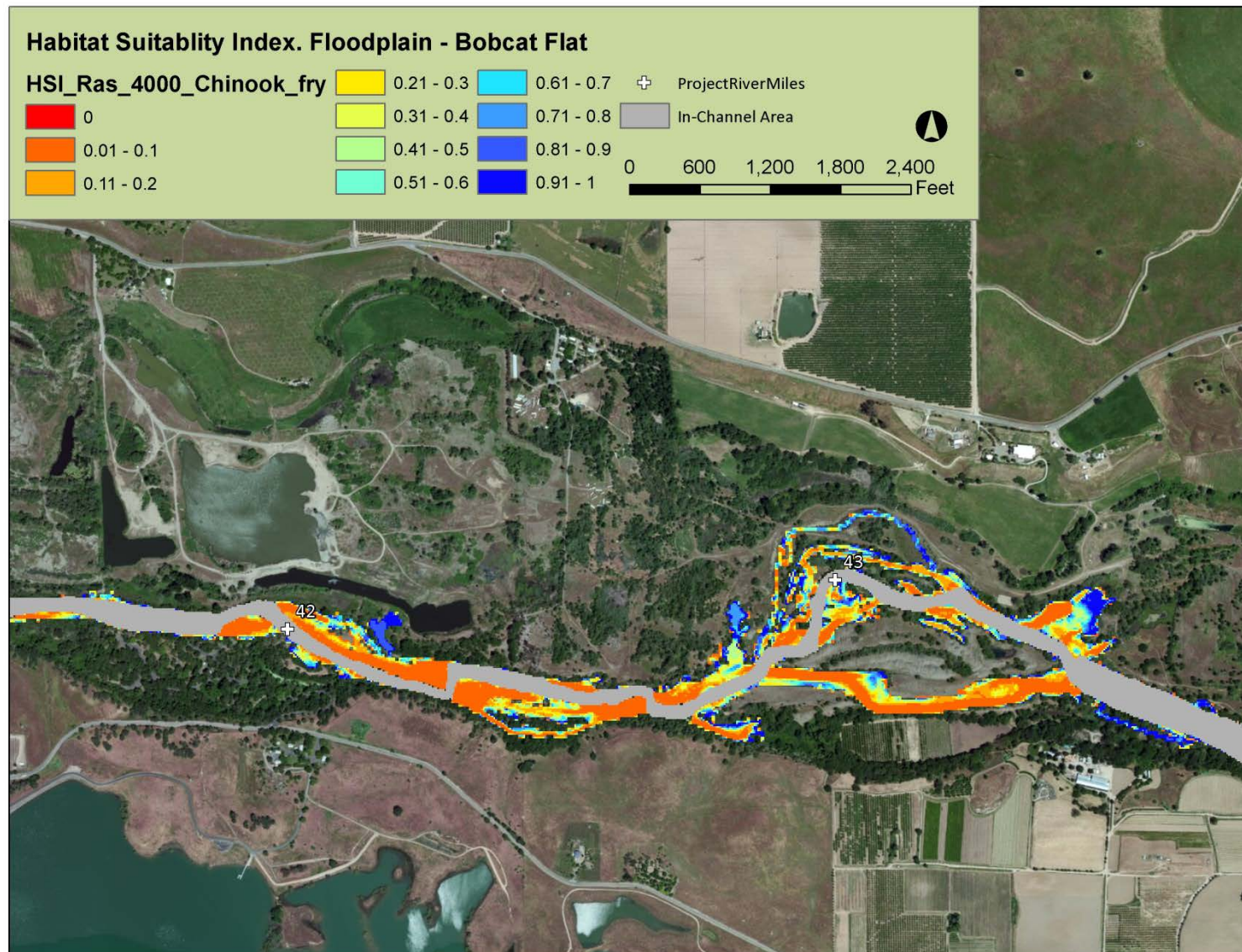


Figure 40. Example plot of joint Chinook salmon fry habitat suitability at modeled floodplain depths and velocities for 4,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

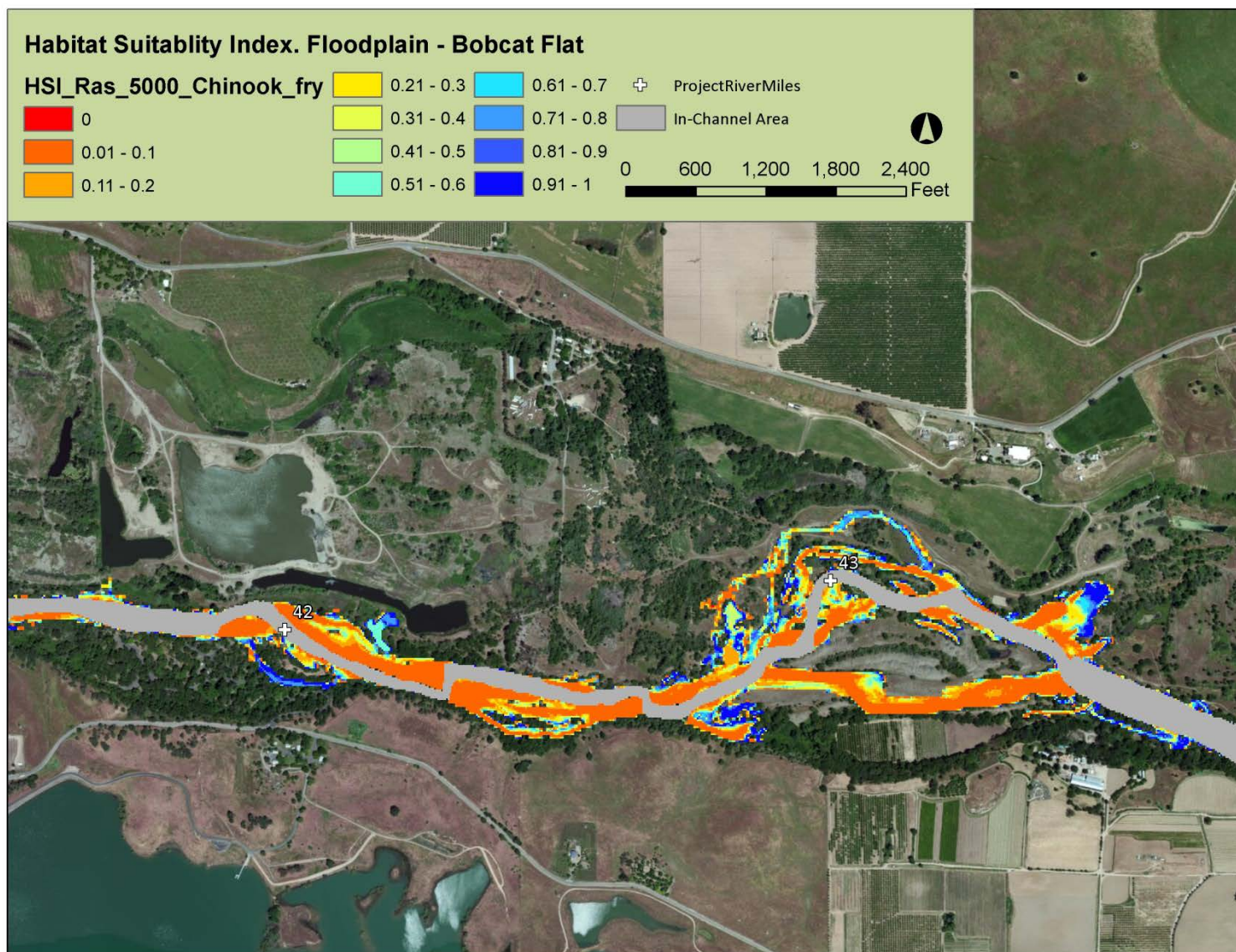


Figure 41. Example plot of joint Chinook salmon fry habitat suitability at modeled floodplain depths and velocities for 5,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

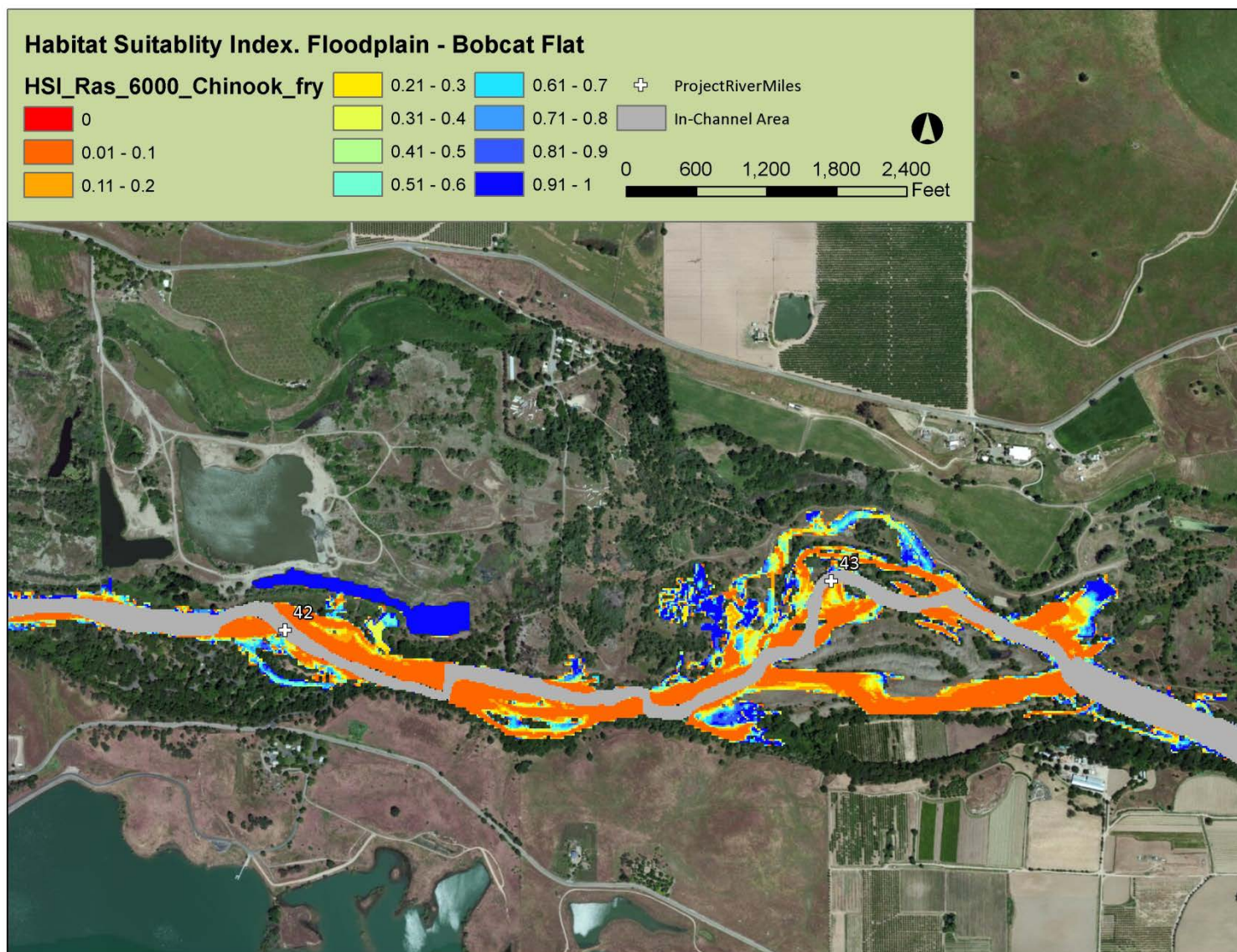


Figure 42. Example plot of joint Chinook salmon fry habitat suitability at modeled floodplain depths and velocities for 6,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

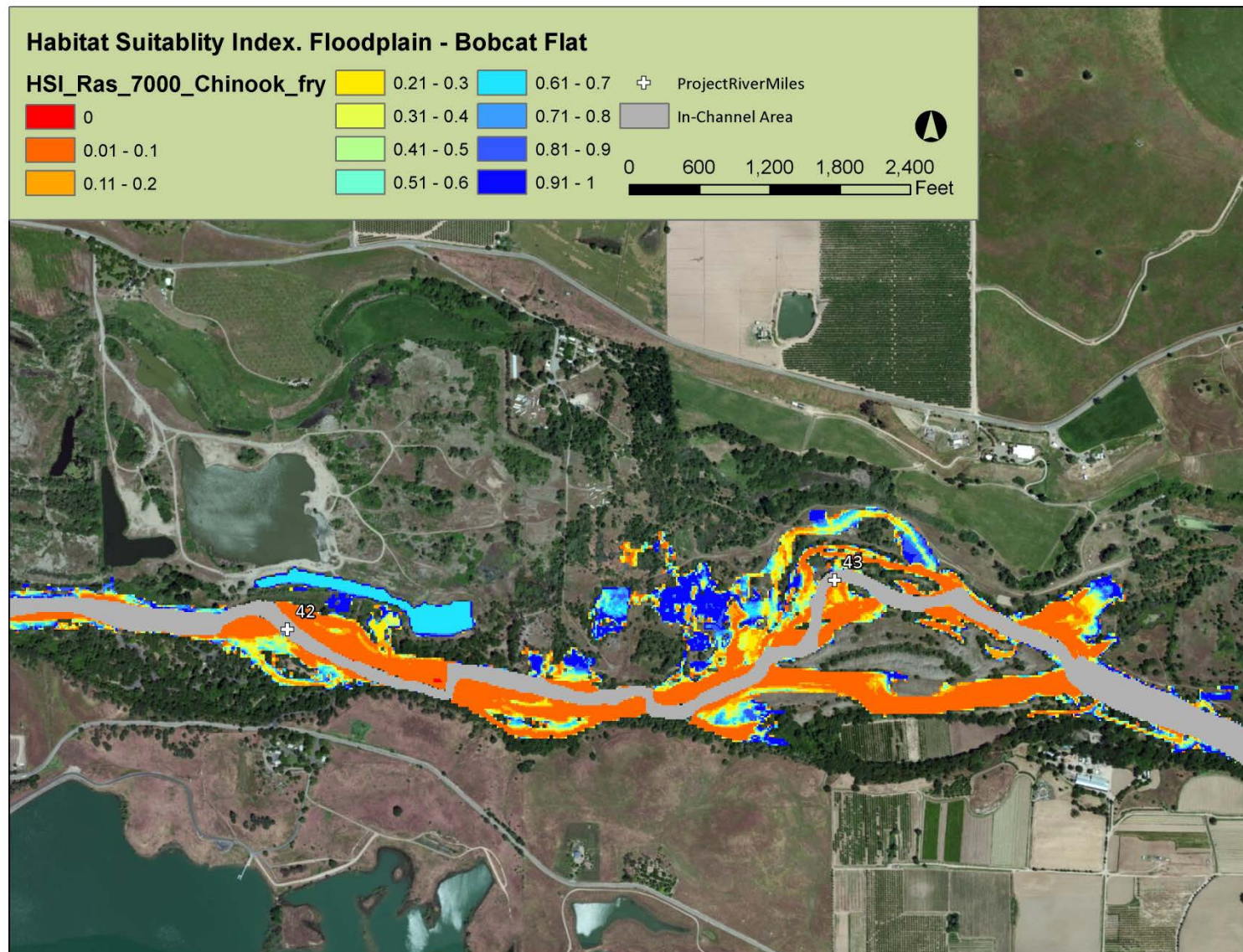


Figure 43. Example plot of joint Chinook salmon fry habitat suitability at modeled floodplain depths and velocities for 7,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

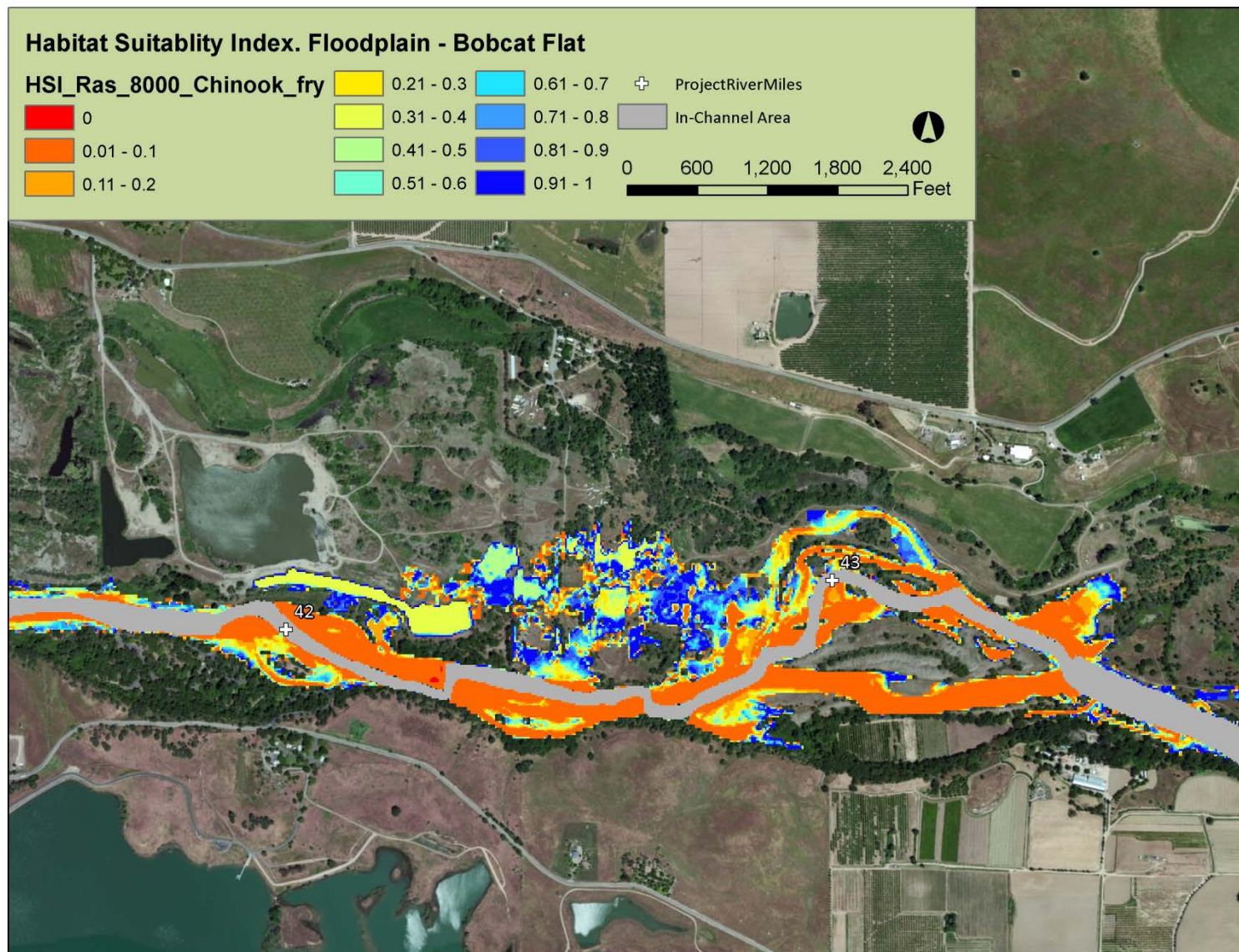


Figure 44. Example plot of joint Chinook salmon fry habitat suitability at modeled floodplain depths and velocities for 8,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

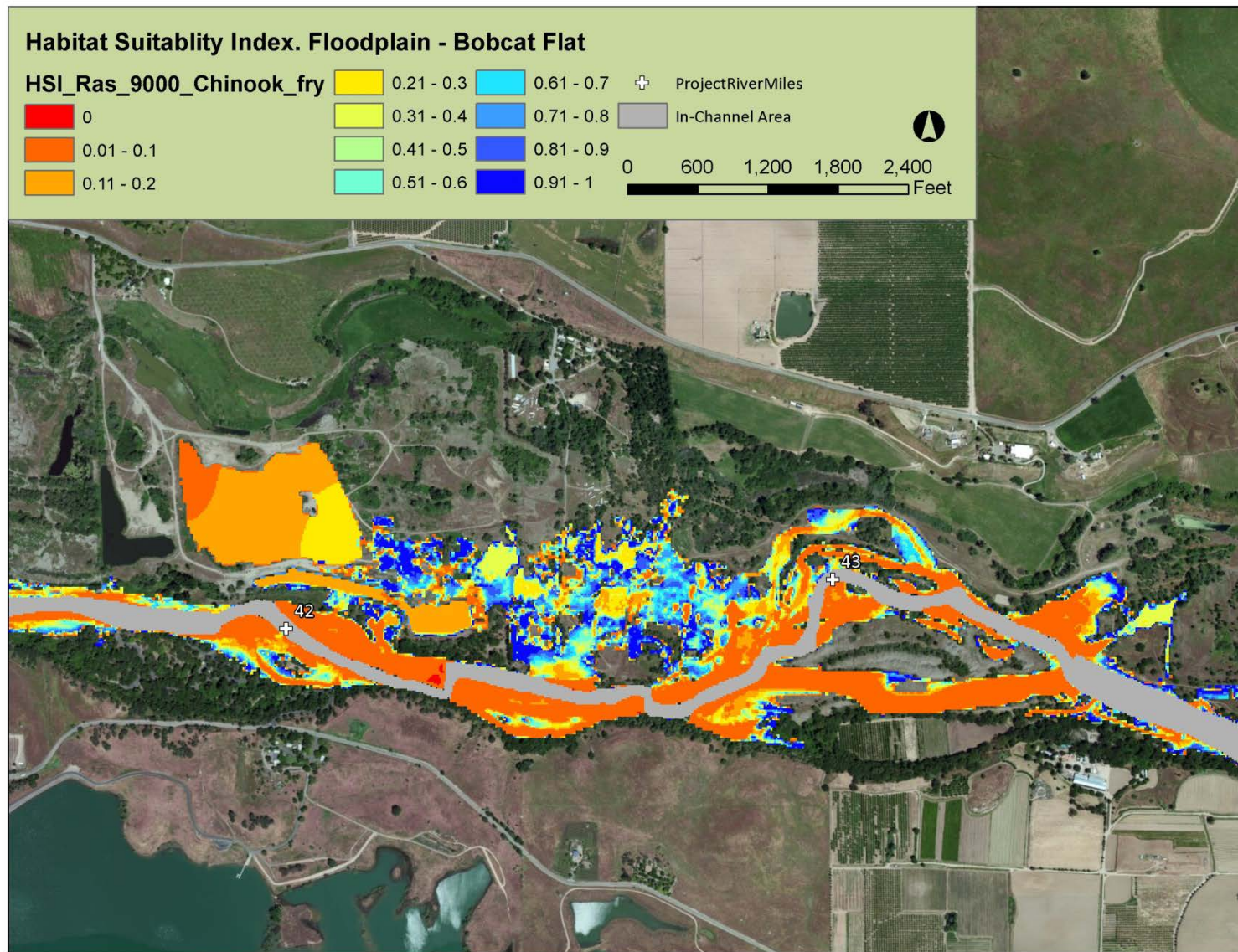


Figure 45. Example plot of joint Chinook salmon fry habitat suitability at modeled floodplain depths and velocities for 9,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

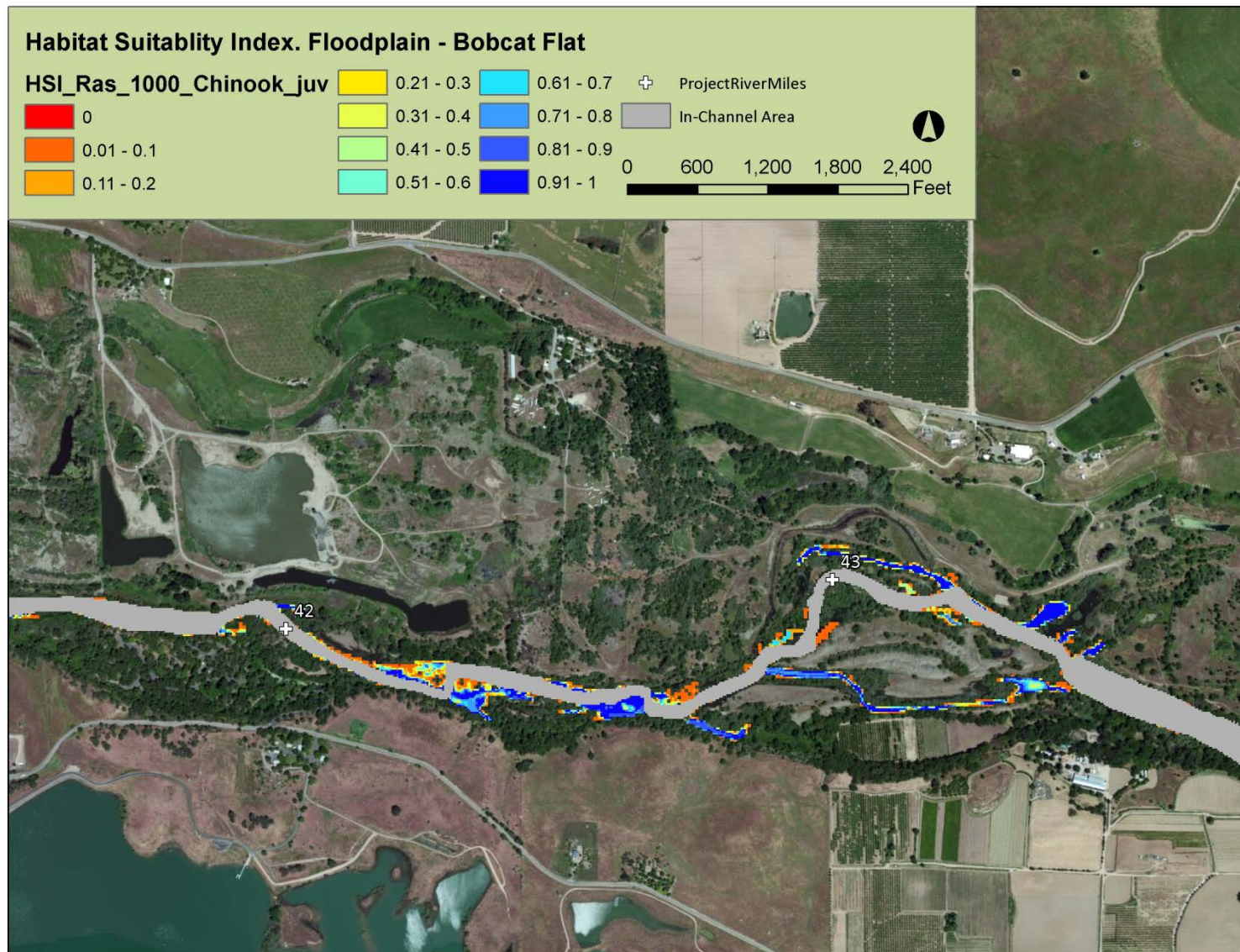


Figure 46. Example plot of joint Chinook salmon juvenile habitat suitability at modeled floodplain depths and velocities for 1,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

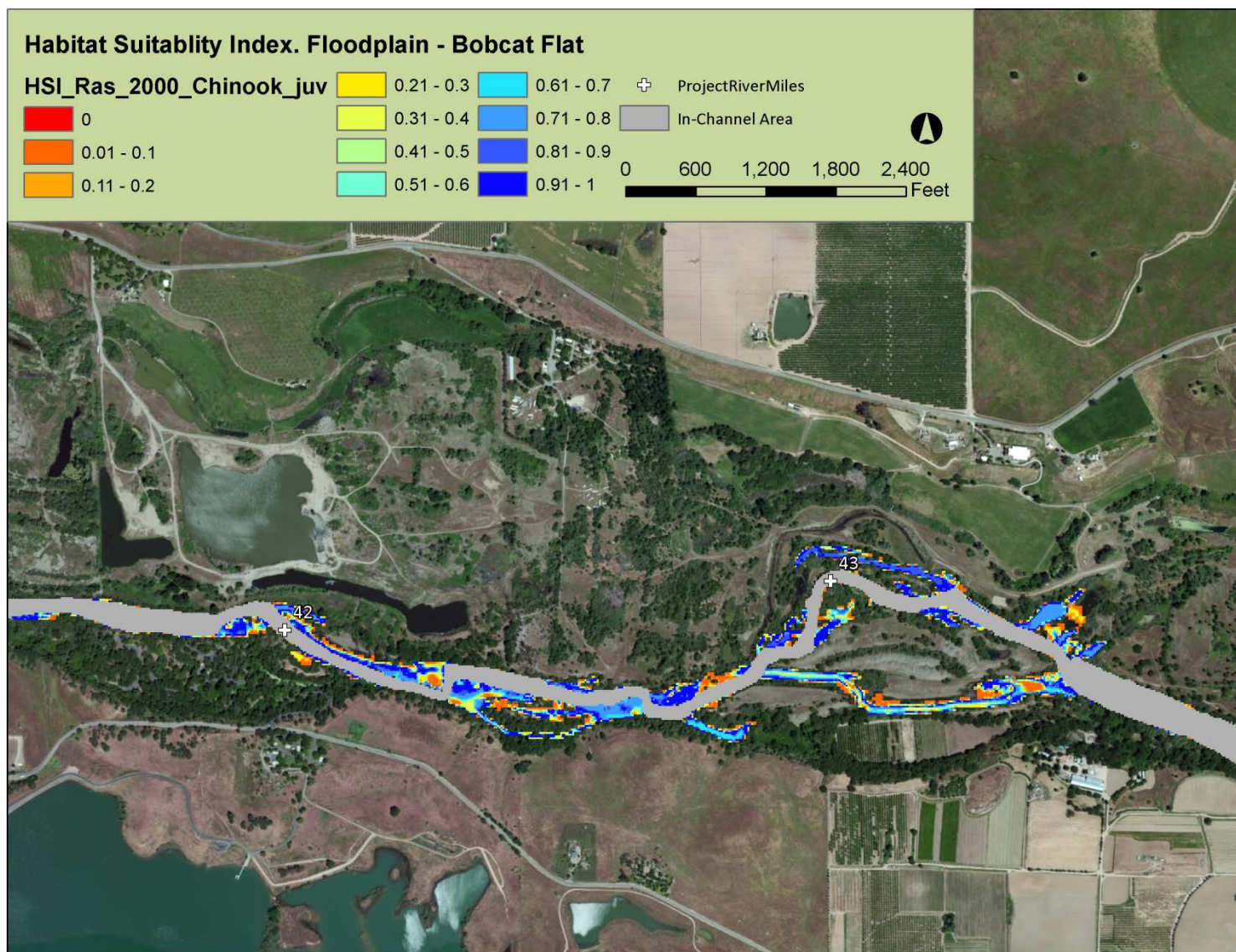


Figure 47. Example plot of joint Chinook salmon juvenile habitat suitability at modeled floodplain depths and velocities for 2,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

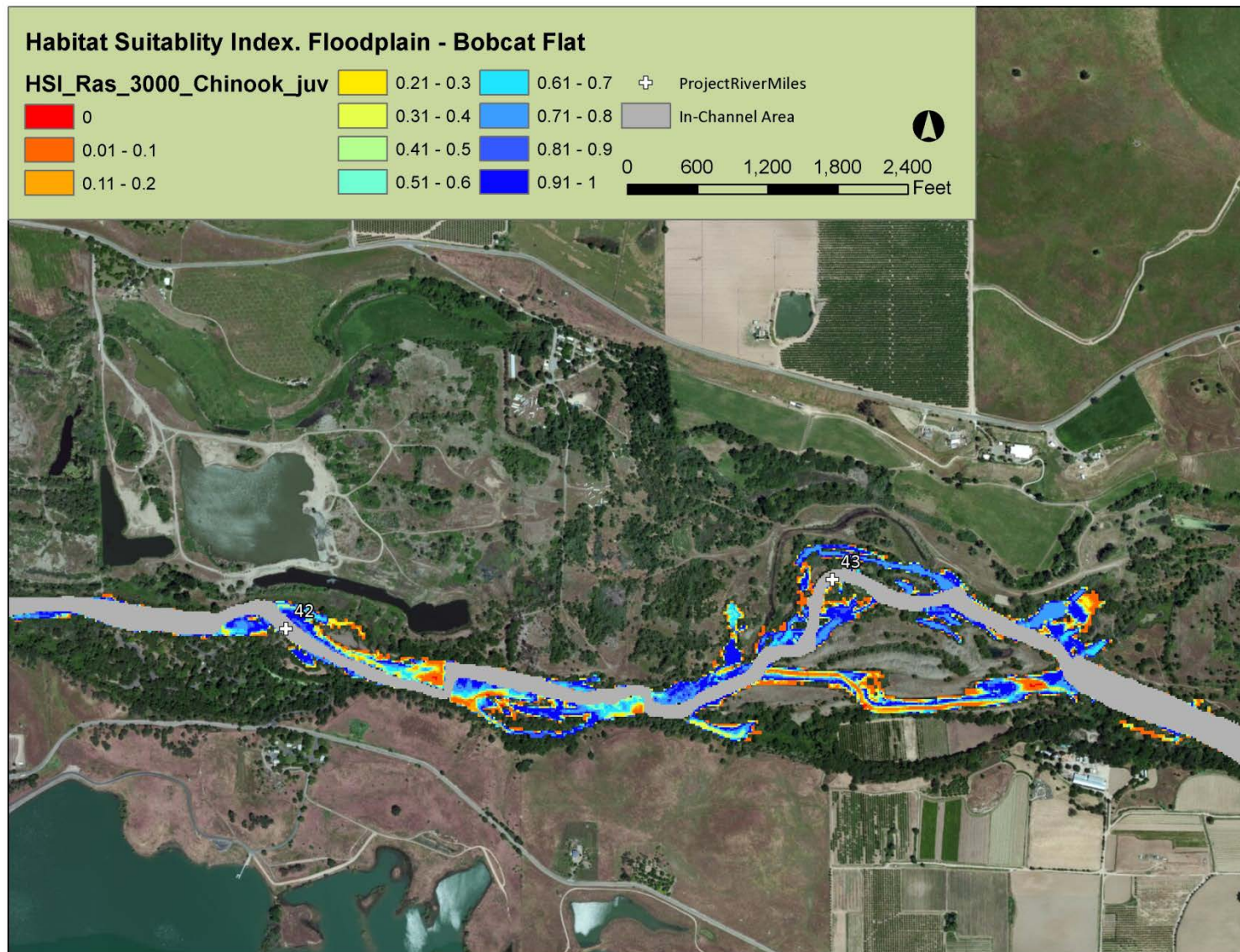


Figure 48. Example plot of joint Chinook salmon juvenile habitat suitability at modeled floodplain depths and velocities for 3,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

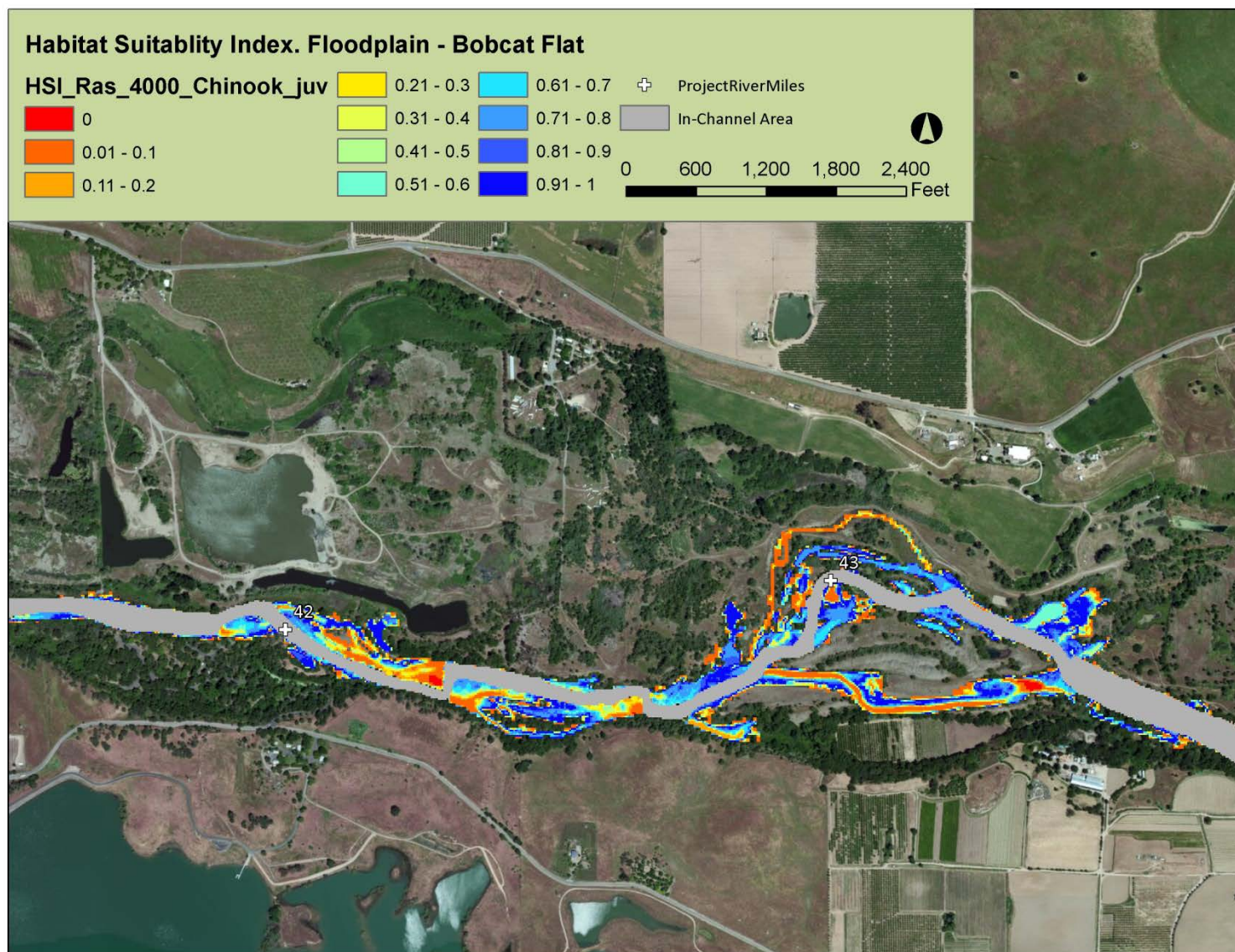


Figure 49. Example plot of joint Chinook salmon juvenile habitat suitability at modeled floodplain depths and velocities for 4,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

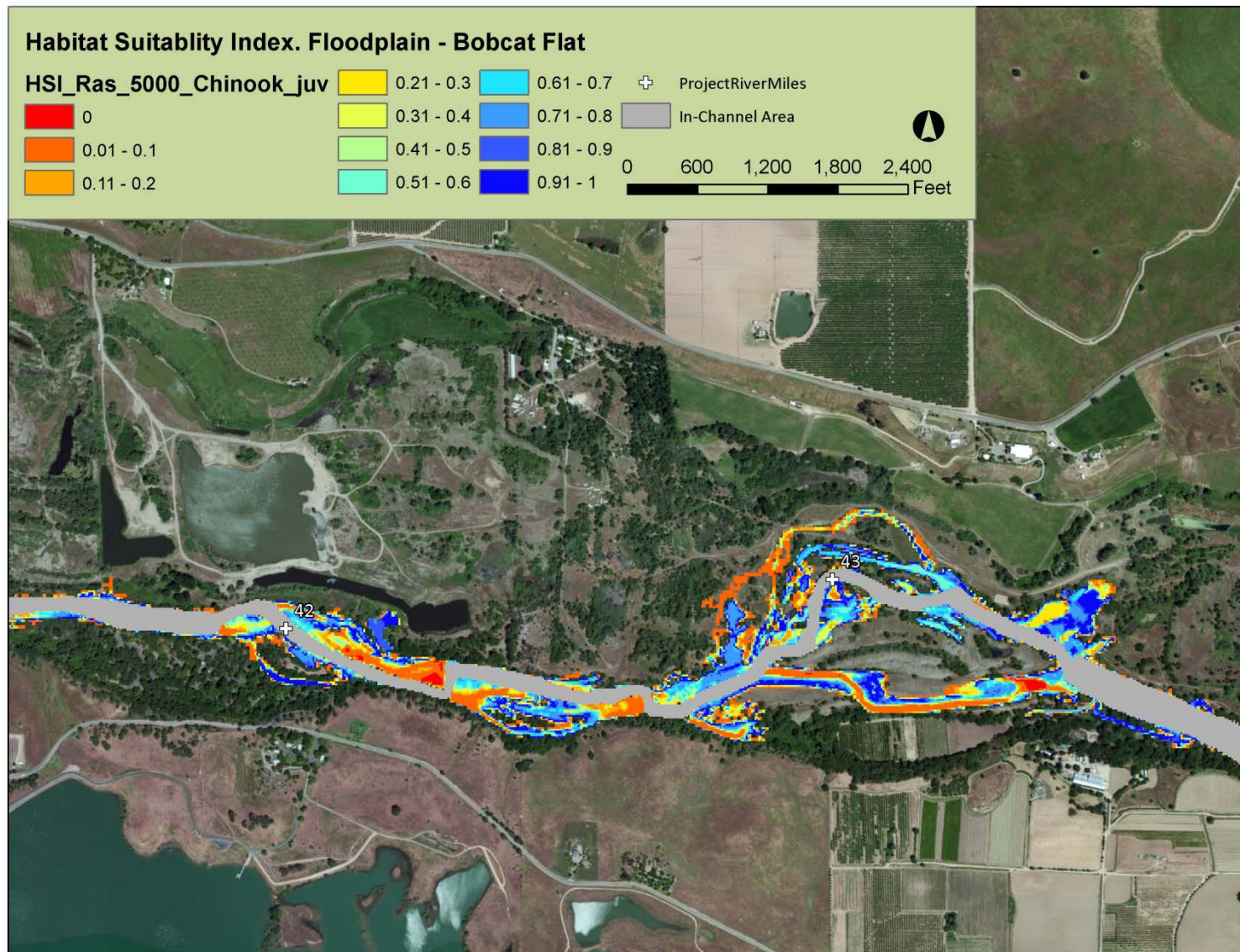


Figure 50. Example plot of joint Chinook salmon juvenile habitat suitability at modeled floodplain depths and velocities for 5,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

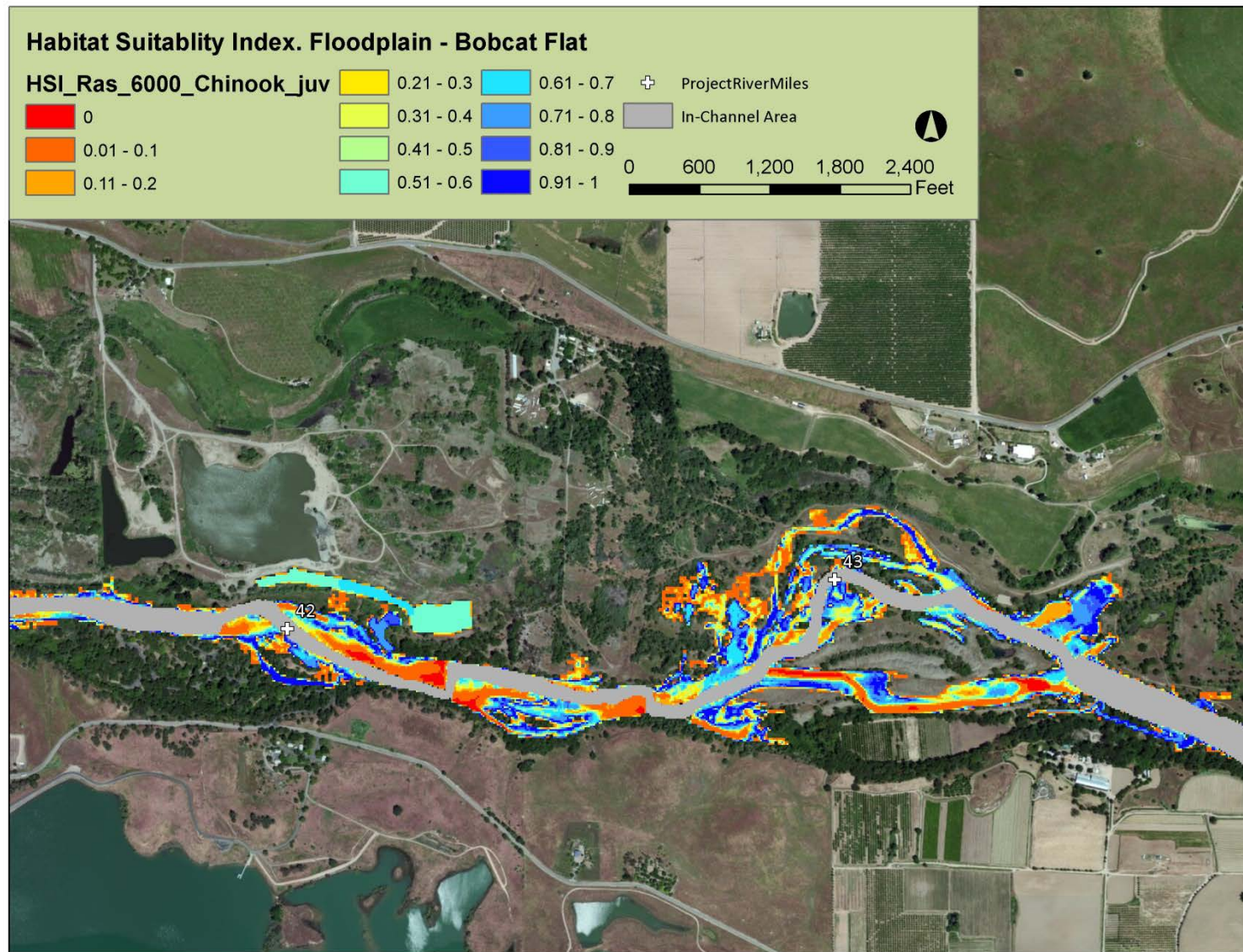


Figure 51. Example plot of joint Chinook salmon juvenile habitat suitability at modeled floodplain depths and velocities for 6,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

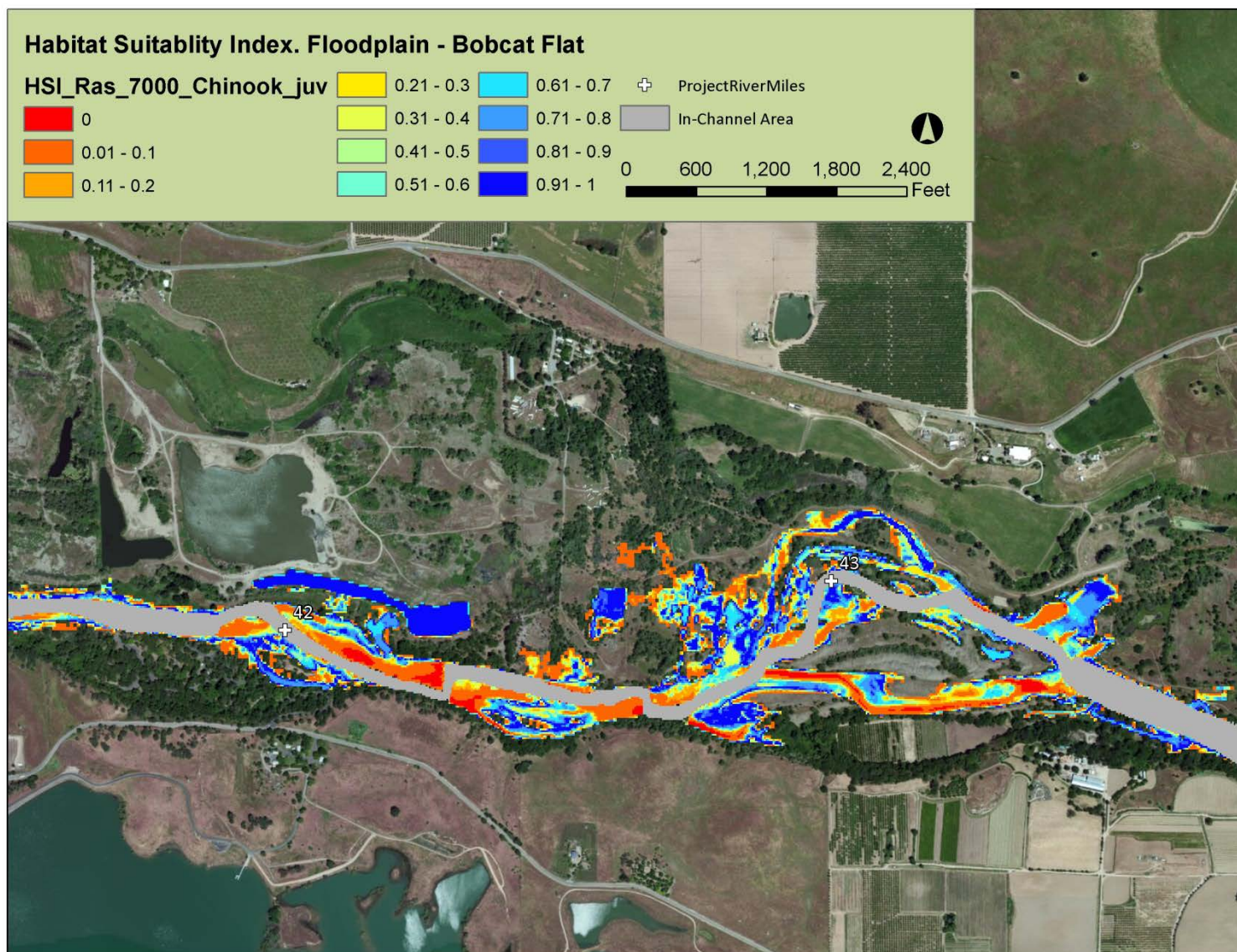


Figure 52. Example plot of joint Chinook salmon juvenile habitat suitability at modeled floodplain depths and velocities for 7,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

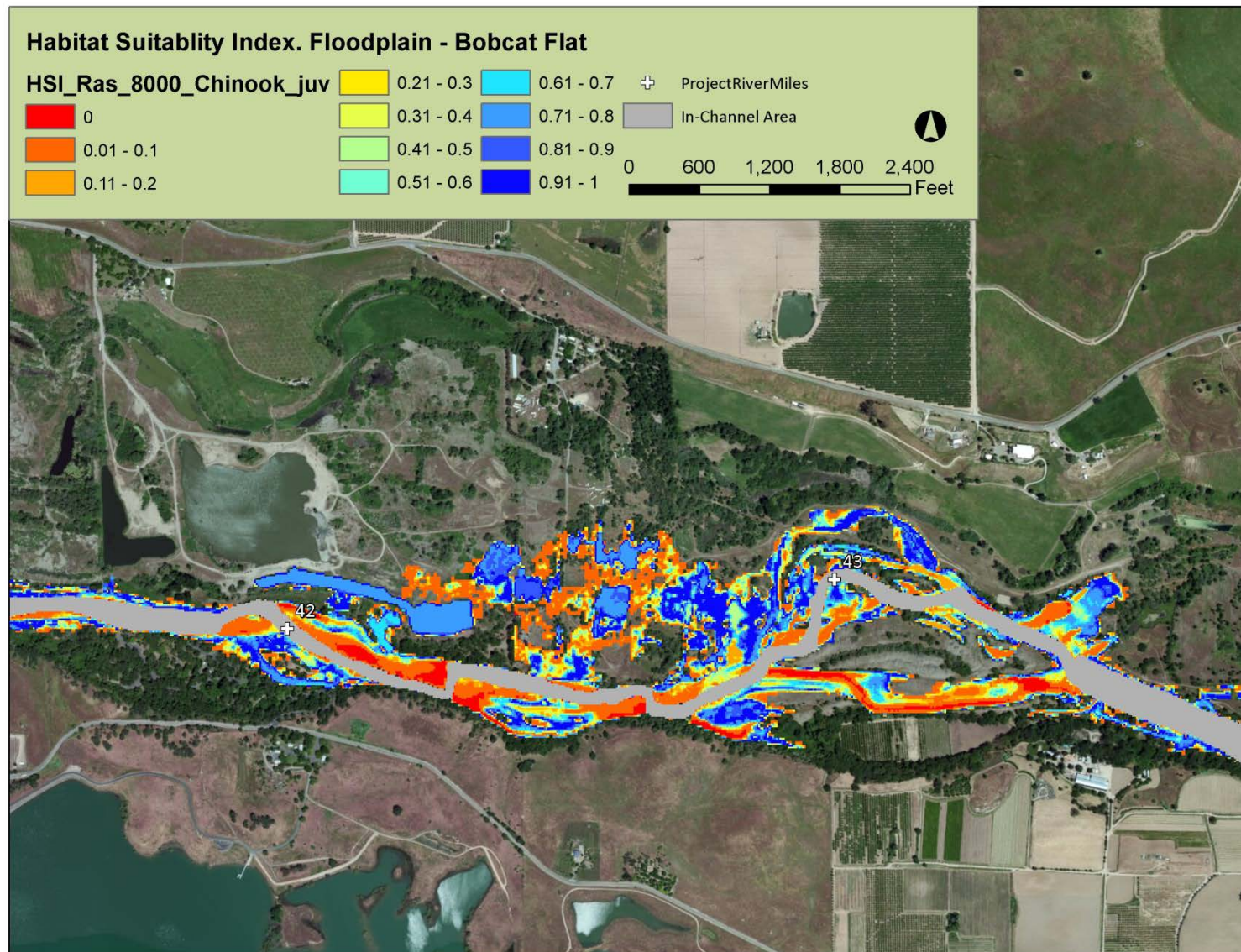


Figure 53. Example plot of joint Chinook salmon juvenile habitat suitability at modeled floodplain depths and velocities for 8,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

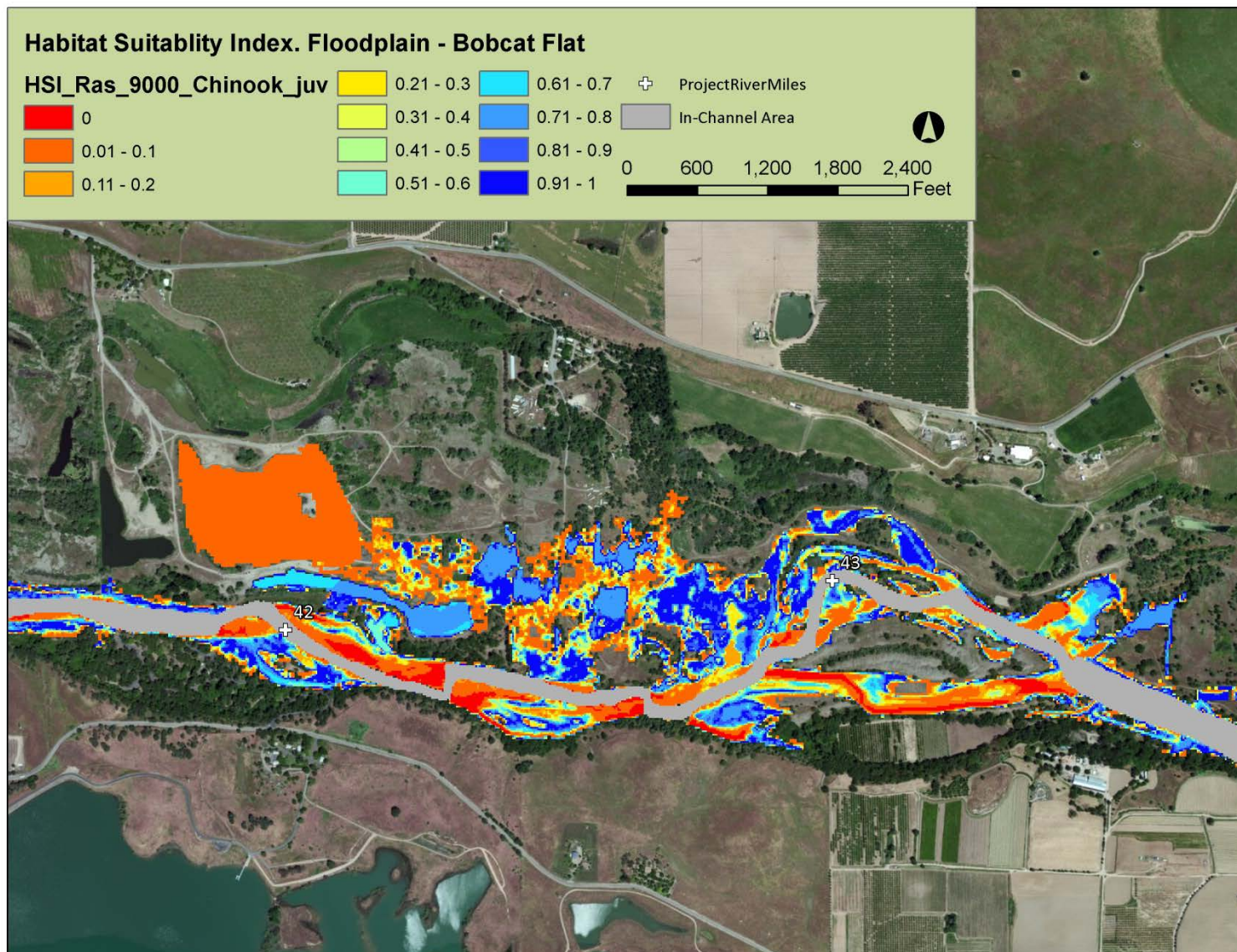


Figure 54. Example plot of joint Chinook salmon juvenile habitat suitability at modeled floodplain depths and velocities for 9,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

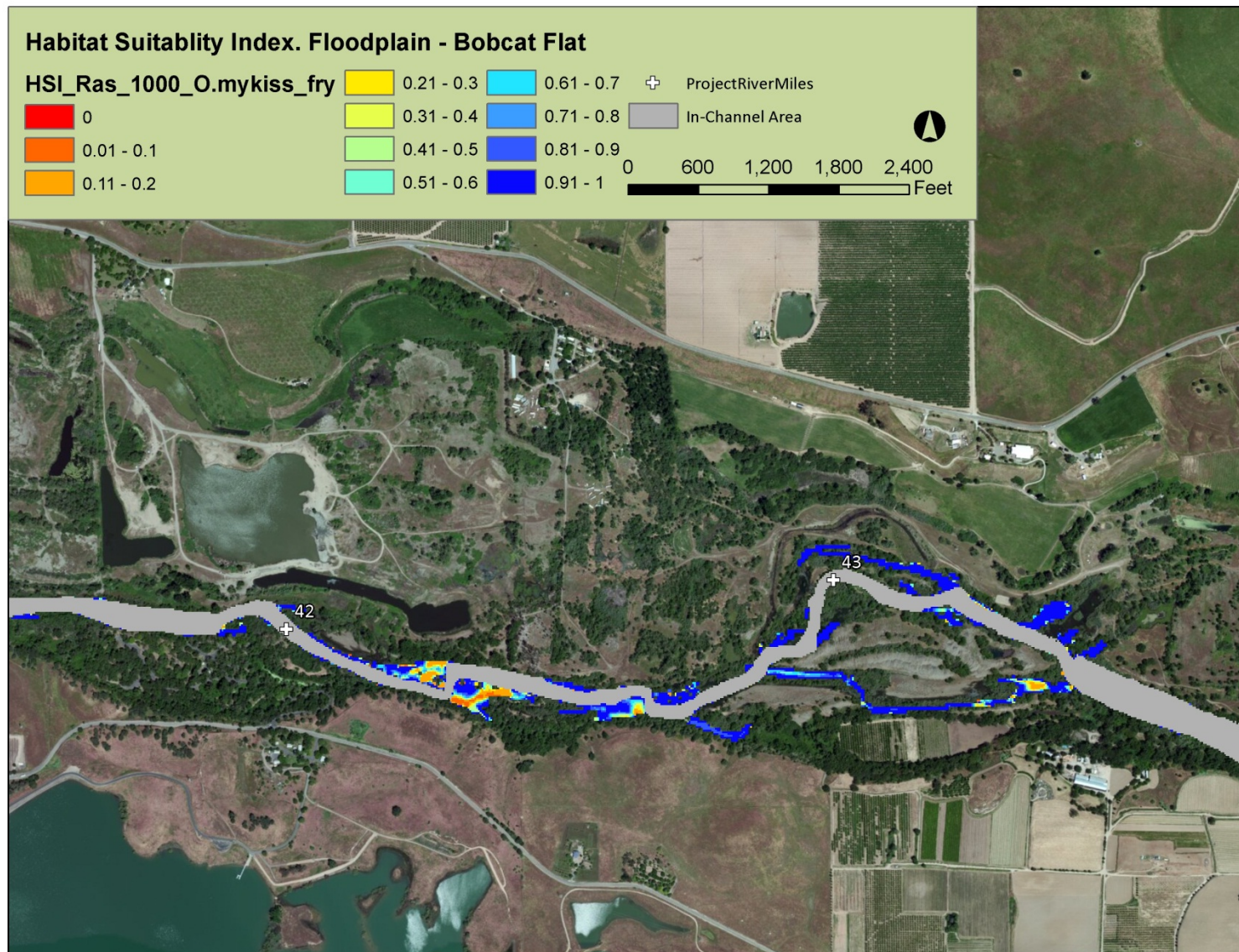


Figure 55. Example plot of joint *O. mykiss* fry habitat suitability at modeled floodplain depths and velocities for 1,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

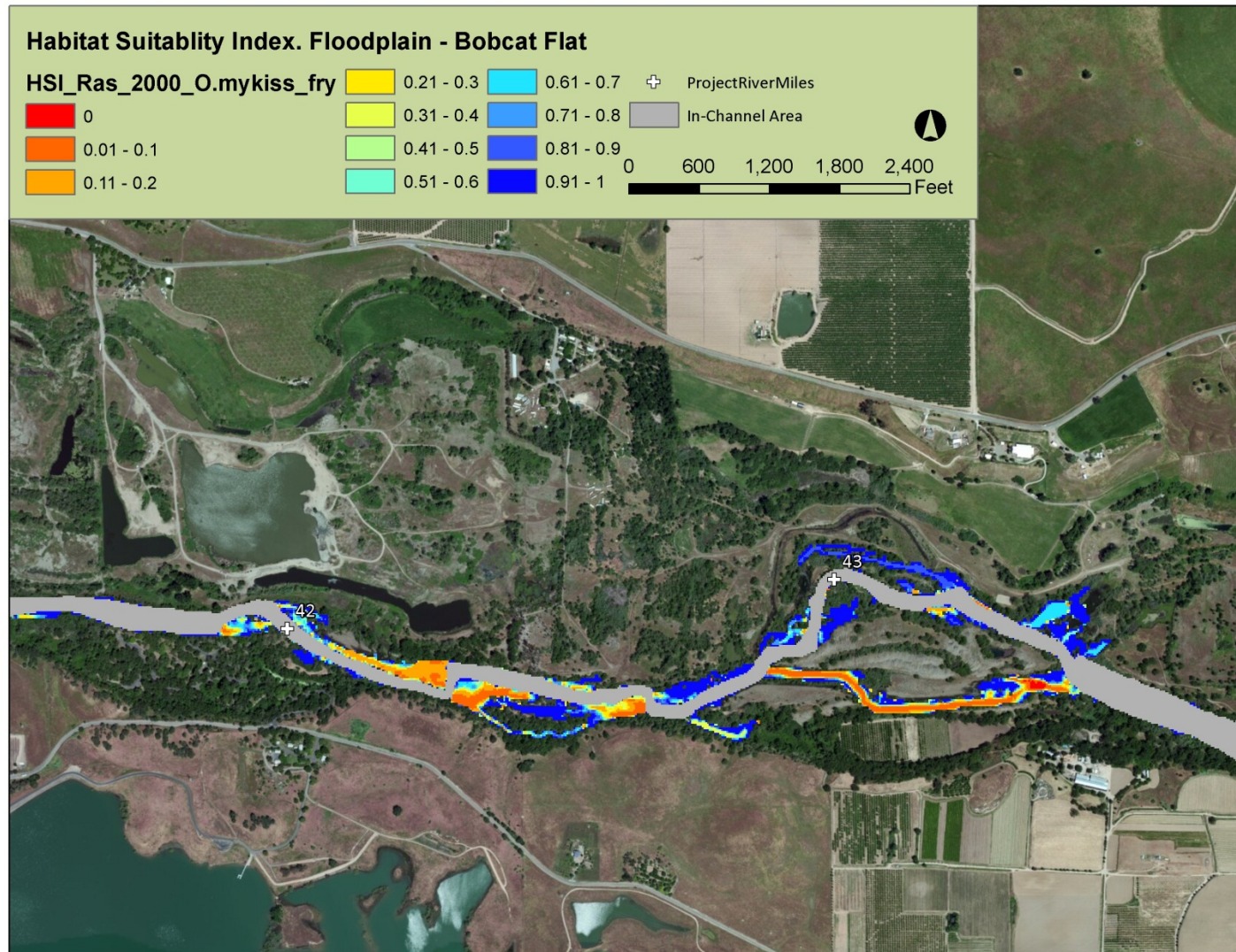


Figure 56. Example plot of joint *O. mykiss* fry habitat suitability at modeled floodplain depths and velocities for 2,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

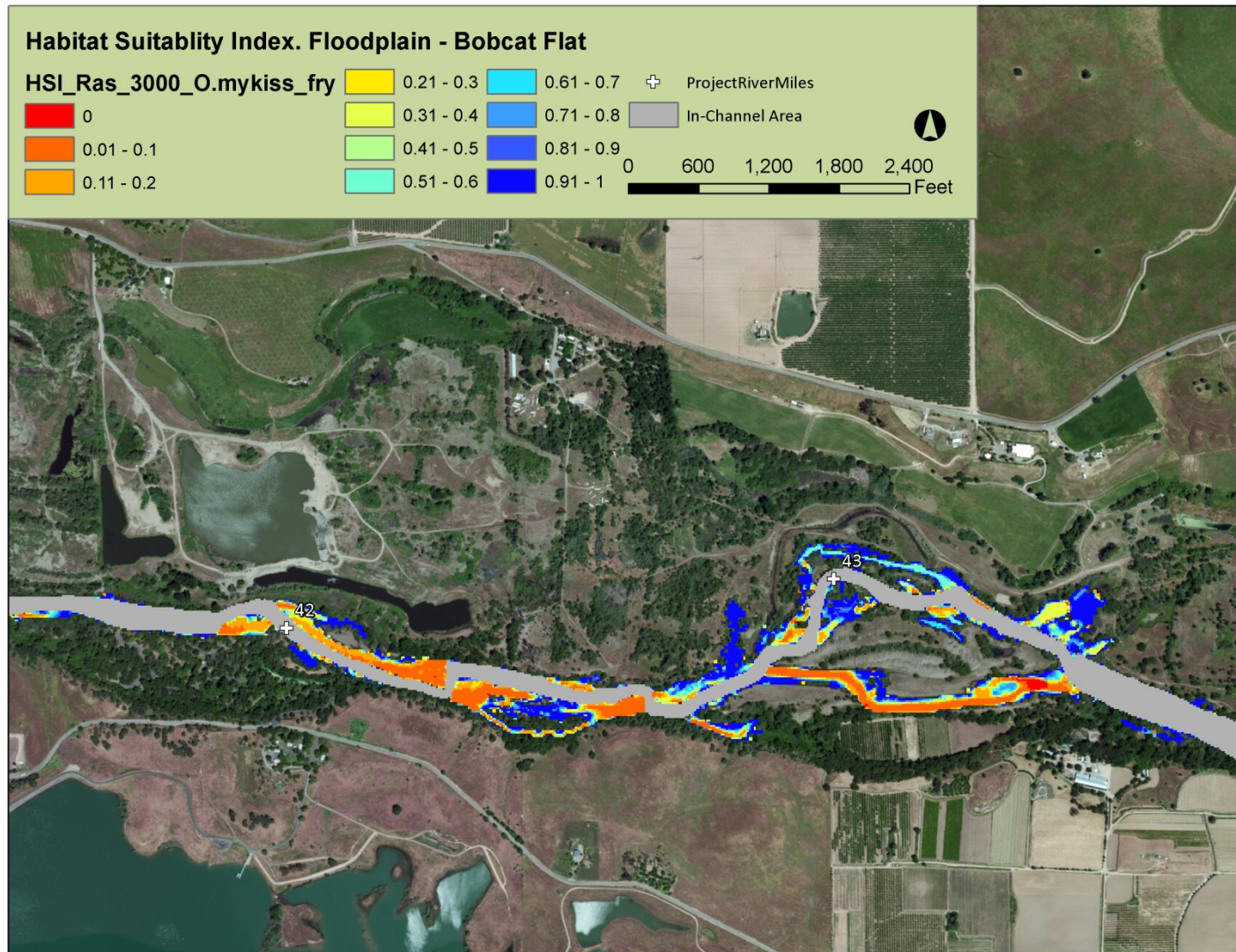


Figure 57. Example plot of joint *O. mykiss* fry habitat suitability at modeled floodplain depths and velocities for 3,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

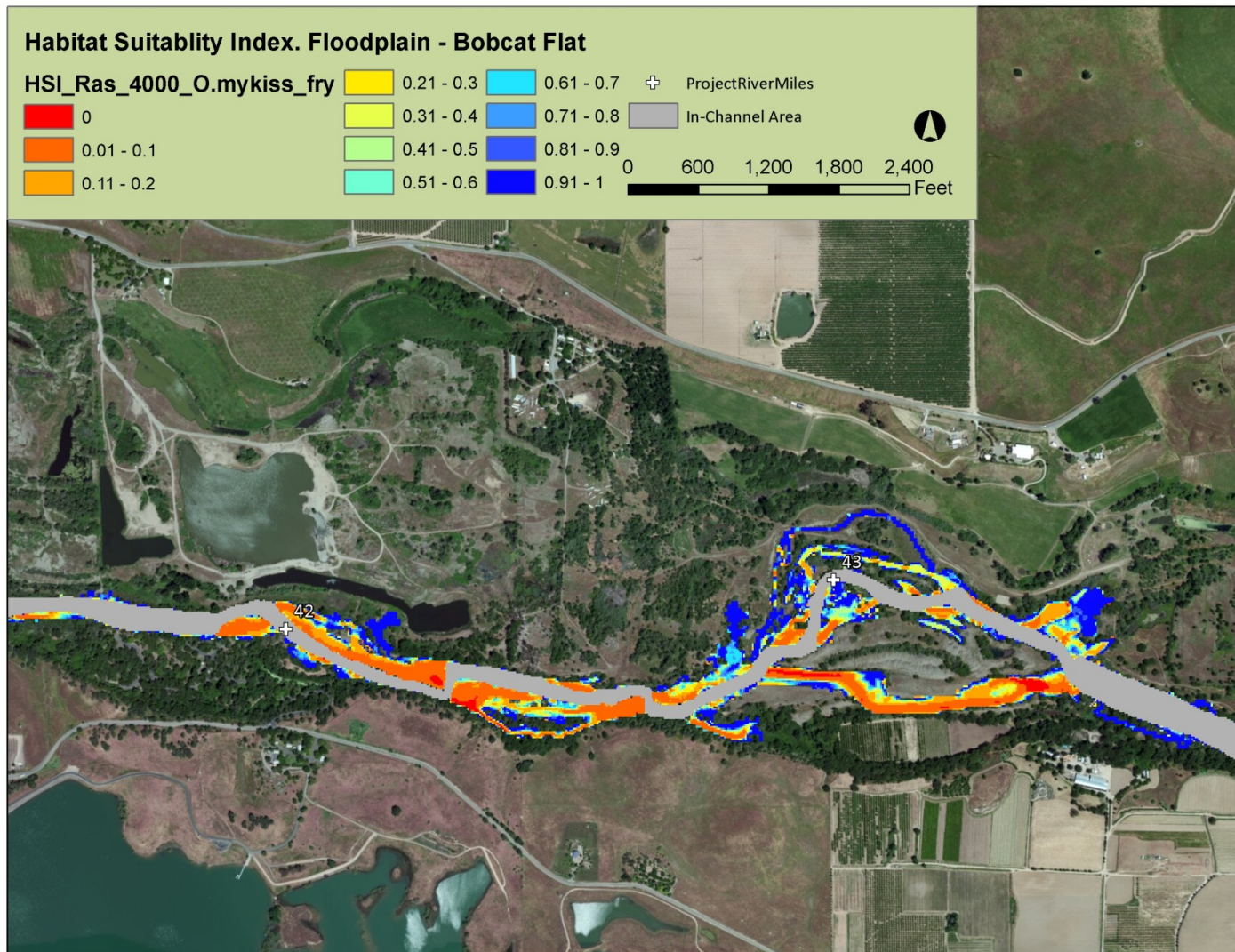


Figure 58. Example plot of joint *O. mykiss* fry habitat suitability at modeled floodplain depths and velocities for 4,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

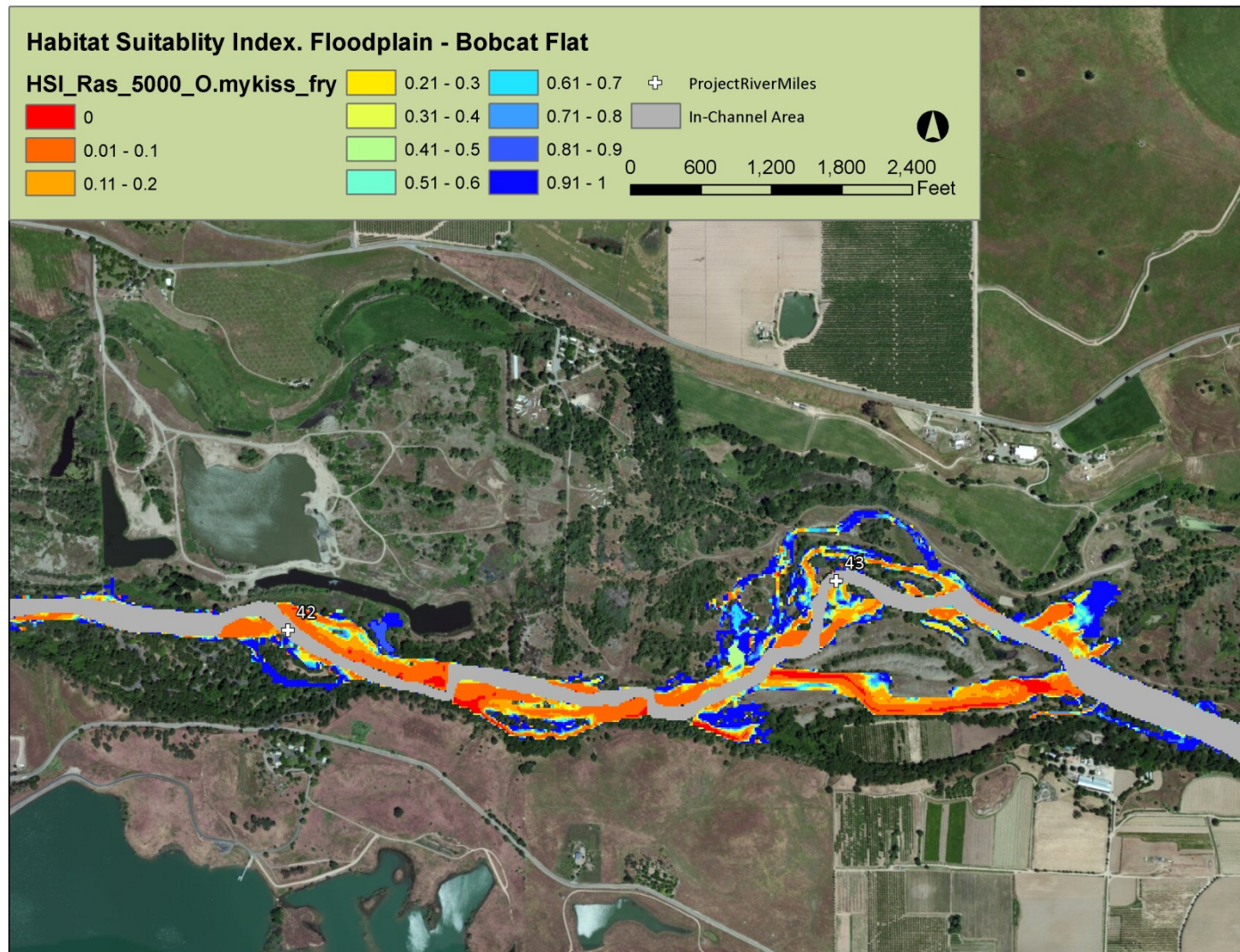


Figure 59. Example plot of joint *O. mykiss* fry habitat suitability at modeled floodplain depths and velocities for 5,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

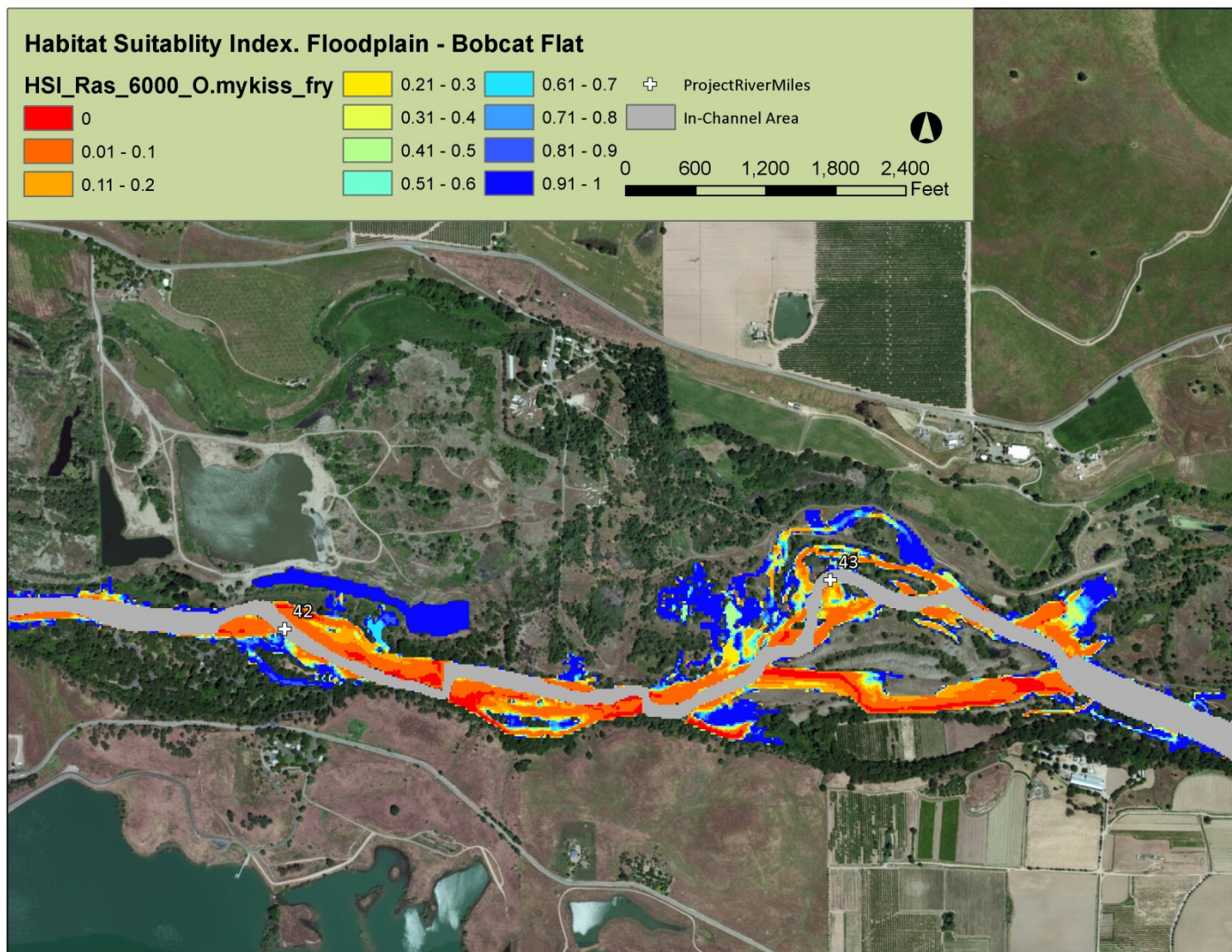


Figure 60. Example plot of joint *O. mykiss* fry habitat suitability at modeled floodplain depths and velocities for 6,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

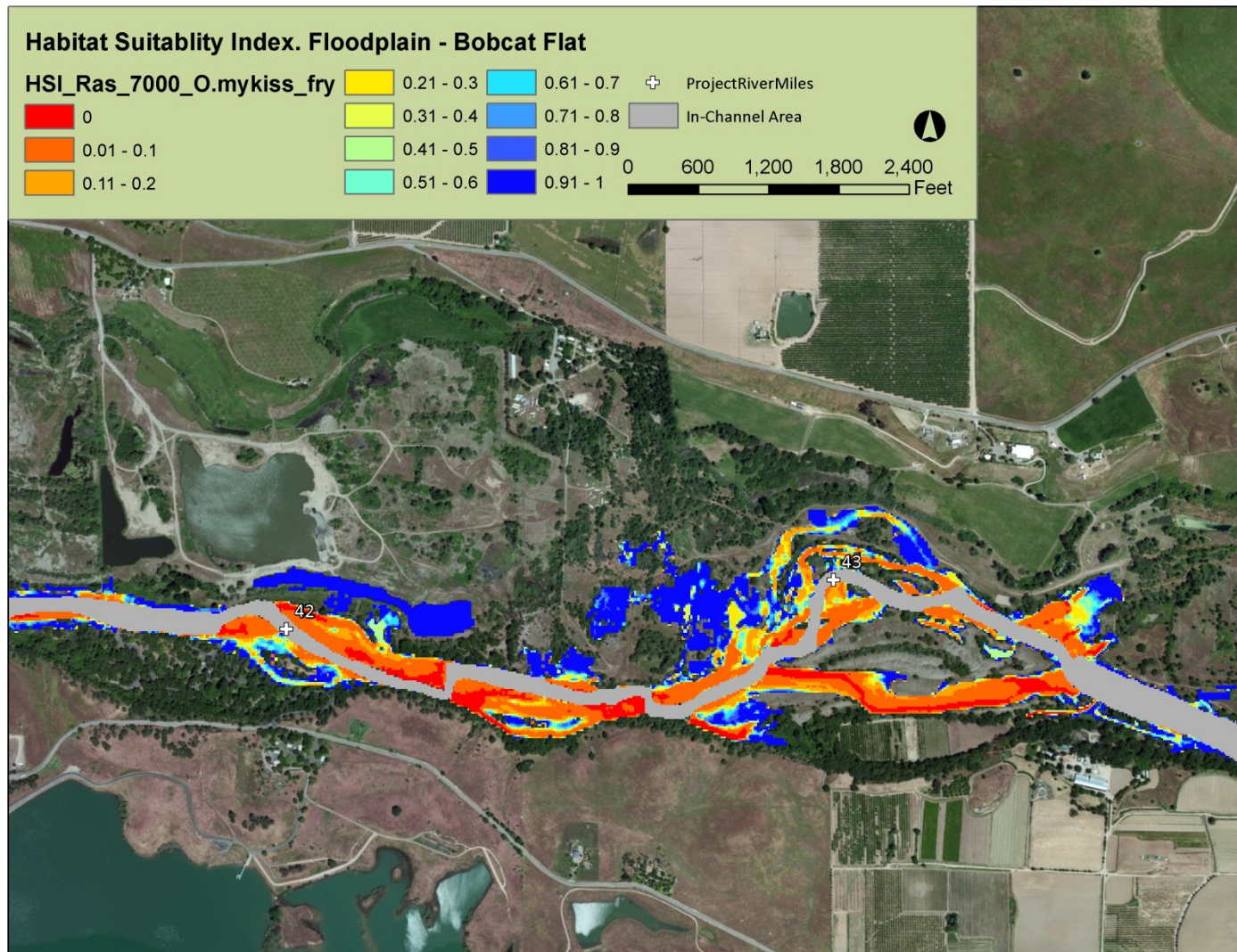


Figure 61. Example plot of joint *O. mykiss* fry habitat suitability at modeled floodplain depths and velocities for 7,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

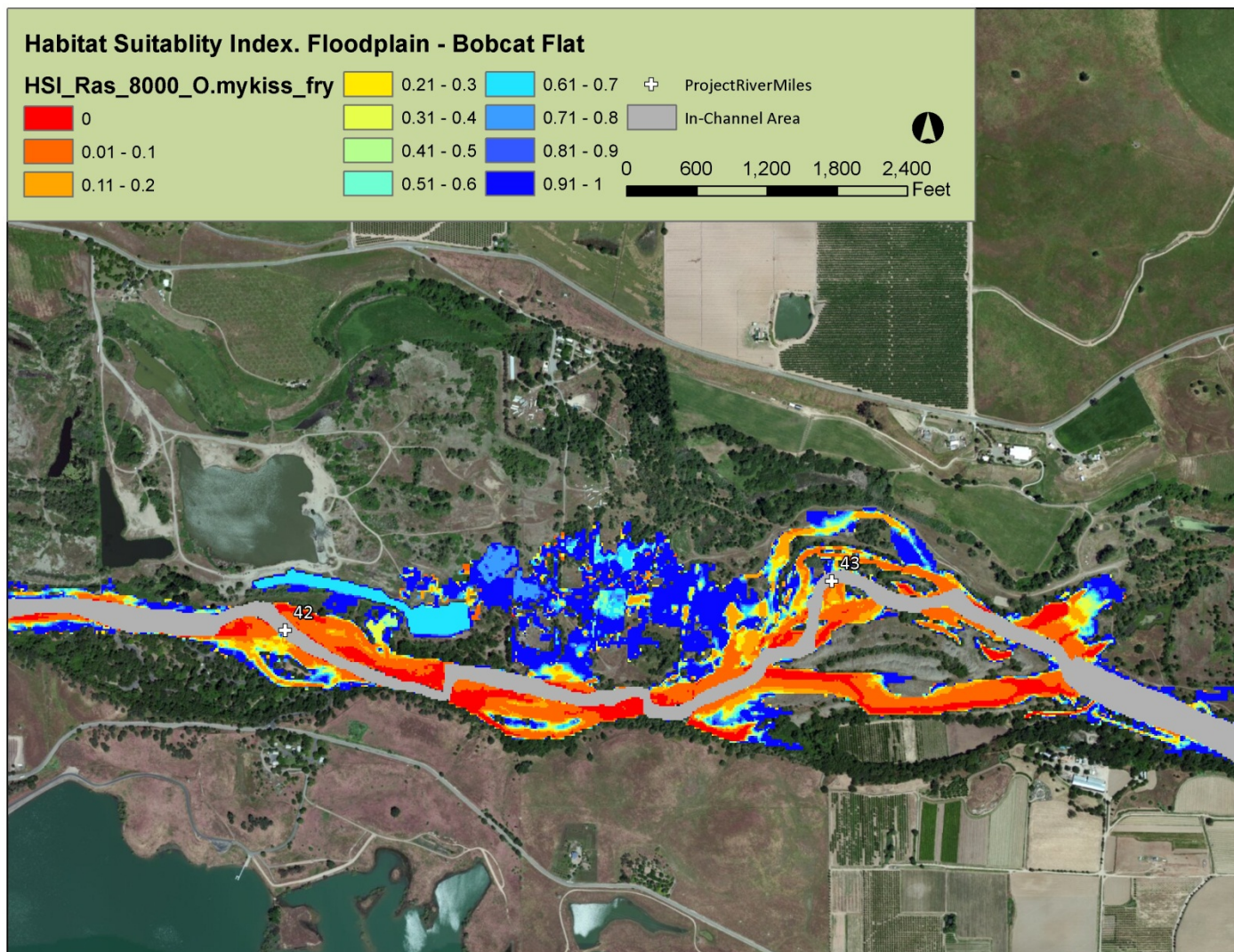


Figure 62. Example plot of joint *O. mykiss* fry habitat suitability at modeled floodplain depths and velocities for 8,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

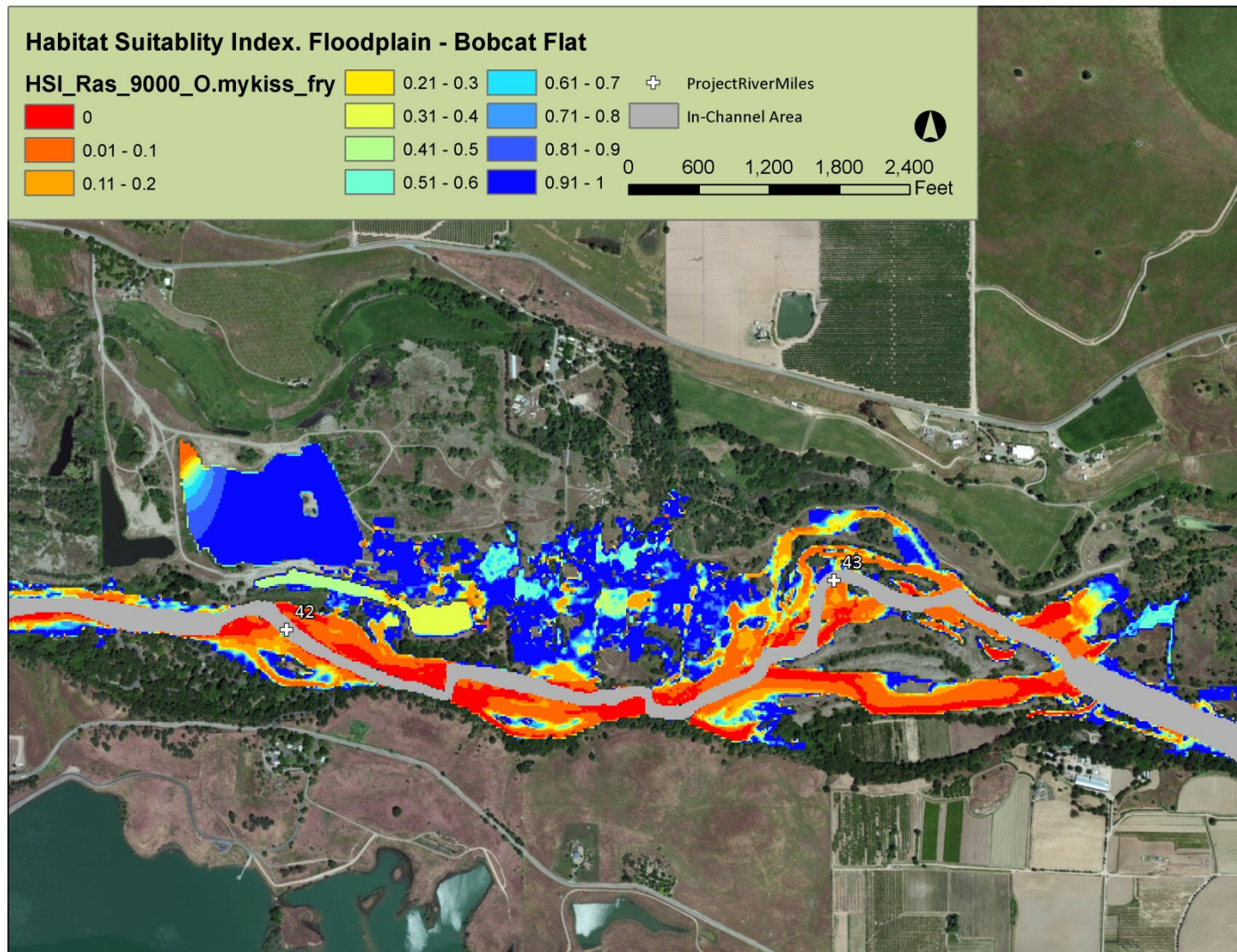


Figure 63. Example plot of joint *O. mykiss* fry habitat suitability at modeled floodplain depths and velocities for 9,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

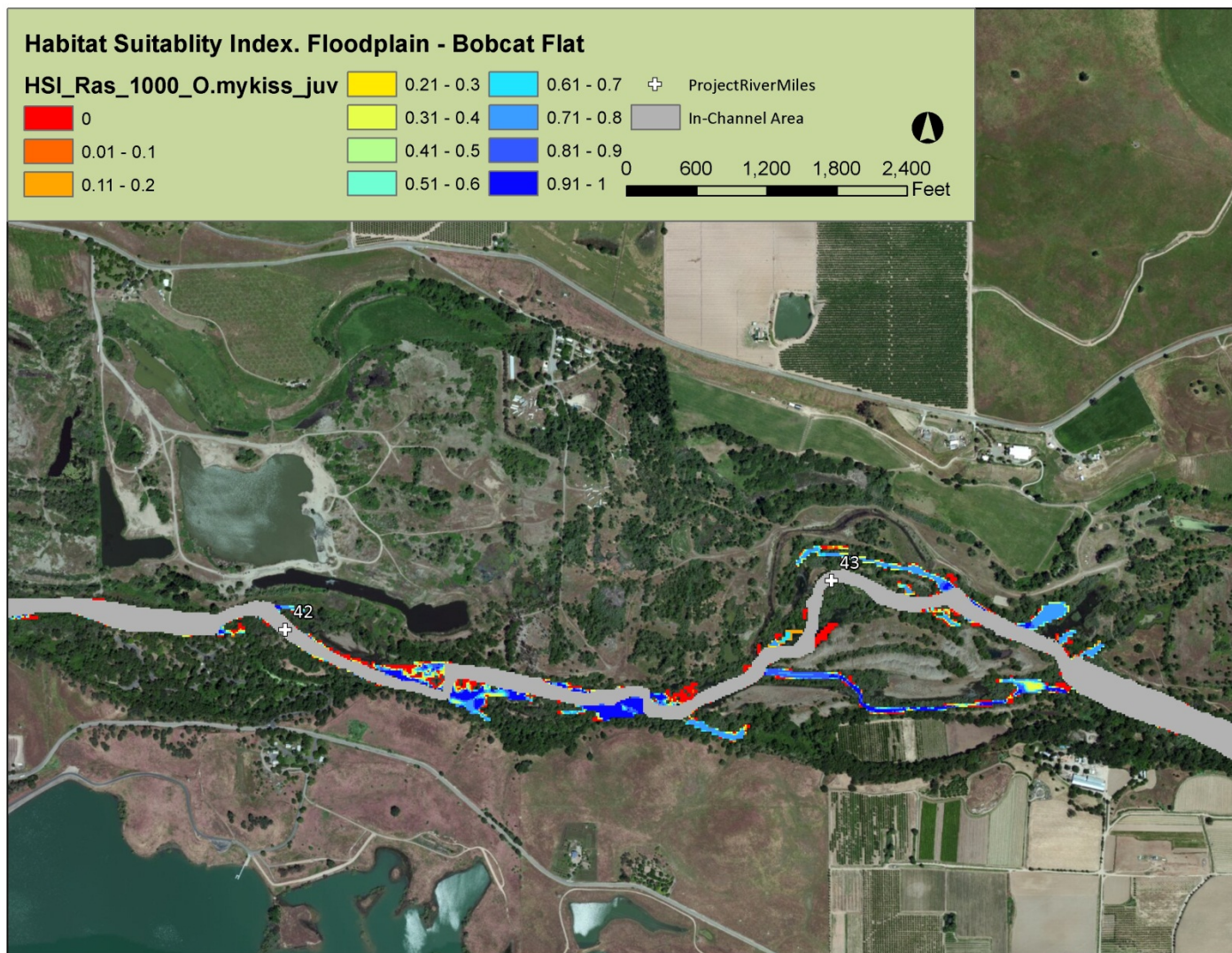


Figure 64. Example plot of joint *O. mykiss* juvenile habitat suitability at modeled floodplain depths and velocities for 1,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

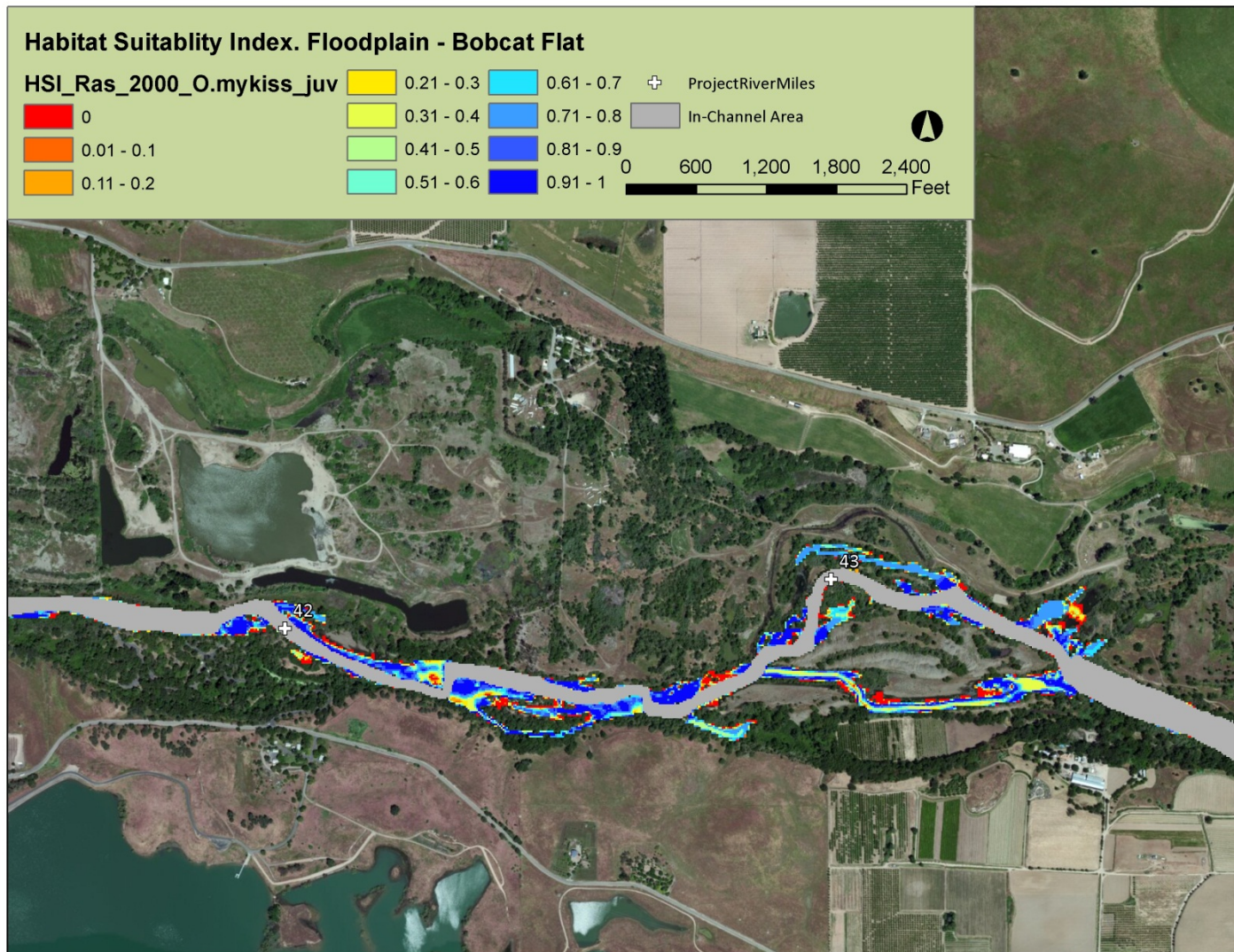


Figure 65. Example plot of joint *O. mykiss* juvenile habitat suitability at modeled floodplain depths and velocities for 2,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

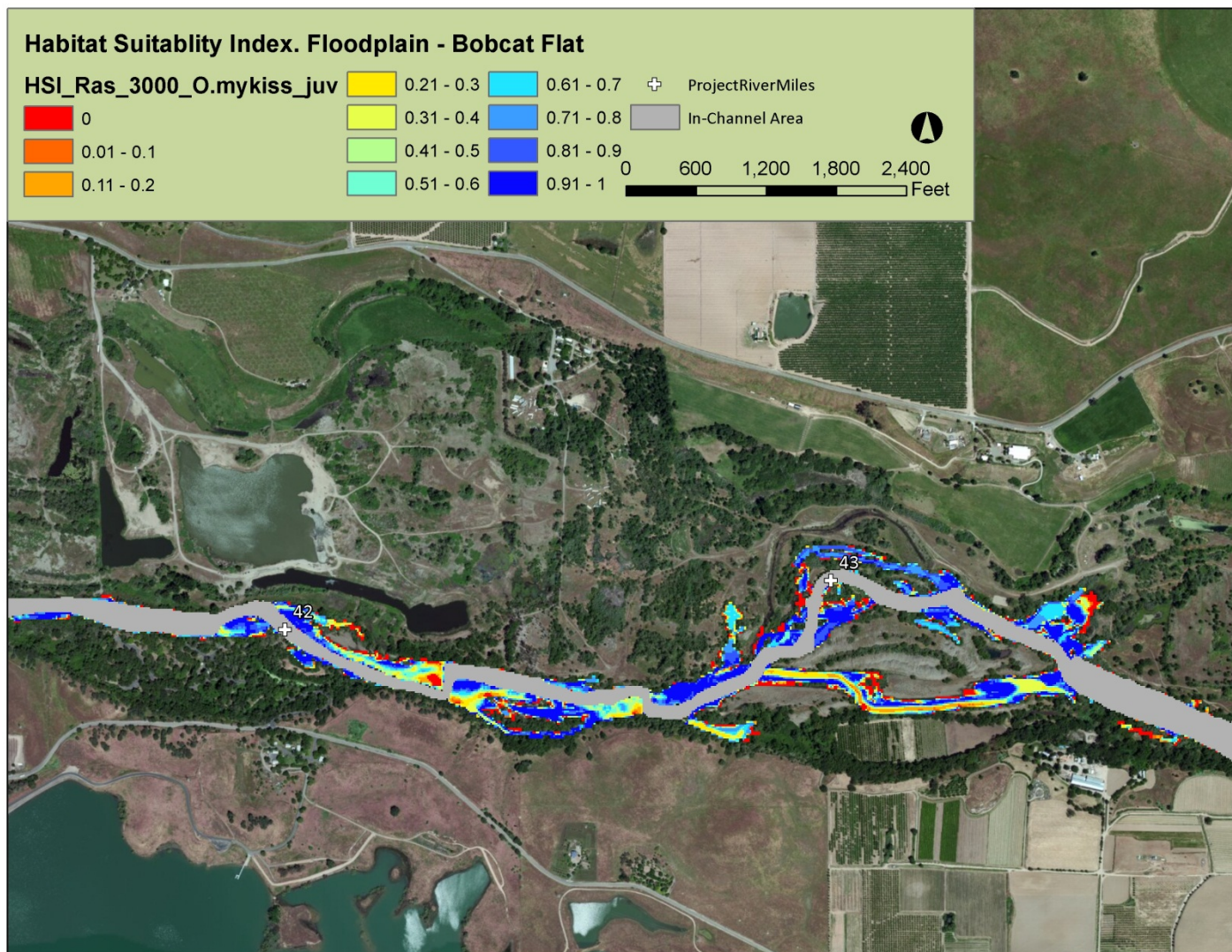


Figure 66. Example plot of joint *O. mykiss* juvenile habitat suitability at modeled floodplain depths and velocities for 3,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

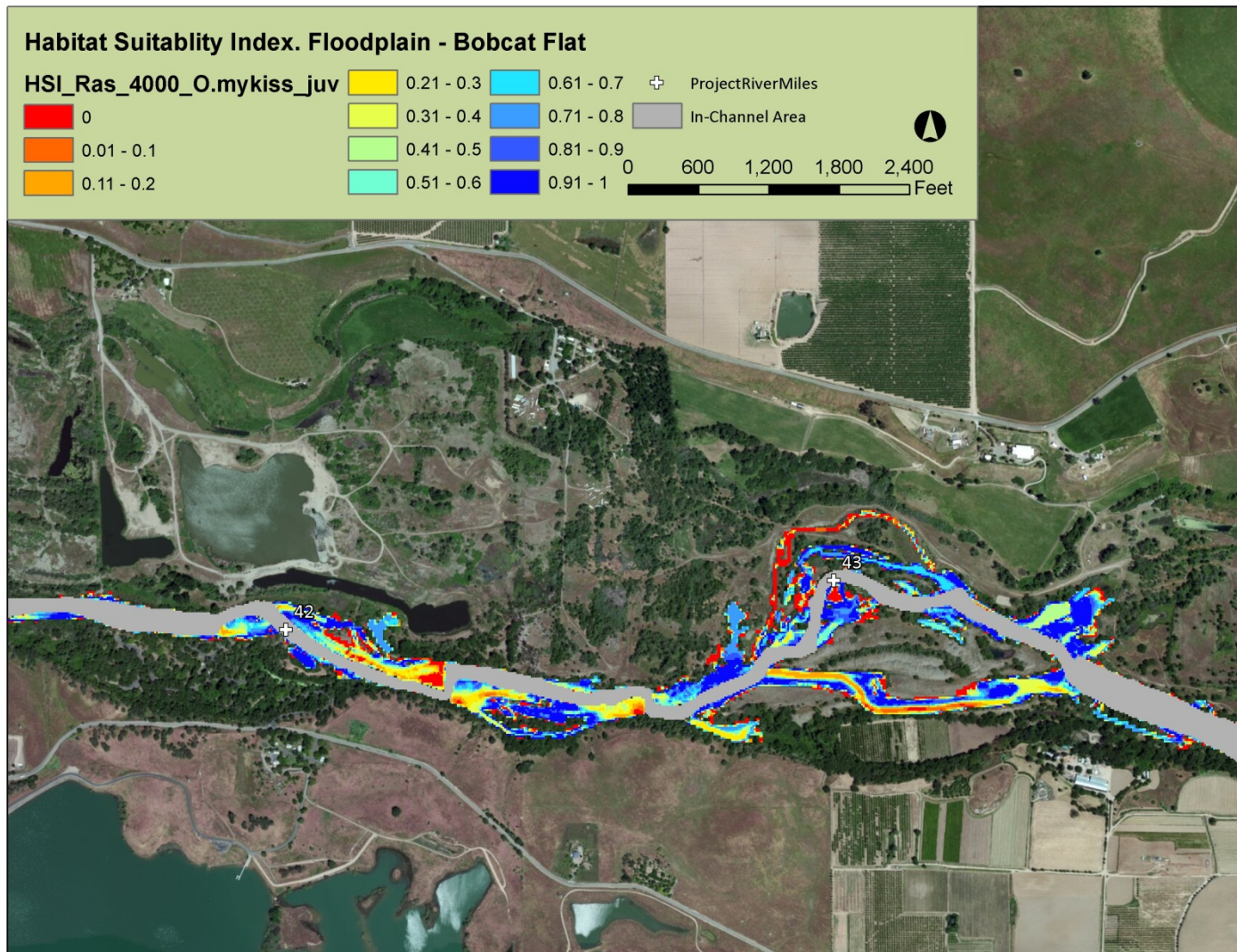


Figure 67. Example plot of joint *O. mykiss* juvenile habitat suitability at modeled floodplain depths and velocities for 4,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

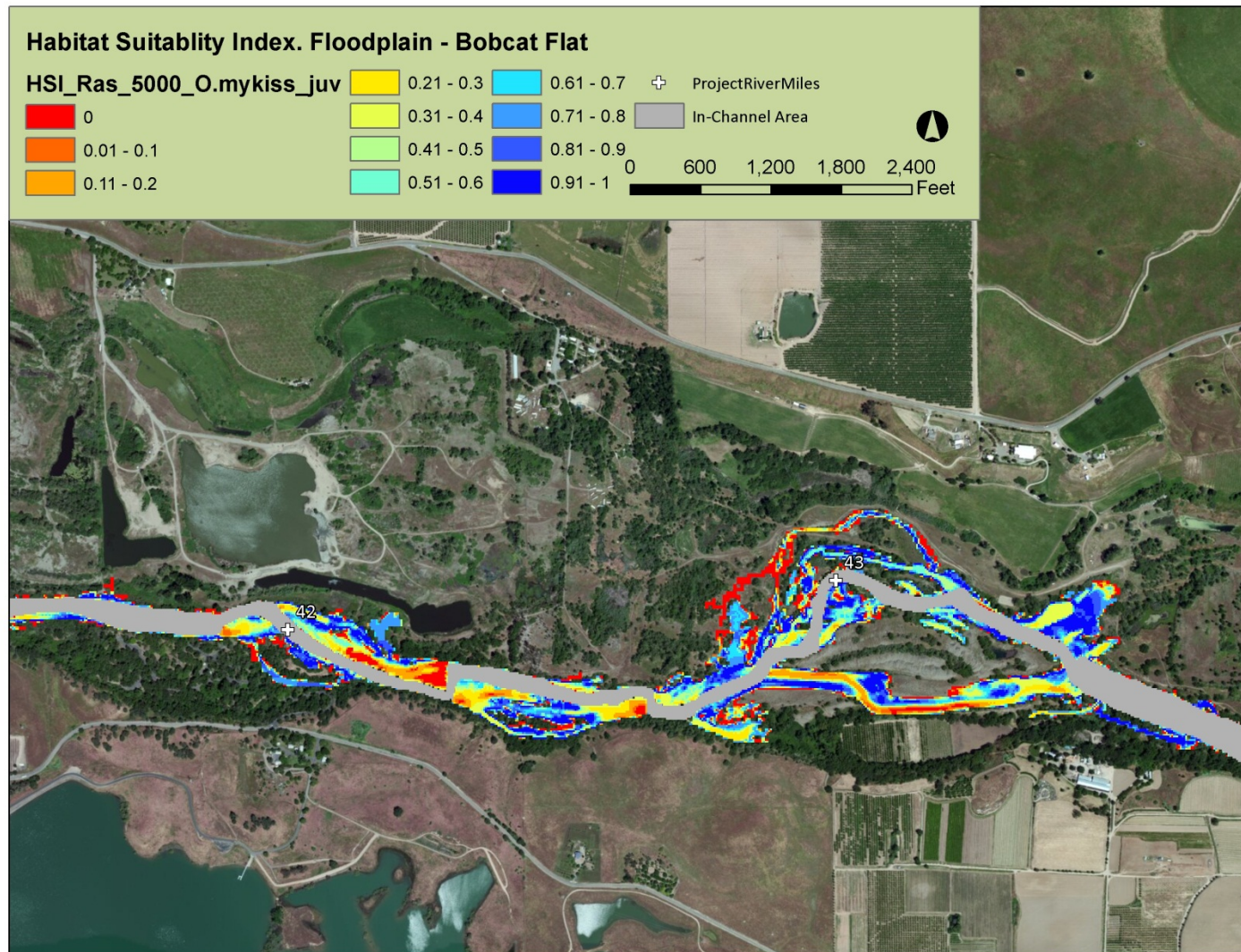


Figure 68. Example plot of joint *O. mykiss* juvenile habitat suitability at modeled floodplain depths and velocities for 5,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

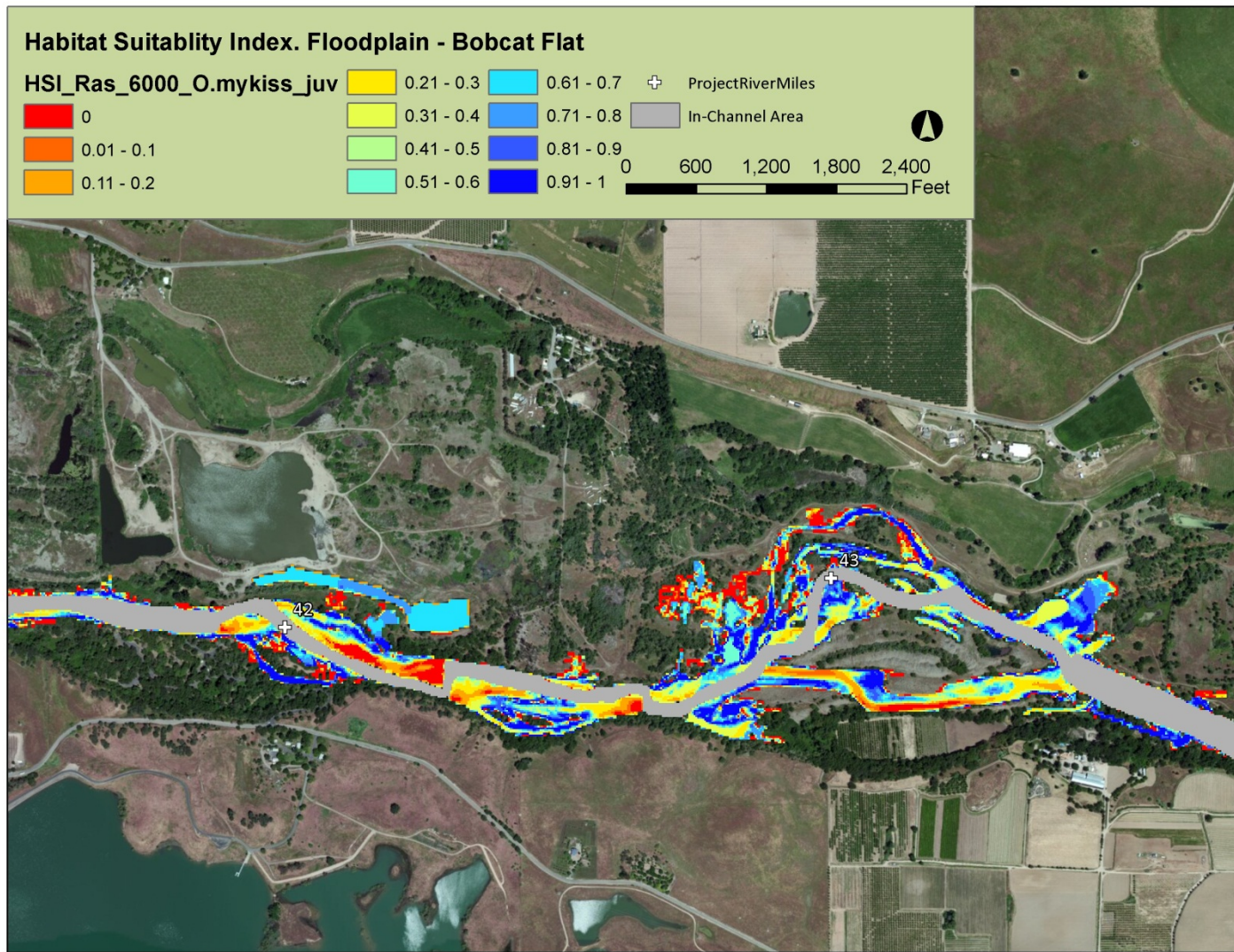


Figure 69. Example plot of joint *O. mykiss* juvenile habitat suitability at modeled floodplain depths and velocities for 6,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

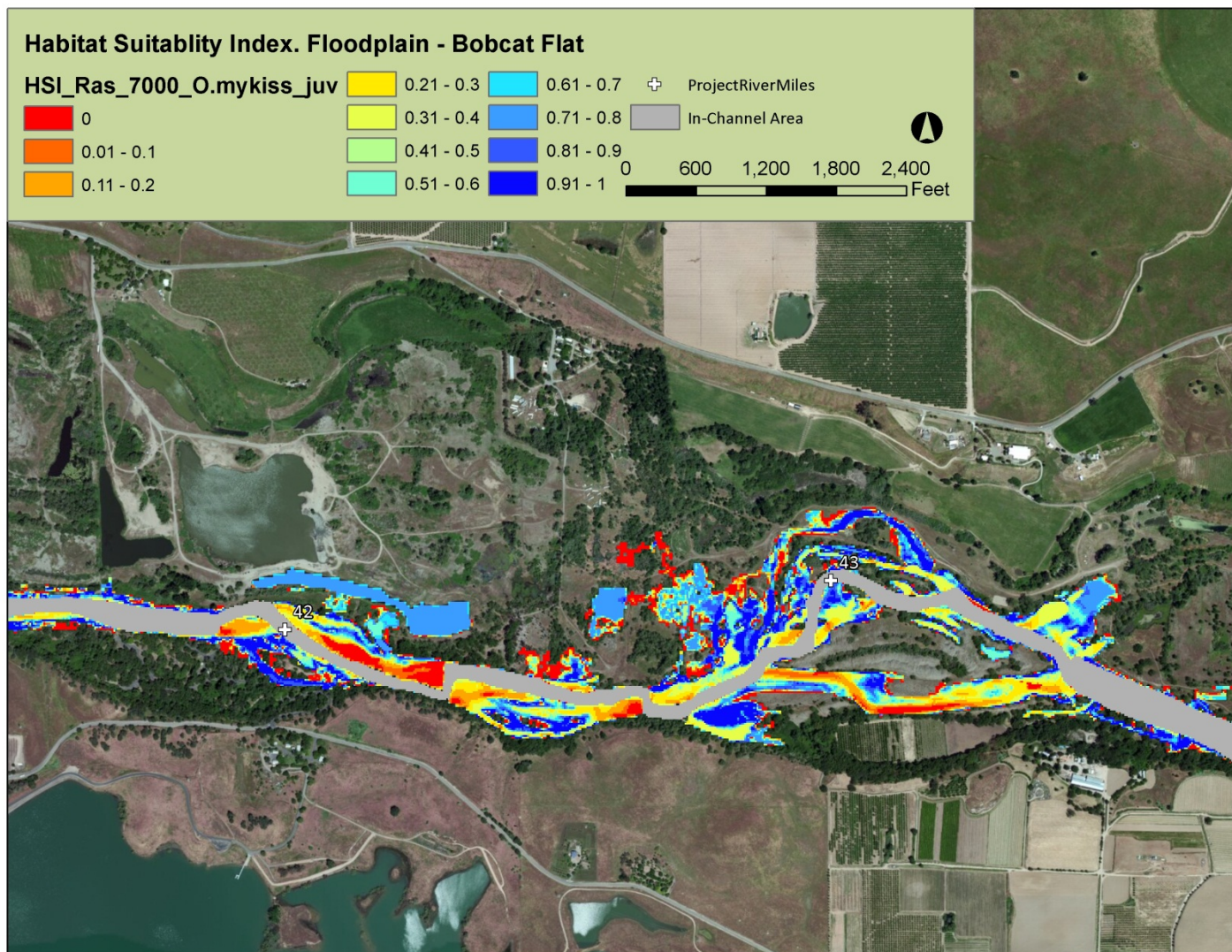


Figure 70. Example plot of joint *O. mykiss* juvenile habitat suitability at modeled floodplain depths and velocities for 7,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

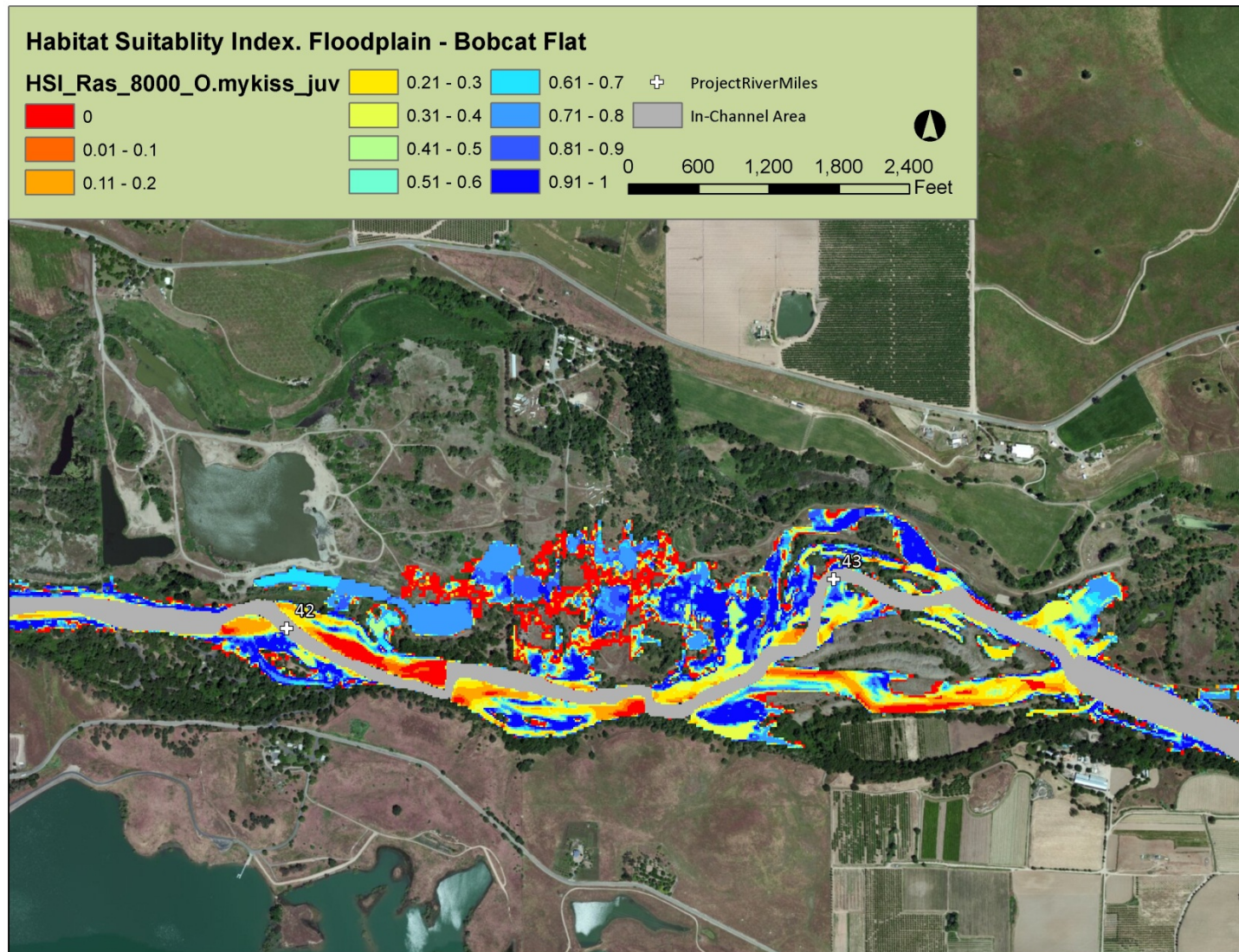


Figure 71. Example plot of joint *O. mykiss* juvenile habitat suitability at modeled floodplain depths and velocities for 8,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.

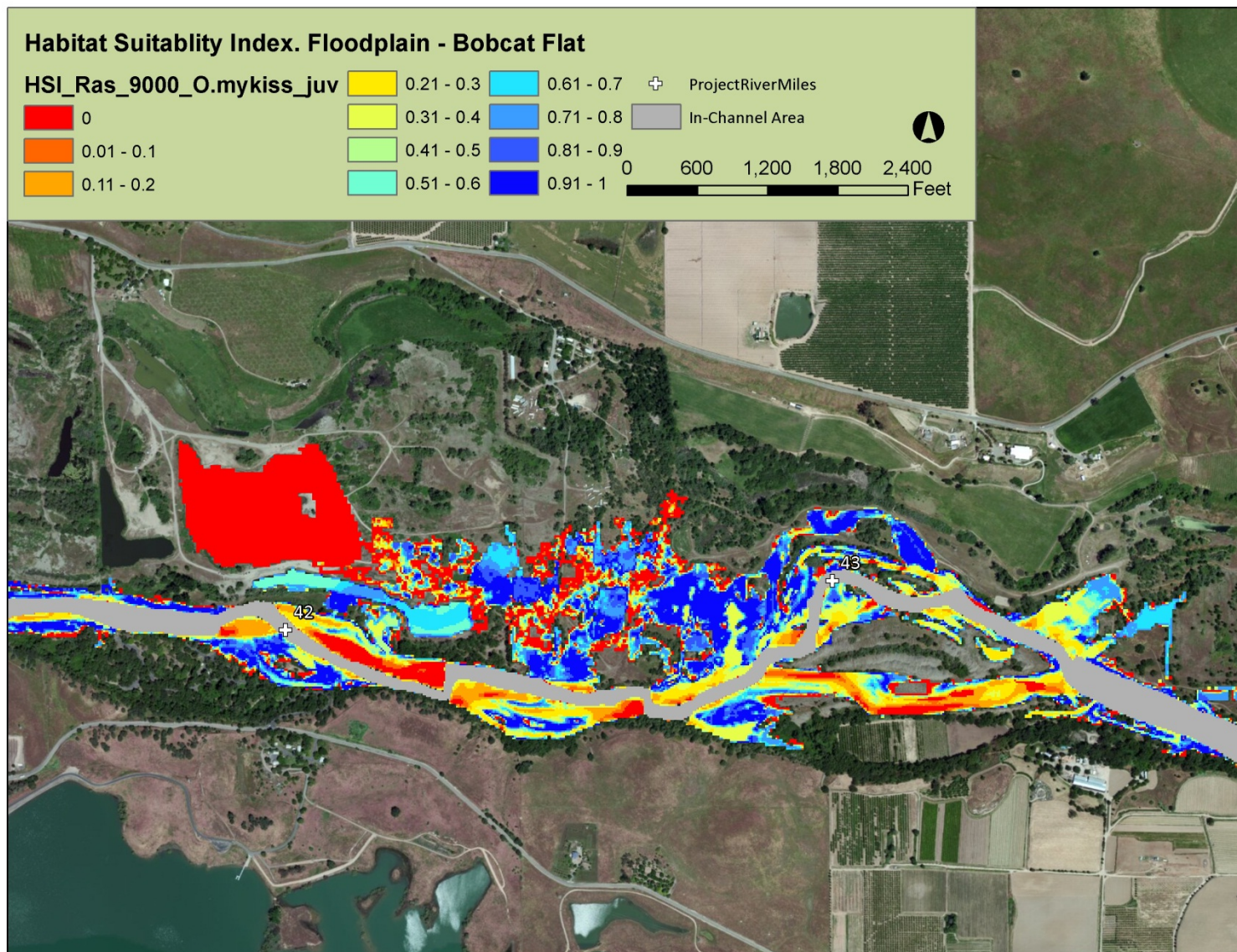


Figure 72. Example plot of joint *O. mykiss* juvenile habitat suitability at modeled floodplain depths and velocities for 9,000 cfs at Bobcat Flat (RM 43) along the lower Tuolumne River.