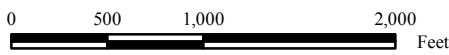


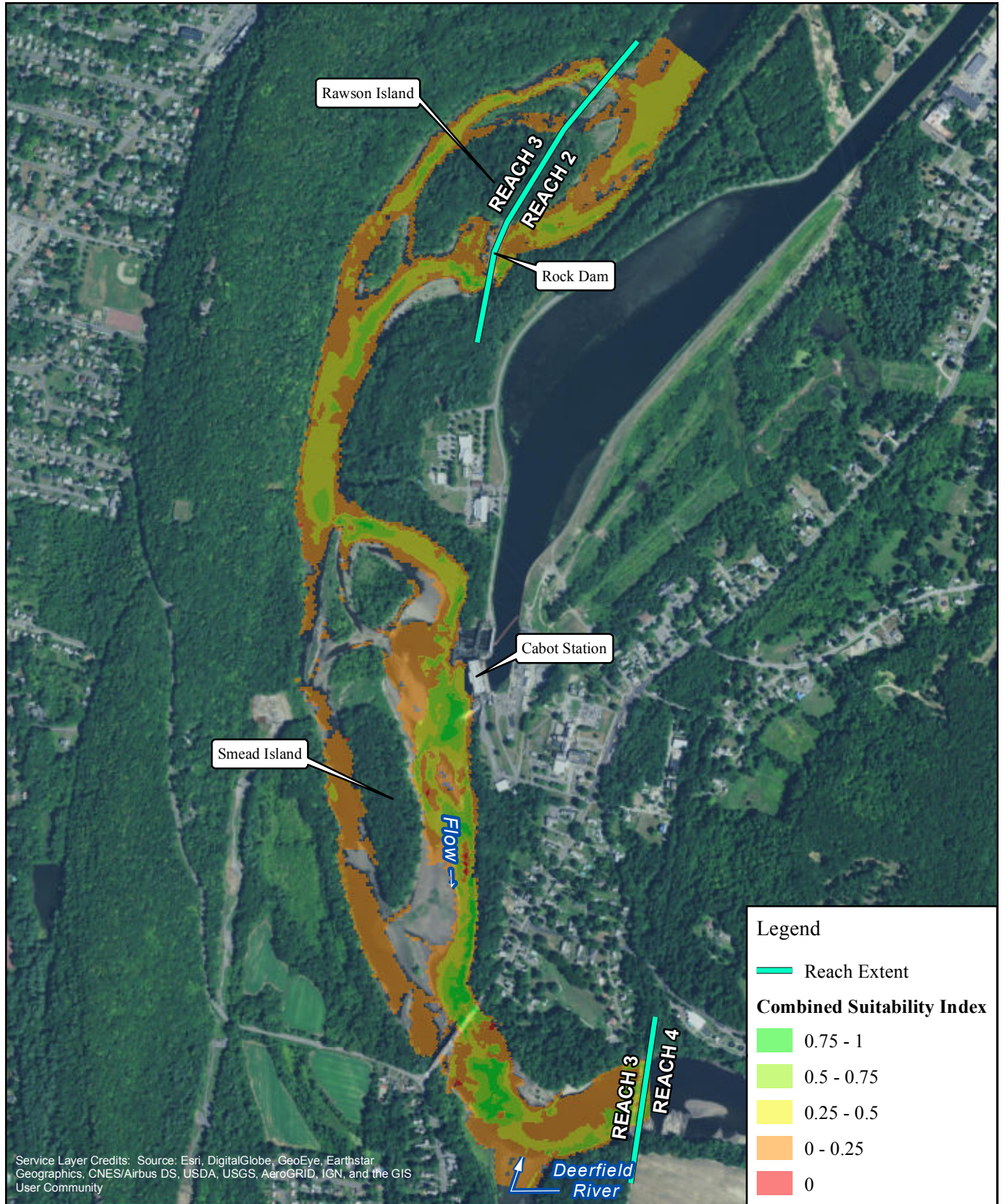
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 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
RELICENSING STUDY 3.3.1

American Shad-Spawning
 Cabot Flow: 2500 cfs
 Bypass Flow: 200 cfs
 Deerfield Flow: 200 cfs



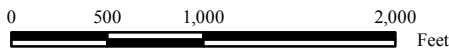
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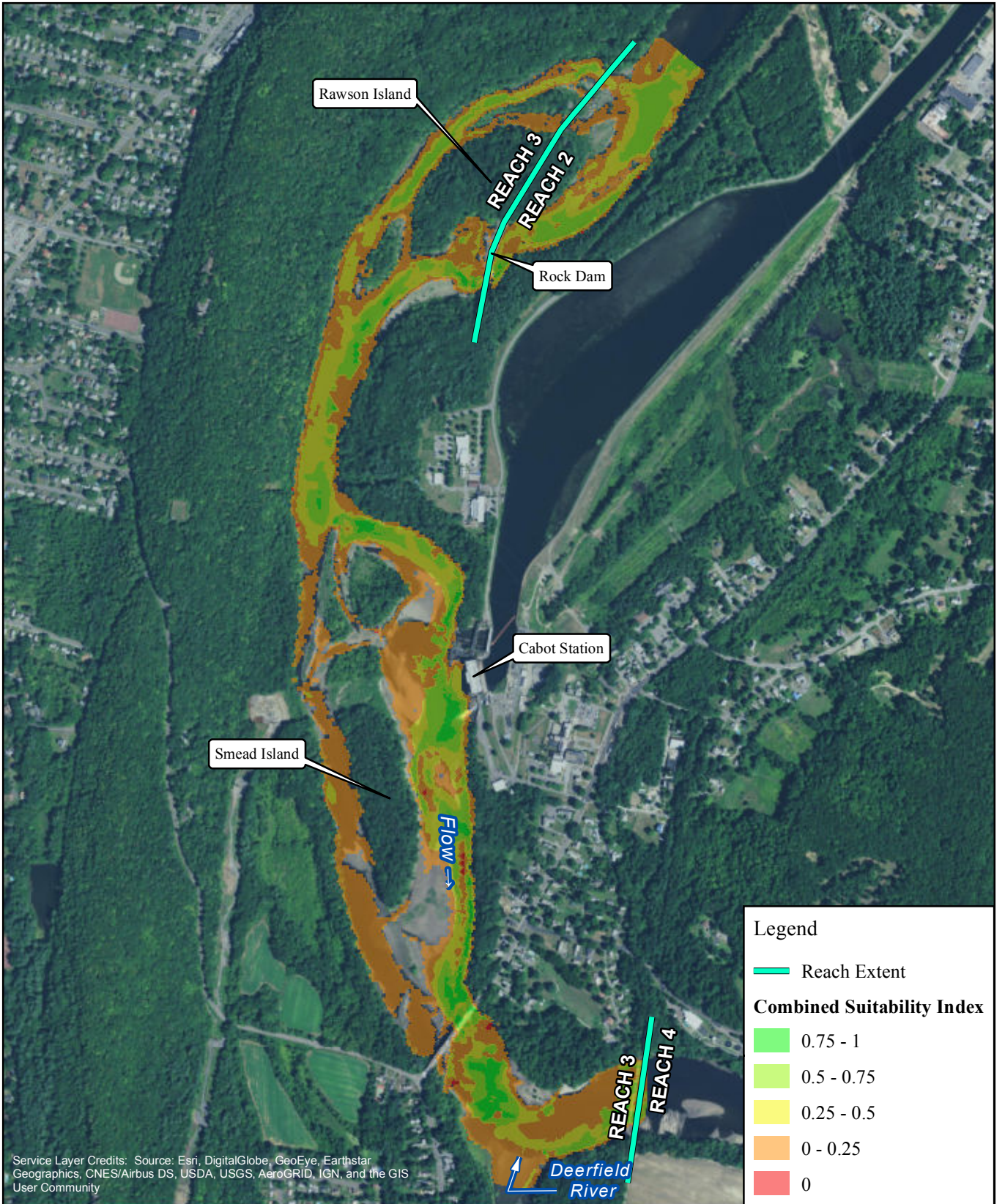


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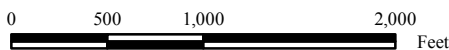


American Shad-Spawning
 Cabot Flow: 2500 cfs
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 Deerfield Flow: 200 cfs

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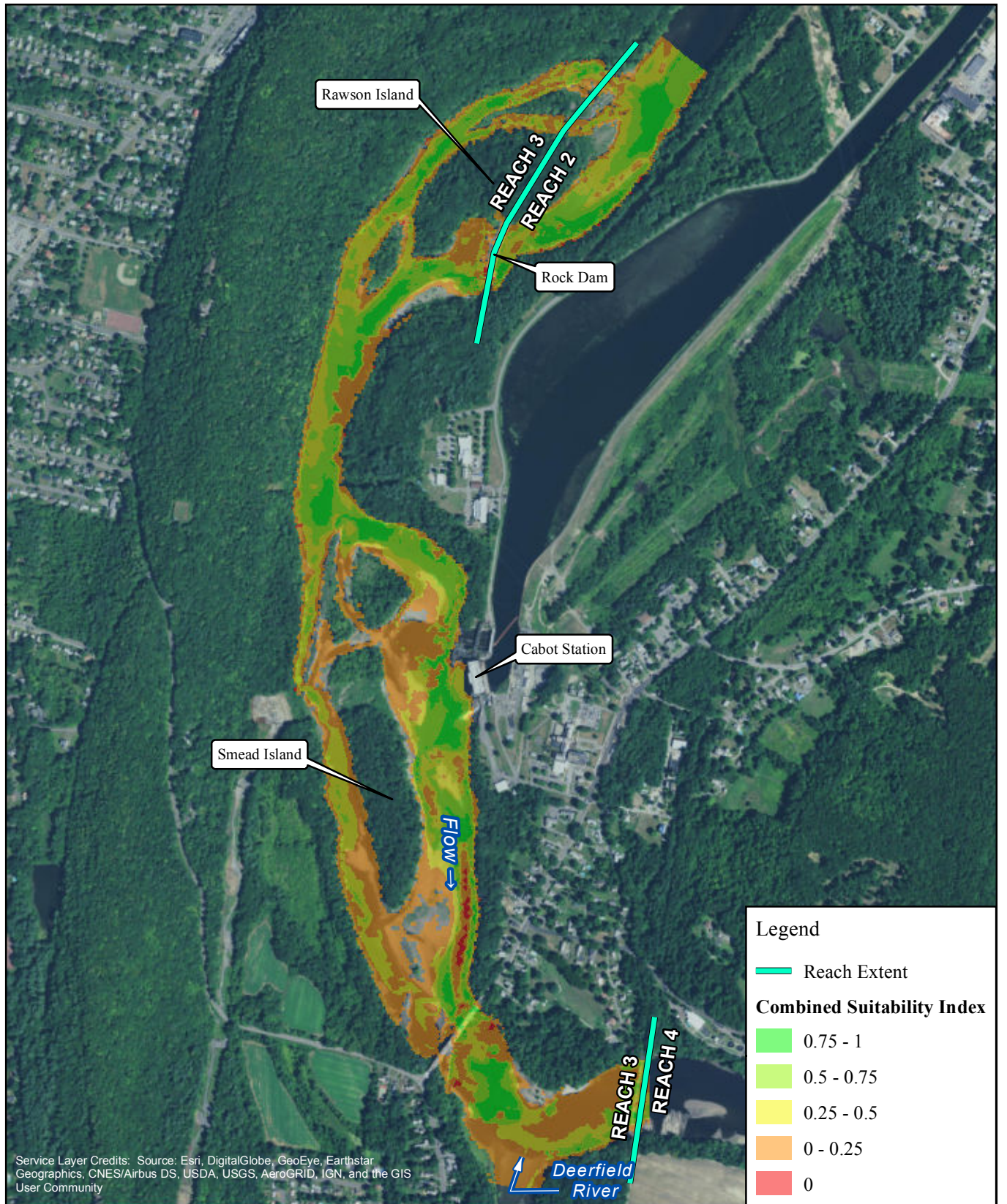


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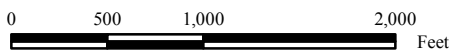


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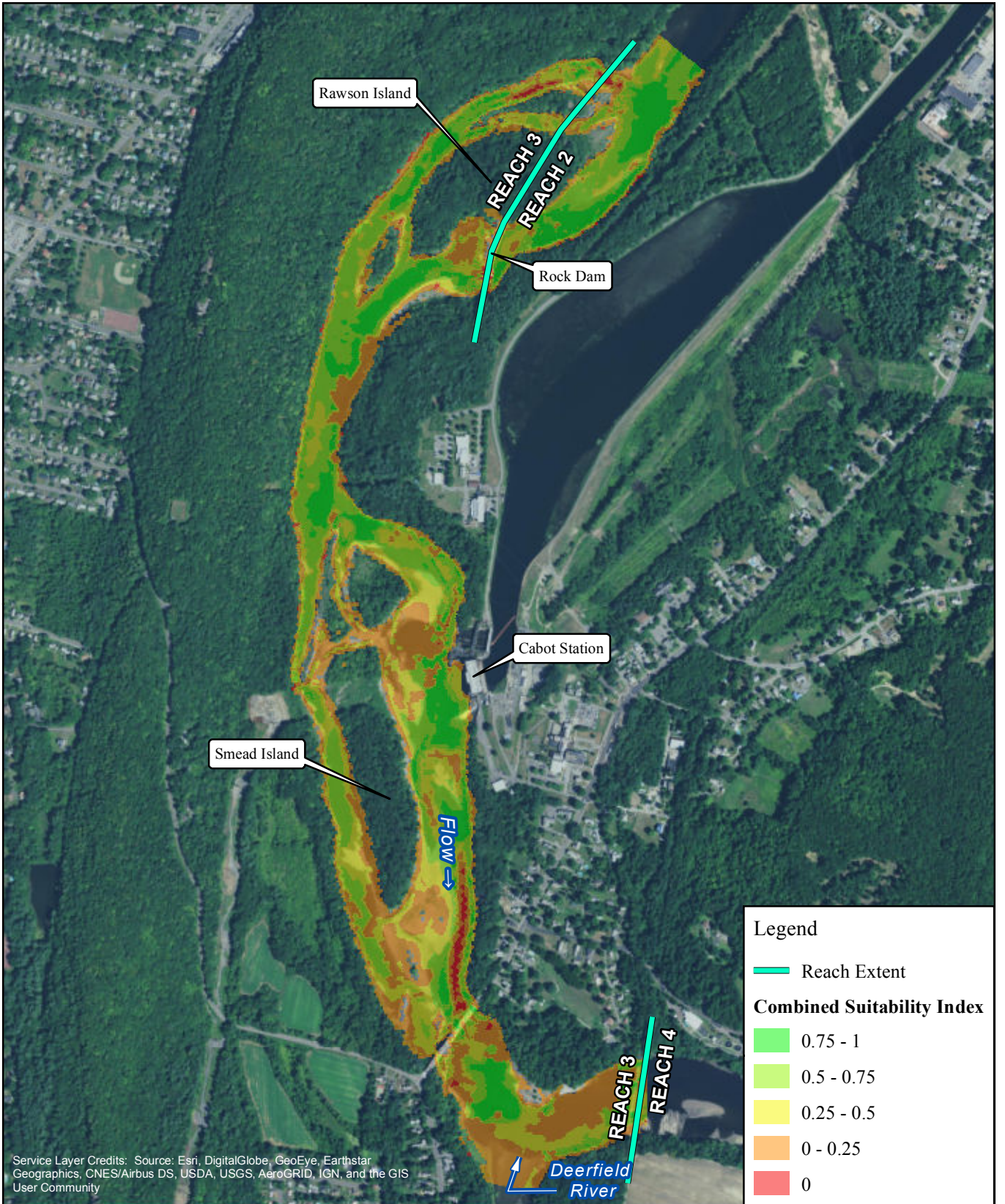


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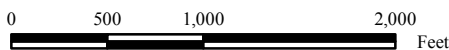


American Shad-Spawning
 Cabot Flow: 2500 cfs
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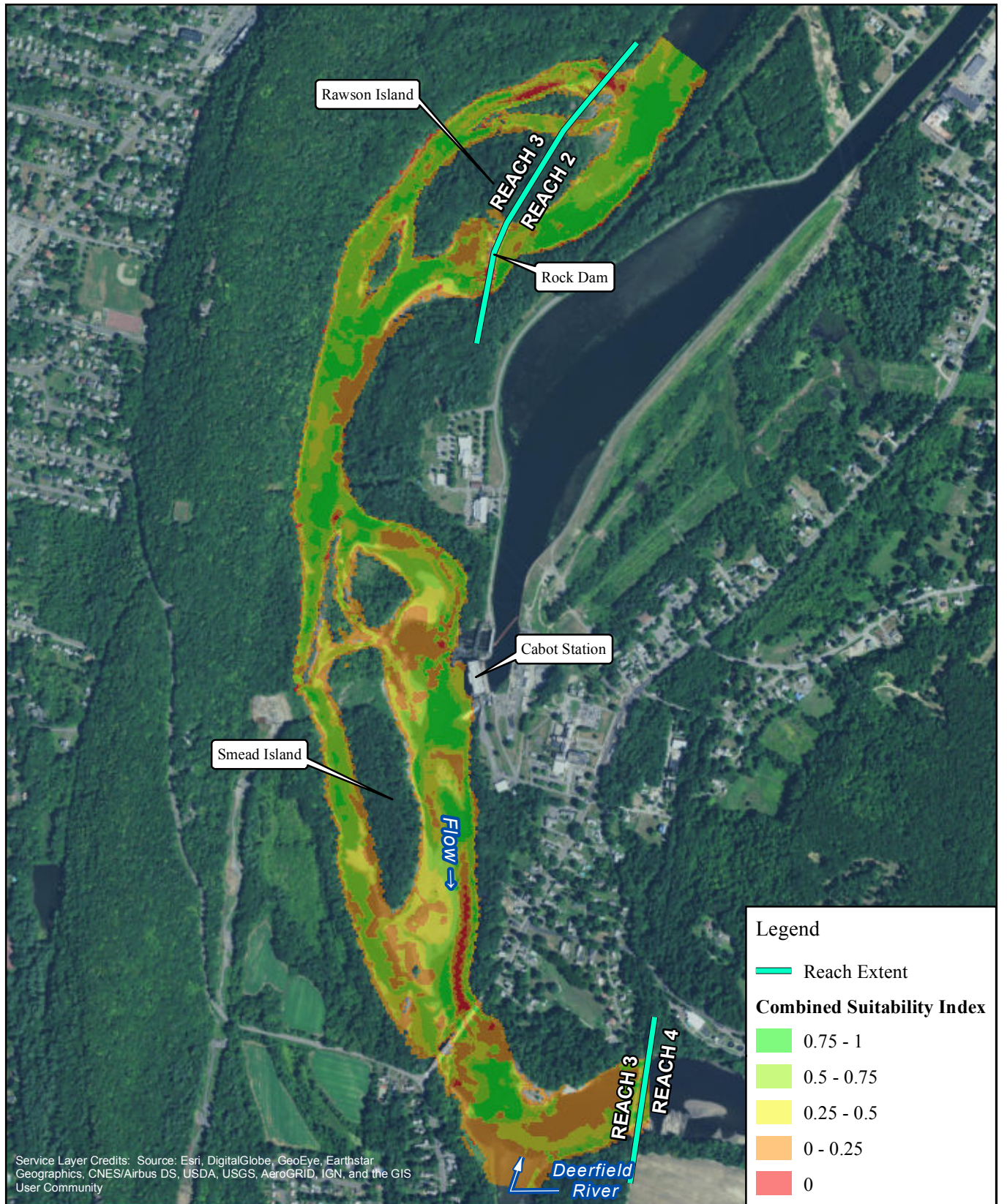


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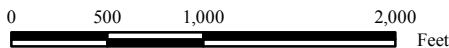
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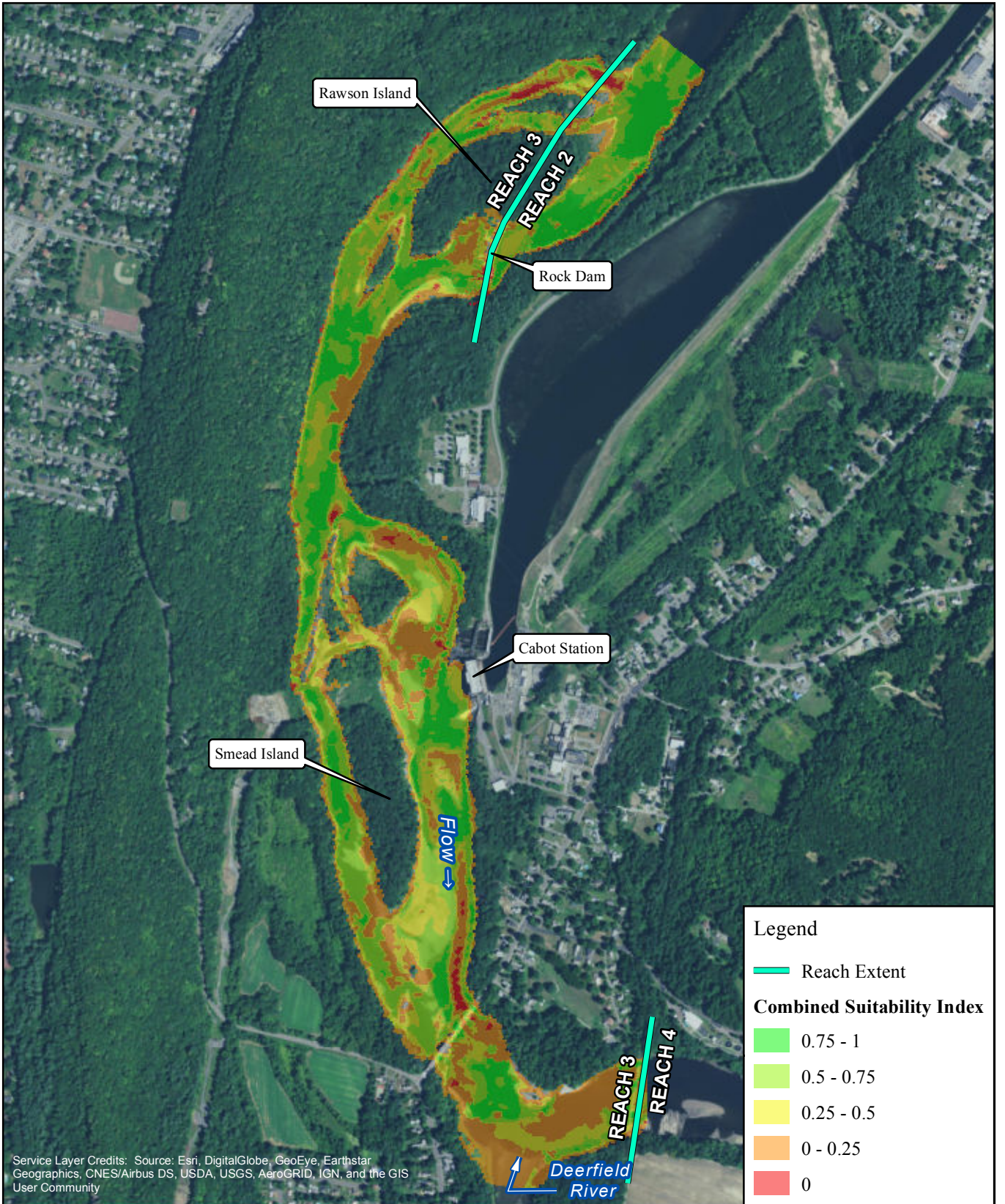
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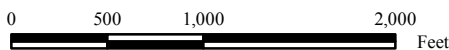


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American Shad-Spawning
 Cabot Flow: 2500 cfs
 Bypass Flow: 6500 cfs
 Deerfield Flow: 200 cfs

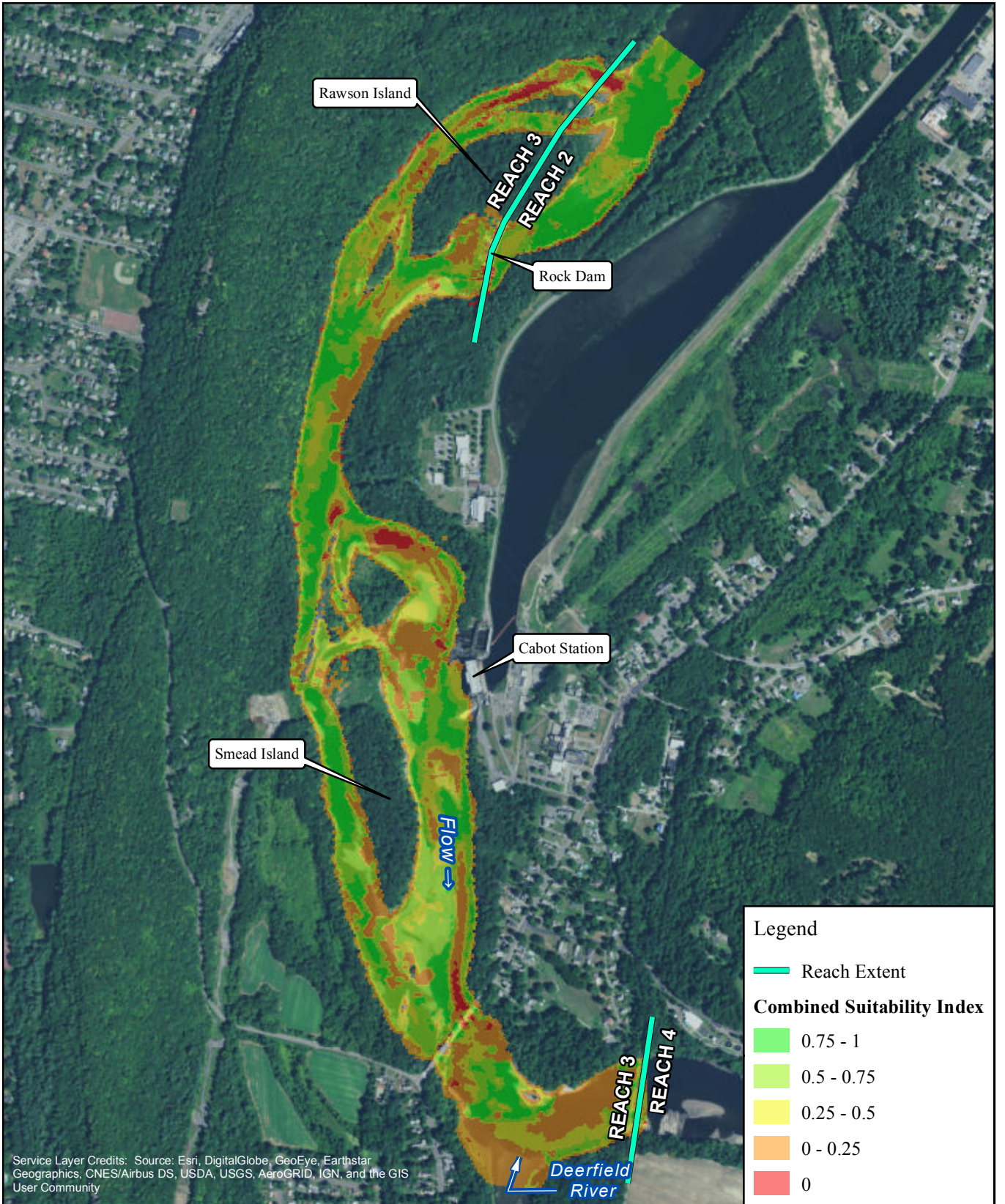


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 Turners Falls Hydroelectric Project No. 1889
RELICENSING STUDY 3.3.1



American Shad-Spawning
 Cabot Flow: 2500 cfs
 Bypass Flow: 8000 cfs
 Deerfield Flow: 200 cfs

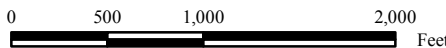
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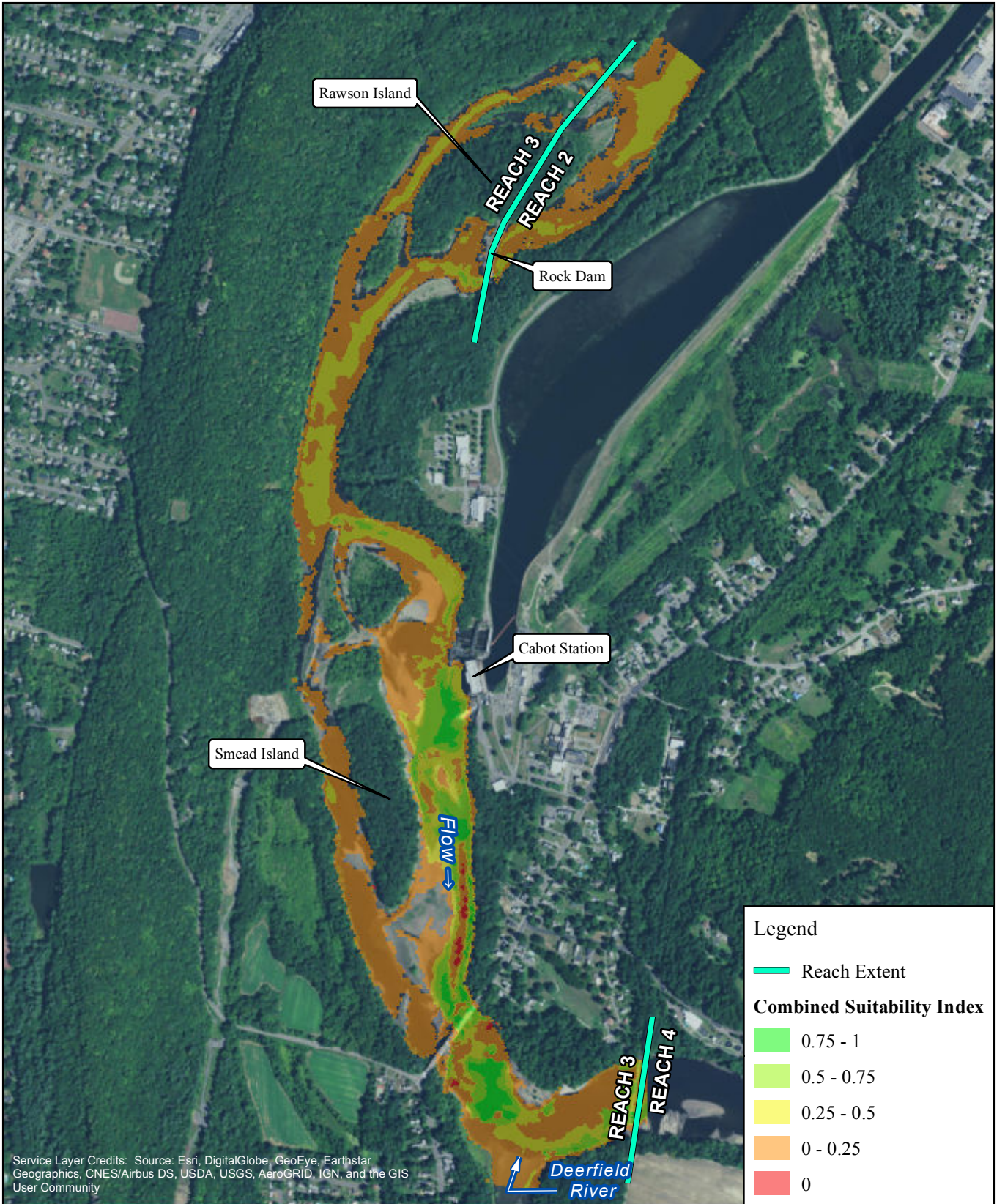


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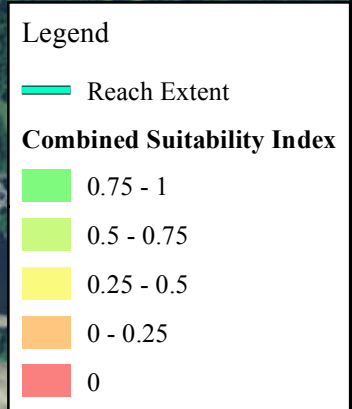


American Shad-Spawning
 Cabot Flow: 2500 cfs
 Bypass Flow: 10000 cfs
 Deerfield Flow: 200 cfs

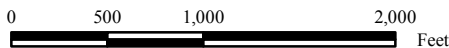
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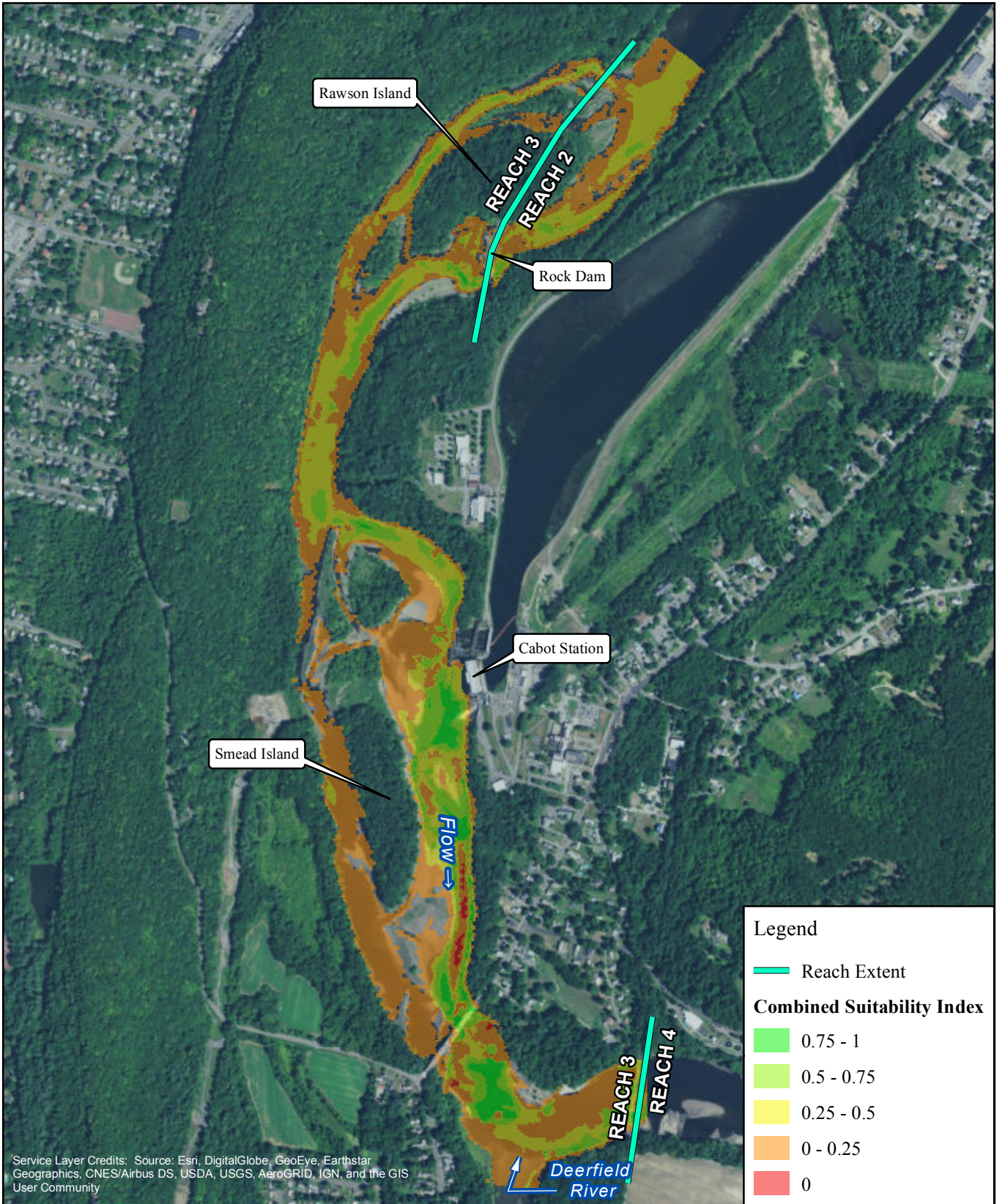


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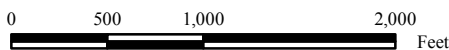


American Shad-Spawning
 Cabot Flow: 4500 cfs
 Bypass Flow: 200 cfs
 Deerfield Flow: 200 cfs

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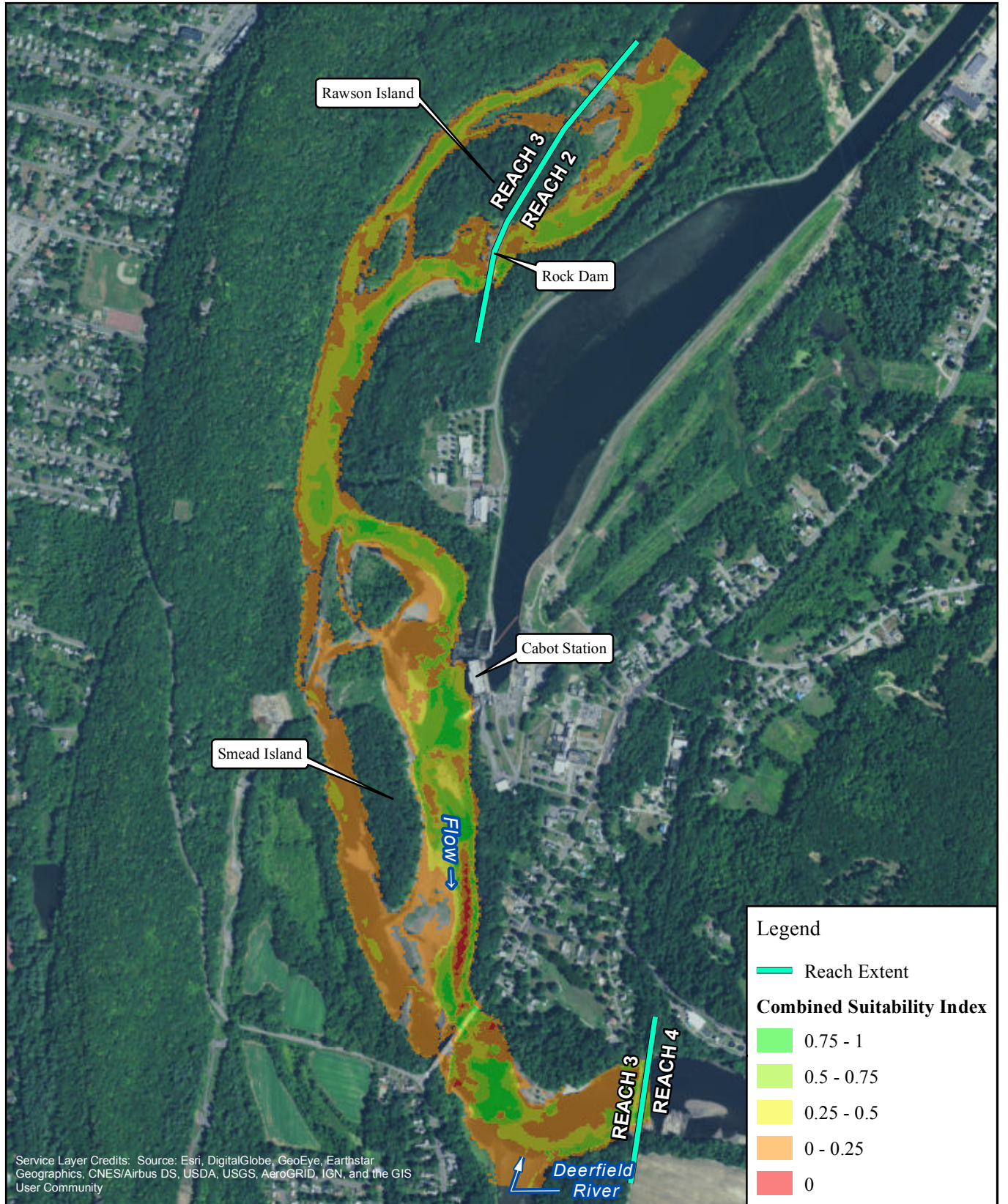


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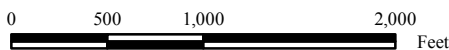


American Shad-Spawning
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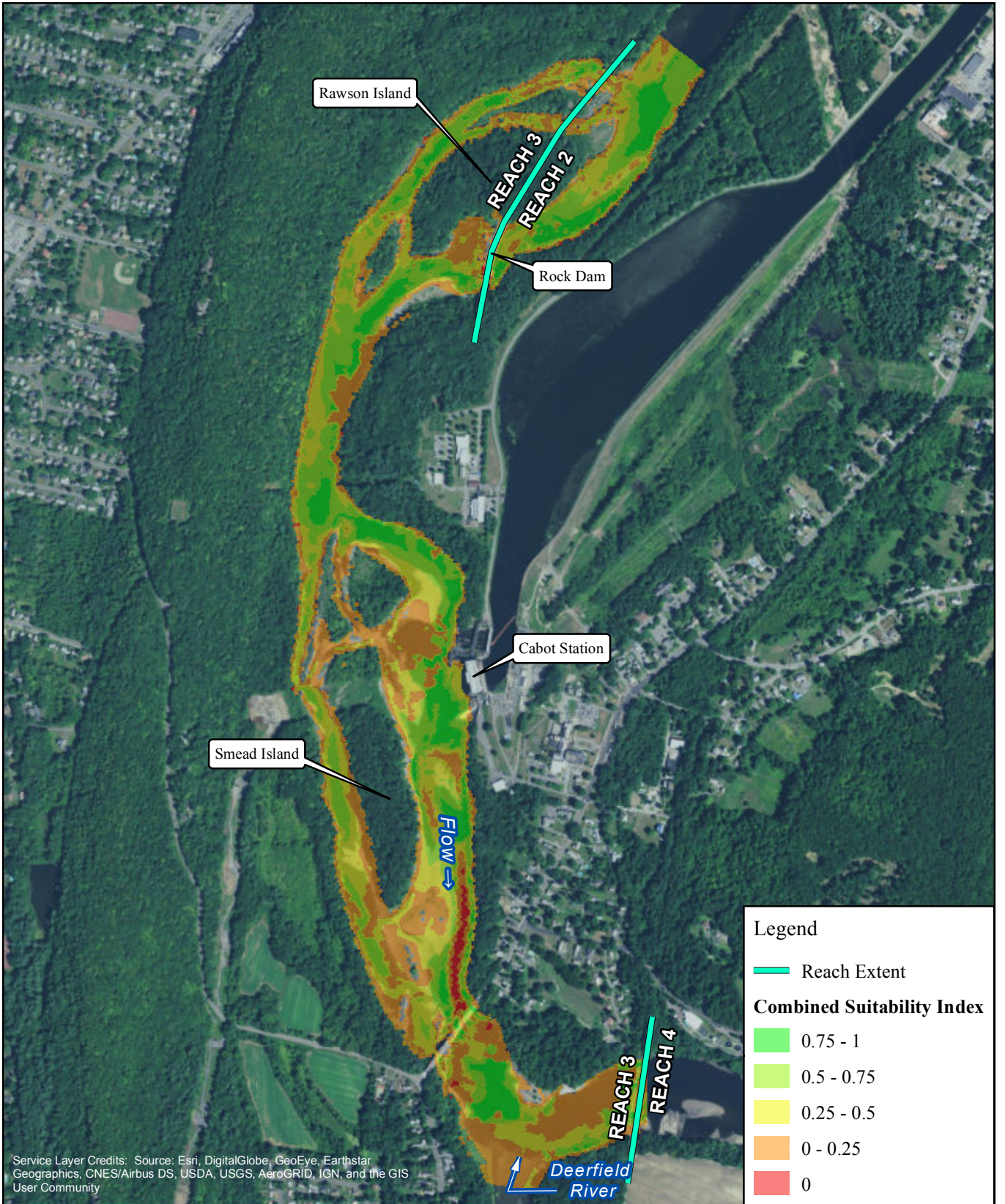


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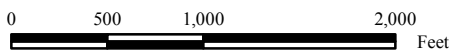


American Shad-Spawning
 Cabot Flow: 4500 cfs
 Bypass Flow: 1000 cfs
 Deerfield Flow: 200 cfs

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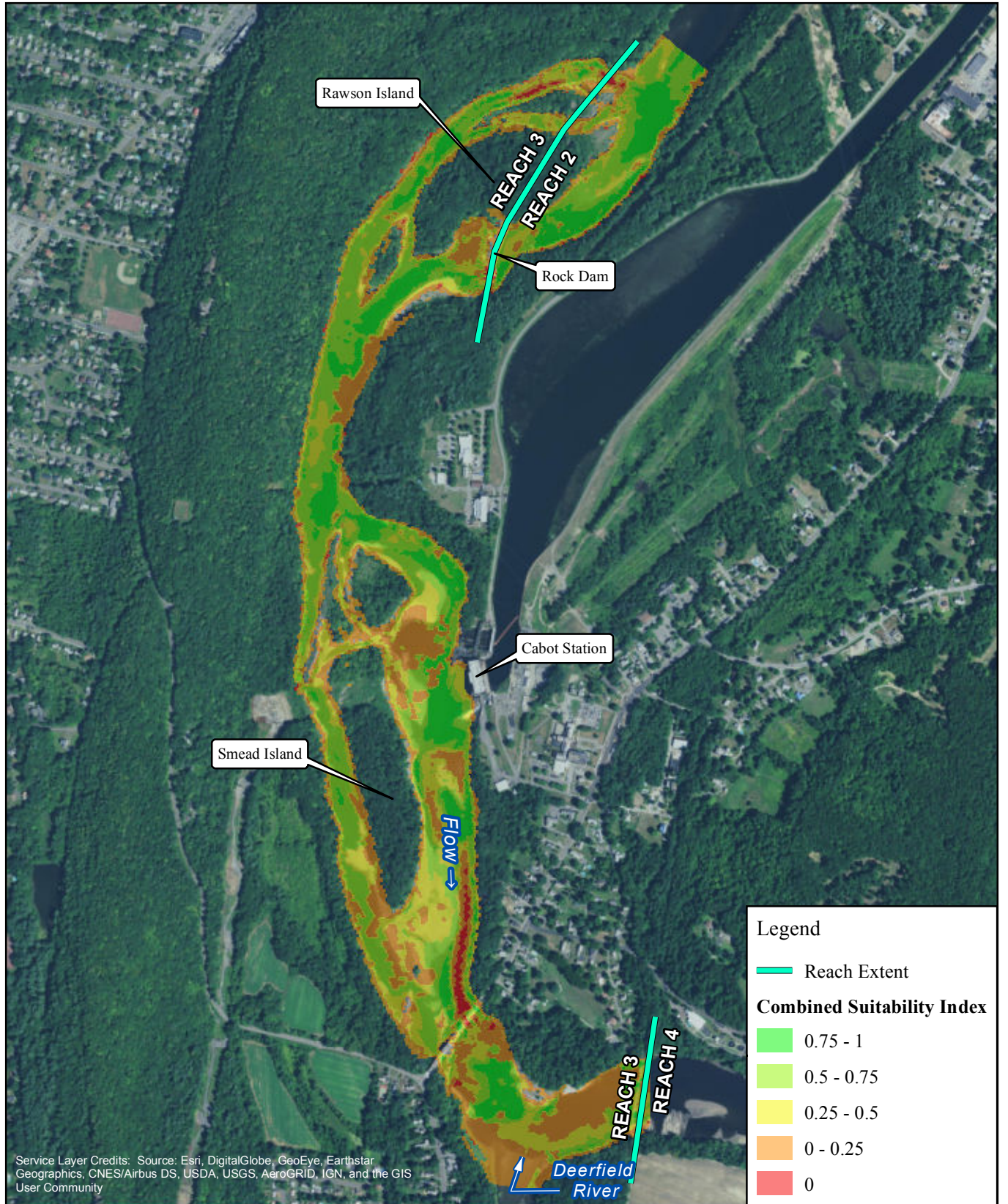


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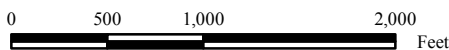


American Shad-Spawning
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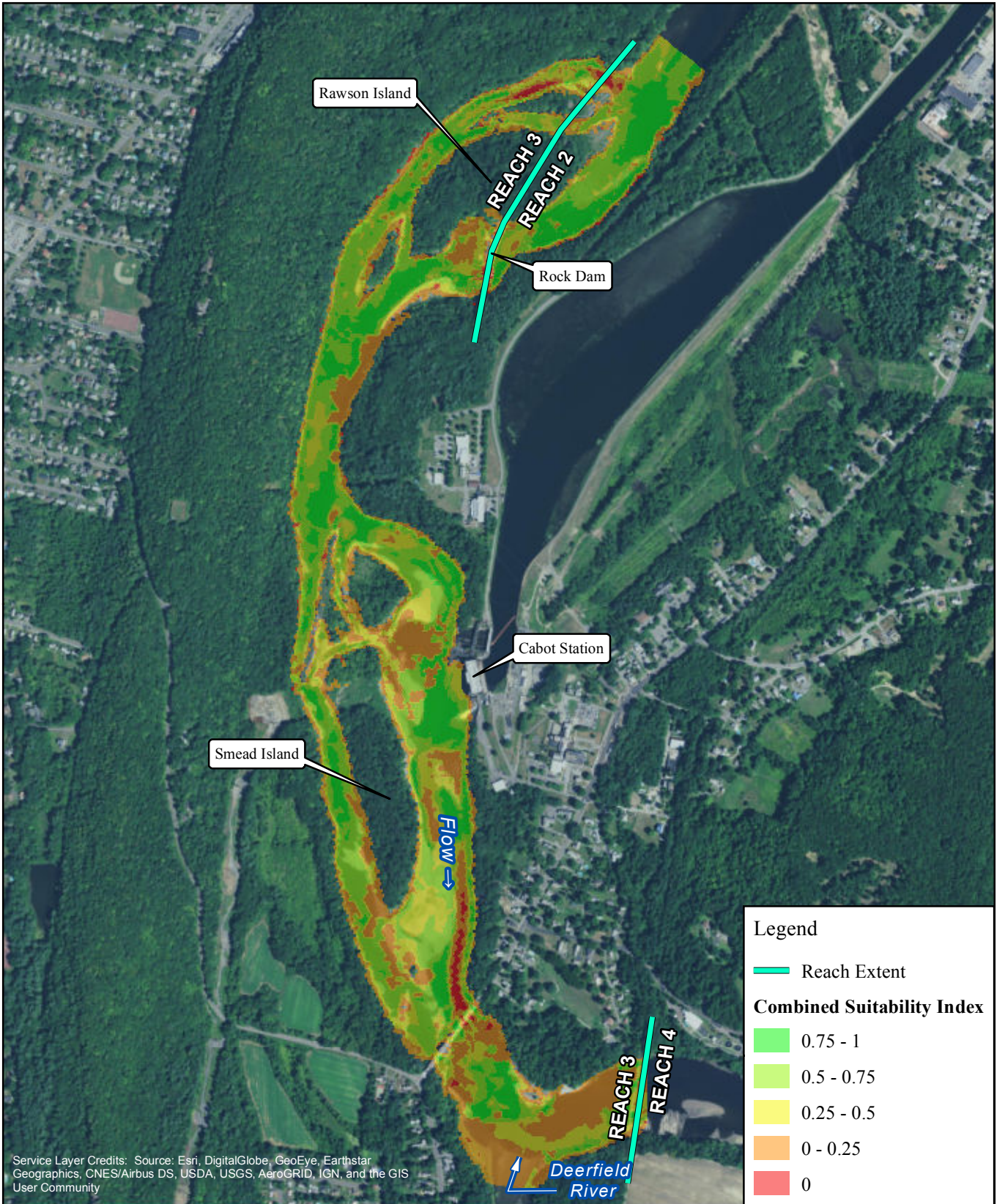


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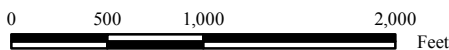


American Shad-Spawning
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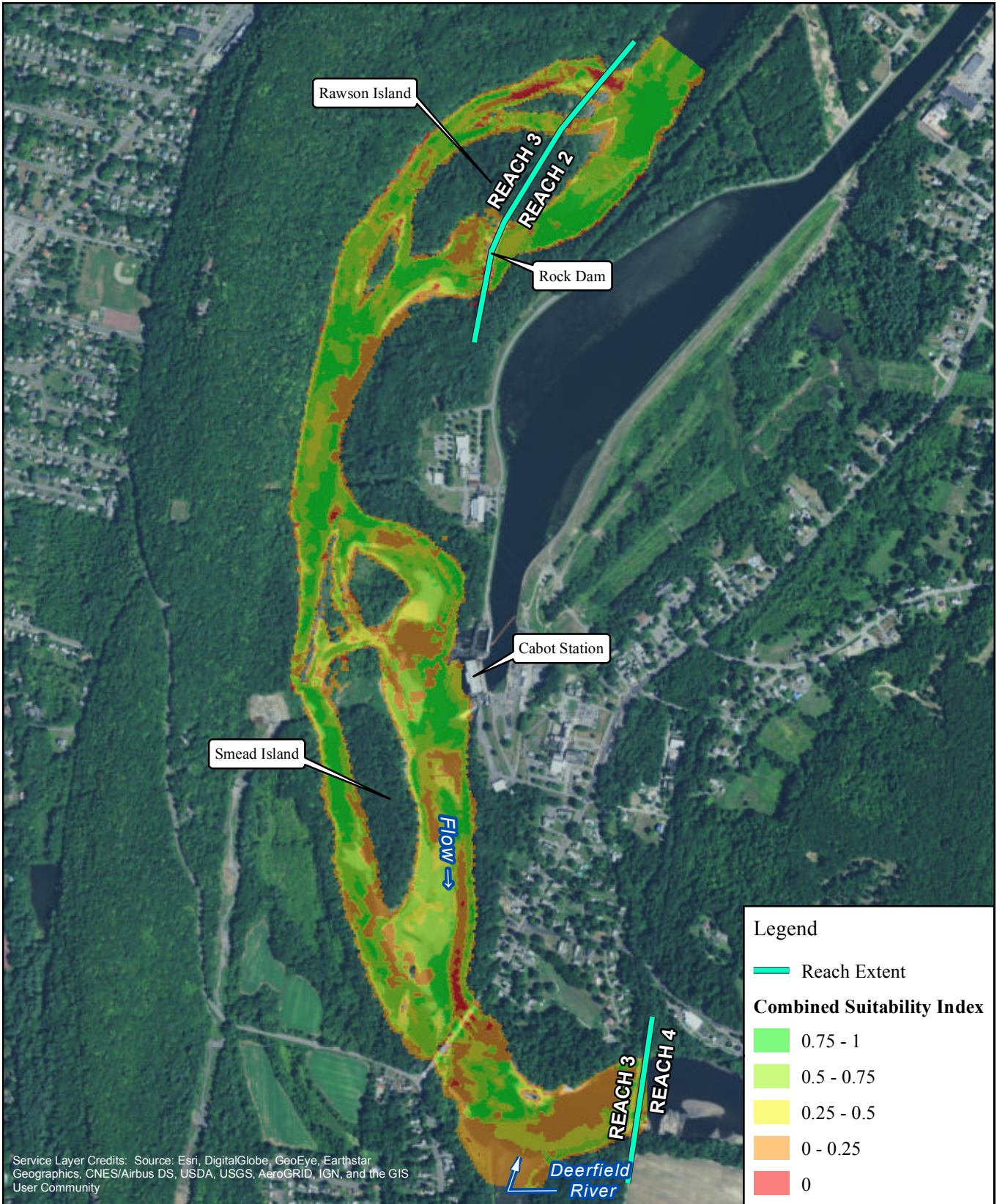


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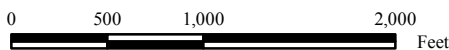


American Shad-Spawning
 Cabot Flow: 4500 cfs
 Bypass Flow: 6500 cfs
 Deerfield Flow: 200 cfs

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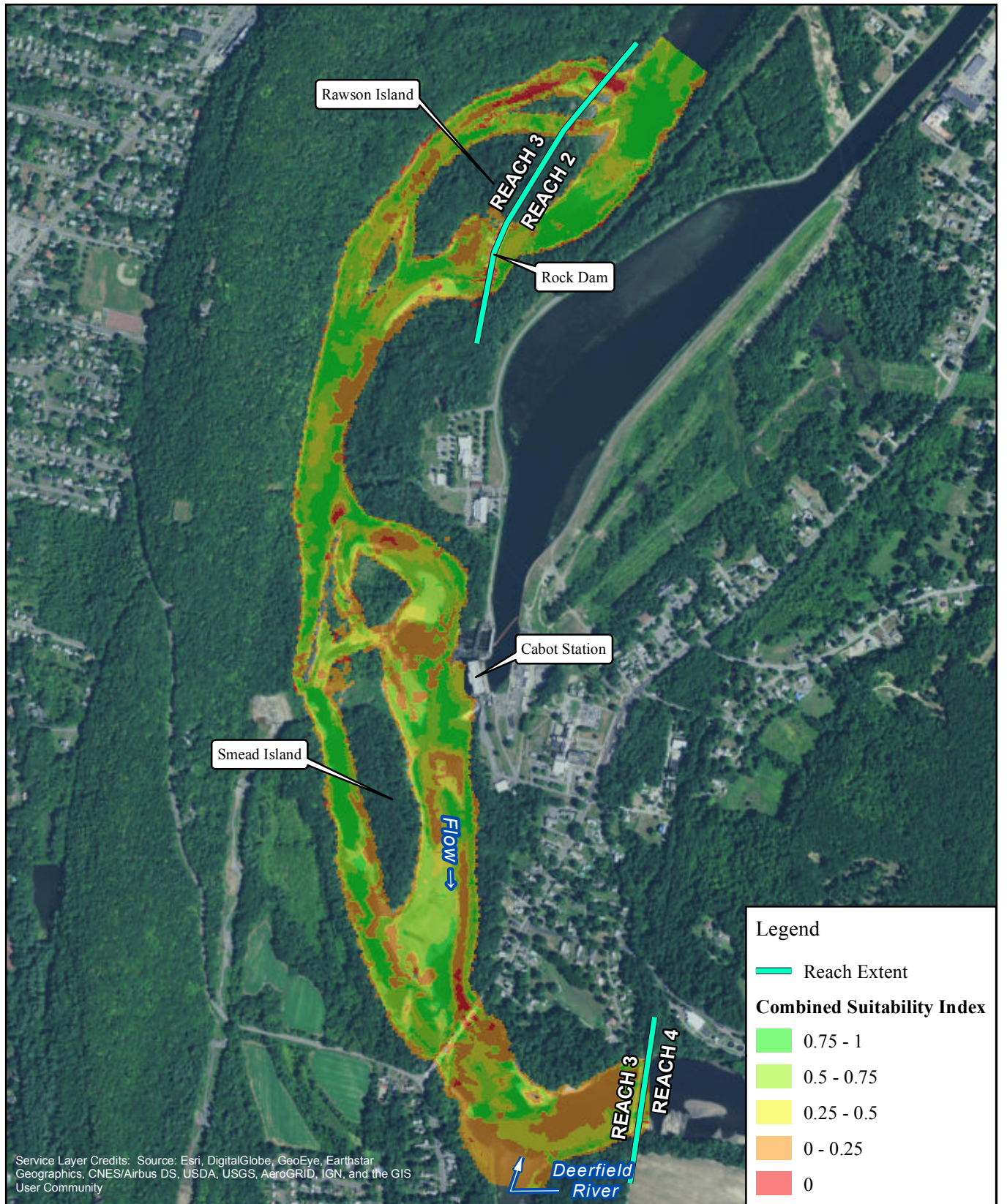


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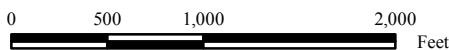


American Shad-Spawning
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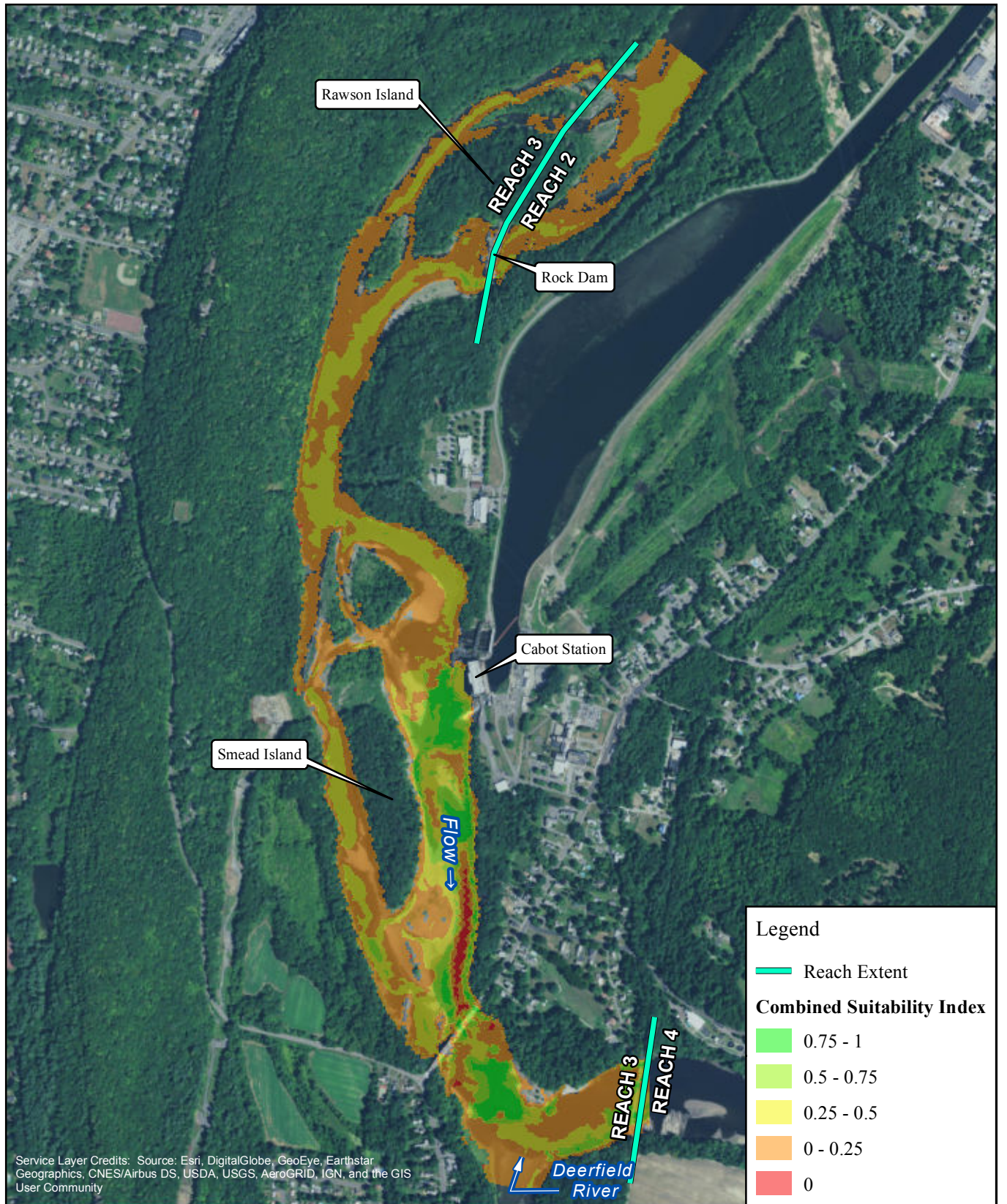


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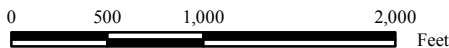
American Shad-Spawning
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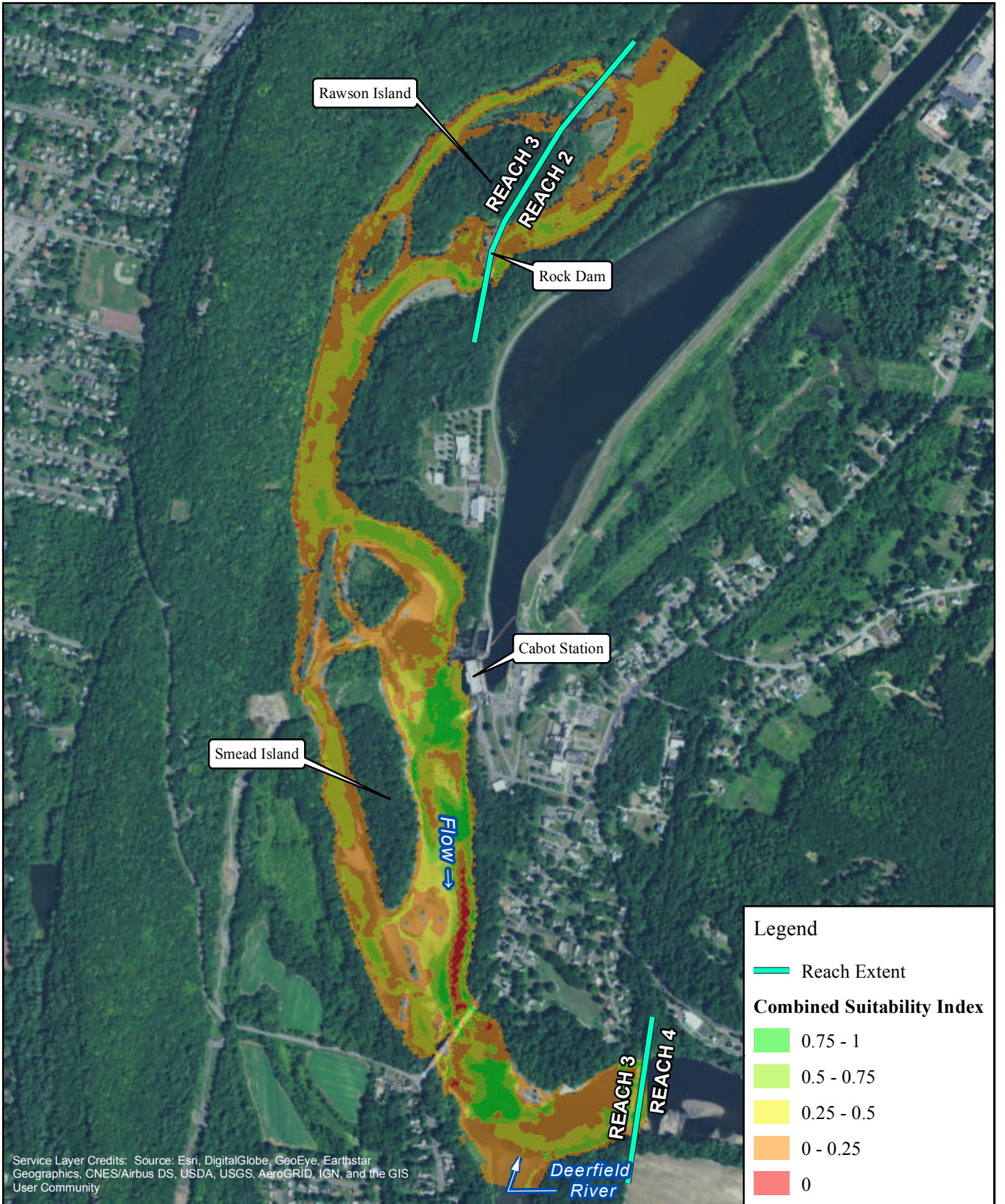
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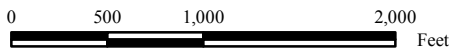


American Shad-Spawning
 Cabot Flow: 7000 cfs
 Bypass Flow: 200 cfs
 Deerfield Flow: 200 cfs

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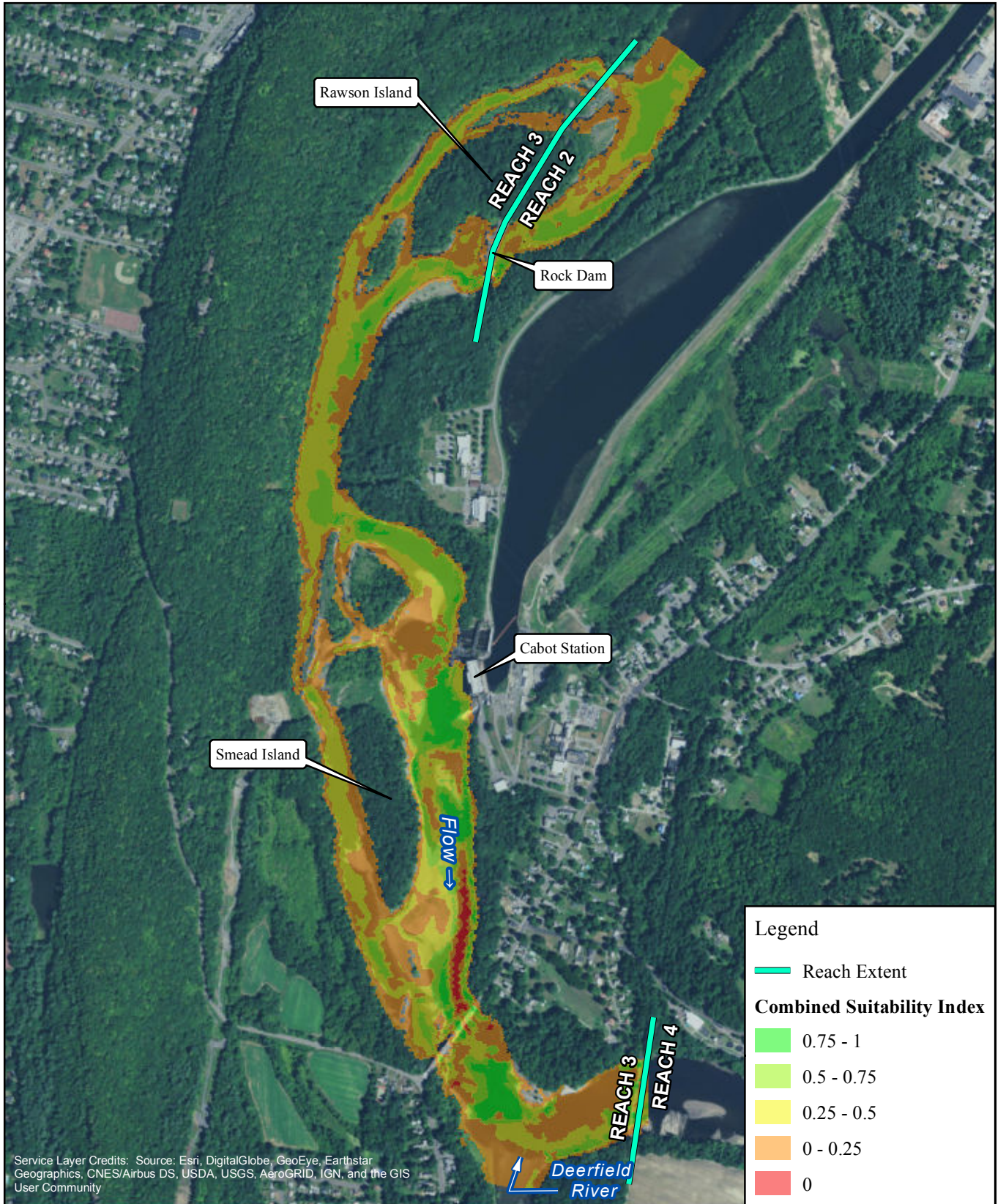


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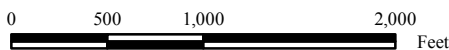


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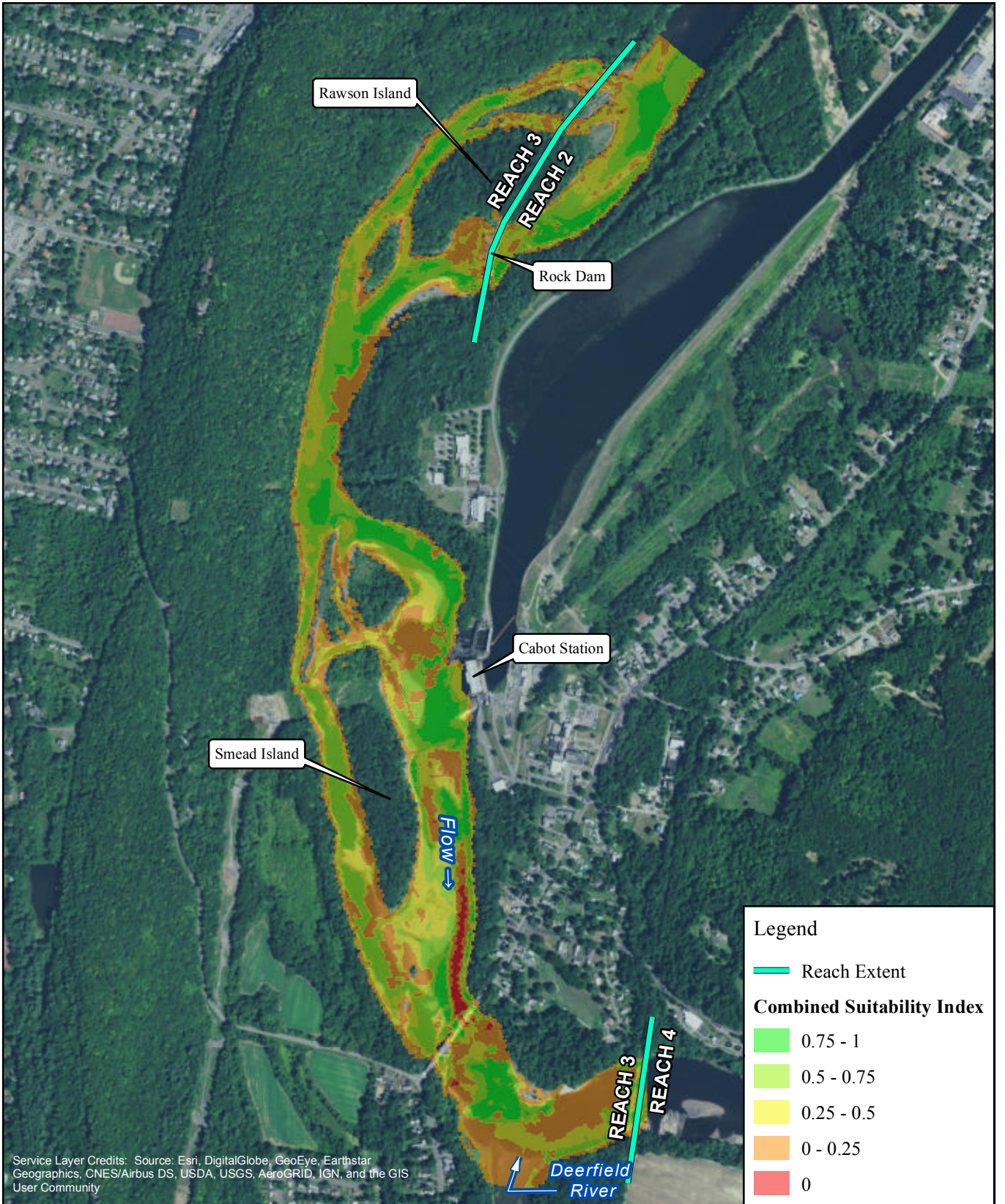


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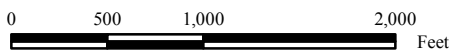


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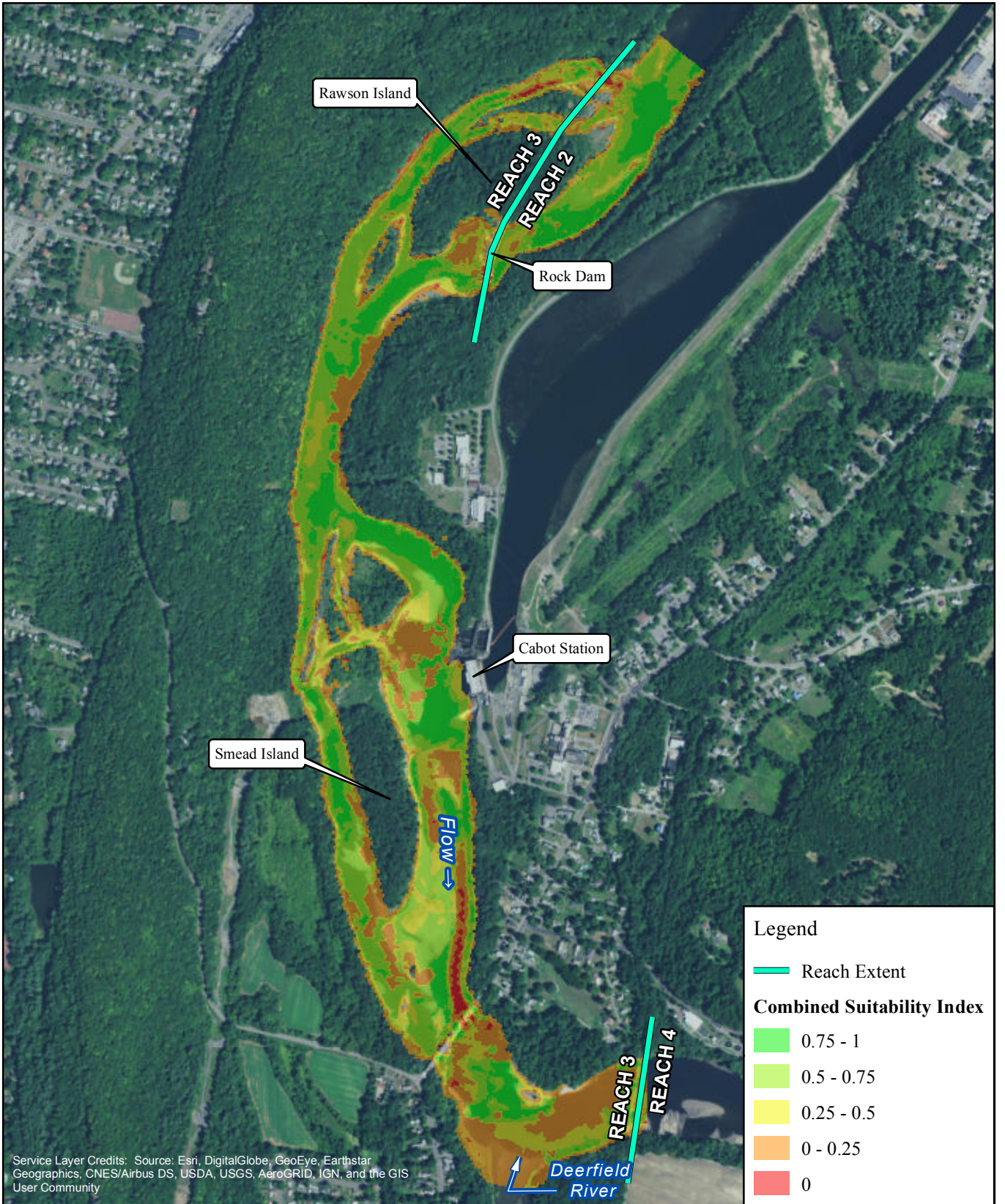


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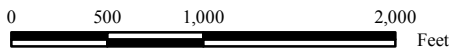


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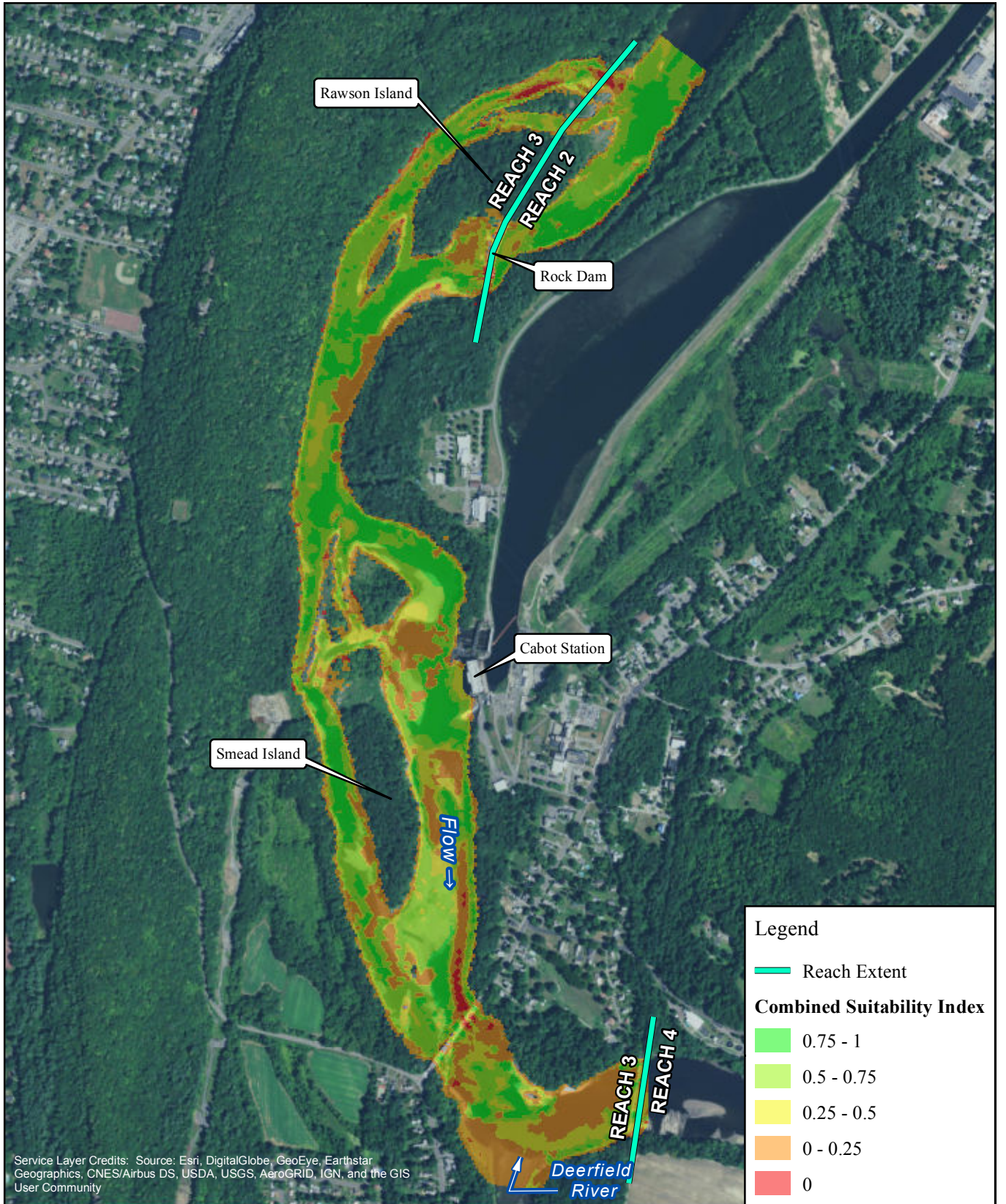


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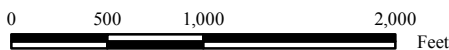


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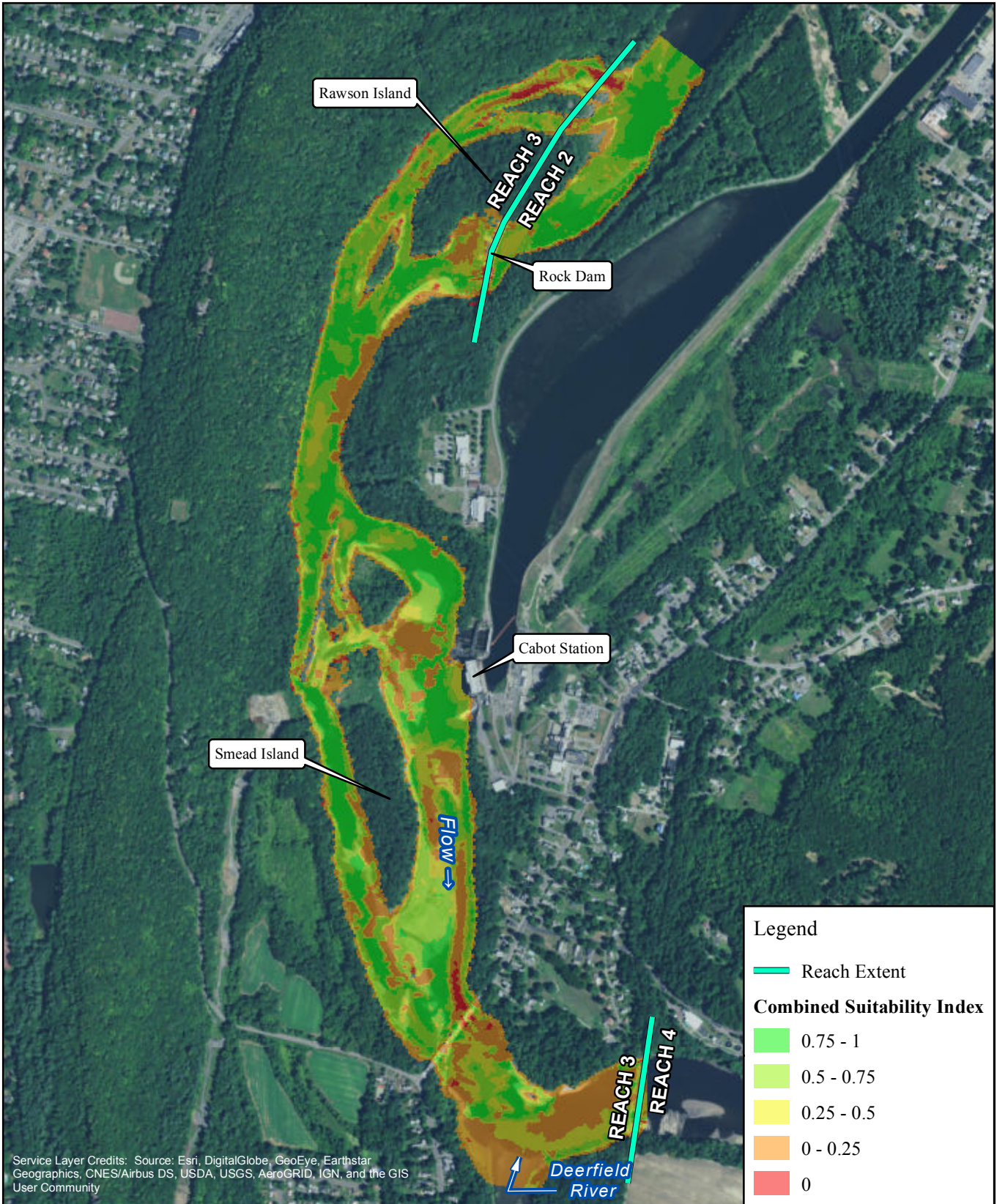


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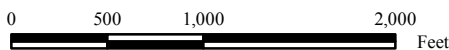


American Shad-Spawning
 Cabot Flow: 7000 cfs
 Bypass Flow: 6500 cfs
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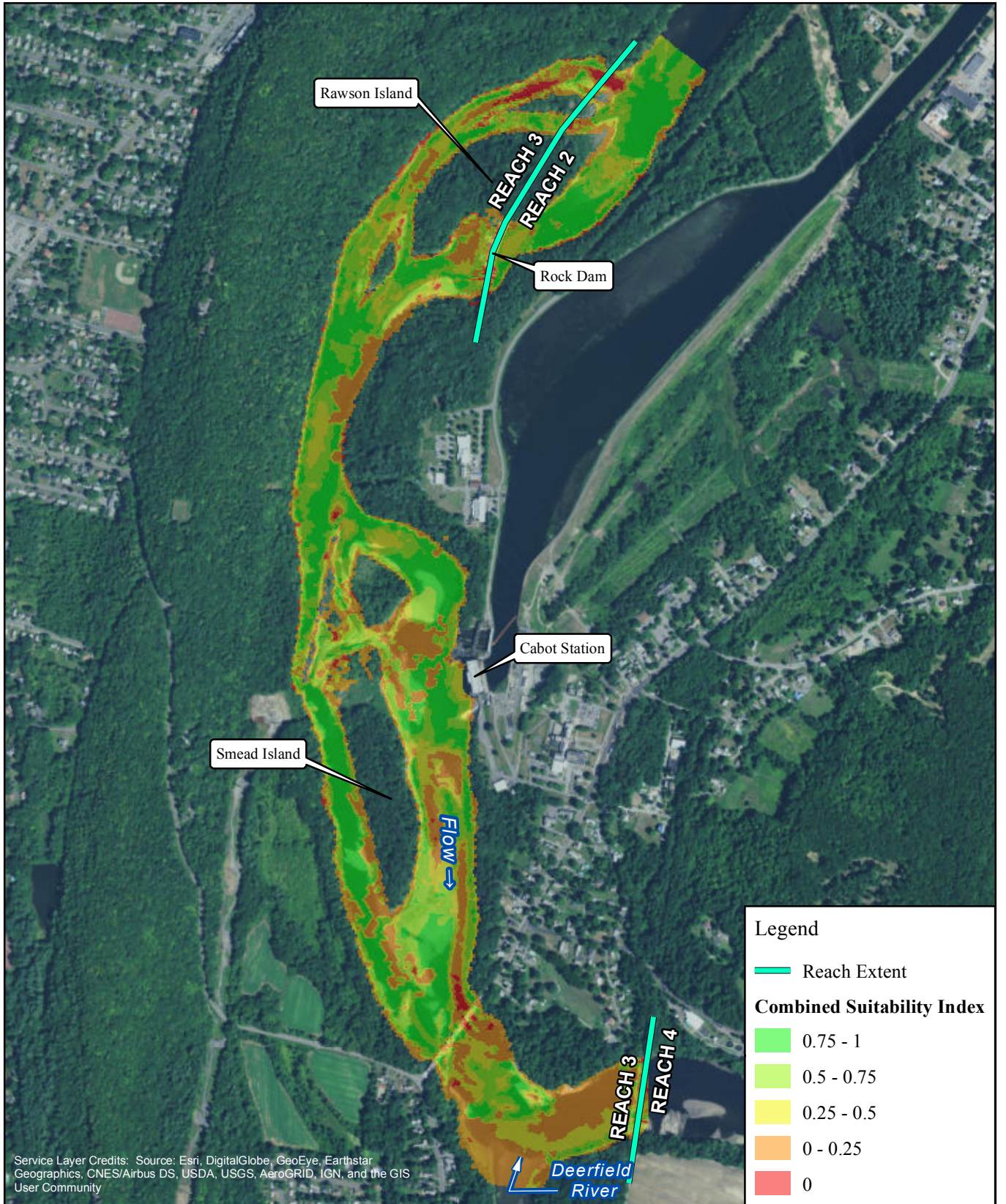


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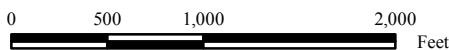


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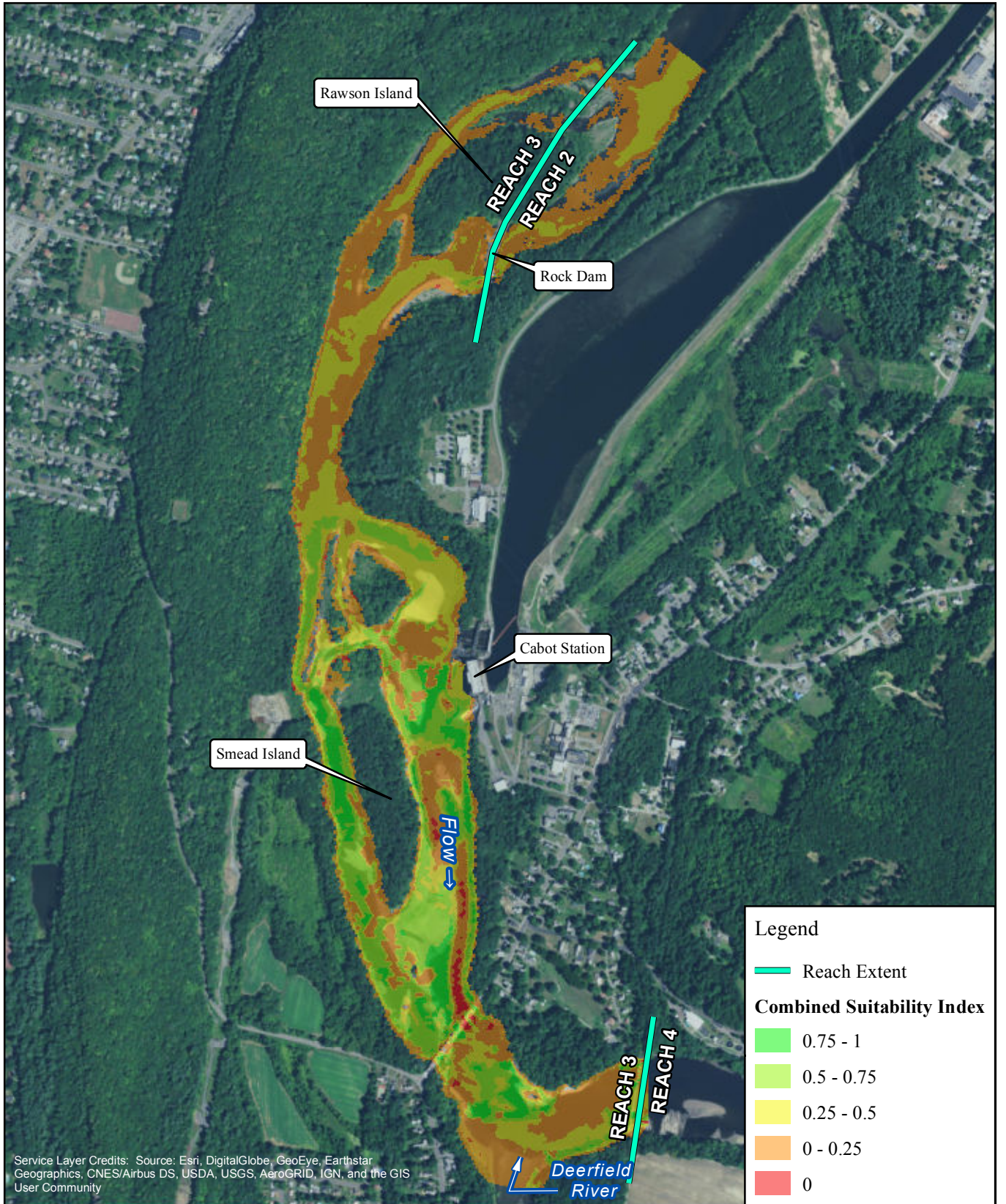


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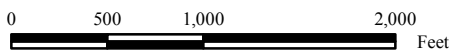


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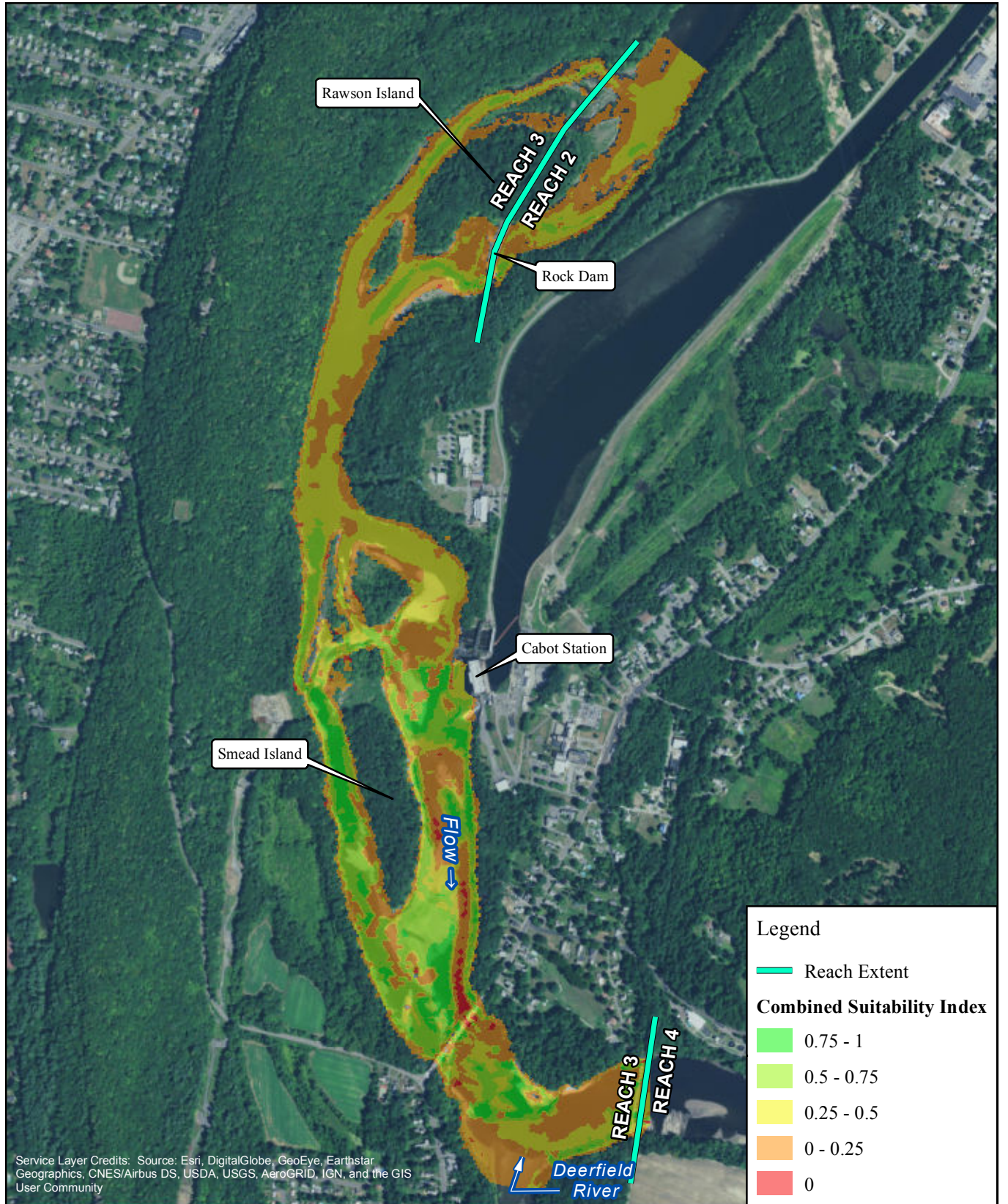


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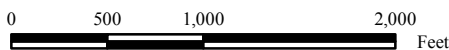


American Shad-Spawning
 Cabot Flow: 14000 cfs
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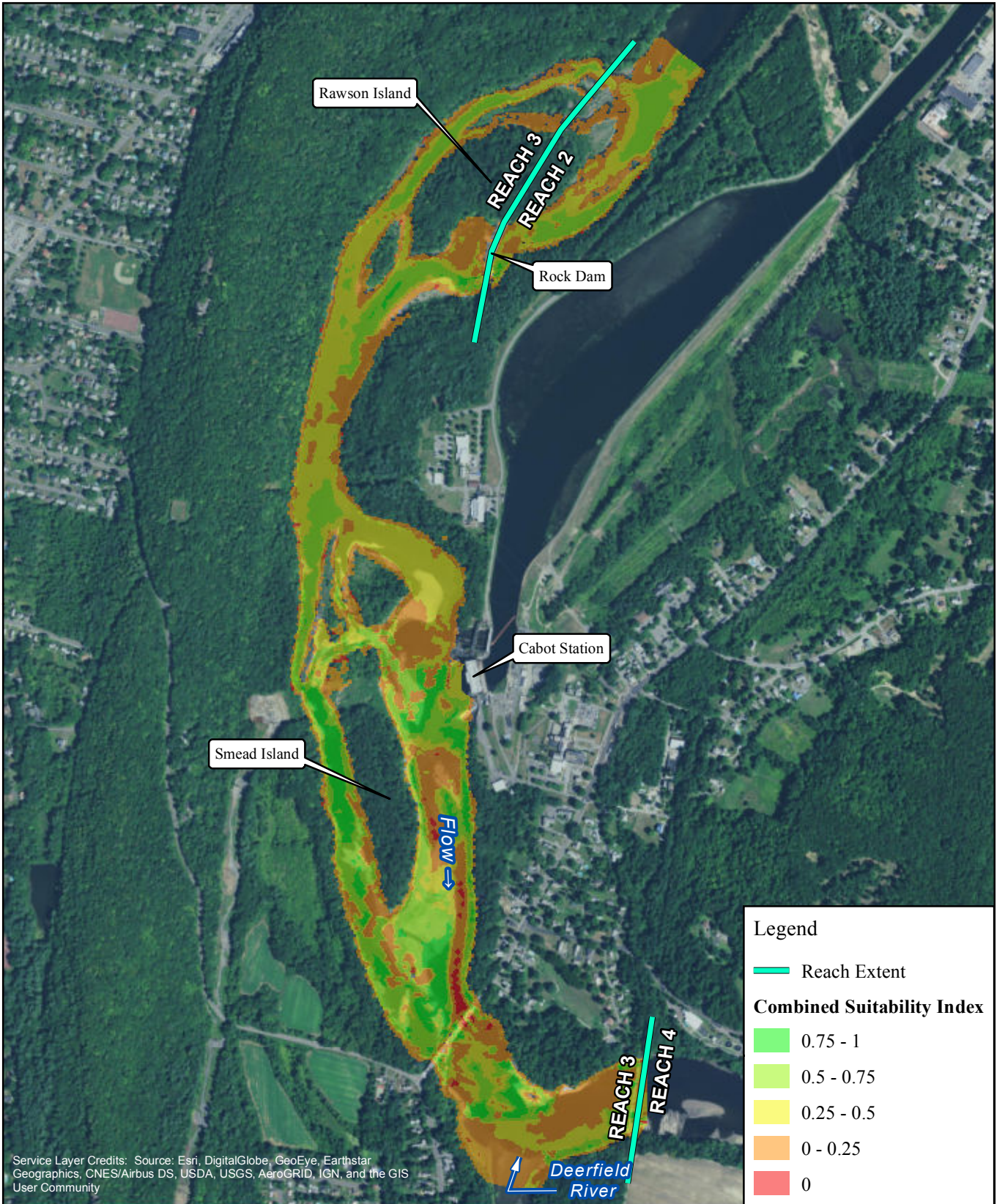


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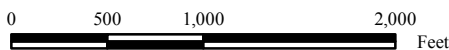


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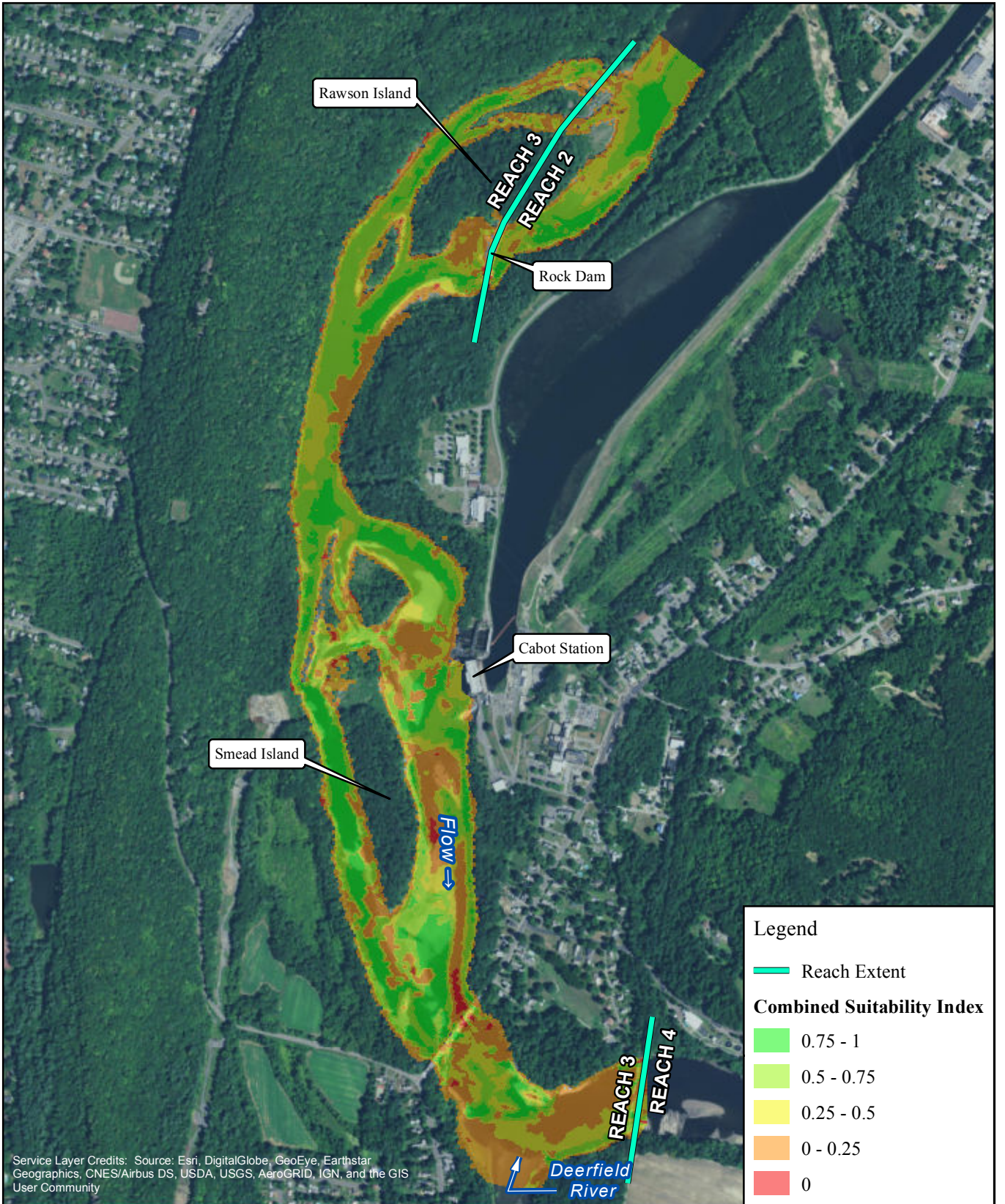


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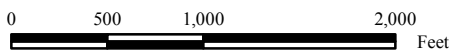


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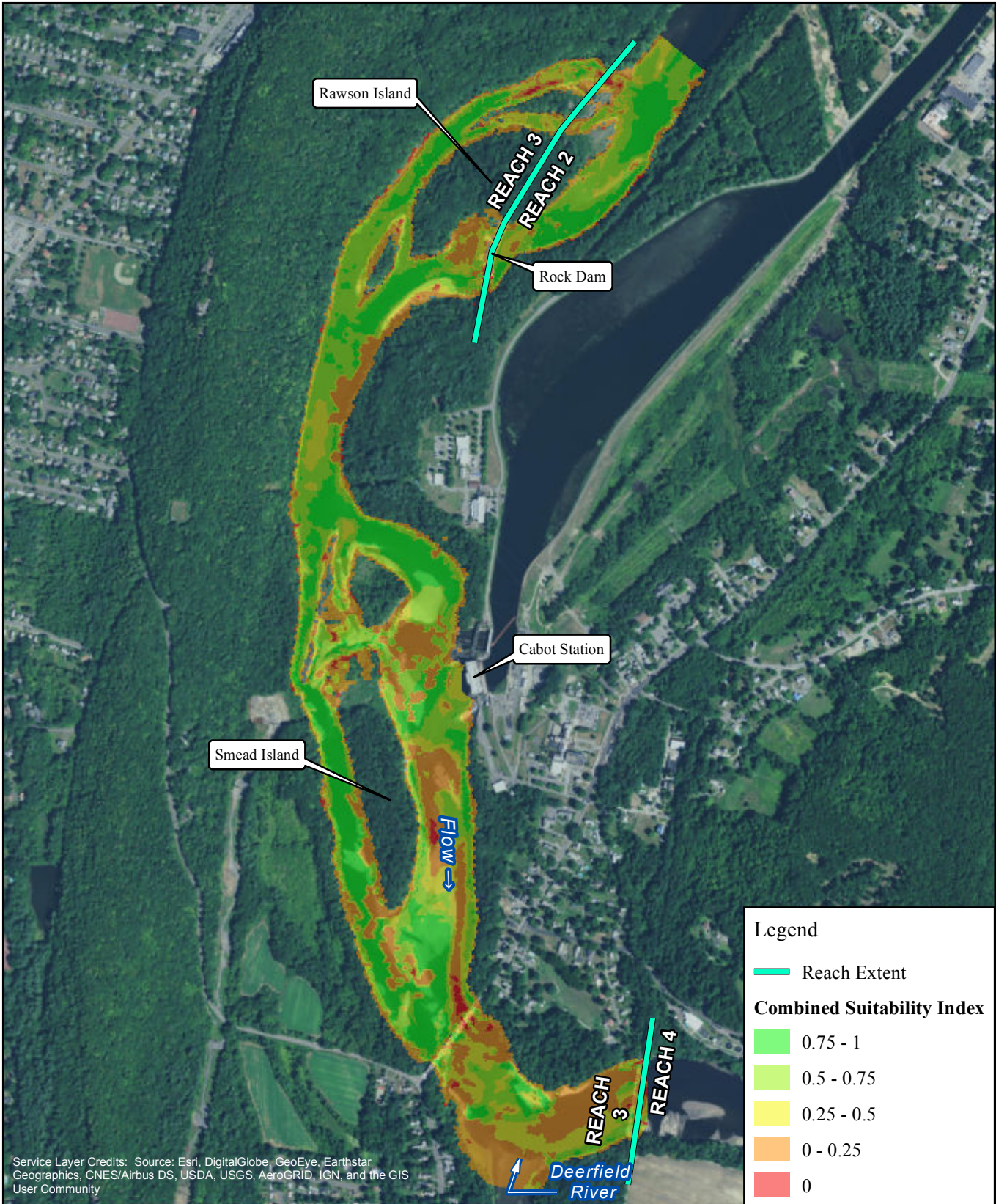


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Legend

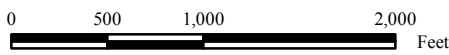
- Reach Extent

Combined Suitability Index

- 0.75 - 1
- 0.5 - 0.75
- 0.25 - 0.5
- 0 - 0.25
- 0

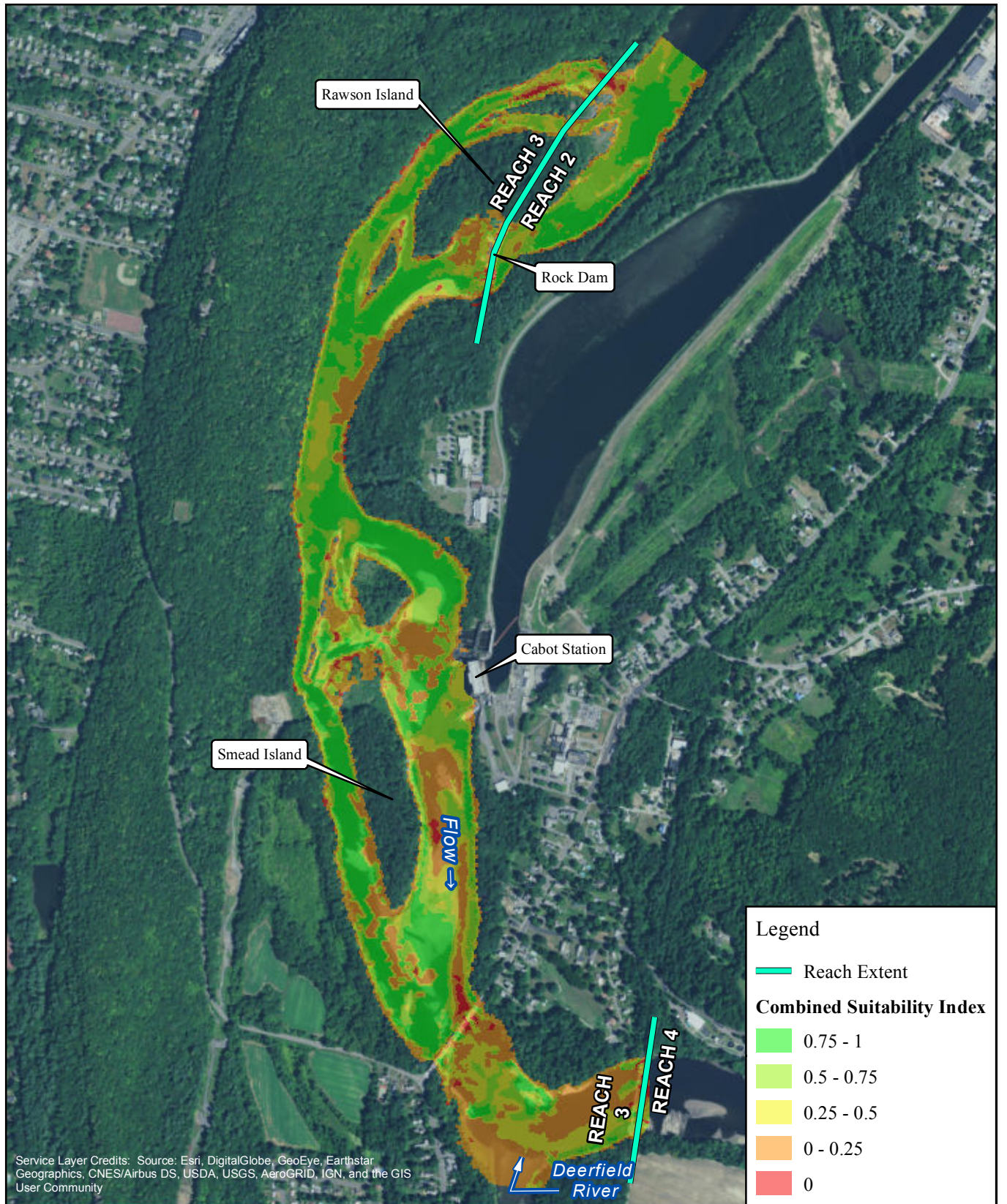


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
RELICENSING STUDY 3.3.1



American Shad-Spawning
 Cabot Flow: 14000 cfs
 Bypass Flow: 5000 cfs
 Deerfield Flow: 200 cfs

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Legend

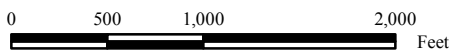
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Combined Suitability Index

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- 0.25 - 0.5
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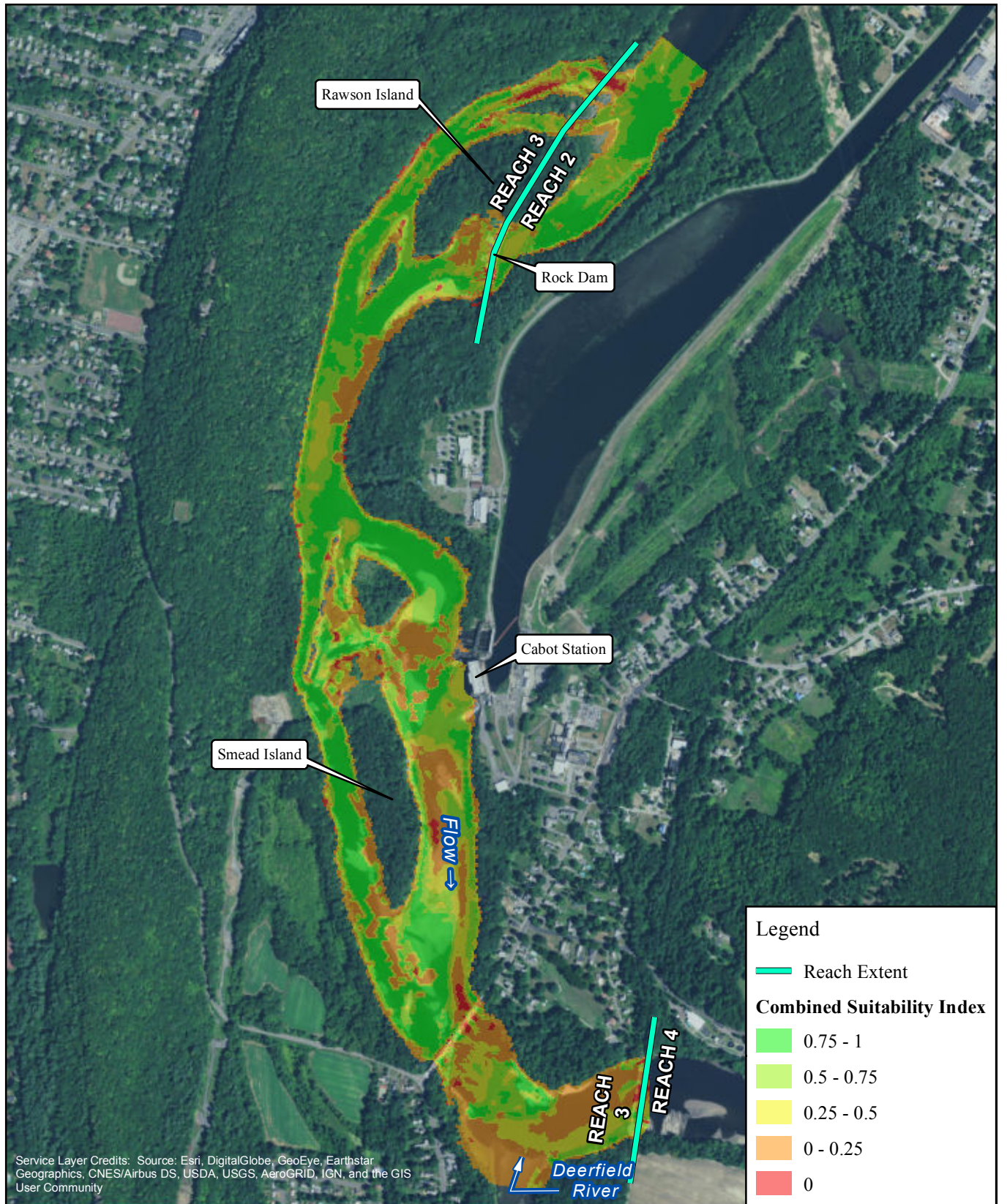


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
RELICENSING STUDY 3.3.1

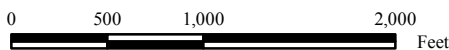


American Shad-Spawning
 Cabot Flow: 14000 cfs
 Bypass Flow: 6500 cfs
 Deerfield Flow: 200 cfs

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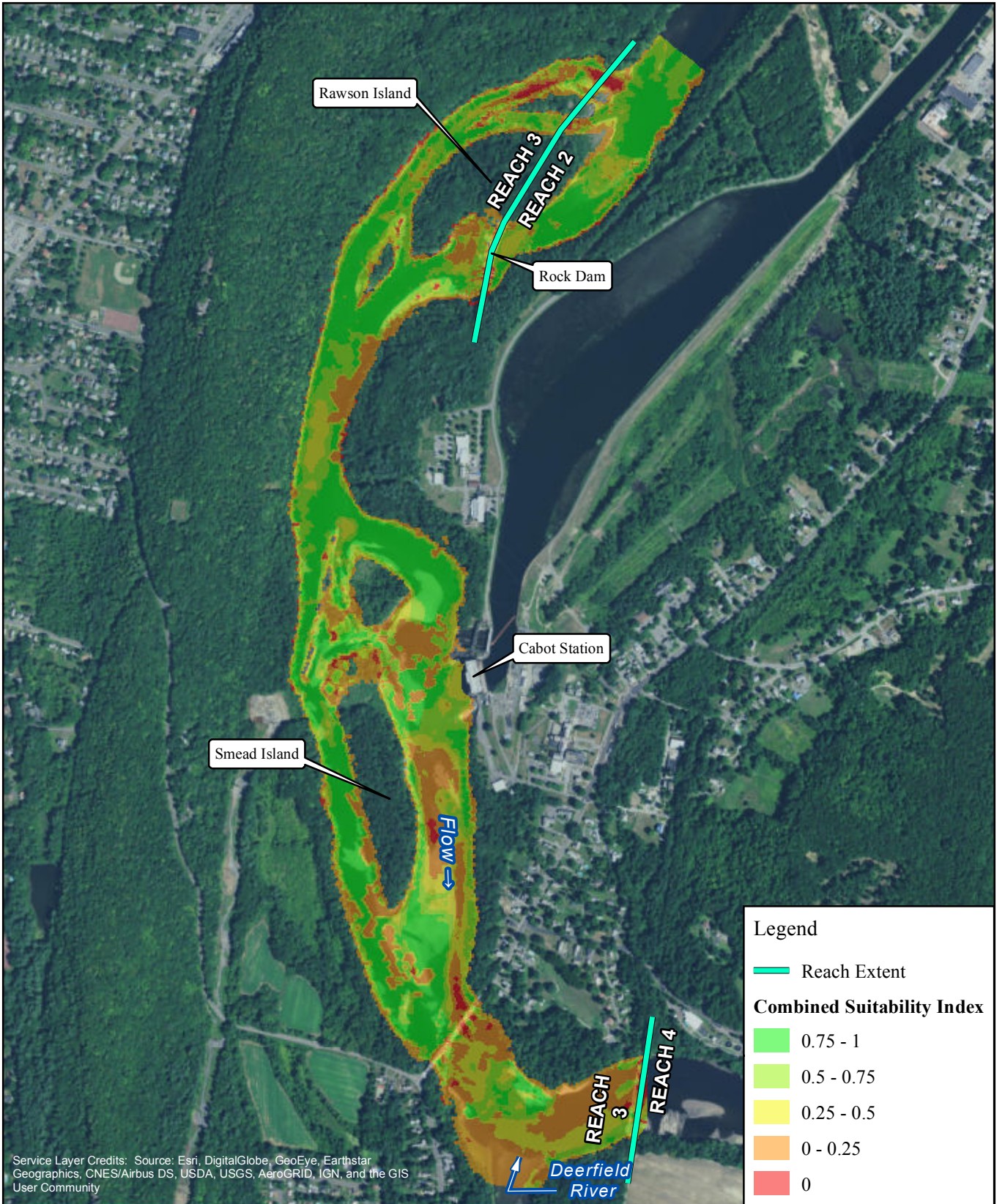


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



American Shad-Spawning
 Cabot Flow: 14000 cfs
 Bypass Flow: 8000 cfs
 Deerfield Flow: 200 cfs

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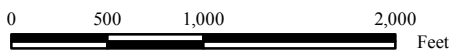
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Combined Suitability Index

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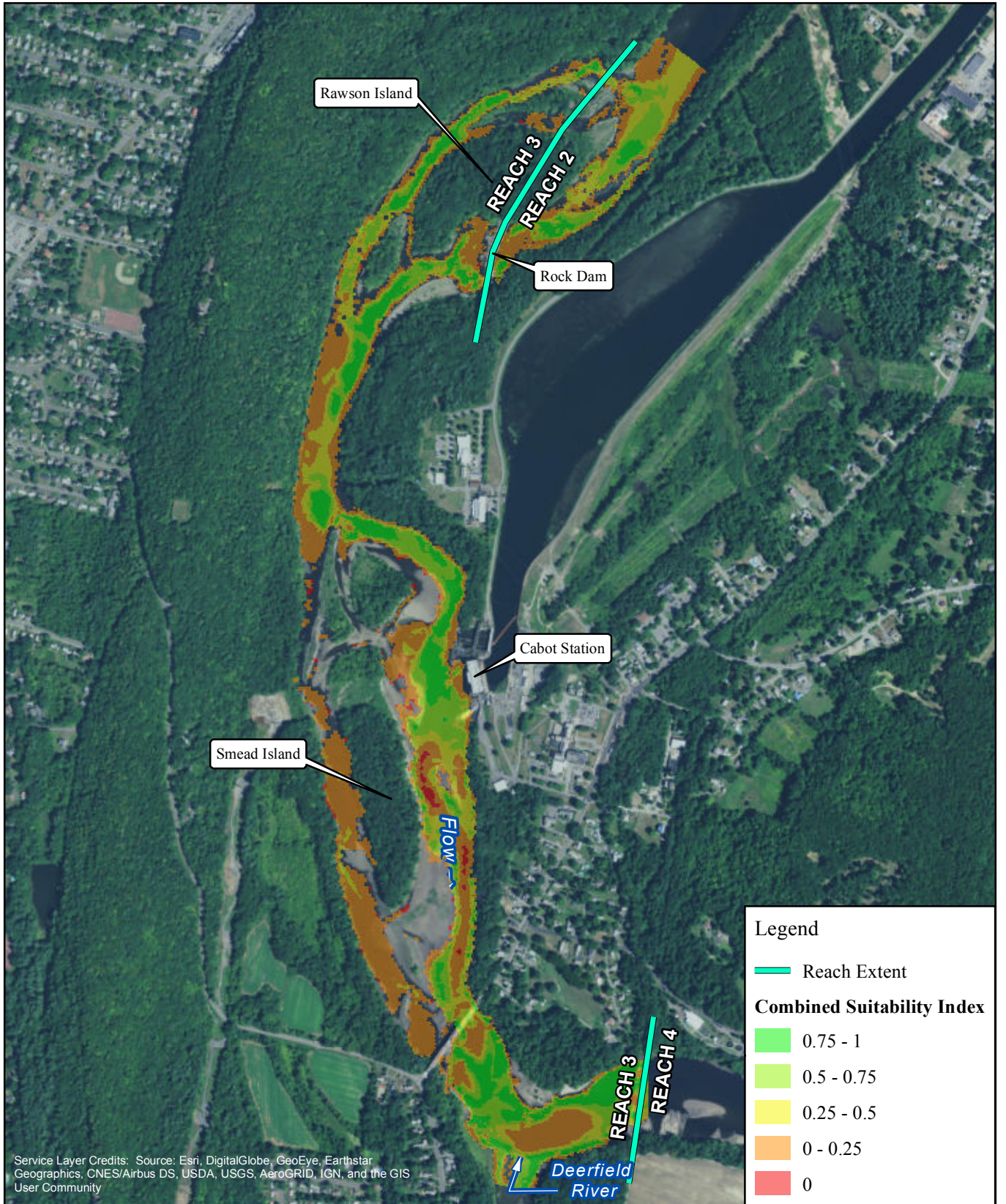


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
RELICENSING STUDY 3.3.1



American Shad-Spawning
 Cabot Flow: 14000 cfs
 Bypass Flow: 10000 cfs
 Deerfield Flow: 200 cfs

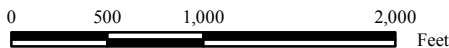
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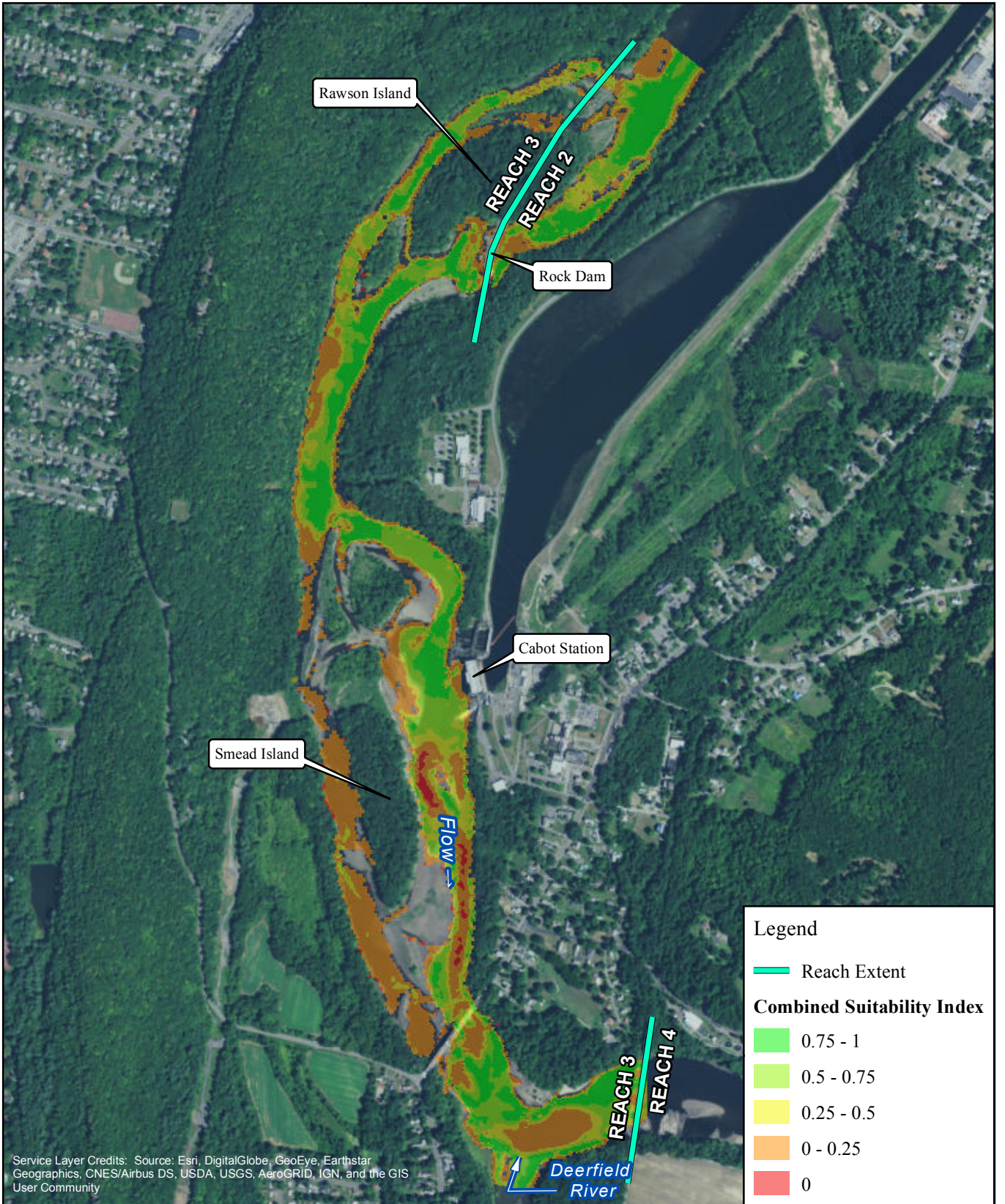


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



American Shad-Juvenile
 Cabot Flow: 2500 cfs
 Bypass Flow: 200 cfs
 Deerfield Flow: 200 cfs

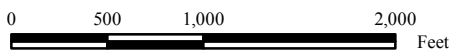
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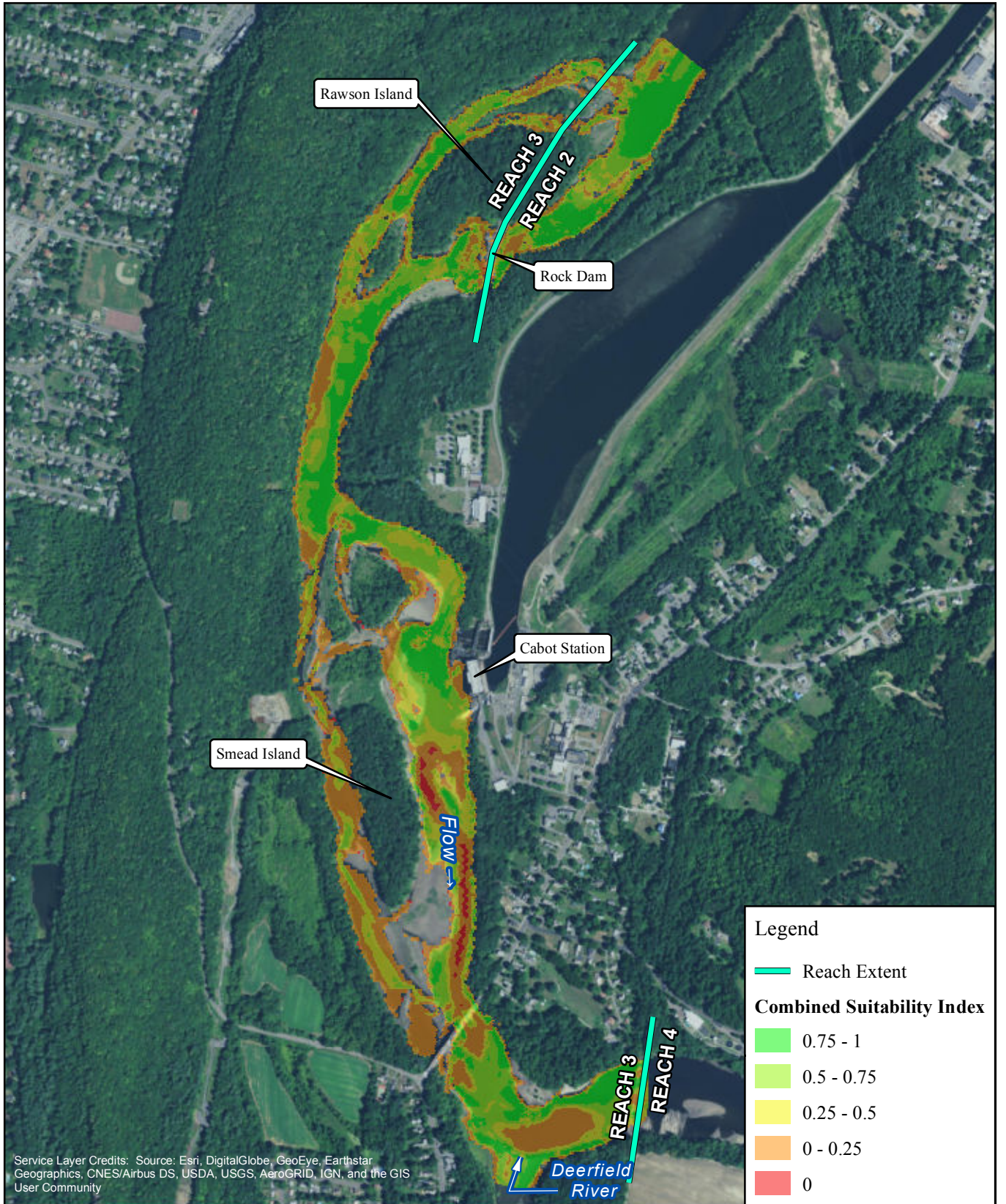
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FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
RELICENSING STUDY 3.3.1

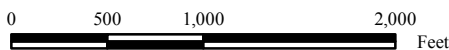
American Shad-Juvenile
 Cabot Flow: 2500 cfs
 Bypass Flow: 500 cfs
 Deerfield Flow: 200 cfs



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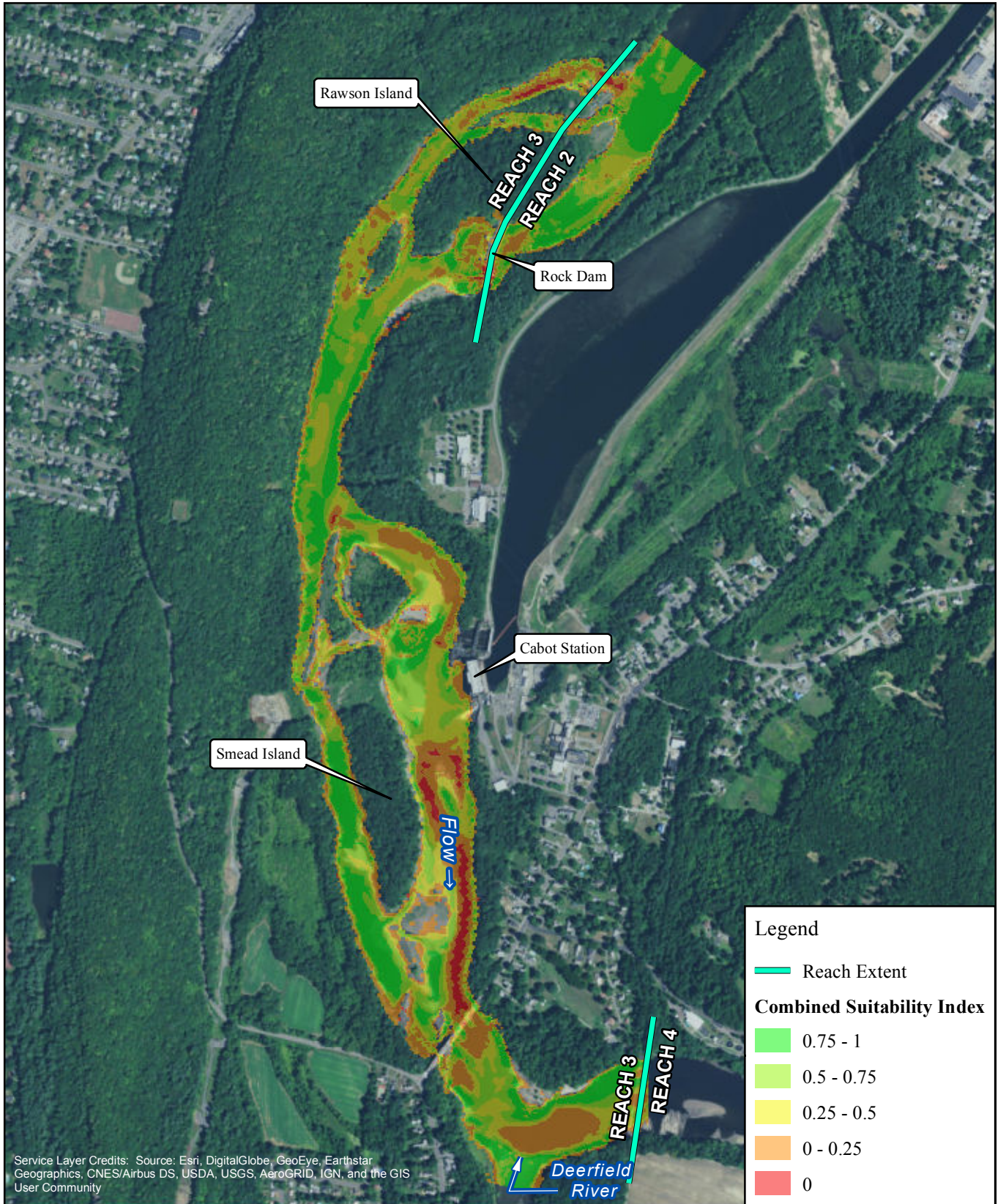


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



American Shad-Juvenile
 Cabot Flow: 2500 cfs
 Bypass Flow: 1000 cfs
 Deerfield Flow: 200 cfs

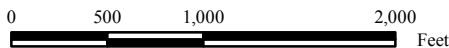
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FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



Legend

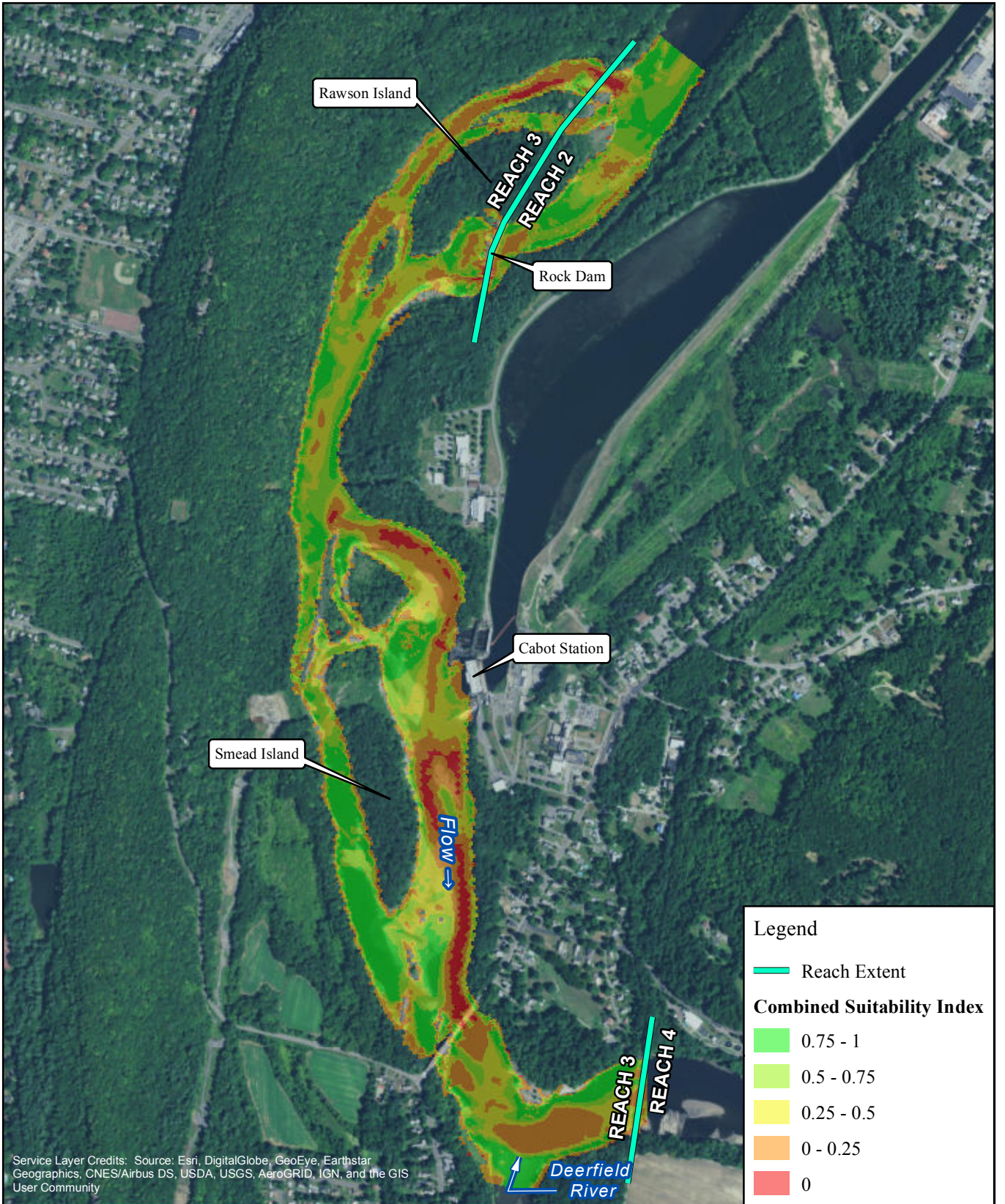
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Combined Suitability Index

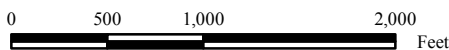
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- 0.25 - 0.5
- 0 - 0.25
- 0

American Shad-Juvenile
 Cabot Flow: 2500 cfs
 Bypass Flow: 3000 cfs
 Deerfield Flow: 200 cfs

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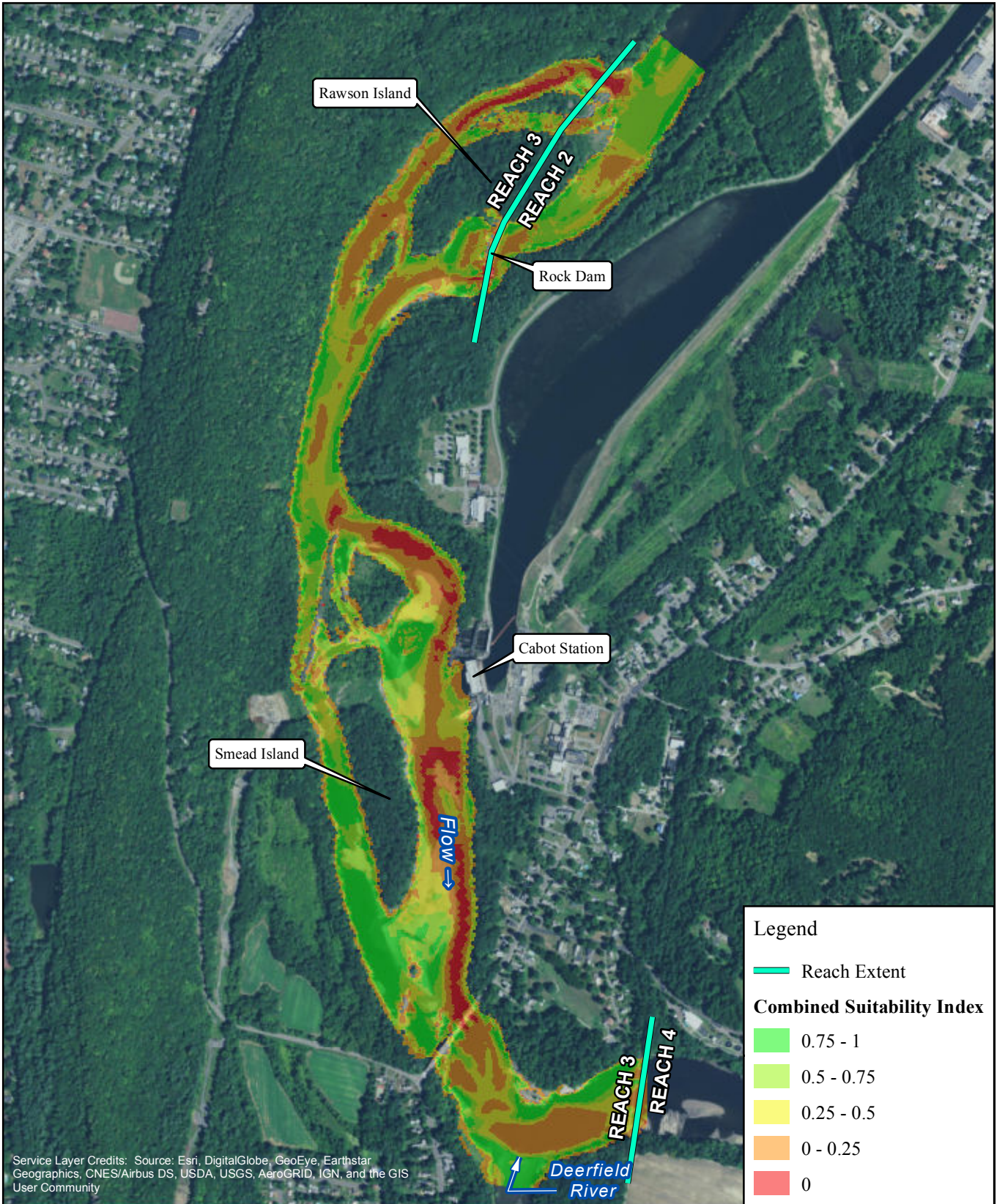


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1

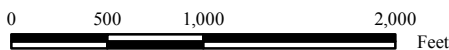


American Shad-Juvenile
 Cabot Flow: 2500 cfs
 Bypass Flow: 5000 cfs
 Deerfield Flow: 200 cfs

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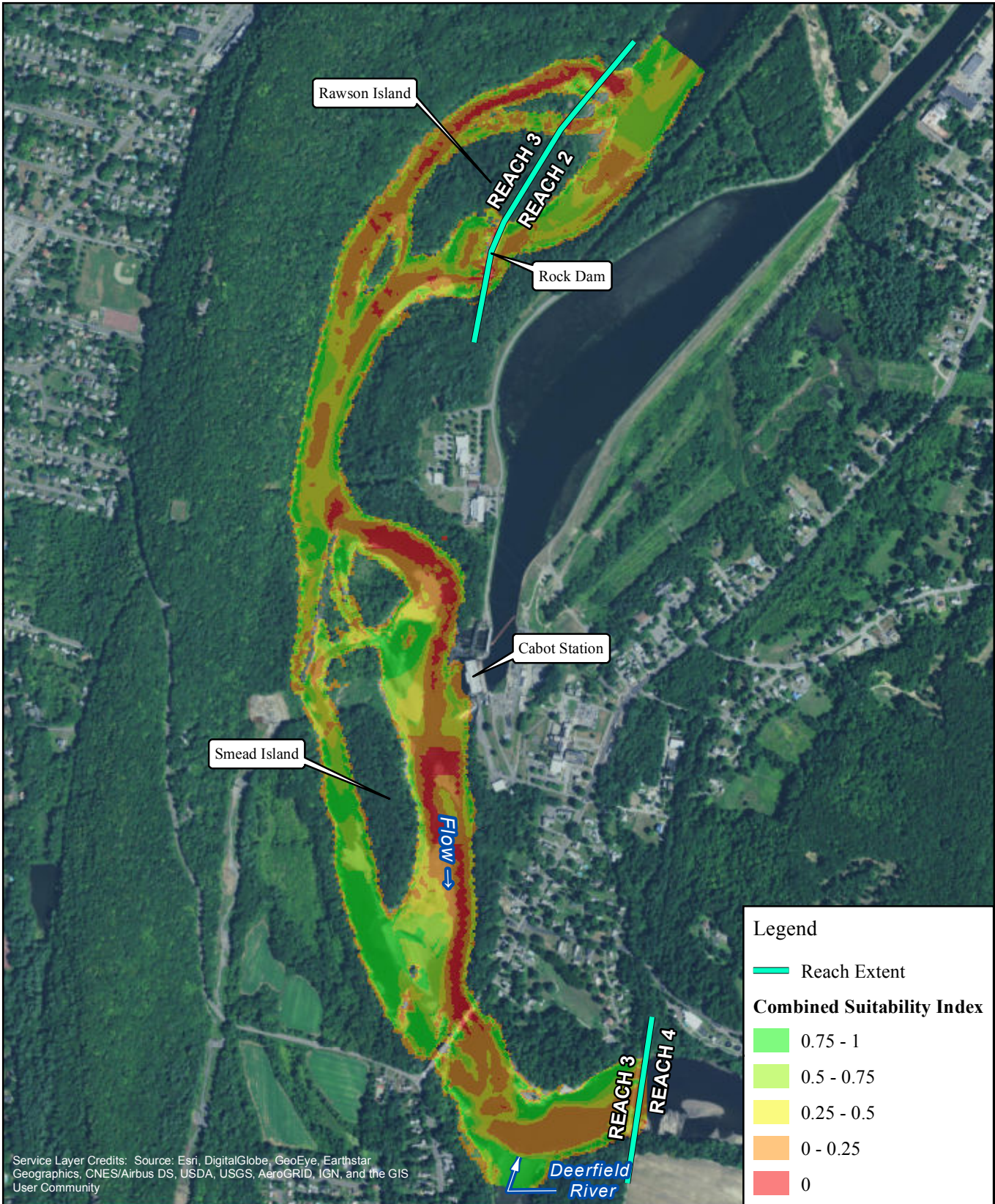


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1

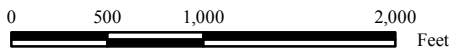


American Shad-Juvenile
 Cabot Flow: 2500 cfs
 Bypass Flow: 6500 cfs
 Deerfield Flow: 200 cfs

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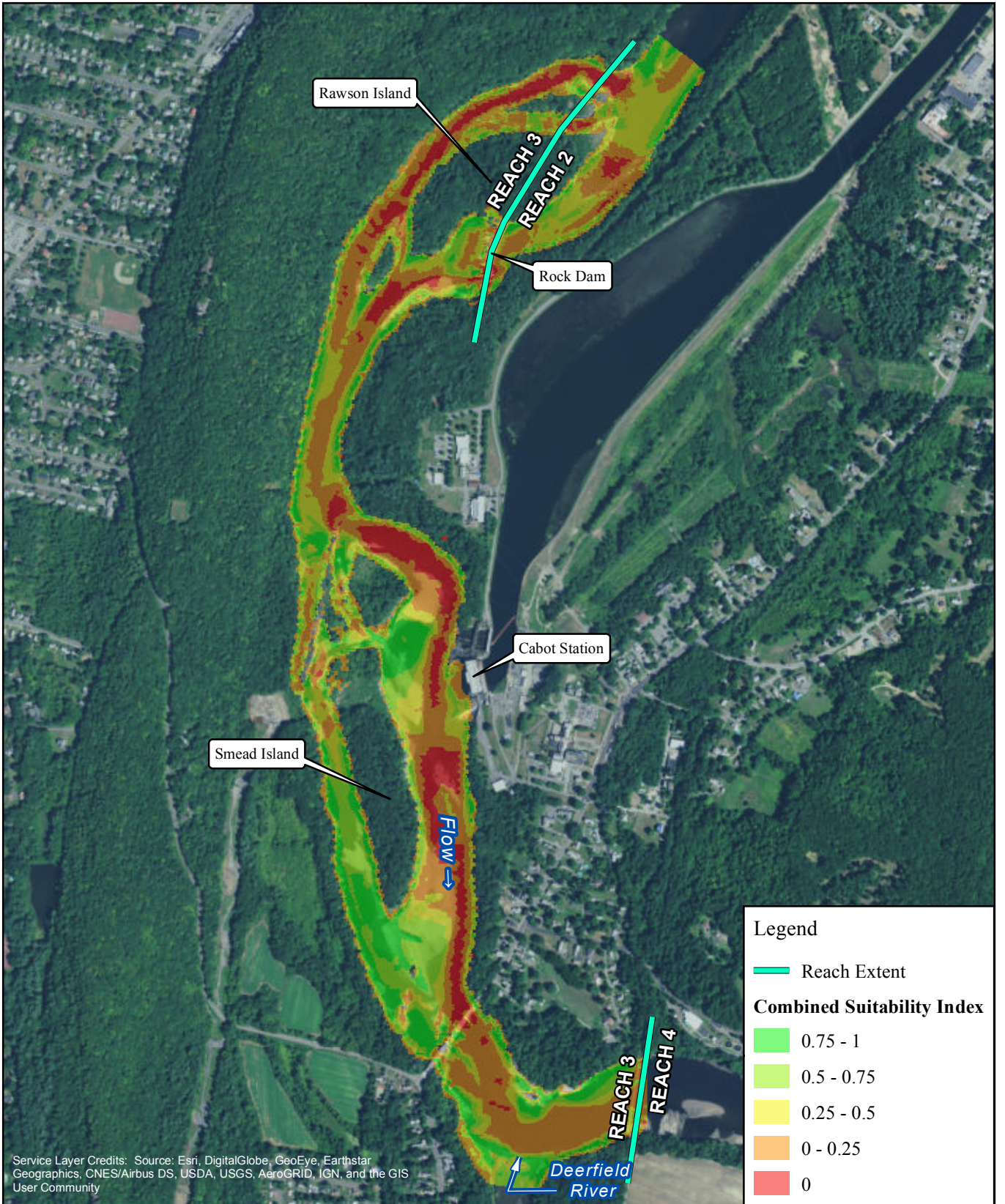


FIRSTLIGHT HYDRO GENERATING COMPANY
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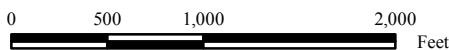


American Shad-Juvenile
 Cabot Flow: 2500 cfs
 Bypass Flow: 8000 cfs
 Deerfield Flow: 200 cfs

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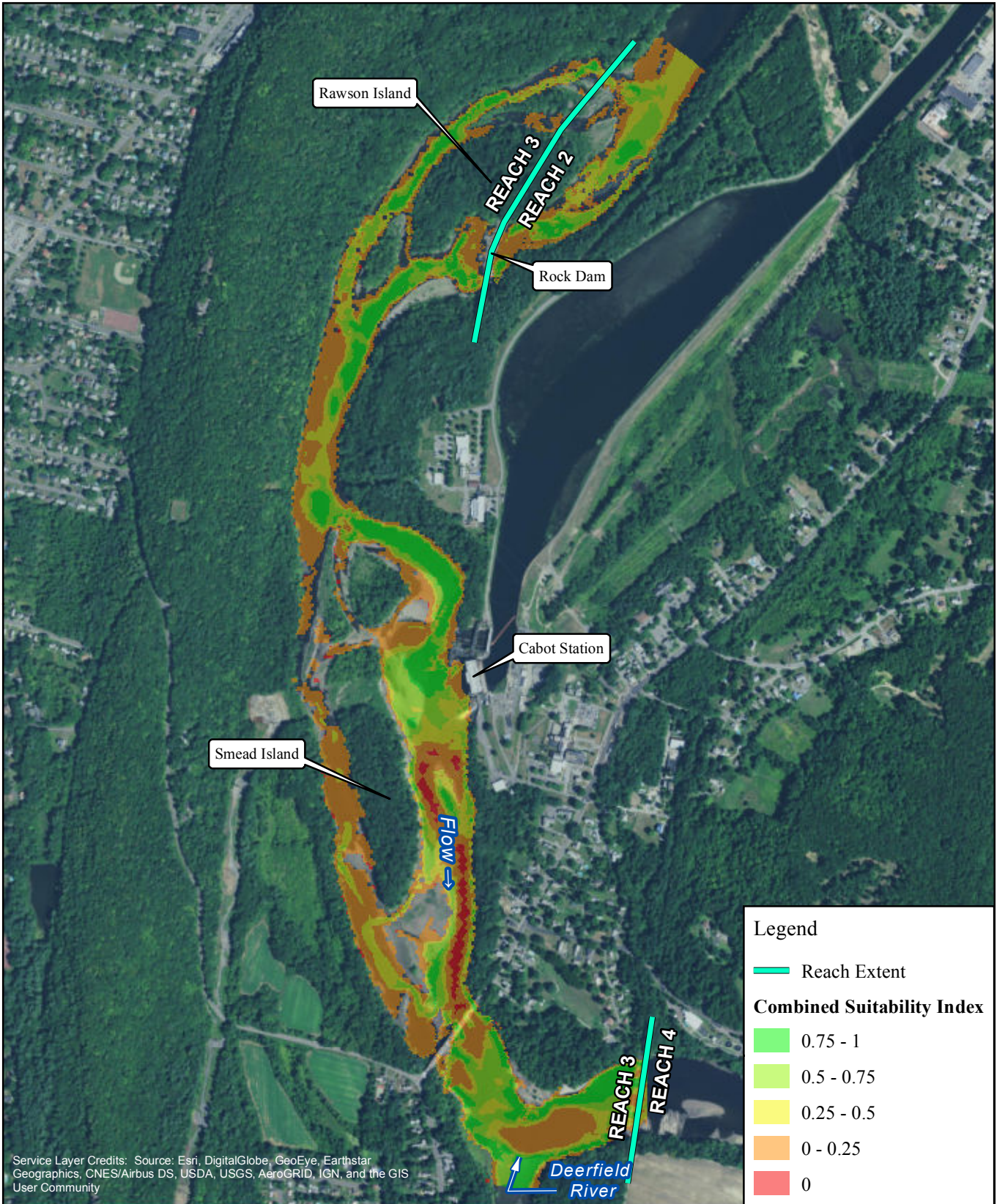


FIRSTLIGHT HYDRO GENERATING COMPANY
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 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



American Shad-Juvenile
 Cabot Flow: 2500 cfs
 Bypass Flow: 10000 cfs
 Deerfield Flow: 200 cfs

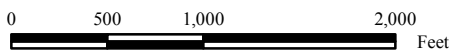
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 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



Legend

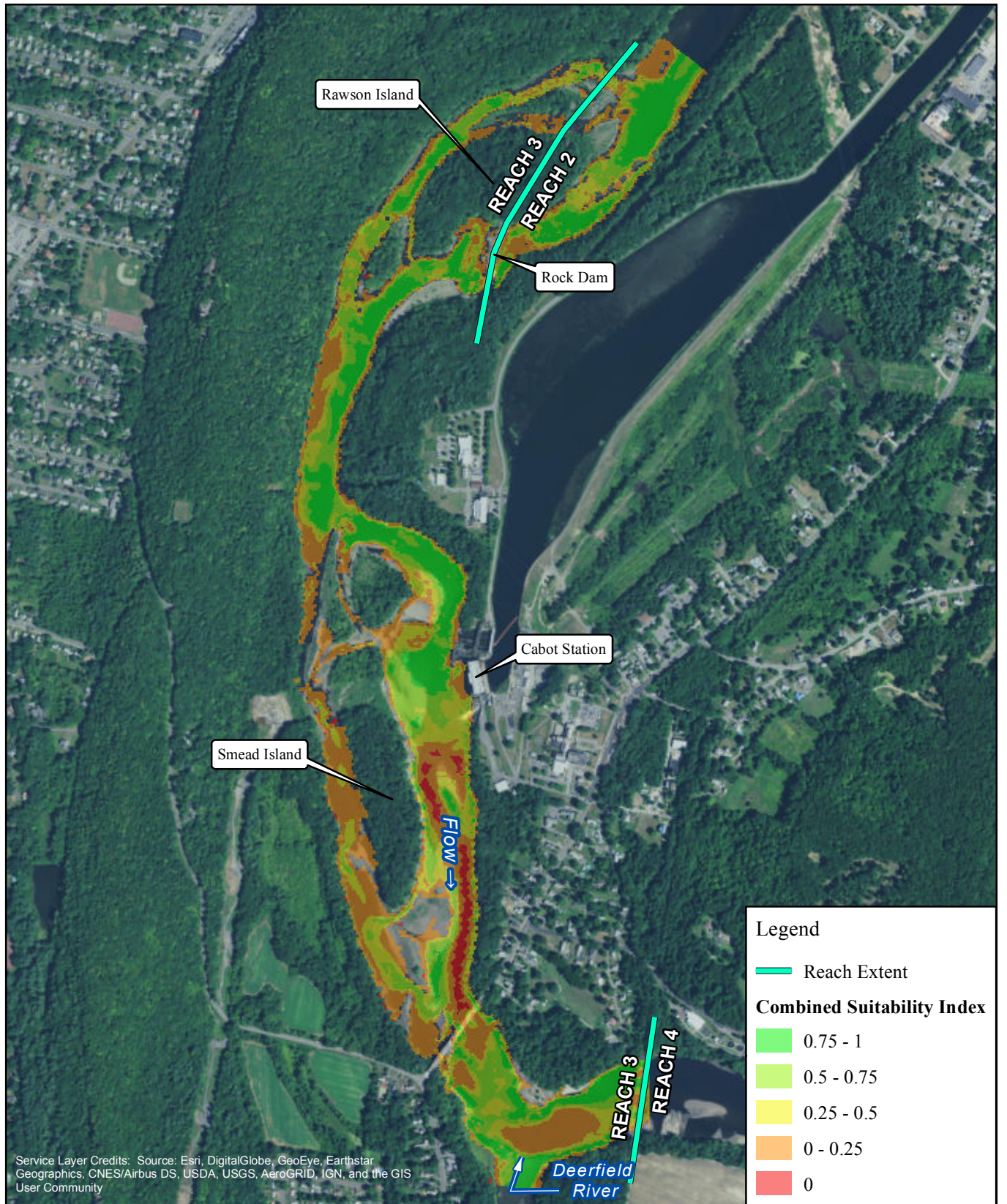
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Combined Suitability Index

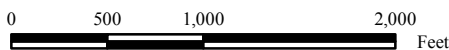
- 0.75 - 1
- 0.5 - 0.75
- 0.25 - 0.5
- 0 - 0.25
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American Shad-Juvenile
 Cabot Flow: 4500 cfs
 Bypass Flow: 200 cfs
 Deerfield Flow: 200 cfs

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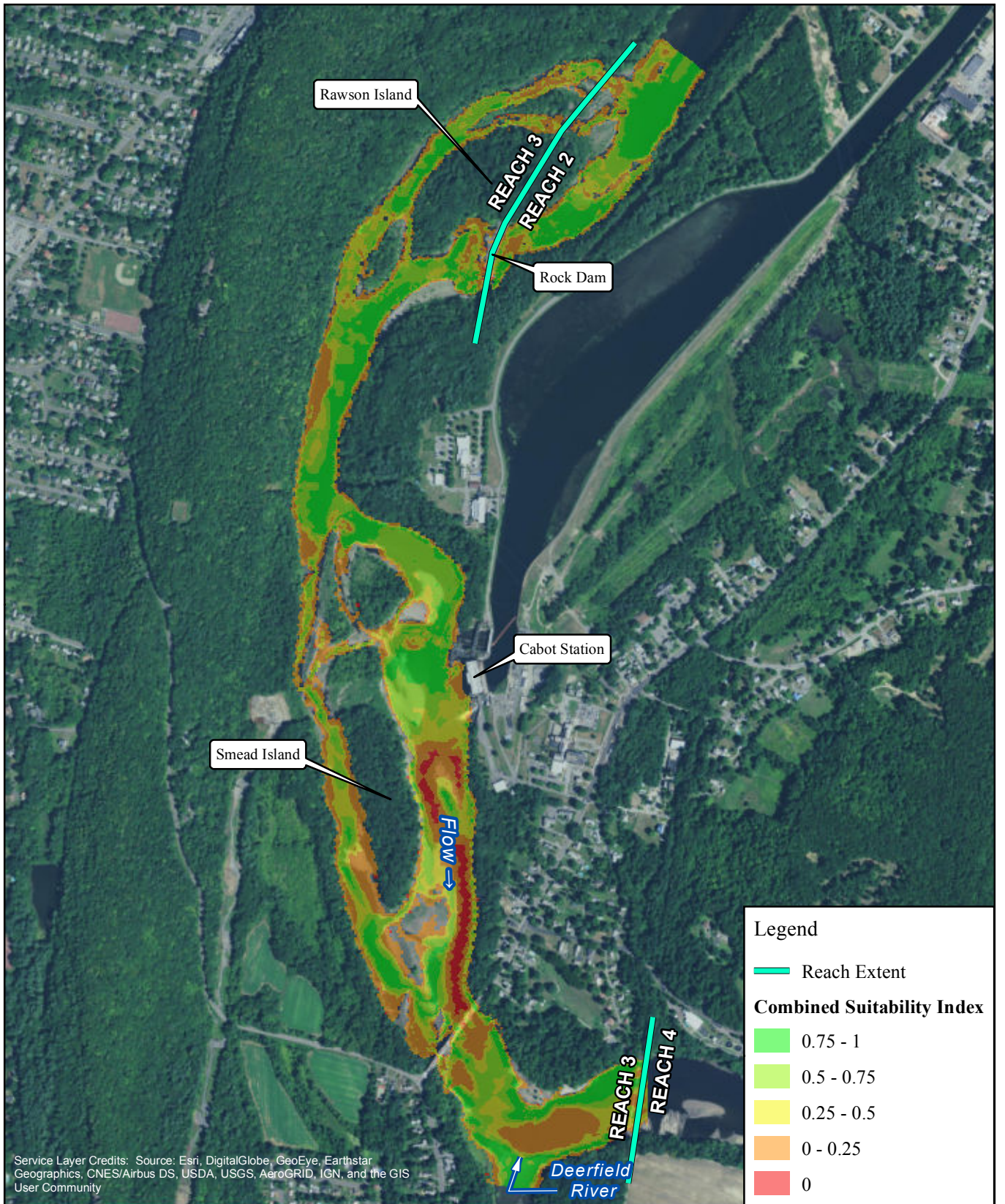


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1

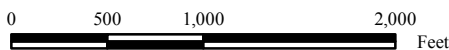


American Shad-Juvenile
 Cabot Flow: 4500 cfs
 Bypass Flow: 500 cfs
 Deerfield Flow: 200 cfs

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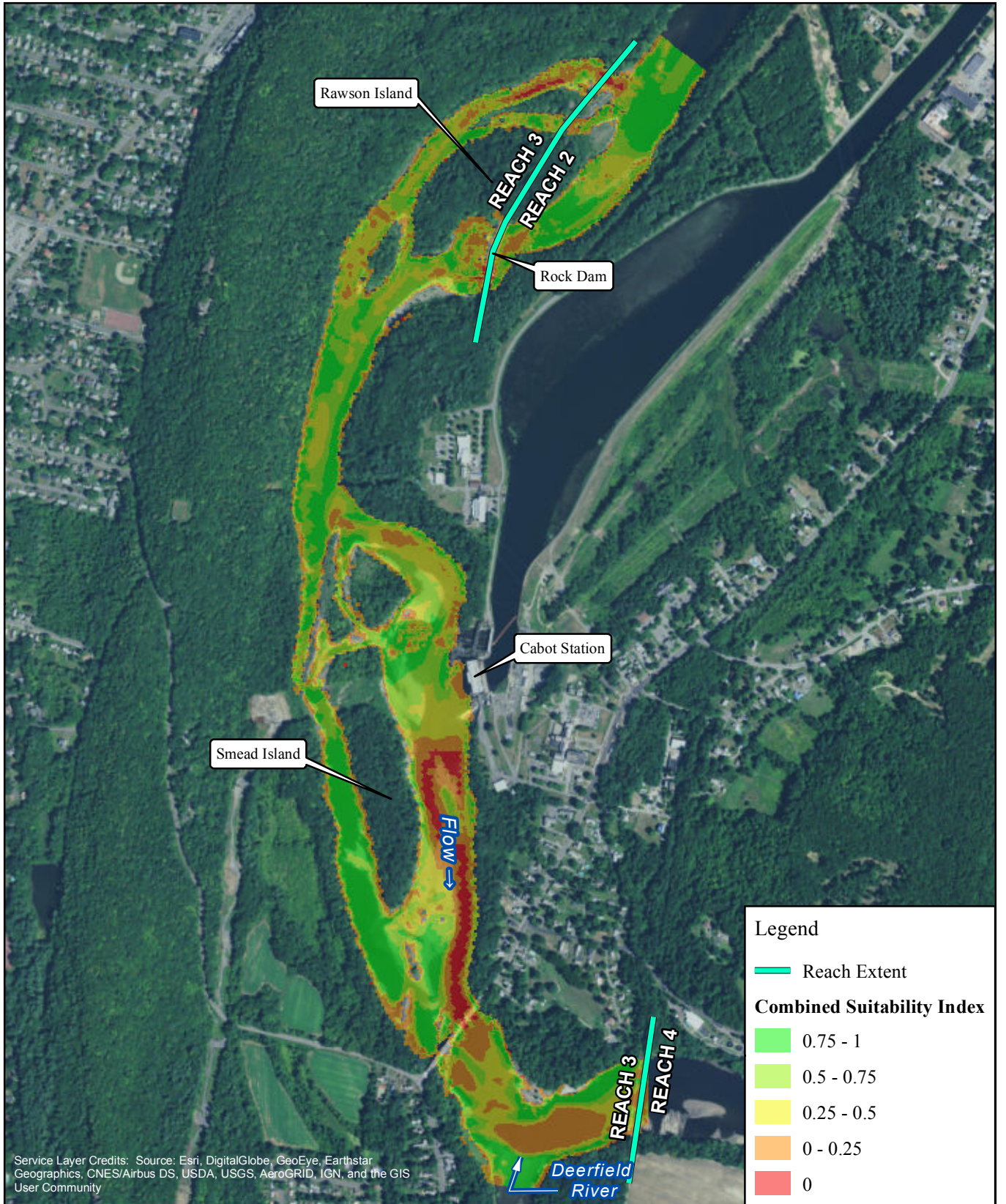


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



American Shad-Juvenile
 Cabot Flow: 4500 cfs
 Bypass Flow: 1000 cfs
 Deerfield Flow: 200 cfs

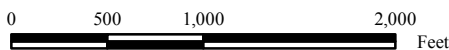
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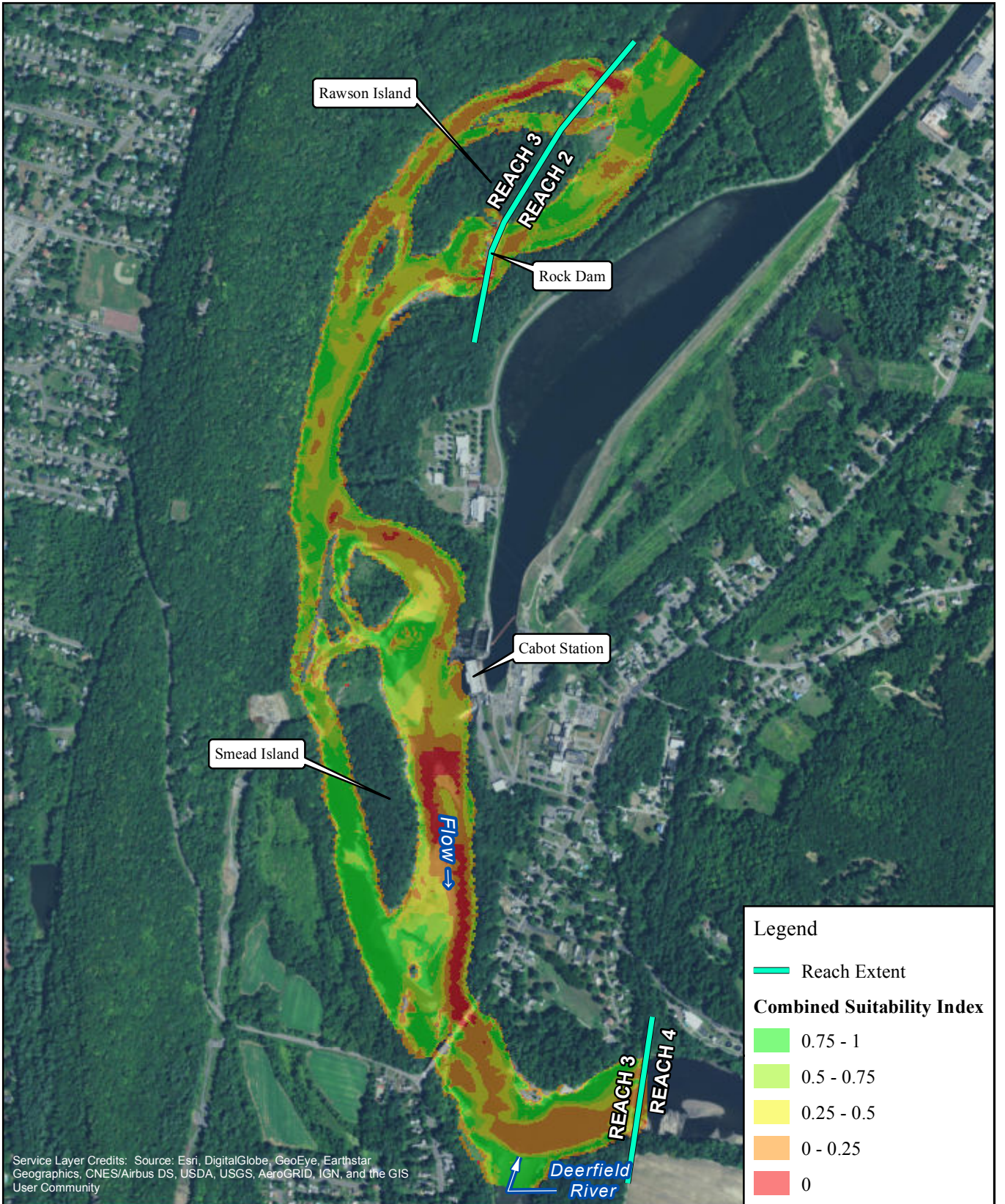


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1

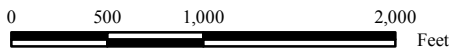


American Shad-Juvenile
 Cabot Flow: 4500 cfs
 Bypass Flow: 3000 cfs
 Deerfield Flow: 200 cfs

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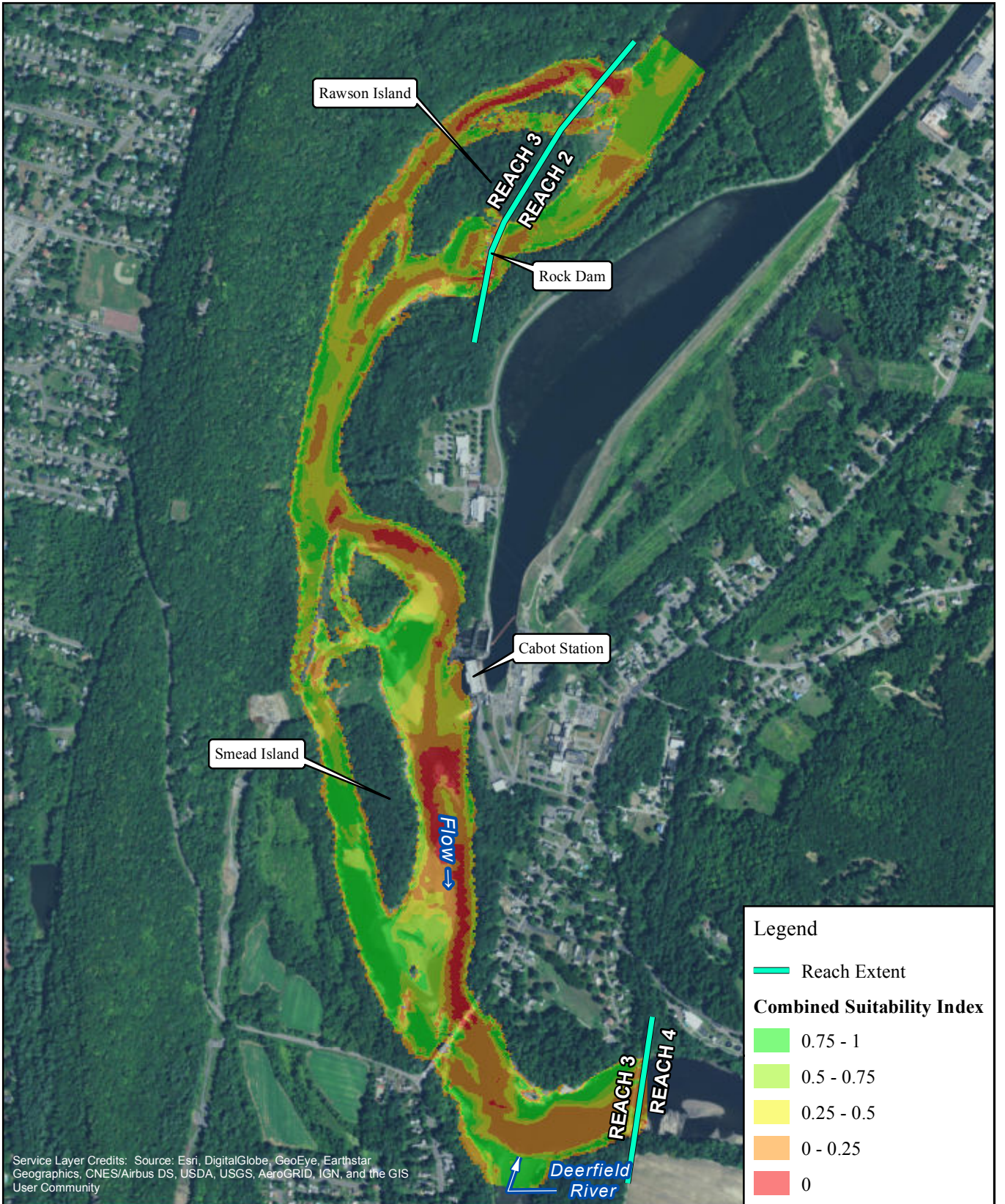


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



American Shad-Juvenile
 Cabot Flow: 4500 cfs
 Bypass Flow: 5000 cfs
 Deerfield Flow: 200 cfs

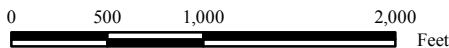
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 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



Legend

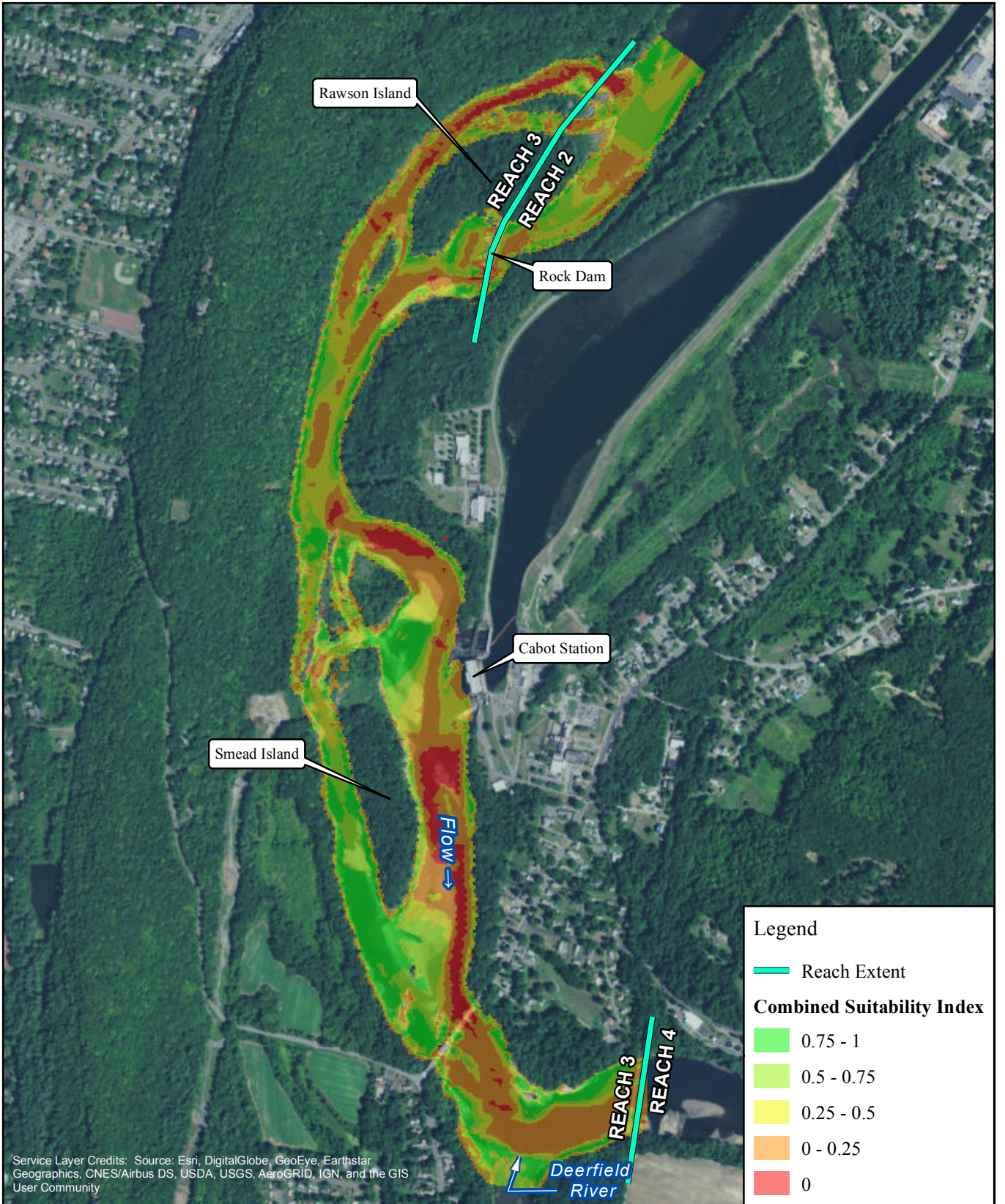
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Combined Suitability Index

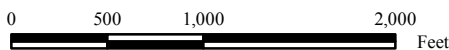
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American Shad-Juvenile
 Cabot Flow: 4500 cfs
 Bypass Flow: 6500 cfs
 Deerfield Flow: 200 cfs

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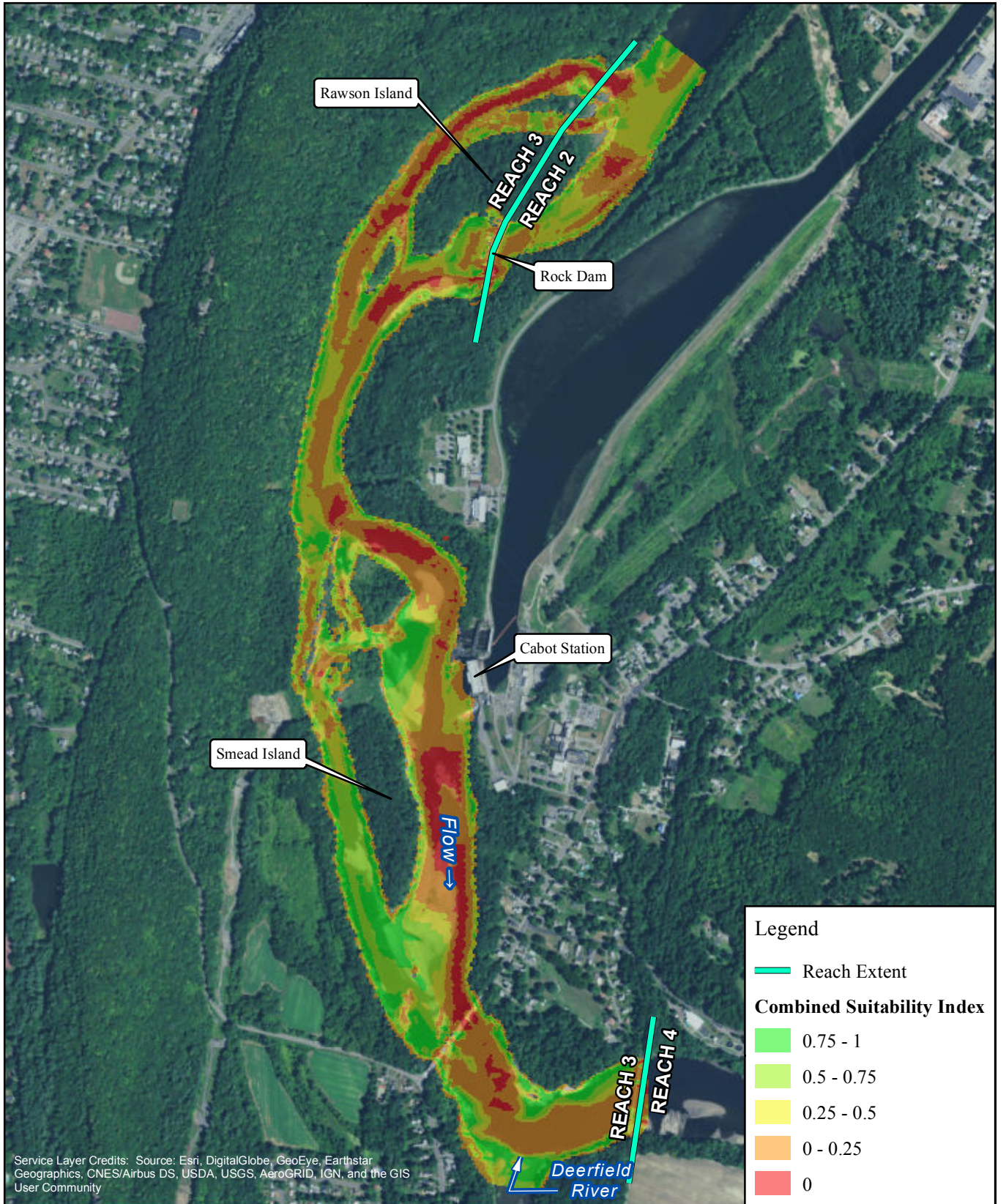


FIRSTLIGHT HYDRO GENERATING COMPANY
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 Turners Falls Hydroelectric Project No. 1889
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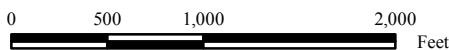


American Shad-Juvenile
 Cabot Flow: 4500 cfs
 Bypass Flow: 8000 cfs
 Deerfield Flow: 200 cfs

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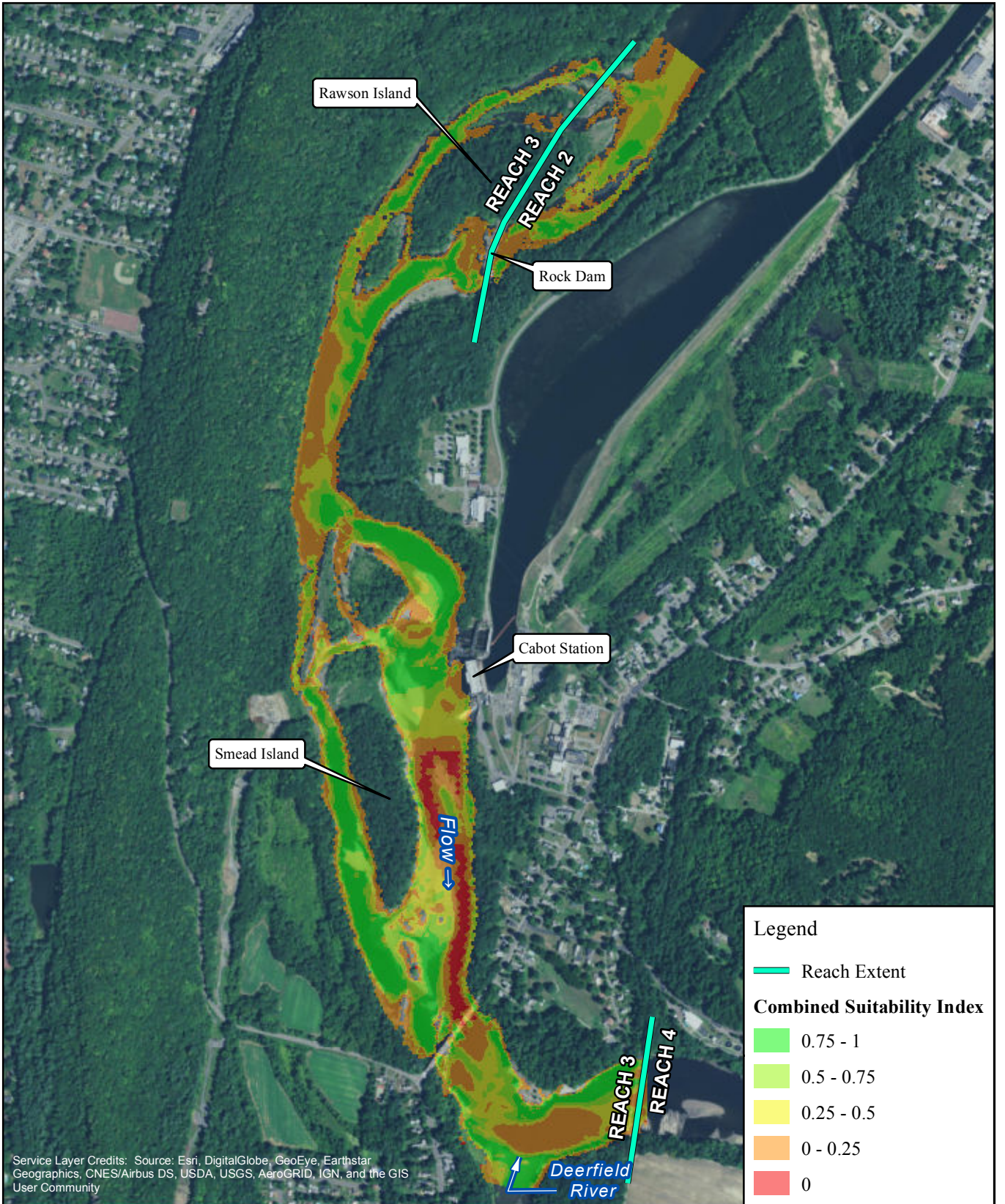


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1

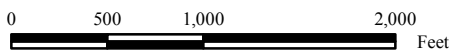


American Shad-Juvenile
 Cabot Flow: 4500 cfs
 Bypass Flow: 10000 cfs
 Deerfield Flow: 200 cfs

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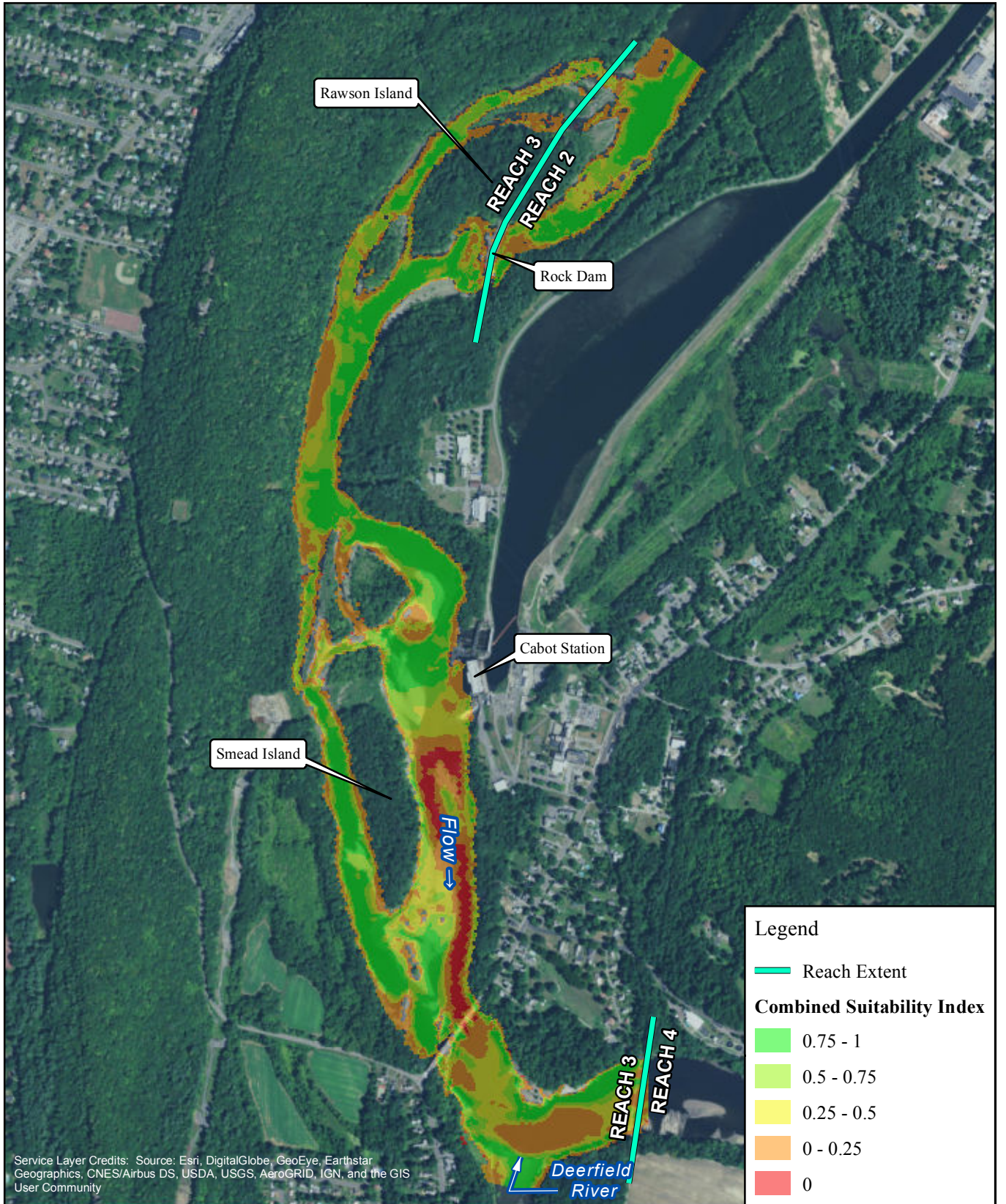


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1

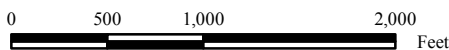


American Shad-Juvenile
 Cabot Flow: 7000 cfs
 Bypass Flow: 200 cfs
 Deerfield Flow: 200 cfs

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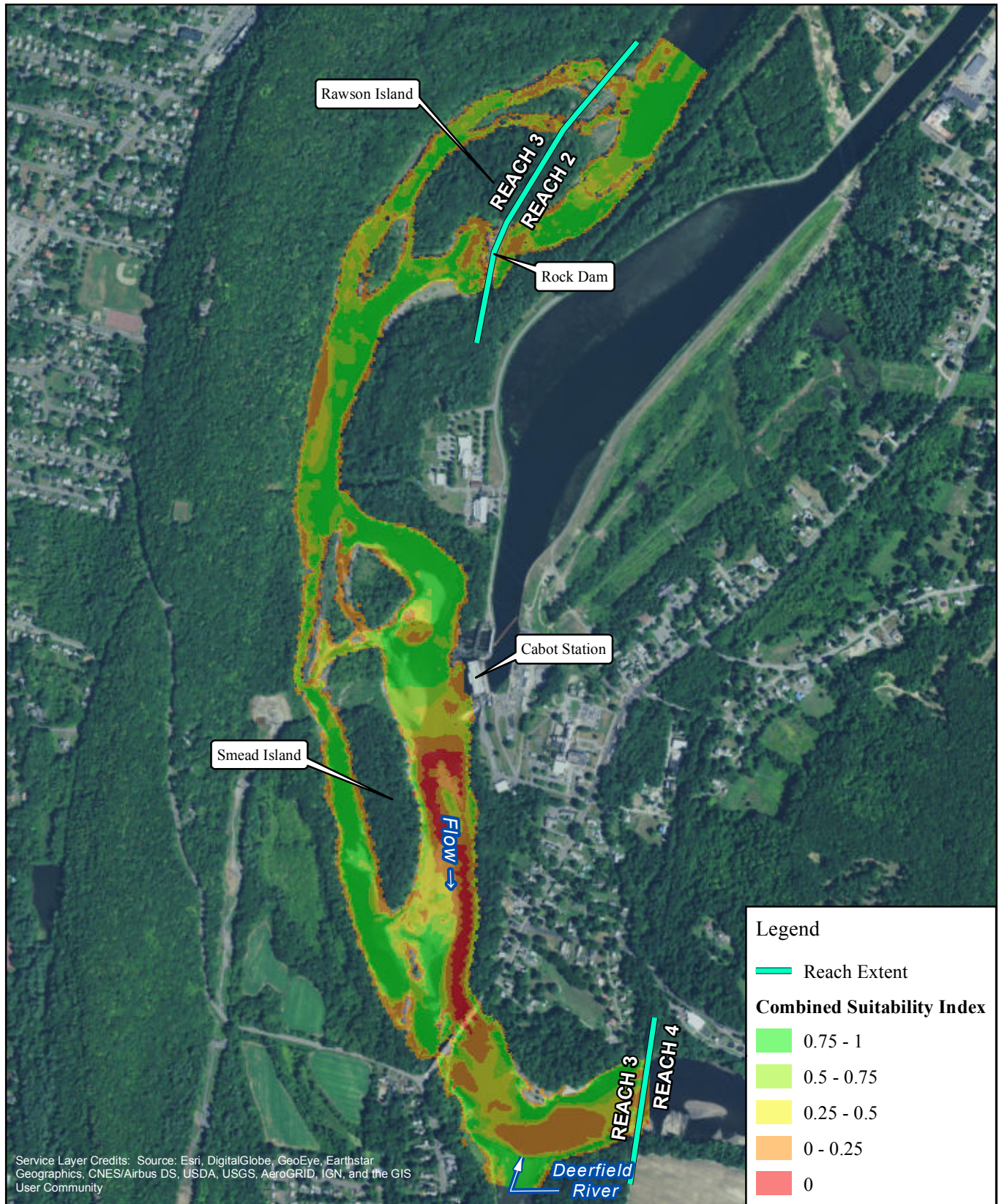


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



American Shad-Juvenile
 Cabot Flow: 7000 cfs
 Bypass Flow: 500 cfs
 Deerfield Flow: 200 cfs

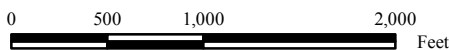
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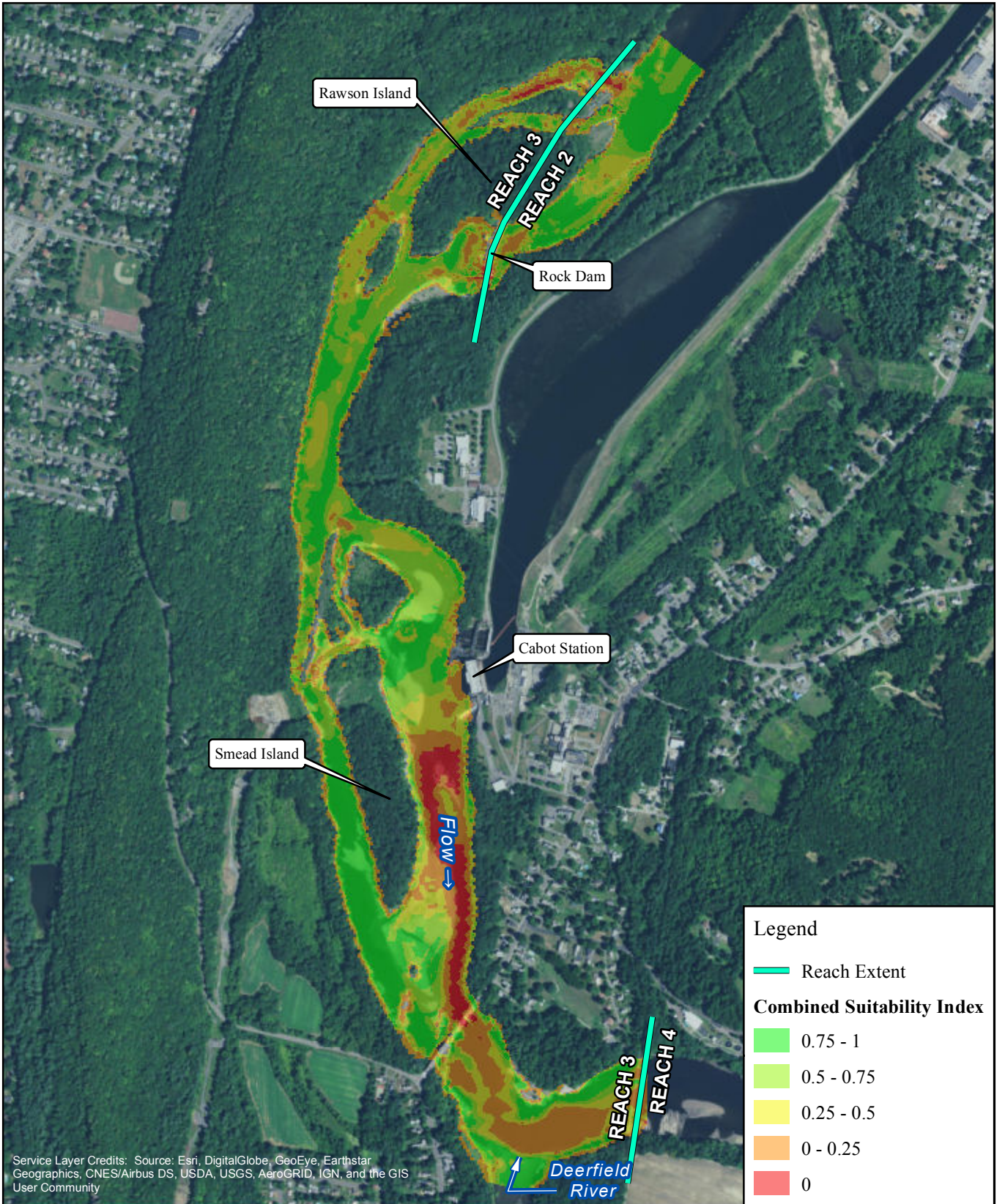


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



American Shad-Juvenile
 Cabot Flow: 7000 cfs
 Bypass Flow: 1000 cfs
 Deerfield Flow: 200 cfs

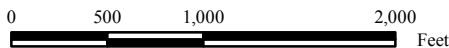
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FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



Legend

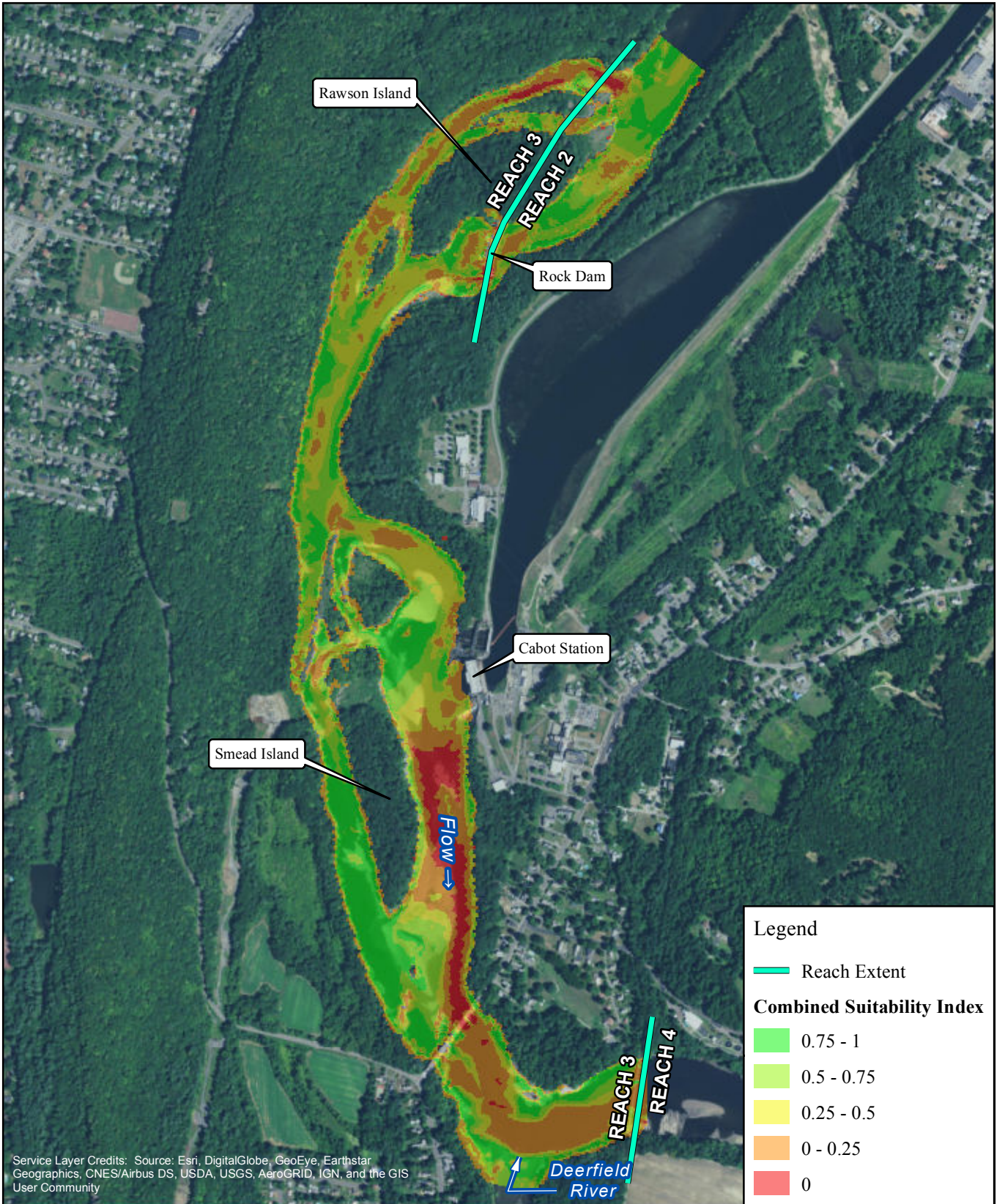
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Combined Suitability Index

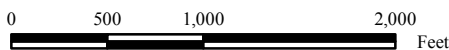
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American Shad-Juvenile
 Cabot Flow: 7000 cfs
 Bypass Flow: 3000 cfs
 Deerfield Flow: 200 cfs

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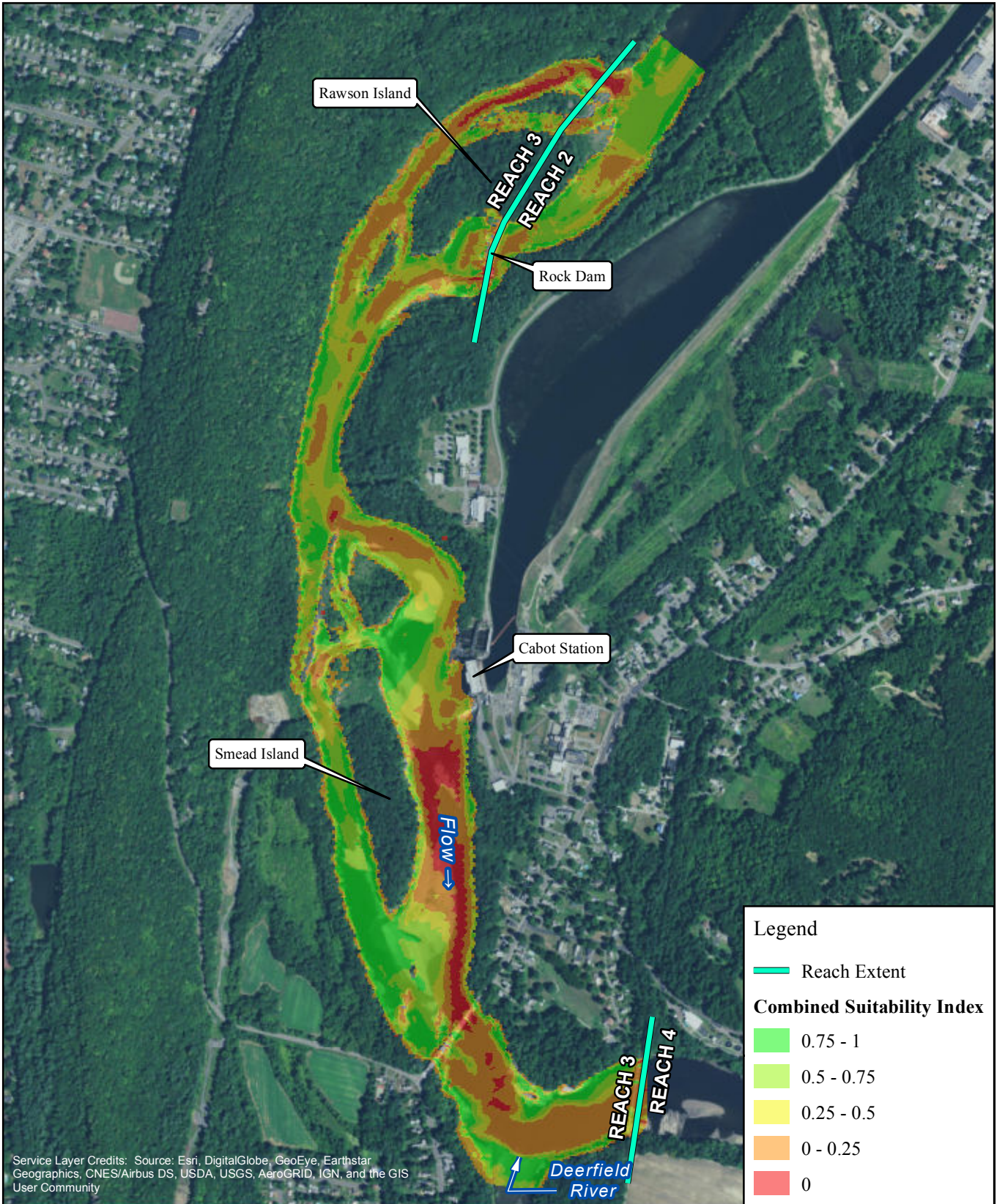


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 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



American Shad-Juvenile
 Cabot Flow: 7000 cfs
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 Deerfield Flow: 200 cfs

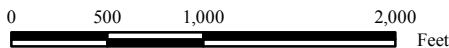
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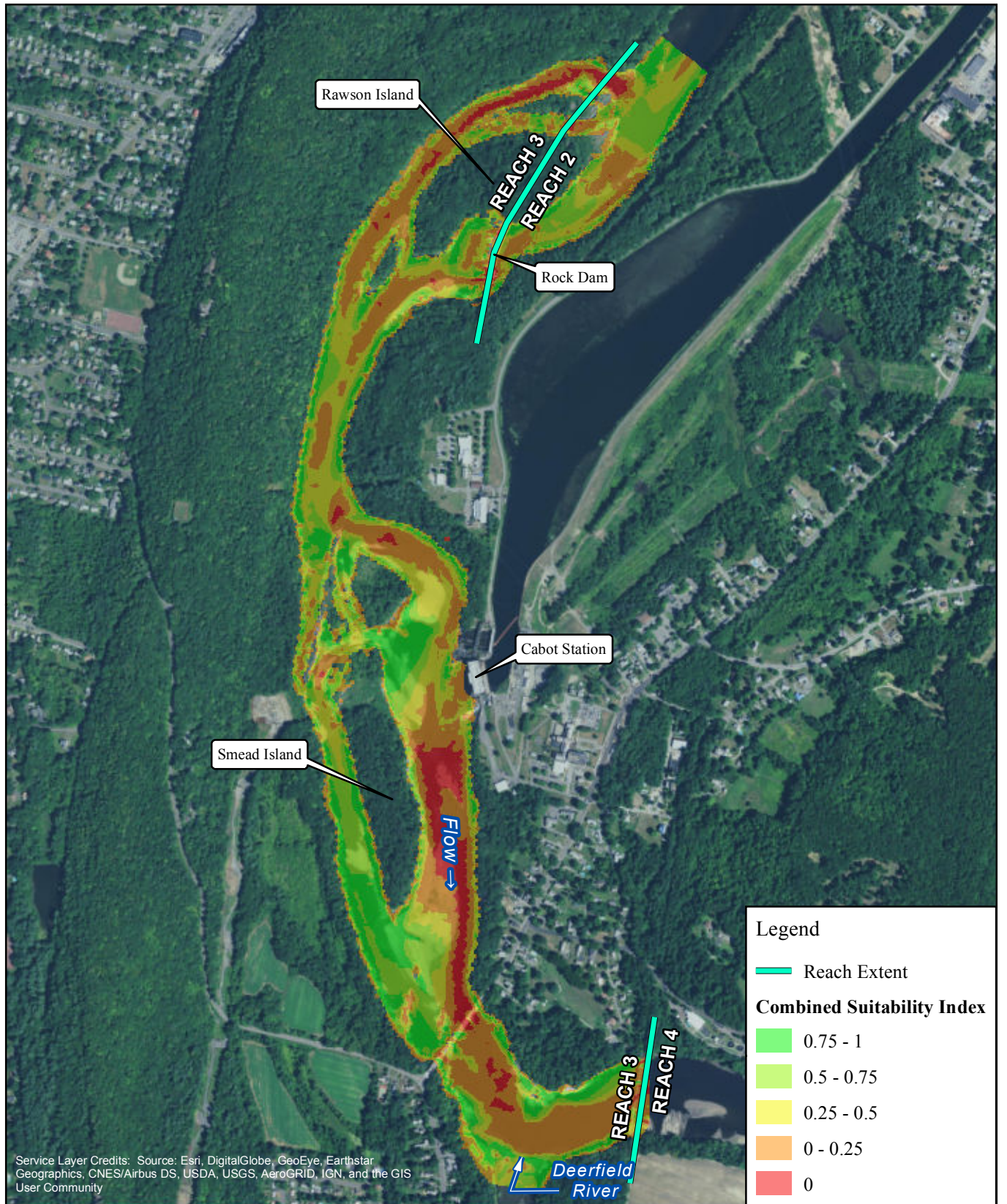


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 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



American Shad-Juvenile
 Cabot Flow: 7000 cfs
 Bypass Flow: 6500 cfs
 Deerfield Flow: 200 cfs

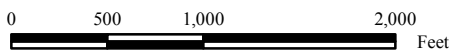
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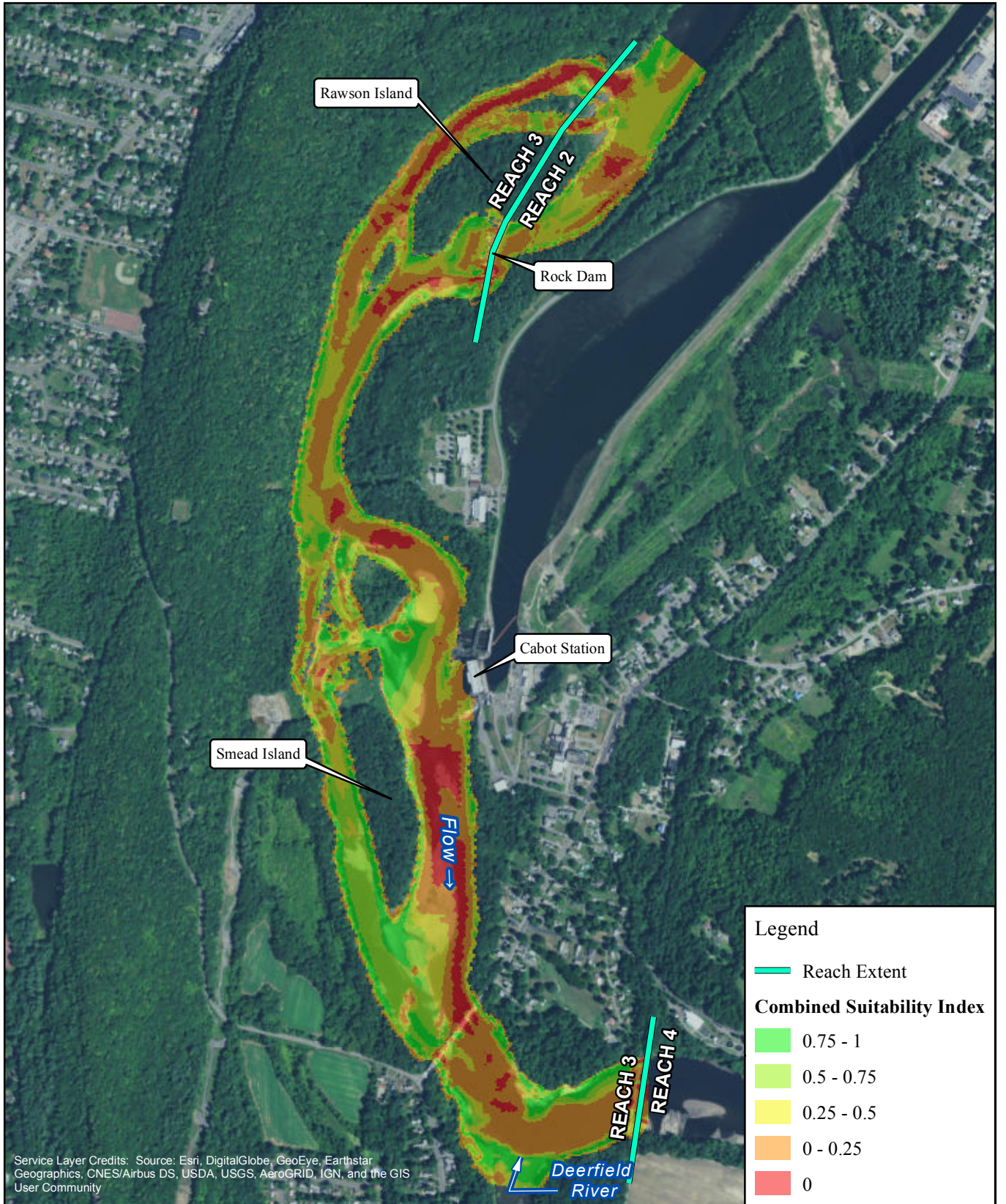


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 Bypass Flow: 8000 cfs
 Deerfield Flow: 200 cfs

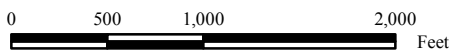
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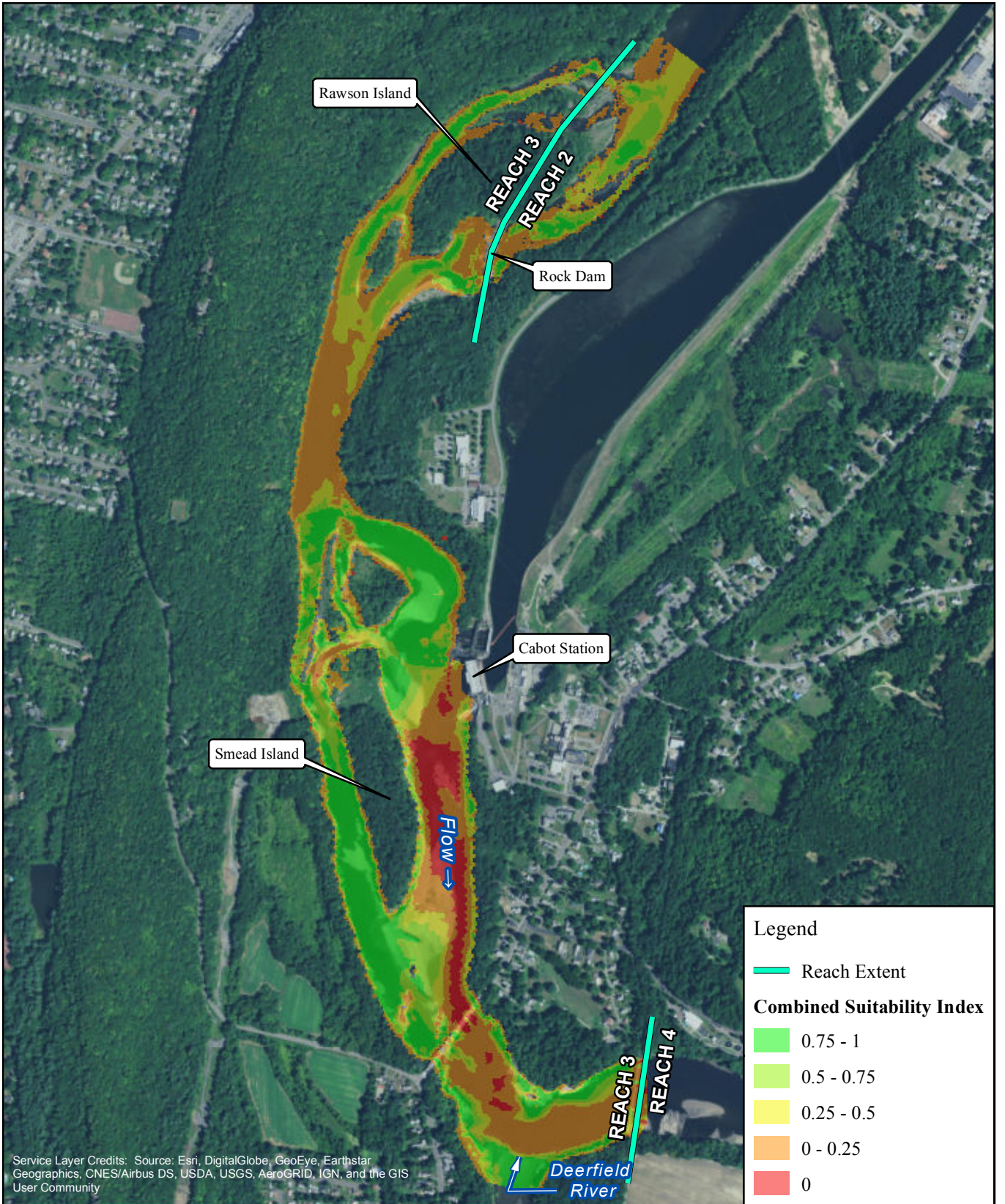


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



American Shad-Juvenile
 Cabot Flow: 7000 cfs
 Bypass Flow: 10000 cfs
 Deerfield Flow: 200 cfs

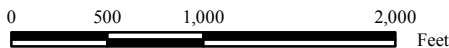
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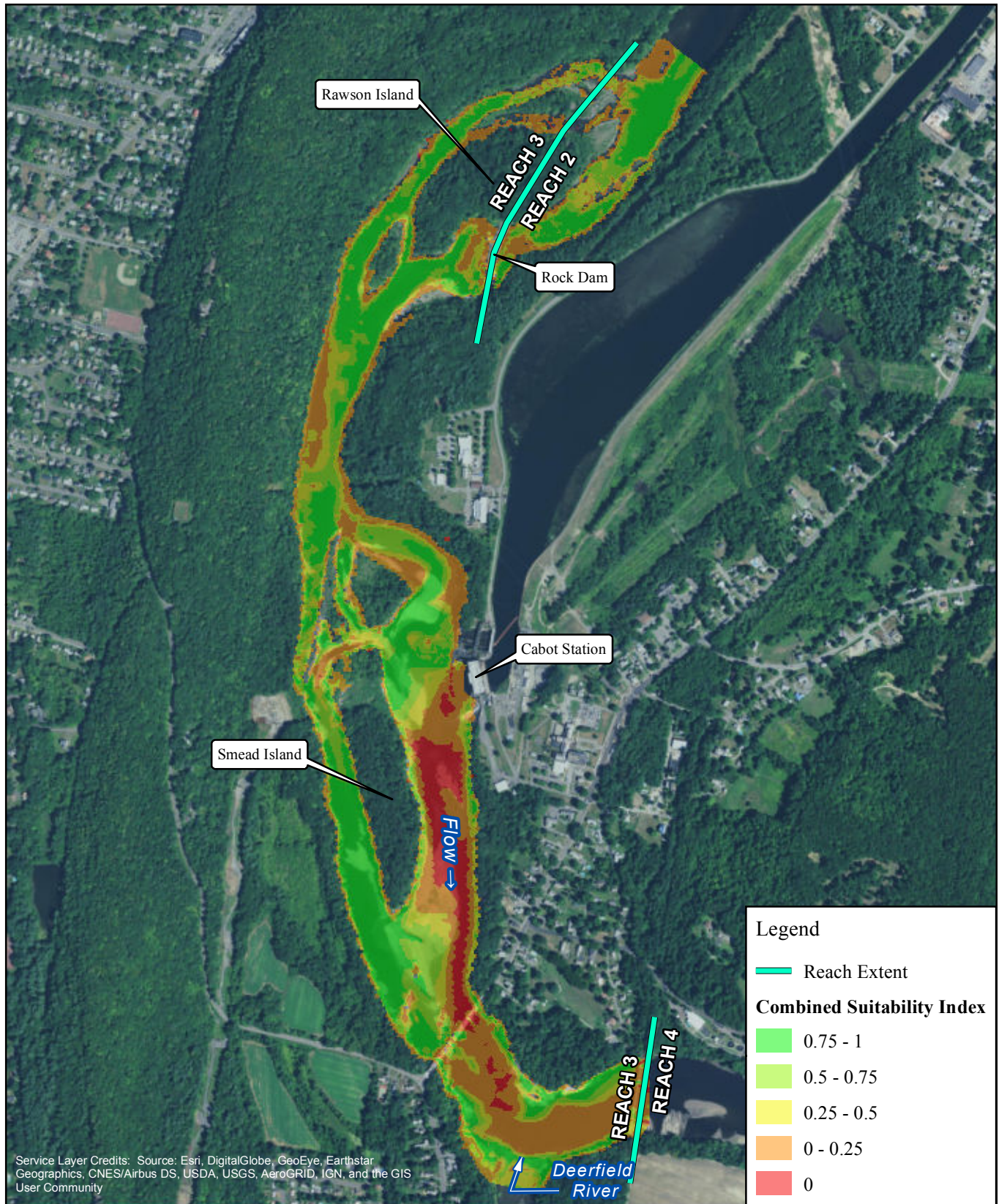


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



American Shad-Juvenile
 Cabot Flow: 14000 cfs
 Bypass Flow: 200 cfs
 Deerfield Flow: 200 cfs

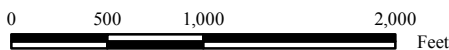
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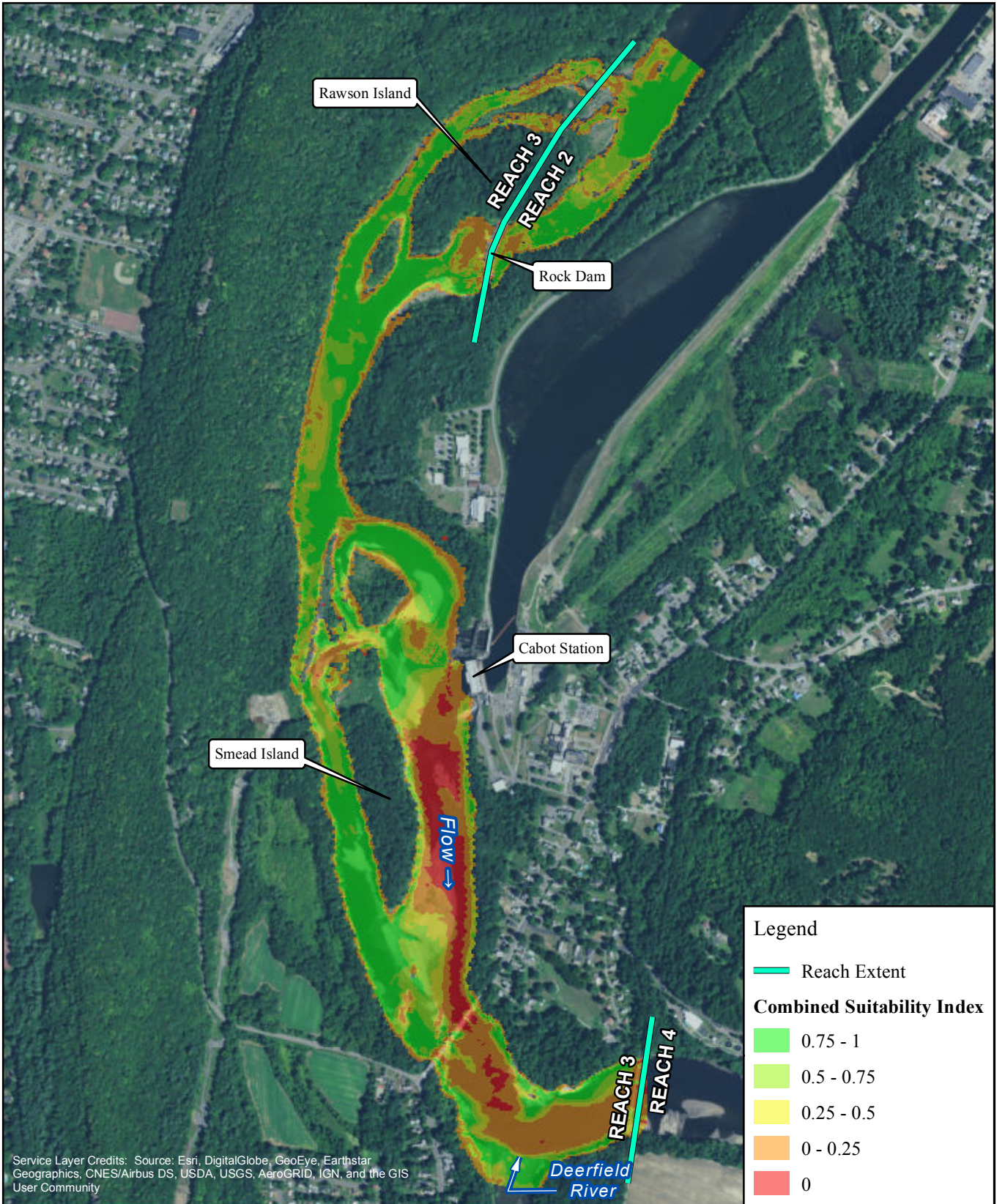


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 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1

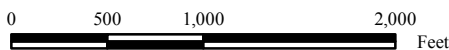


American Shad-Juvenile
 Cabot Flow: 14000 cfs
 Bypass Flow: 500 cfs
 Deerfield Flow: 200 cfs

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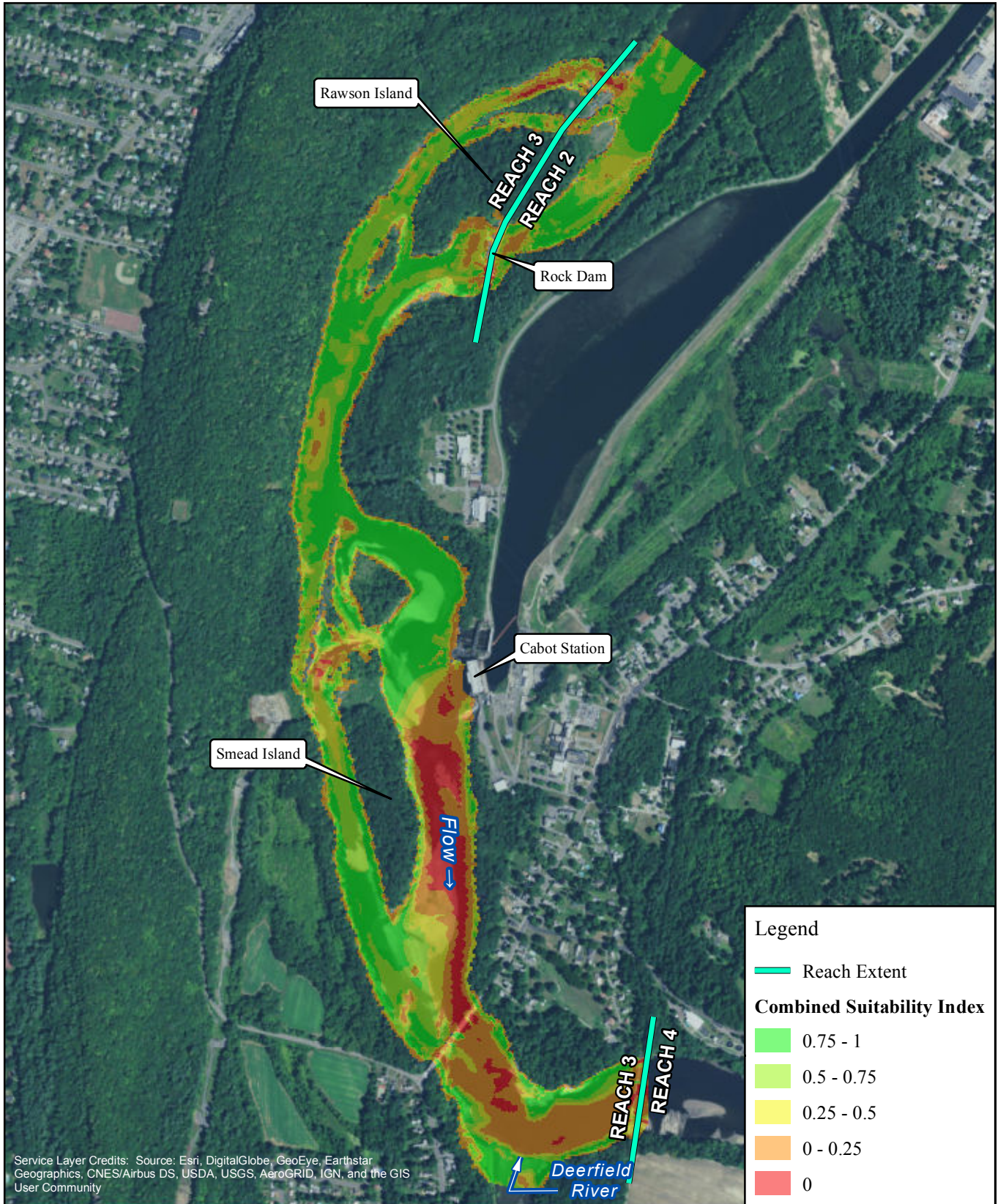


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 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1

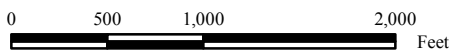


American Shad-Juvenile
 Cabot Flow: 14000 cfs
 Bypass Flow: 1000 cfs
 Deerfield Flow: 200 cfs

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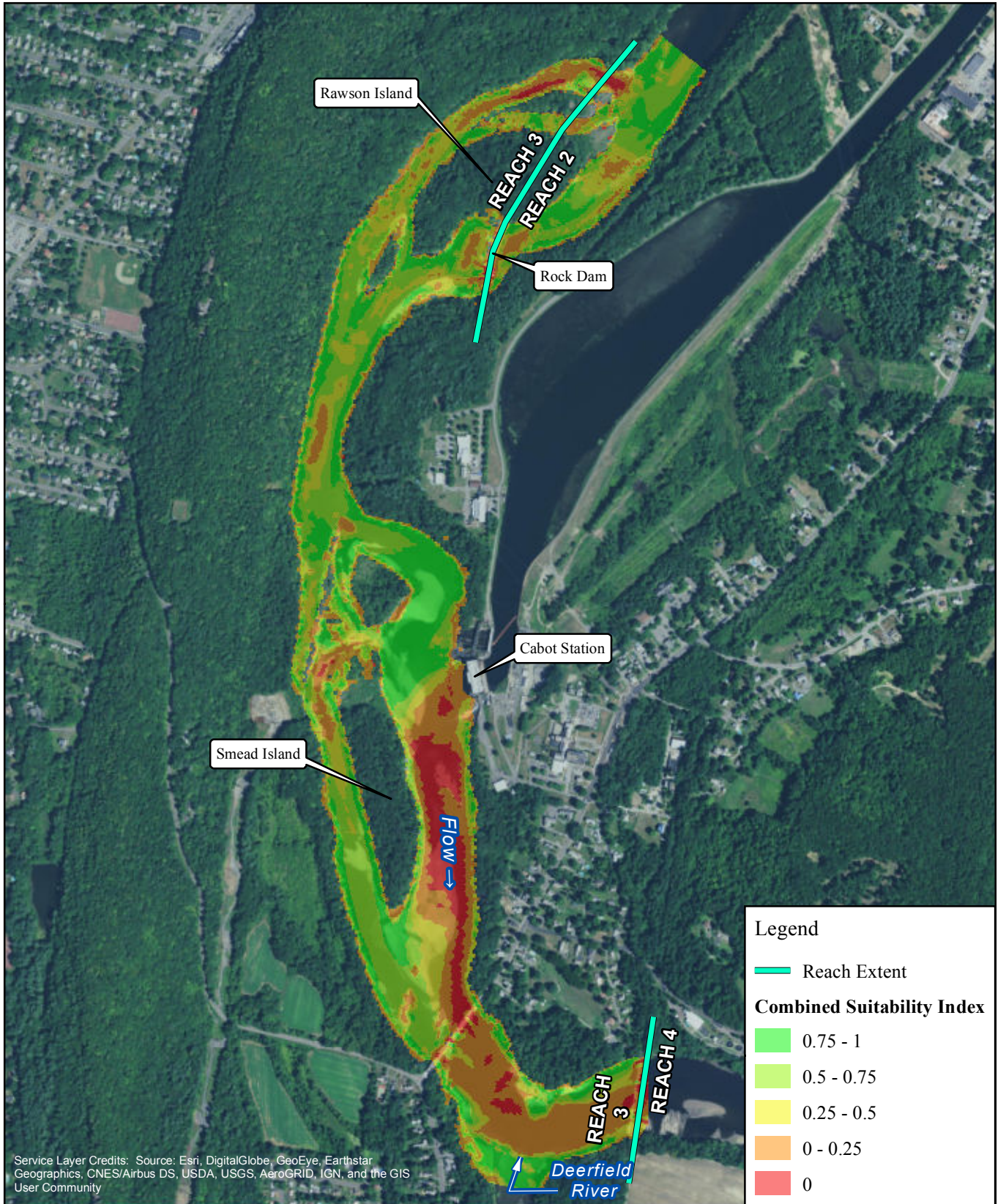


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1

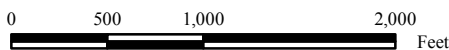


American Shad-Juvenile
 Cabot Flow: 14000 cfs
 Bypass Flow: 3000 cfs
 Deerfield Flow: 200 cfs

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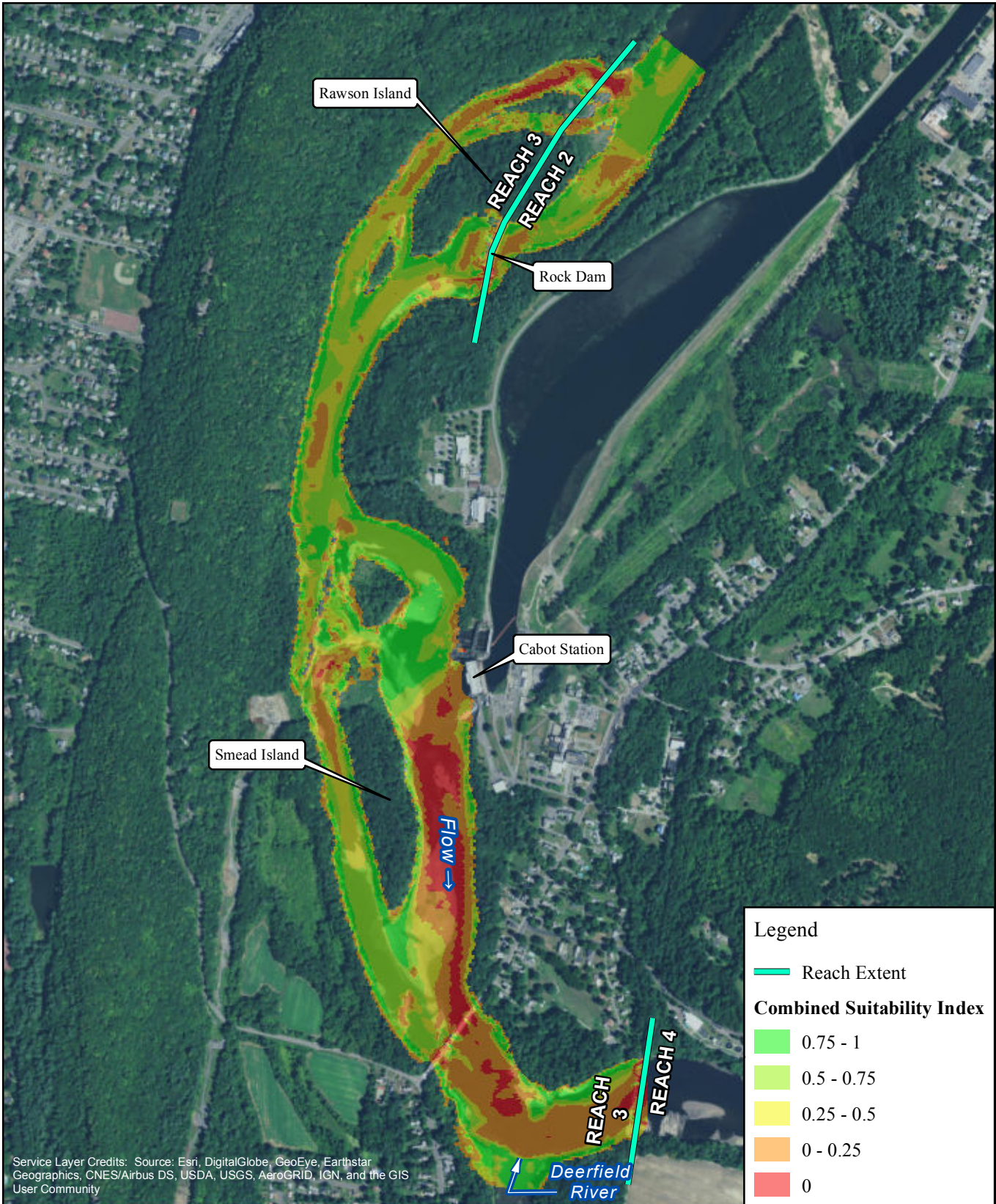


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



American Shad-Juvenile
 Cabot Flow: 14000 cfs
 Bypass Flow: 5000 cfs
 Deerfield Flow: 200 cfs

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Legend

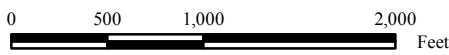
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Combined Suitability Index

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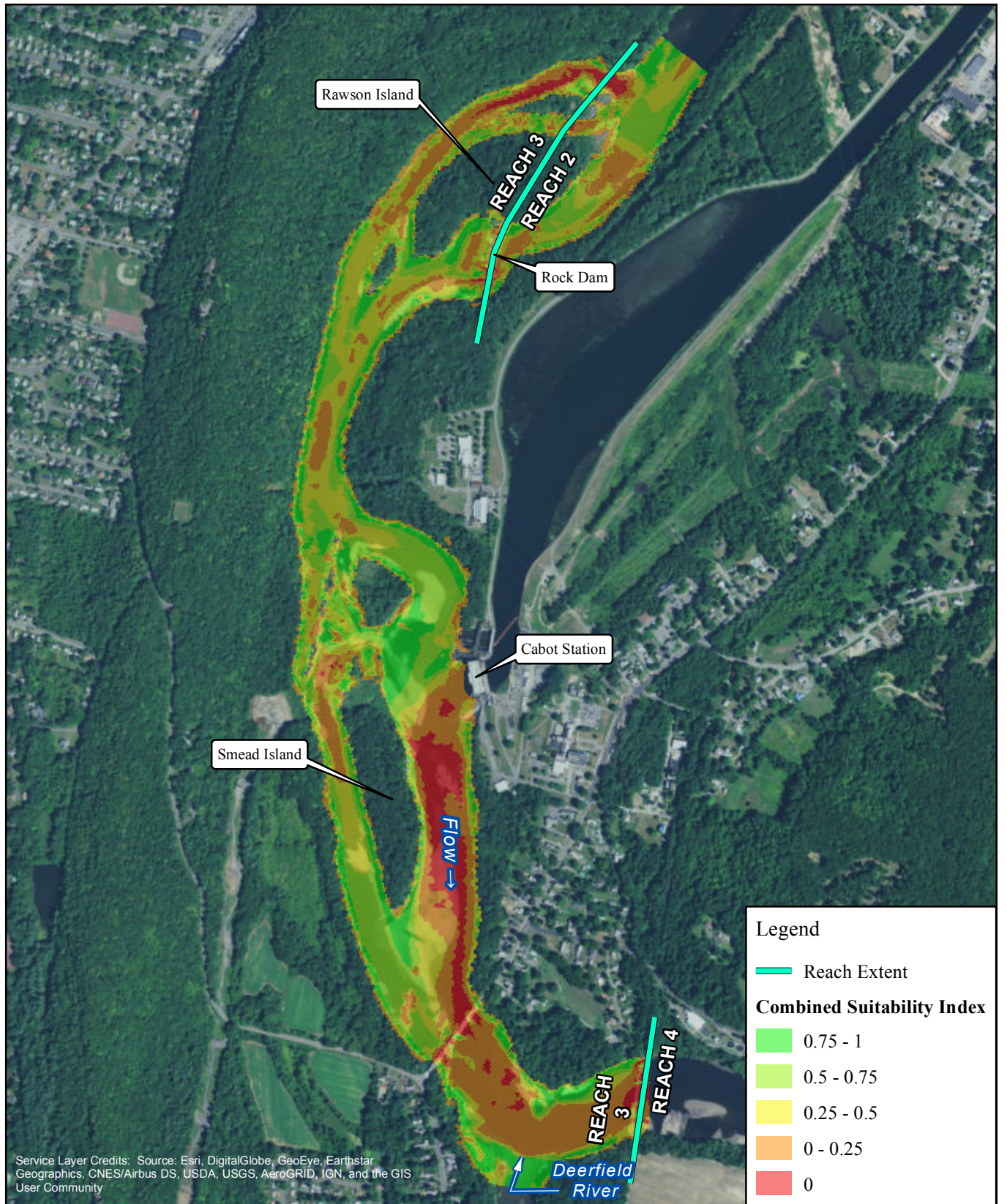


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
RELICENSING STUDY 3.3.1

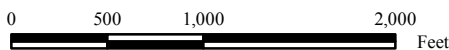


American Shad-Juvenile
 Cabot Flow: 14000 cfs
 Bypass Flow: 6500 cfs
 Deerfield Flow: 200 cfs

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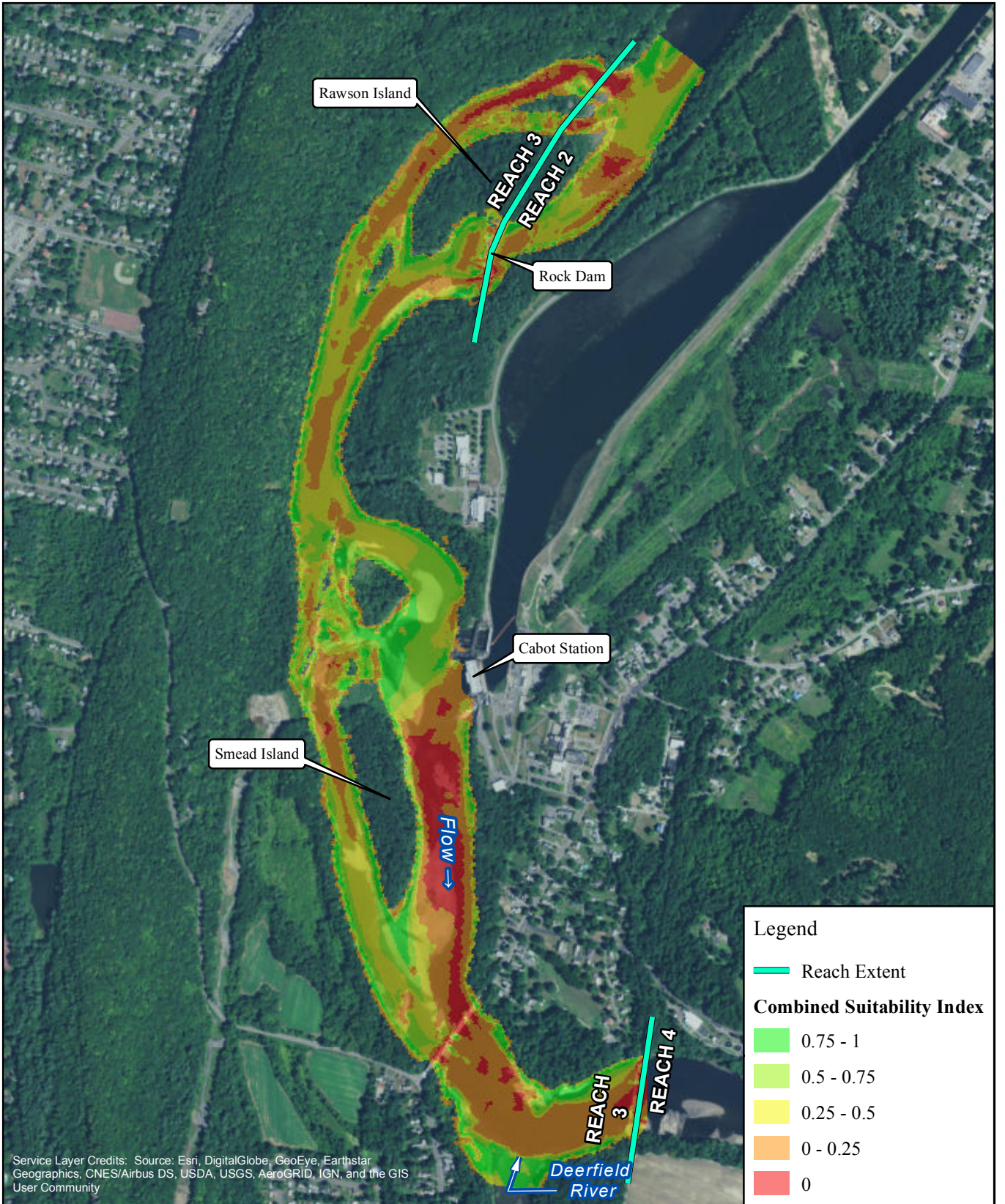


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1

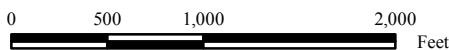


American Shad-Juvenile
 Cabot Flow: 14000 cfs
 Bypass Flow: 8000 cfs
 Deerfield Flow: 200 cfs

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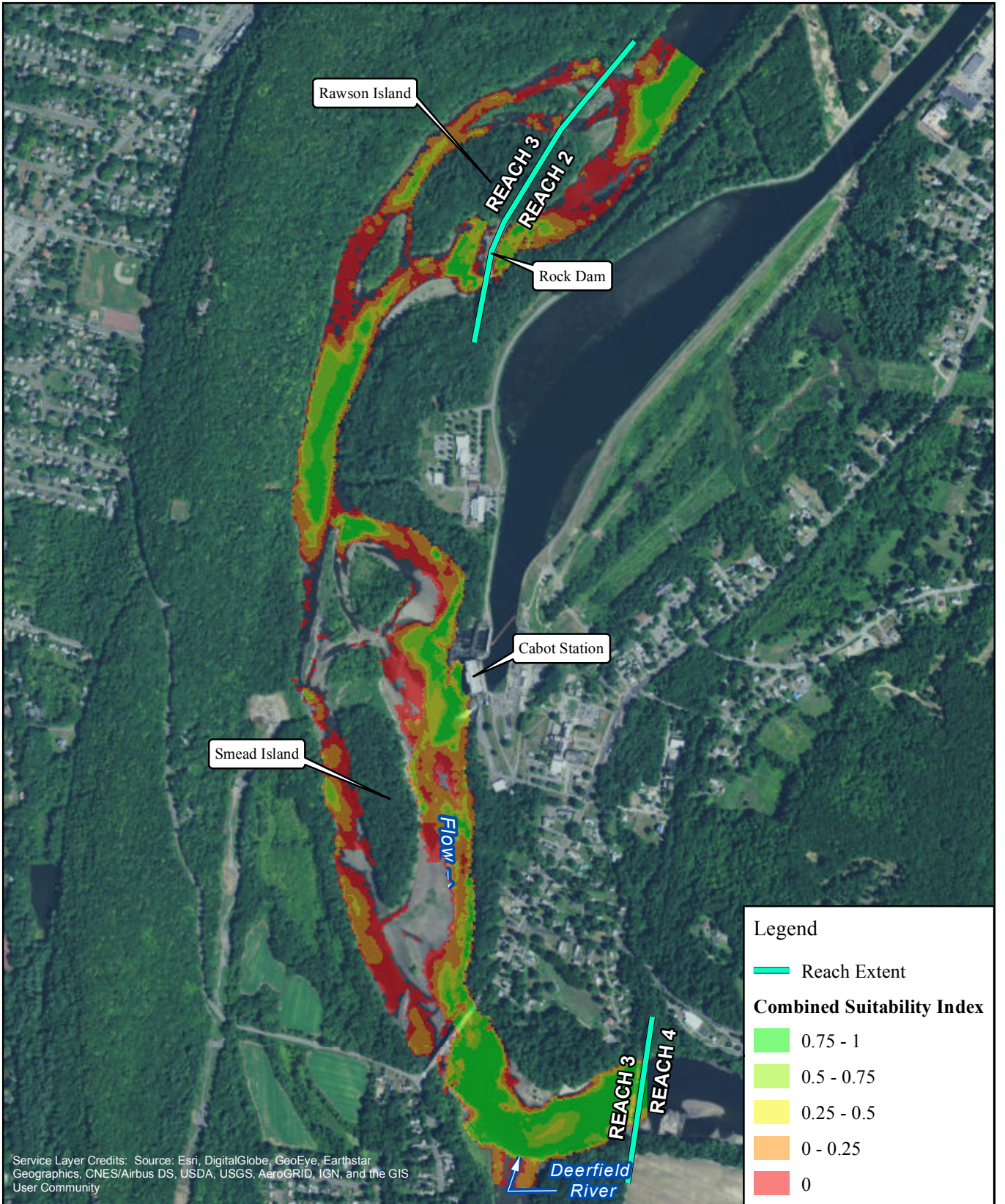


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1

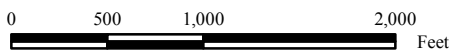


American Shad-Juvenile
 Cabot Flow: 14000 cfs
 Bypass Flow: 10000 cfs
 Deerfield Flow: 200 cfs

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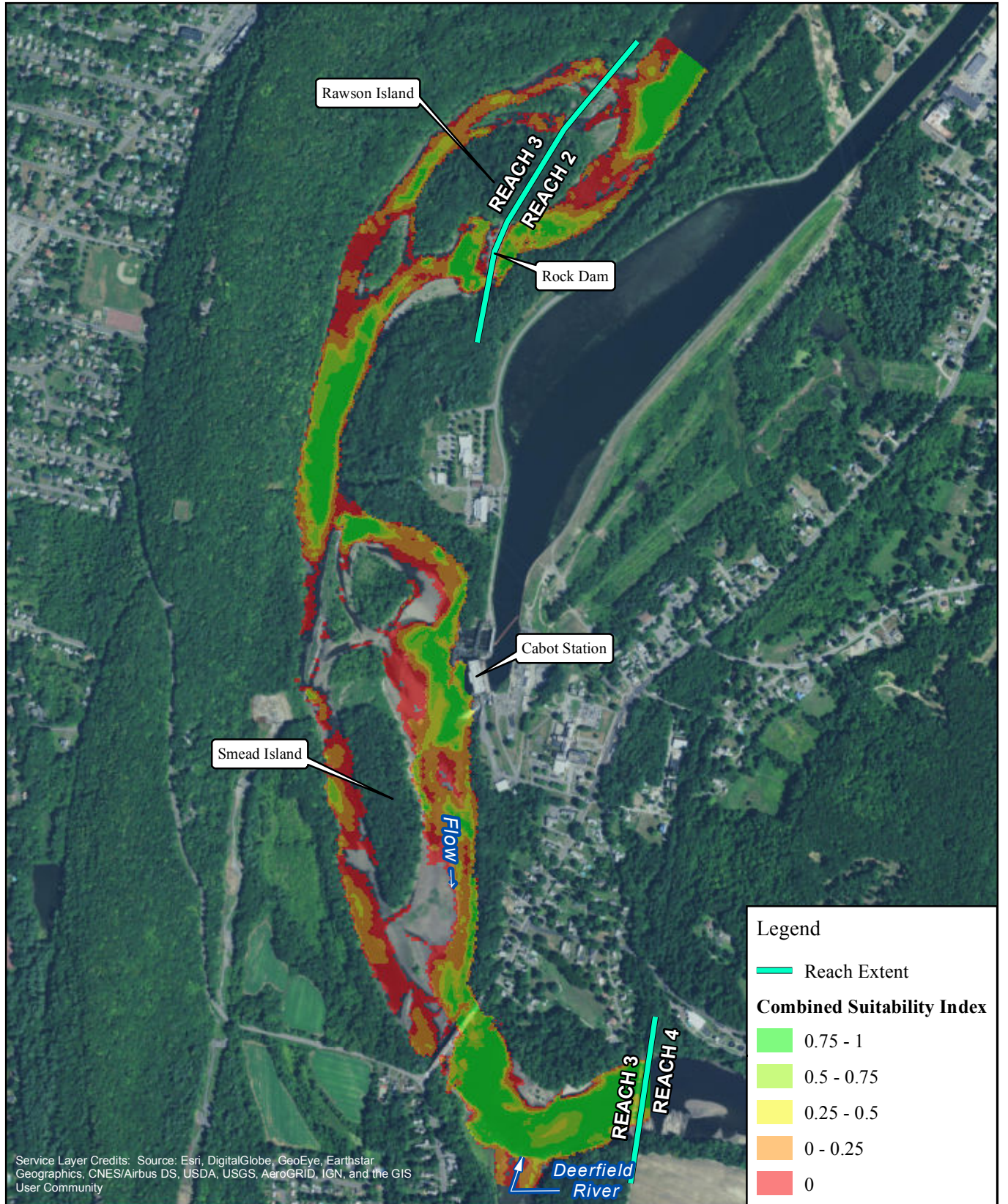


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



American Shad-Adult
 Cabot Flow: 2500 cfs
 Bypass Flow: 200 cfs
 Deerfield Flow: 200 cfs

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Legend

- Reach Extent

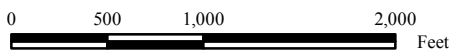
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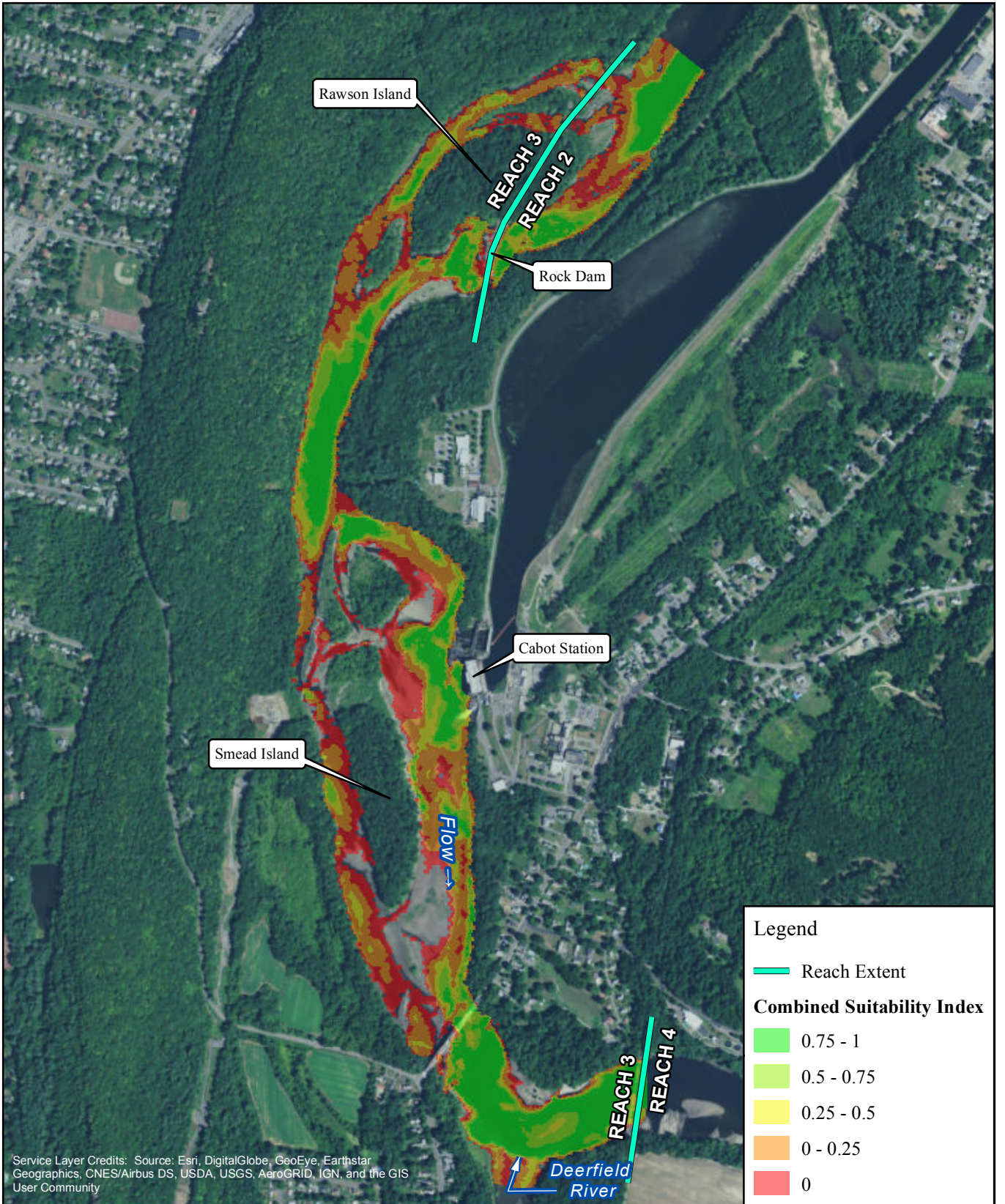
FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889

RELICENSING STUDY 3.3.1



American Shad-Adult
 Cabot Flow: 2500 cfs
 Bypass Flow: 500 cfs
 Deerfield Flow: 200 cfs

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Legend

- Reach Extent

Combined Suitability Index

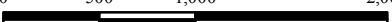
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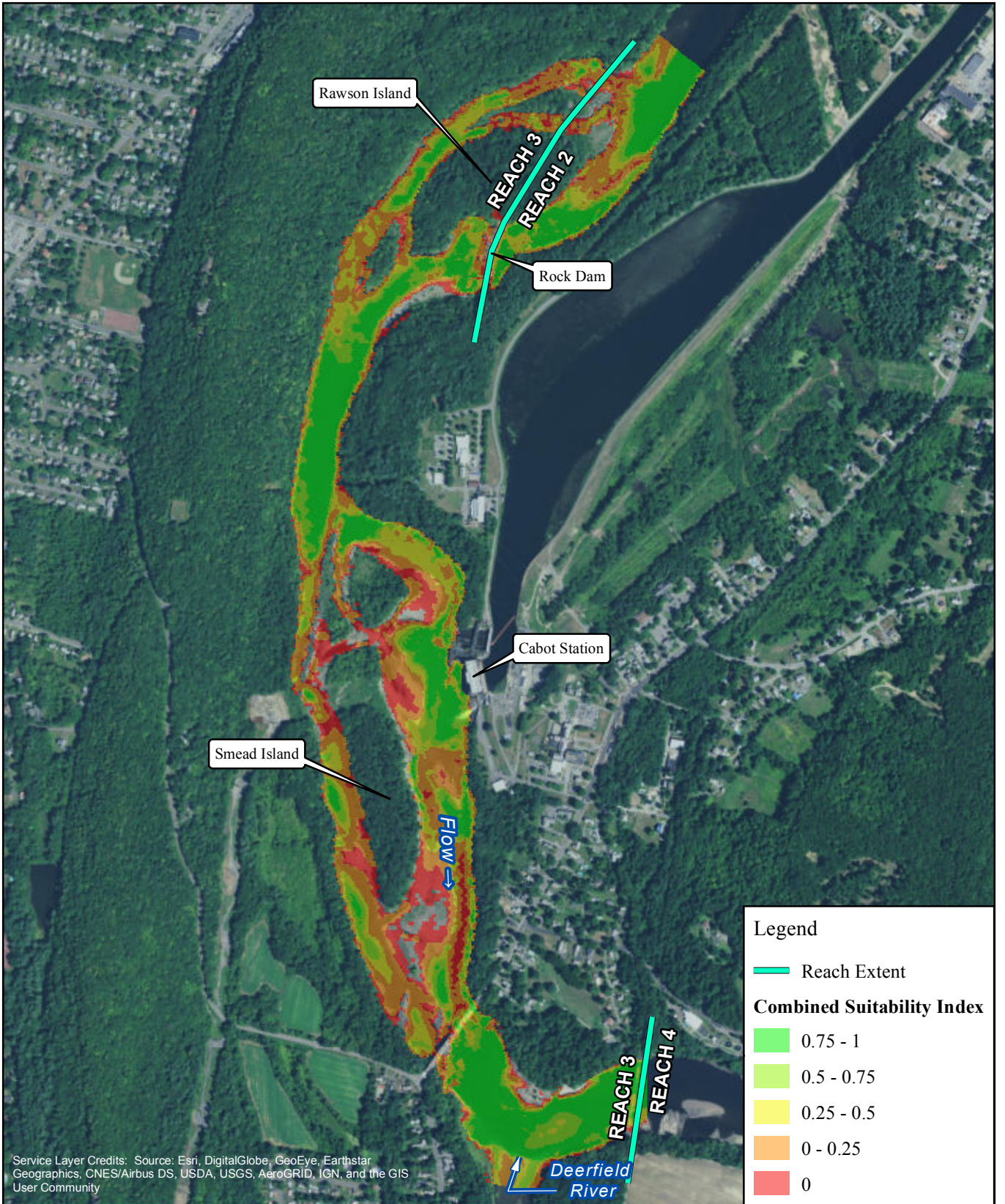
FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
RELICENSING STUDY 3.3.1

American Shad-Adult
 Cabot Flow: 2500 cfs
 Bypass Flow: 1000 cfs
 Deerfield Flow: 200 cfs

0 500 1,000 2,000 Feet



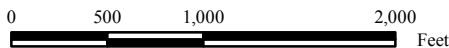
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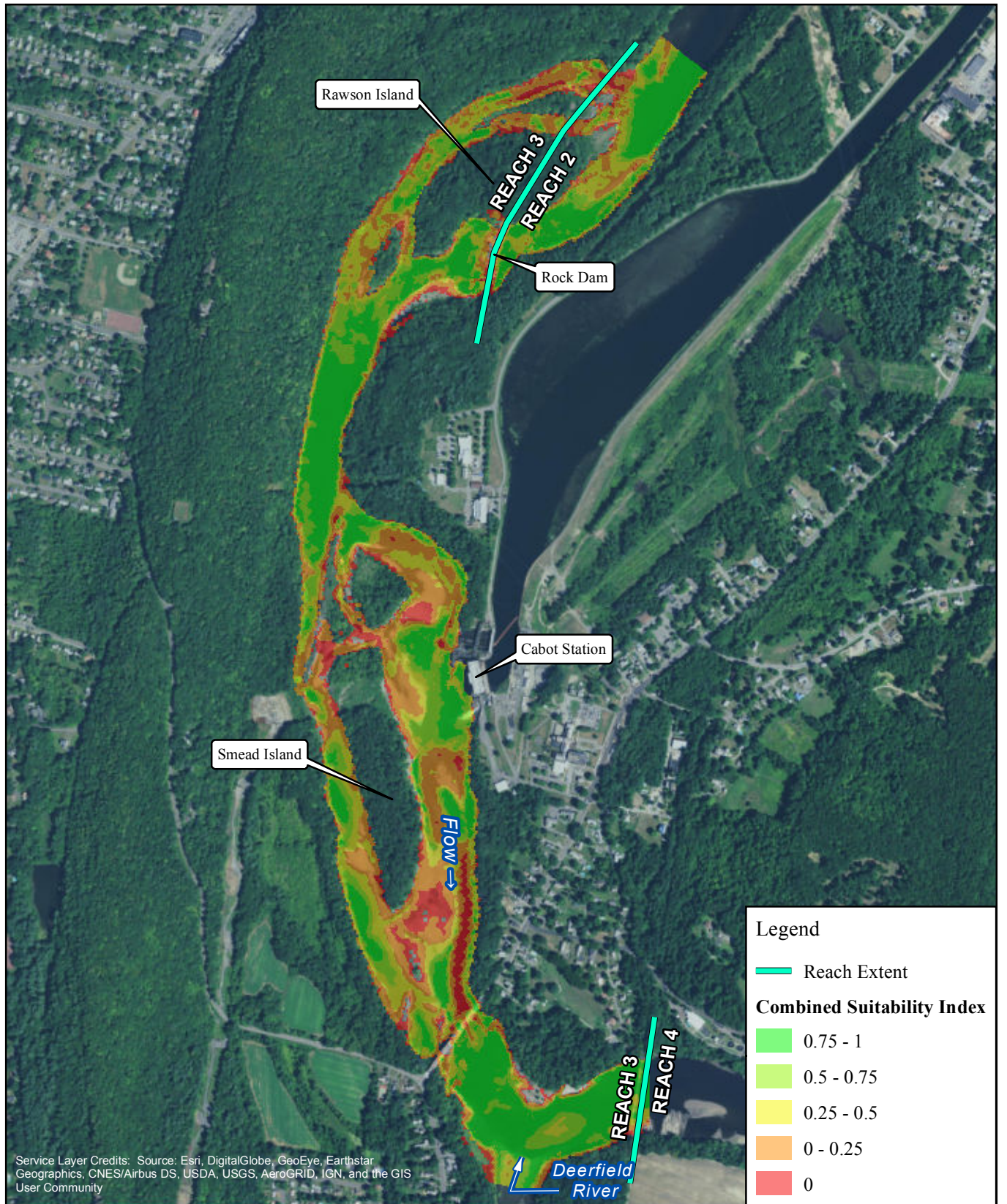


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
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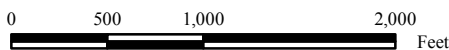


American Shad-Adult
 Cabot Flow: 2500 cfs
 Bypass Flow: 3000 cfs
 Deerfield Flow: 200 cfs

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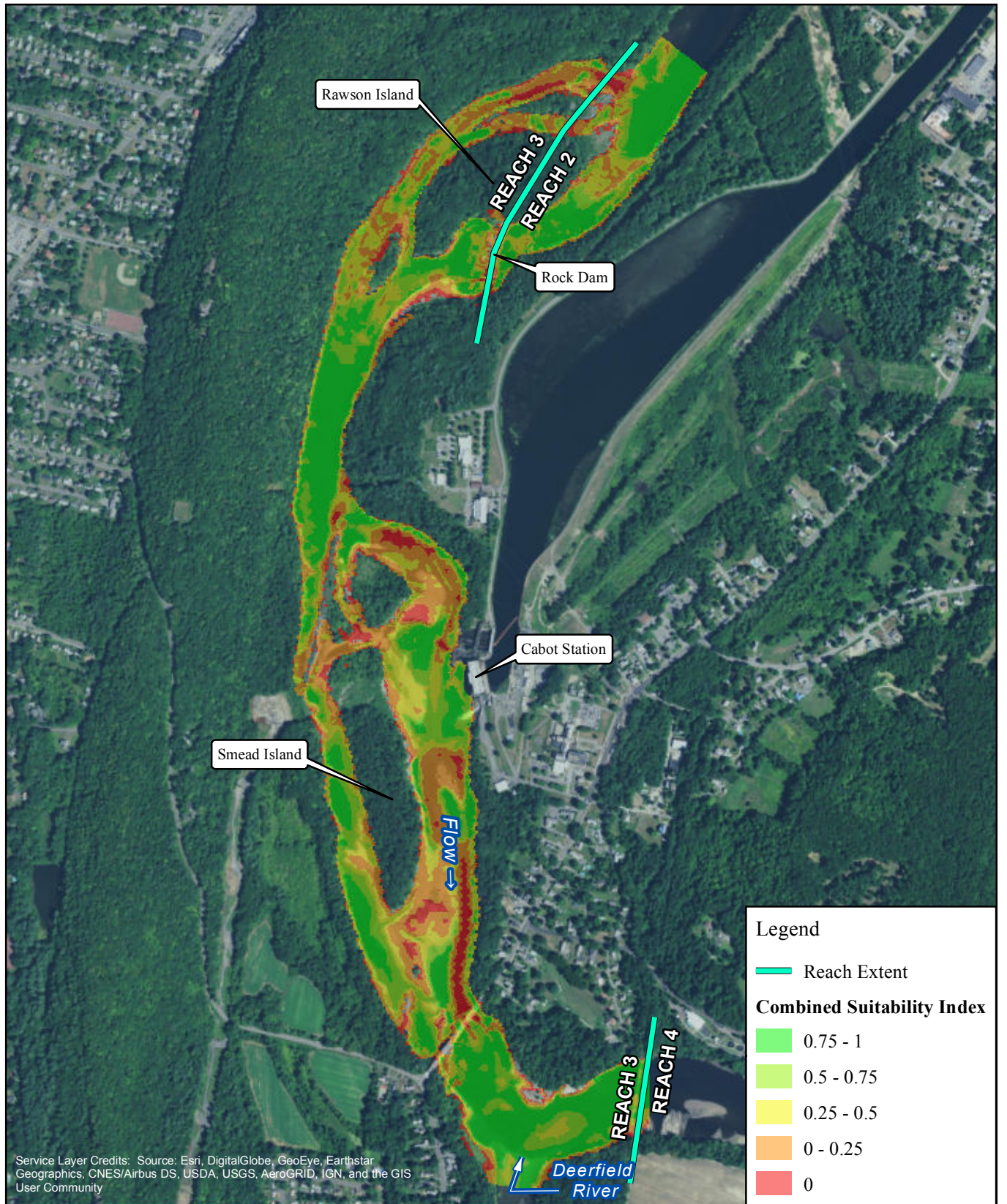


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



American Shad-Adult
 Cabot Flow: 2500 cfs
 Bypass Flow: 5000 cfs
 Deerfield Flow: 200 cfs

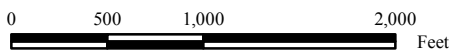
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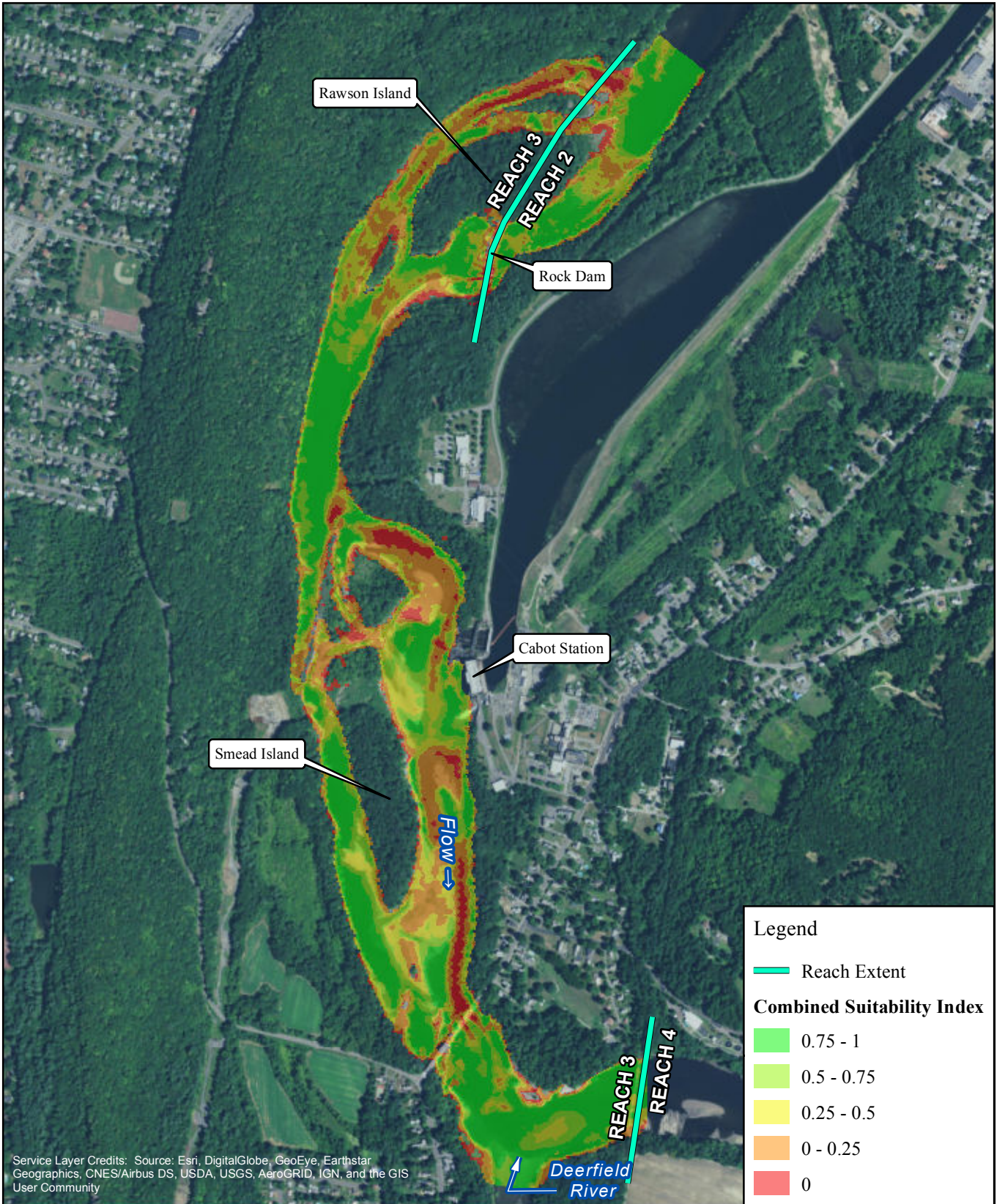


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1

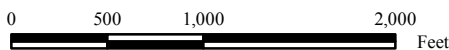


American Shad-Adult
 Cabot Flow: 2500 cfs
 Bypass Flow: 6500 cfs
 Deerfield Flow: 200 cfs

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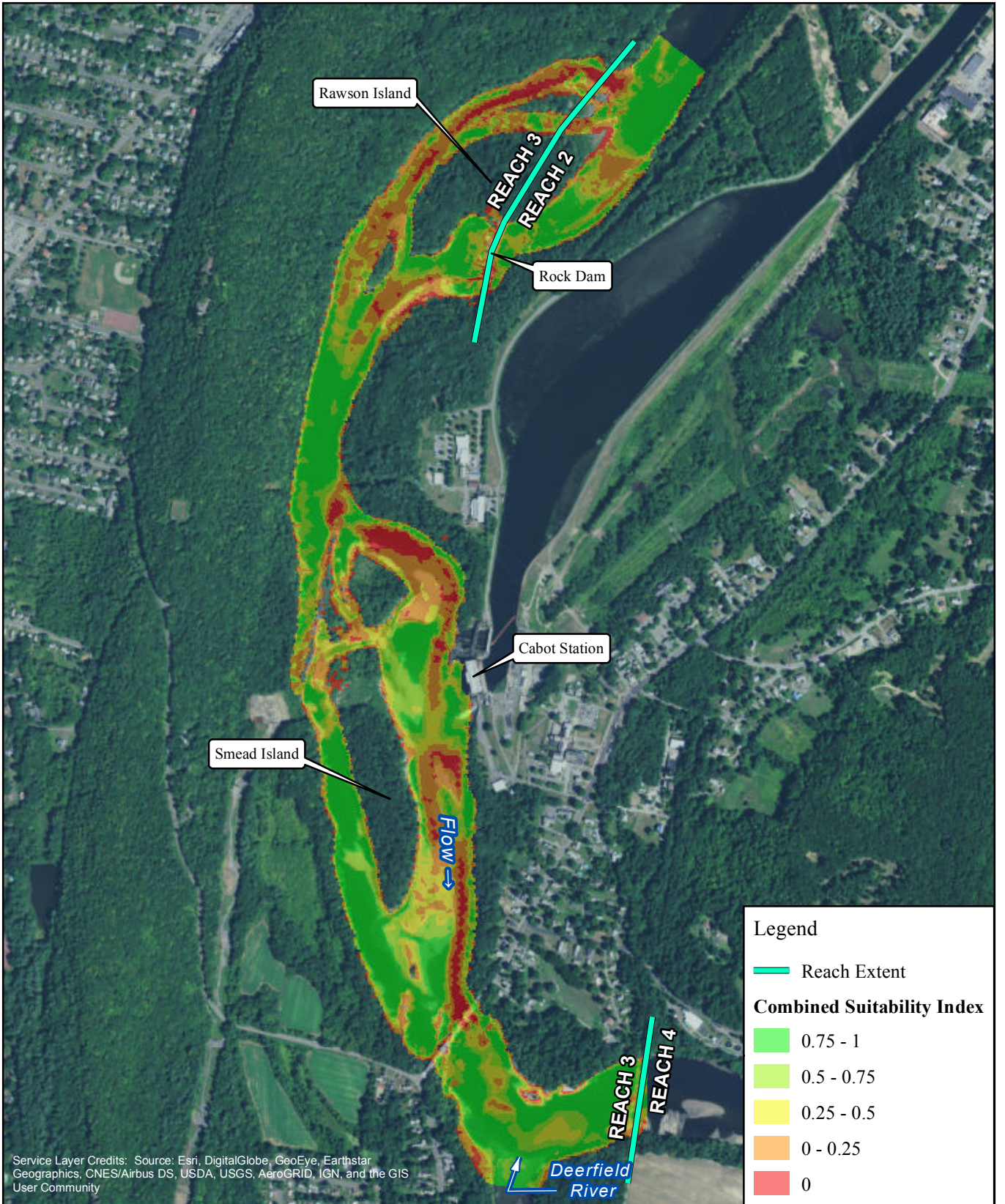


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
RELICENSING STUDY 3.3.1

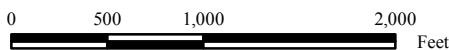


American Shad-Adult
 Cabot Flow: 2500 cfs
 Bypass Flow: 8000 cfs
 Deerfield Flow: 200 cfs

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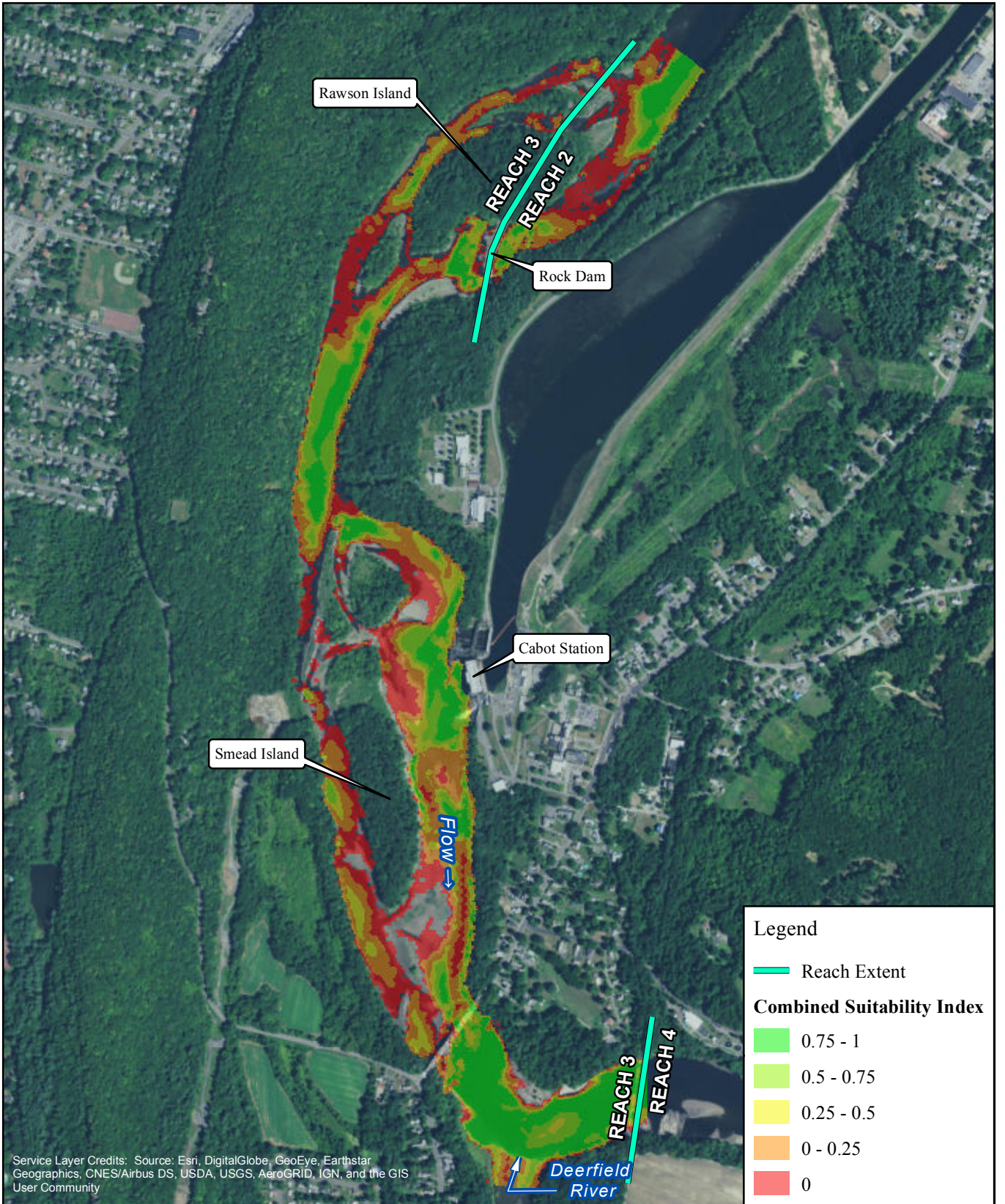


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
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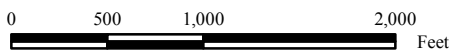


American Shad-Adult
 Cabot Flow: 2500 cfs
 Bypass Flow: 10000 cfs
 Deerfield Flow: 200 cfs

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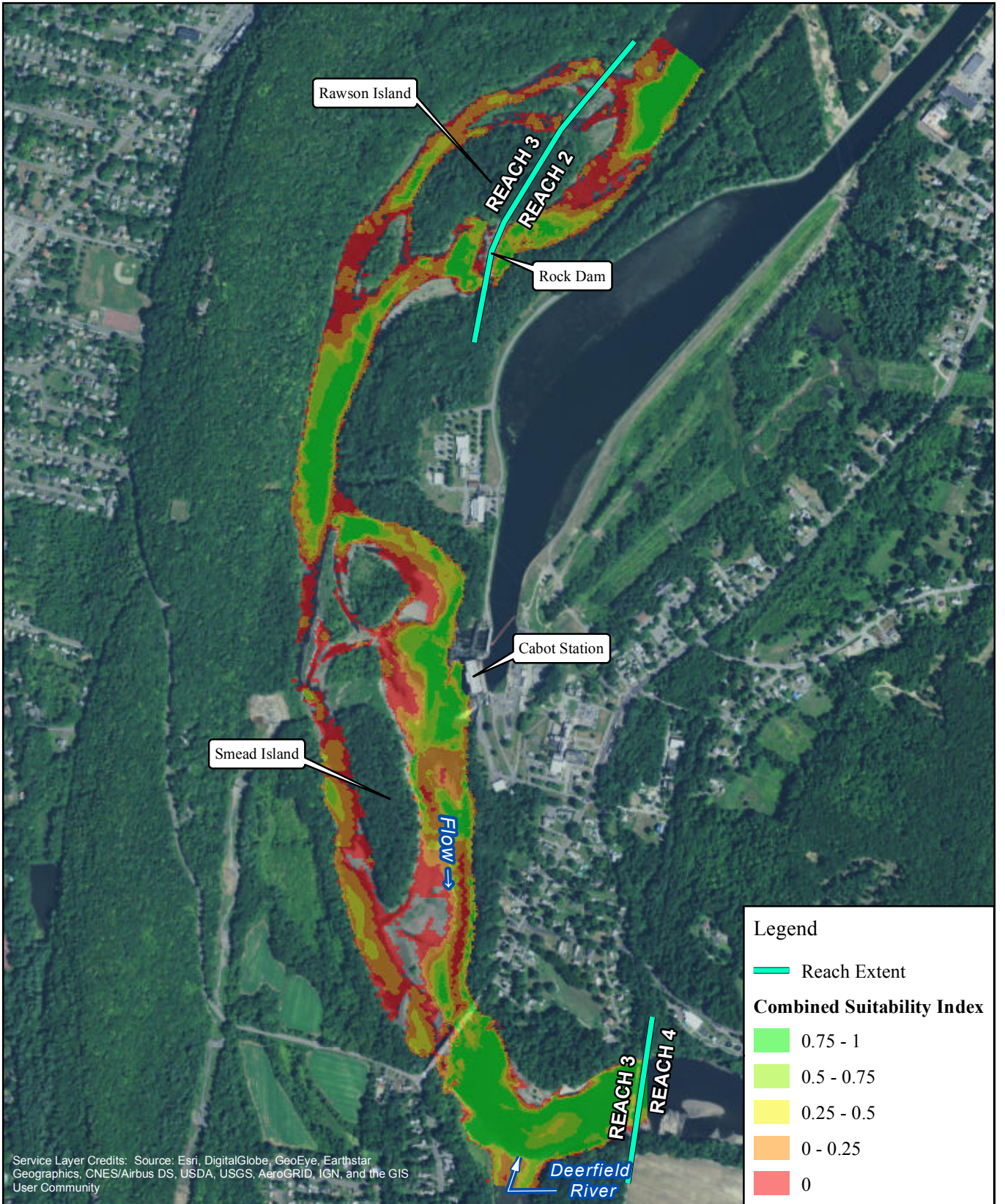


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



American Shad-Adult
 Cabot Flow: 4500 cfs
 Bypass Flow: 200 cfs
 Deerfield Flow: 200 cfs

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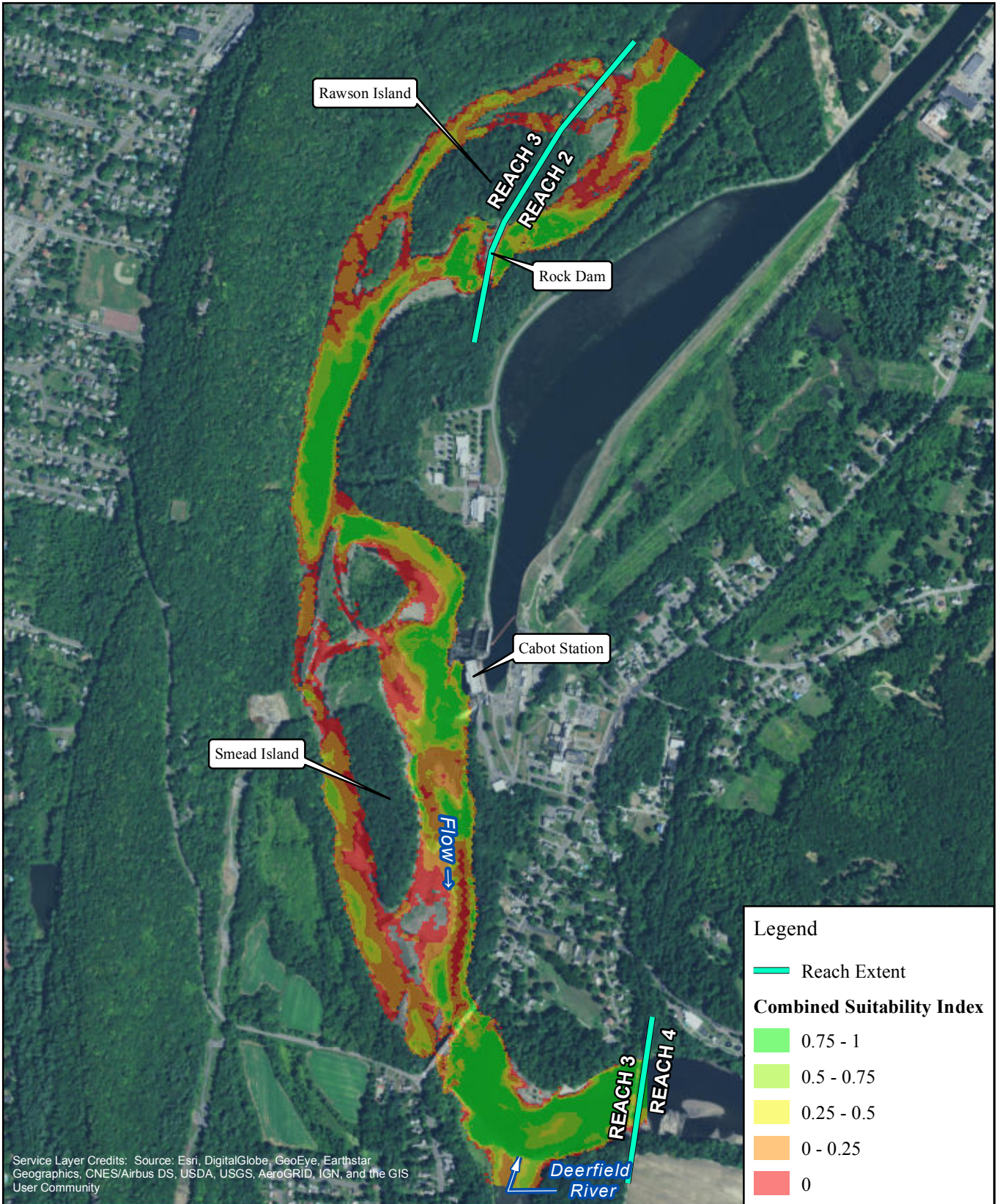
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 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
RELICENSING STUDY 3.3.1

American Shad-Adult
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 Bypass Flow: 500 cfs
 Deerfield Flow: 200 cfs

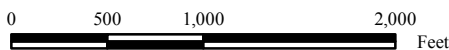
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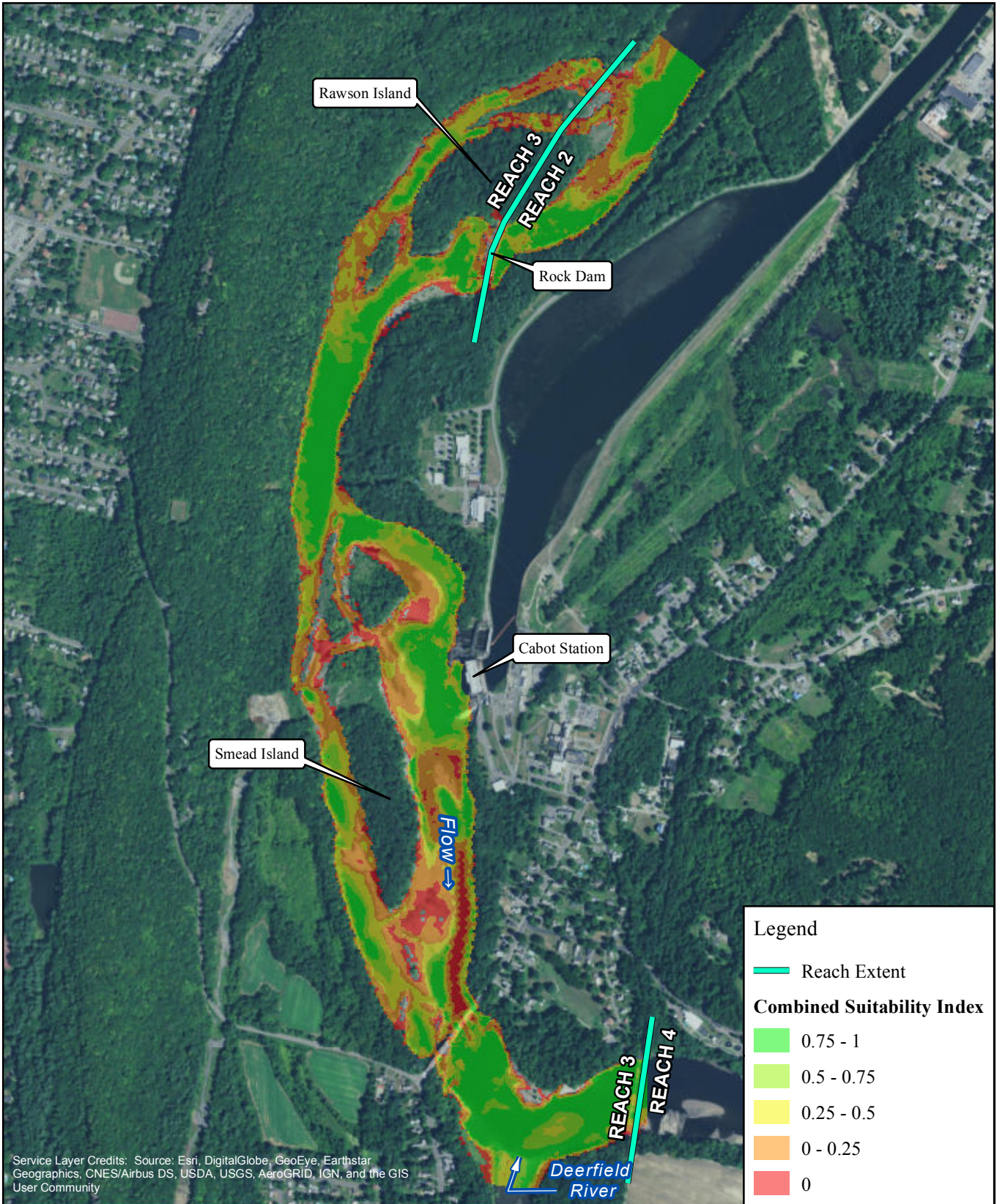


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



American Shad-Adult
 Cabot Flow: 4500 cfs
 Bypass Flow: 1000 cfs
 Deerfield Flow: 200 cfs

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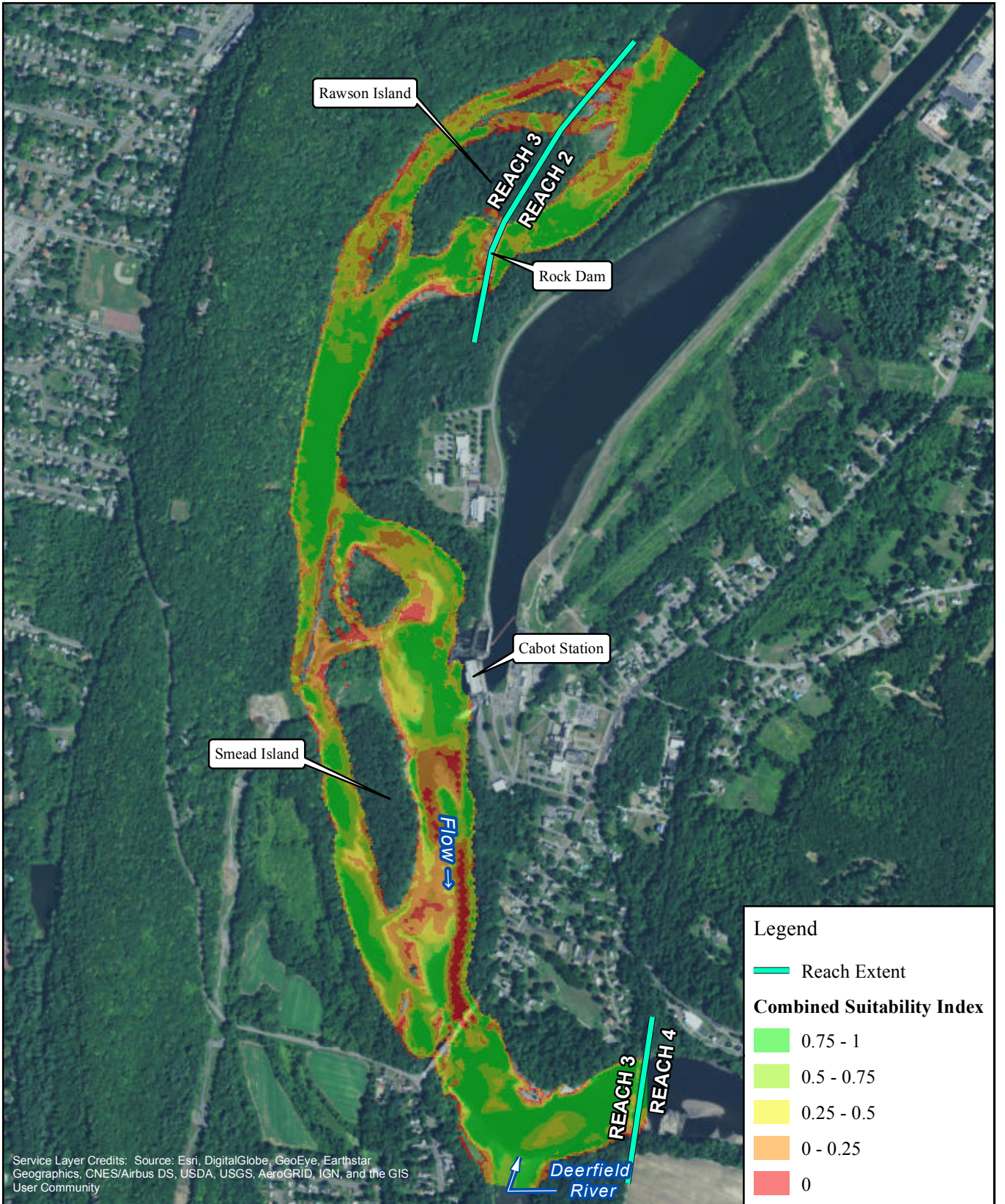
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RELICENSING STUDY 3.3.1

American Shad-Adult
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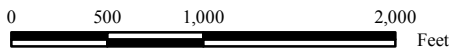
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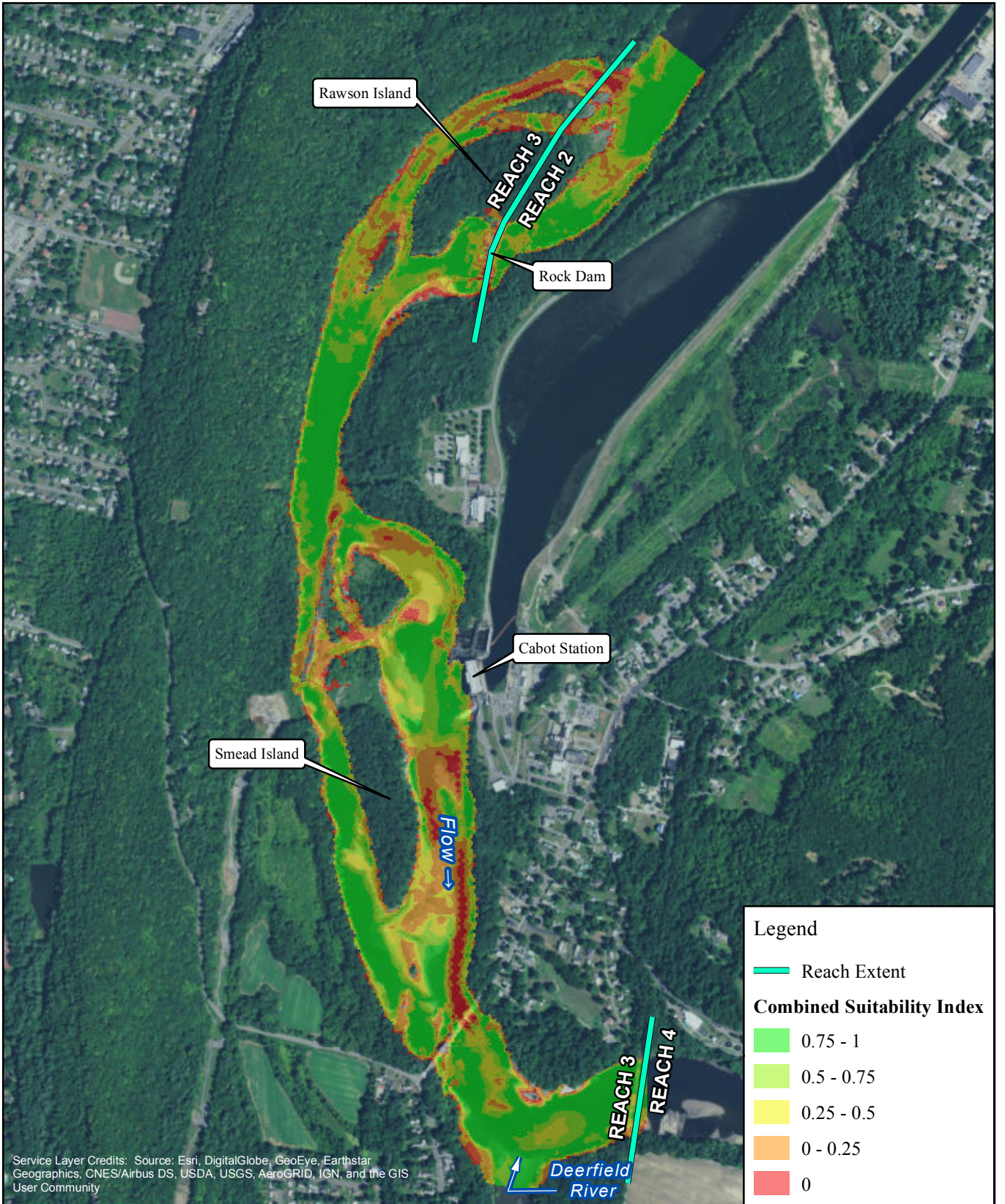


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 RELICENSING STUDY 3.3.1



American Shad-Adult
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 Bypass Flow: 5000 cfs
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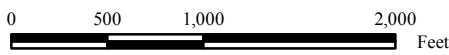
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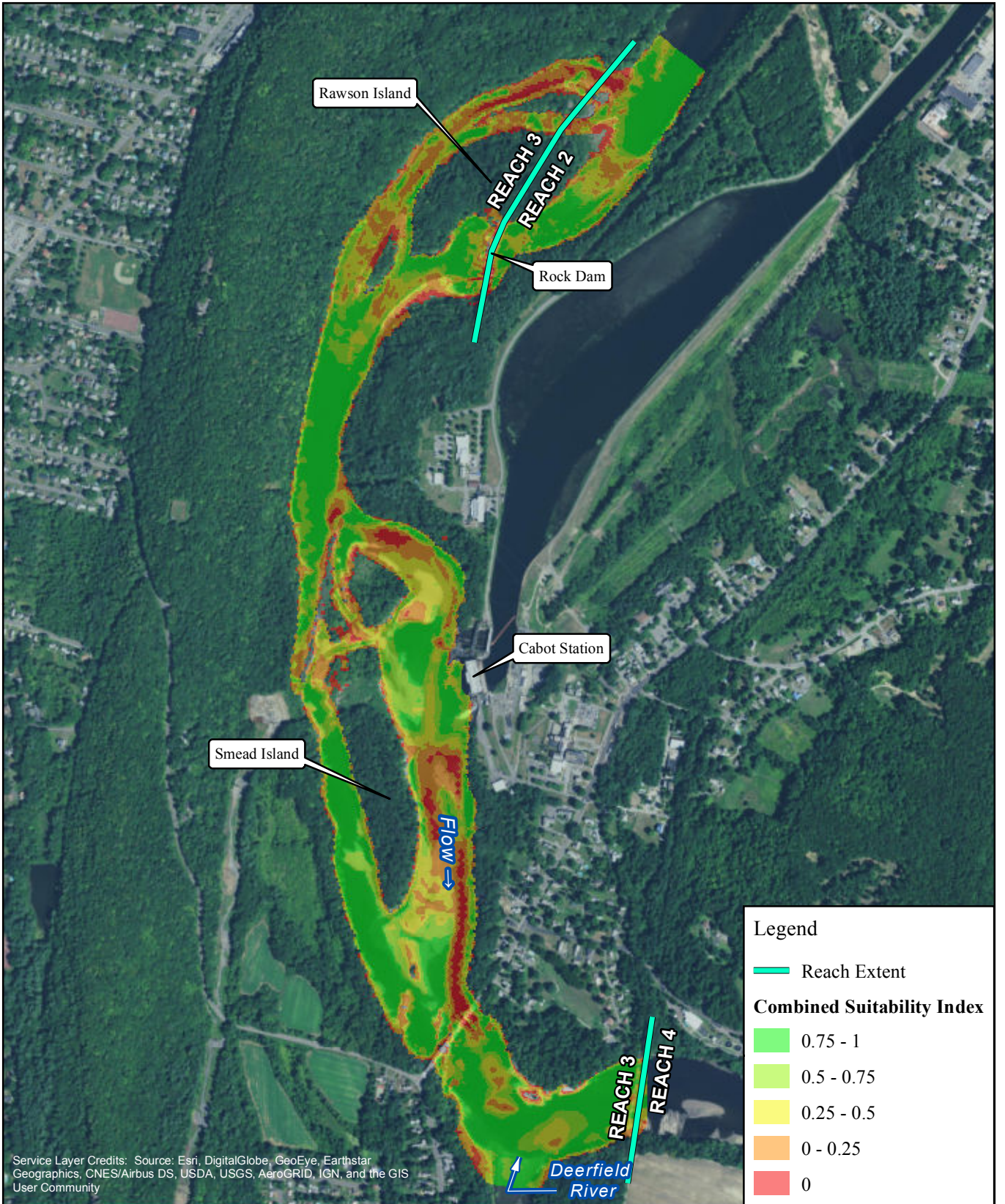
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FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1

American Shad-Adult
 Cabot Flow: 4500 cfs
 Bypass Flow: 6500 cfs
 Deerfield Flow: 200 cfs



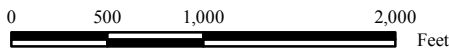
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 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
RELICENSING STUDY 3.3.1



Legend

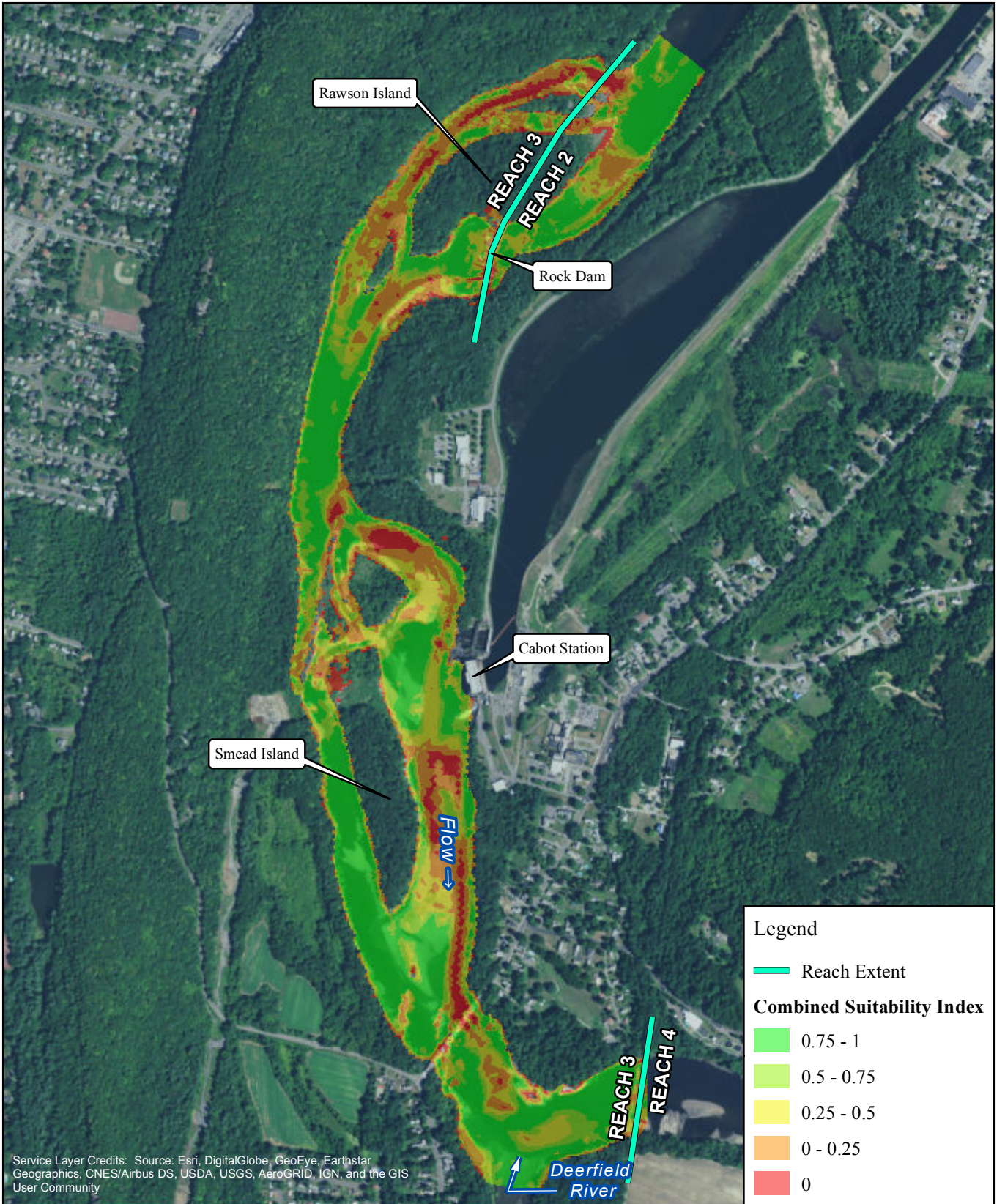
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Combined Suitability Index

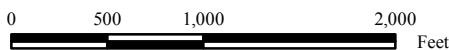
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American Shad-Adult
 Cabot Flow: 4500 cfs
 Bypass Flow: 8000 cfs
 Deerfield Flow: 200 cfs

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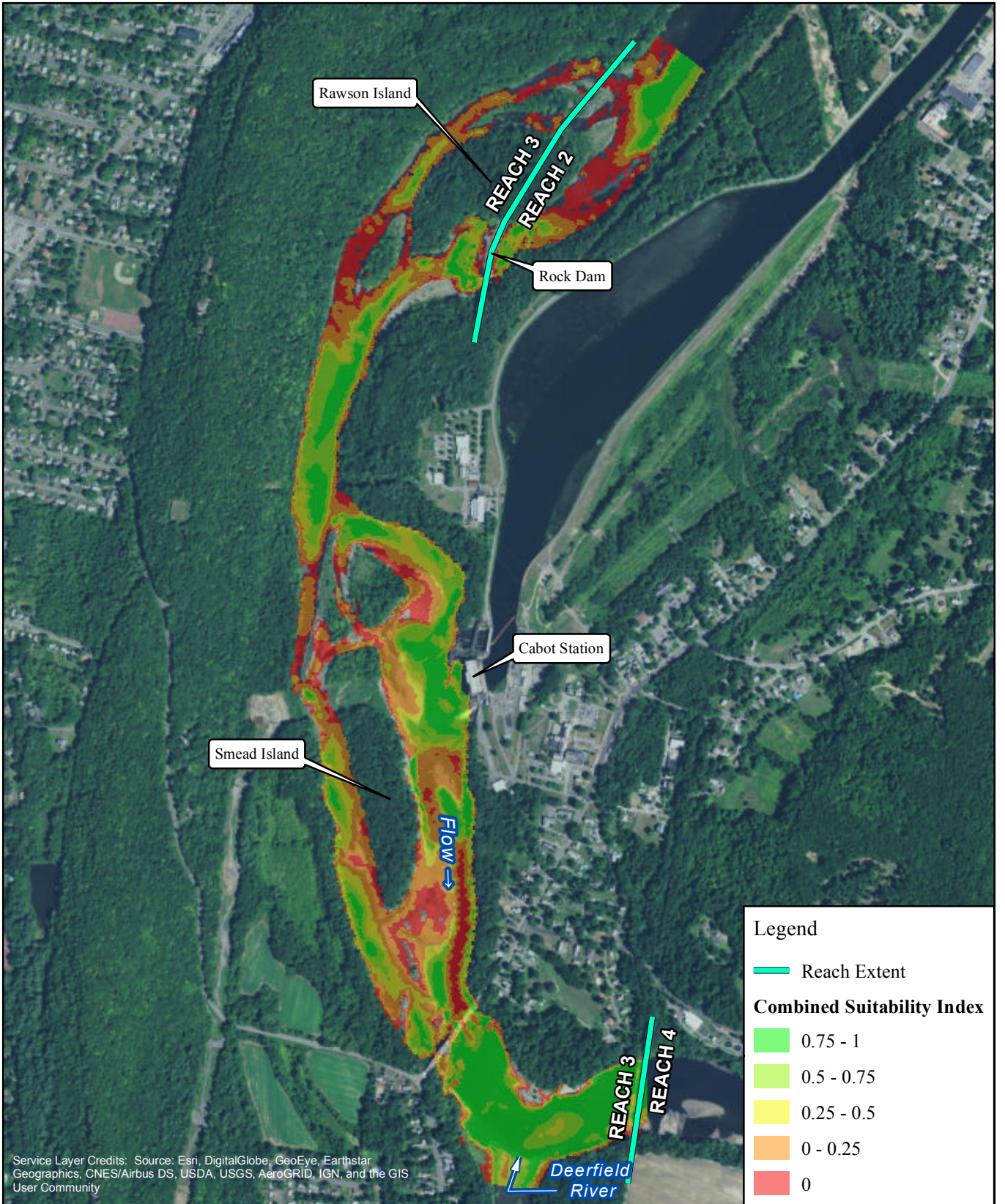


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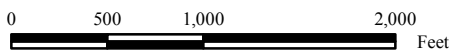


American Shad-Adult
 Cabot Flow: 4500 cfs
 Bypass Flow: 10000 cfs
 Deerfield Flow: 200 cfs

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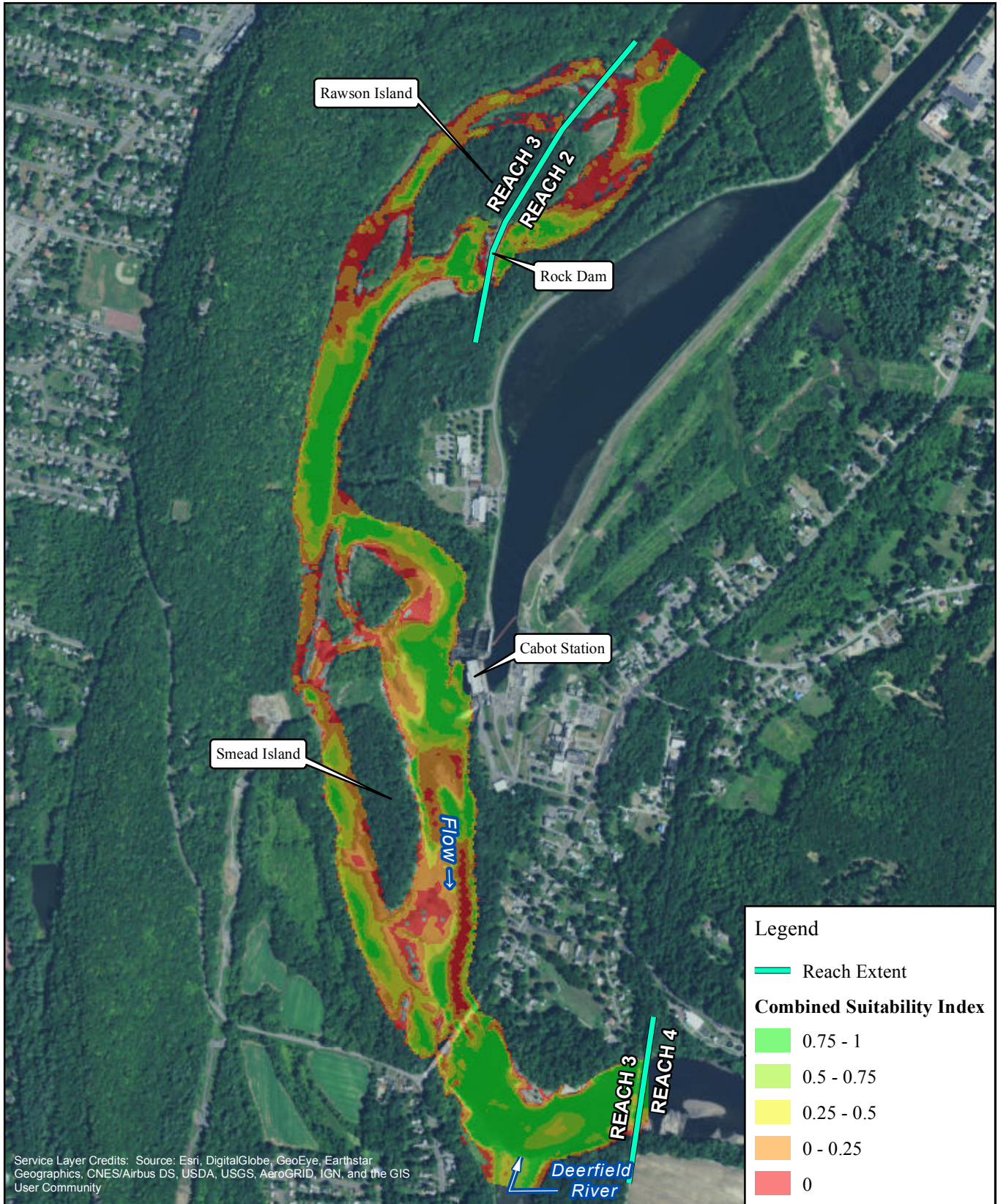


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1

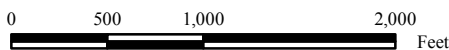


American Shad-Adult
 Cabot Flow: 7000 cfs
 Bypass Flow: 200 cfs
 Deerfield Flow: 200 cfs

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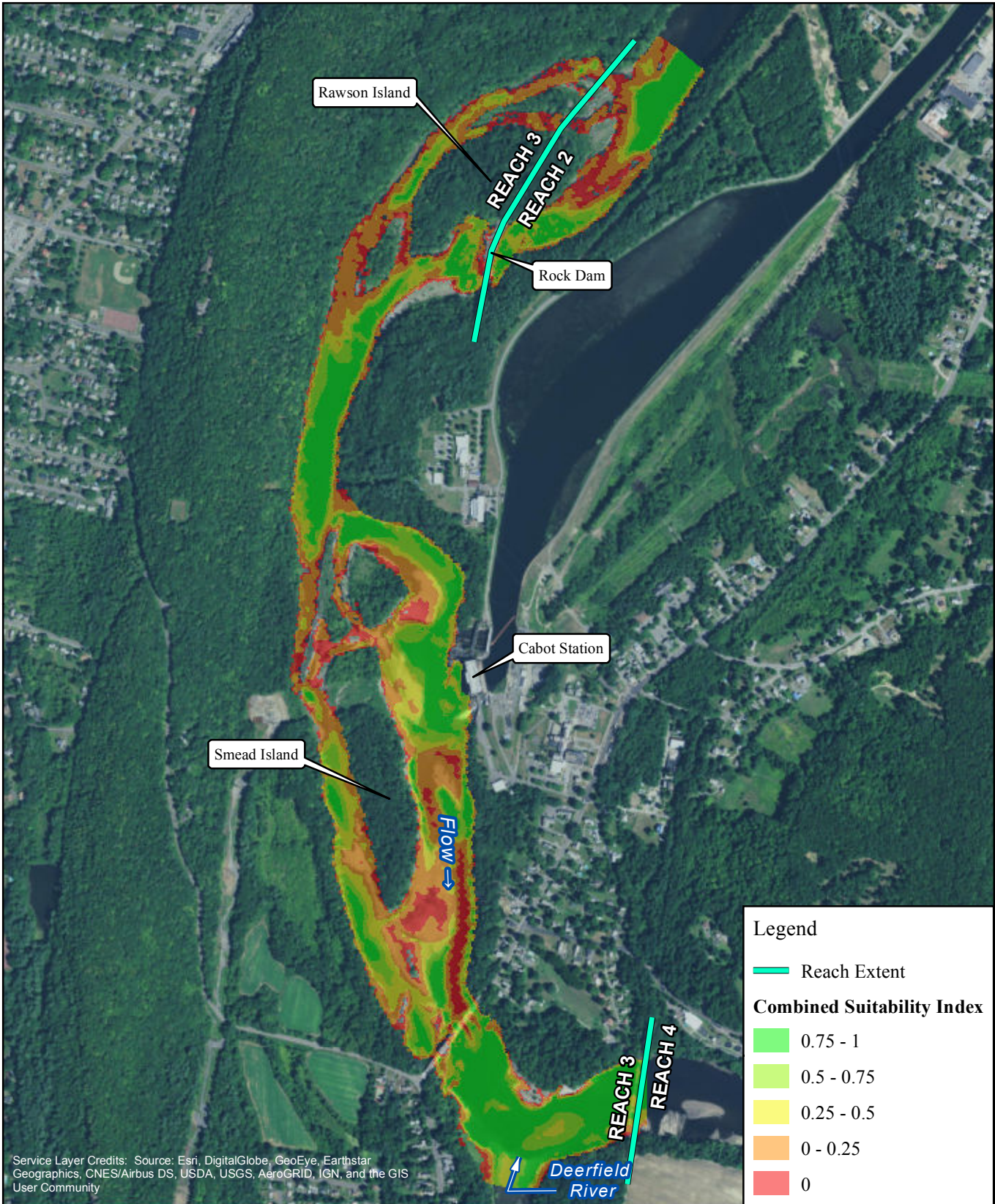


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



American Shad-Adult
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 Bypass Flow: 500 cfs
 Deerfield Flow: 200 cfs

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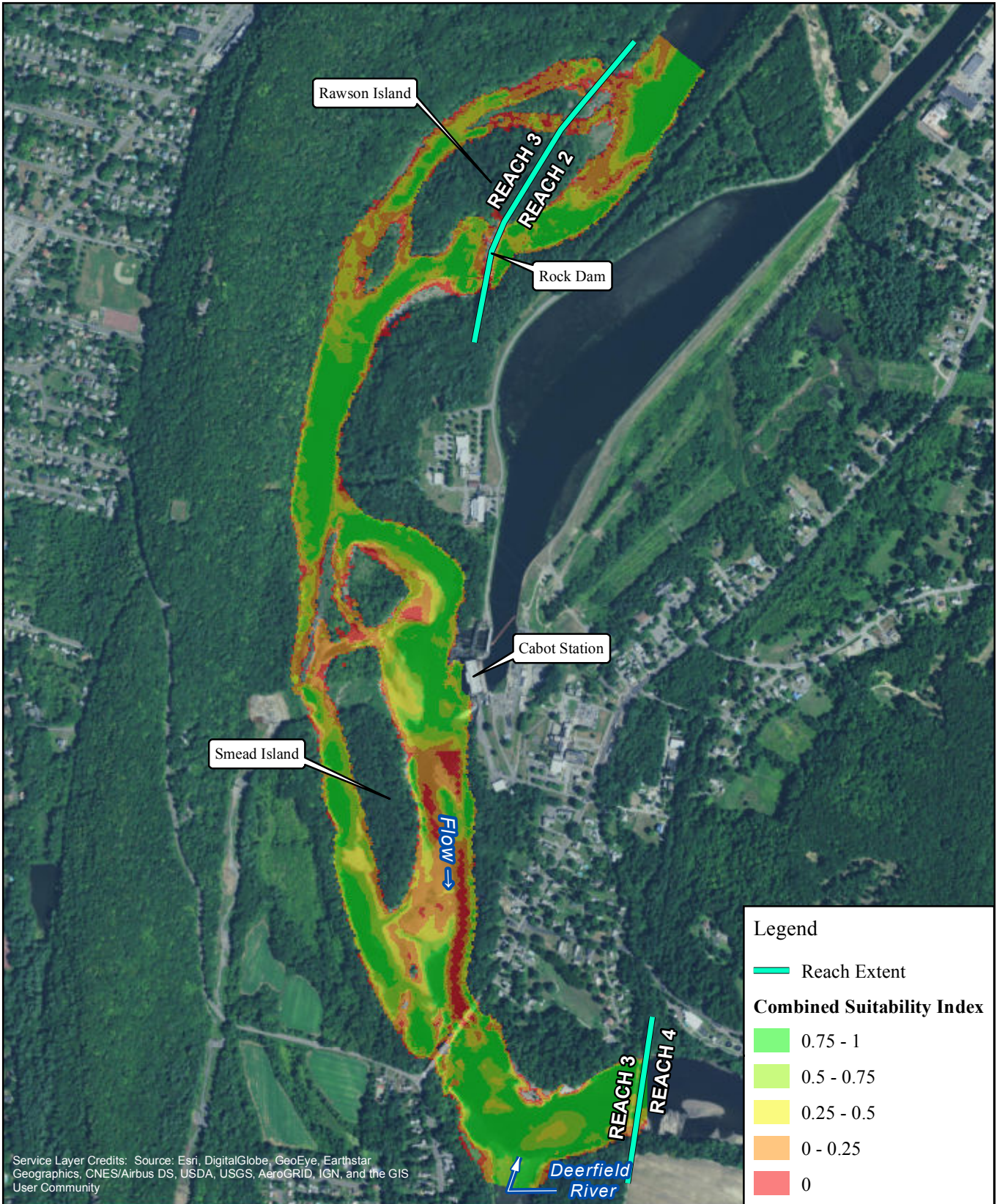


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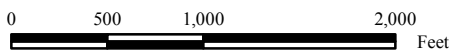
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American Shad-Adult
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 Deerfield Flow: 200 cfs

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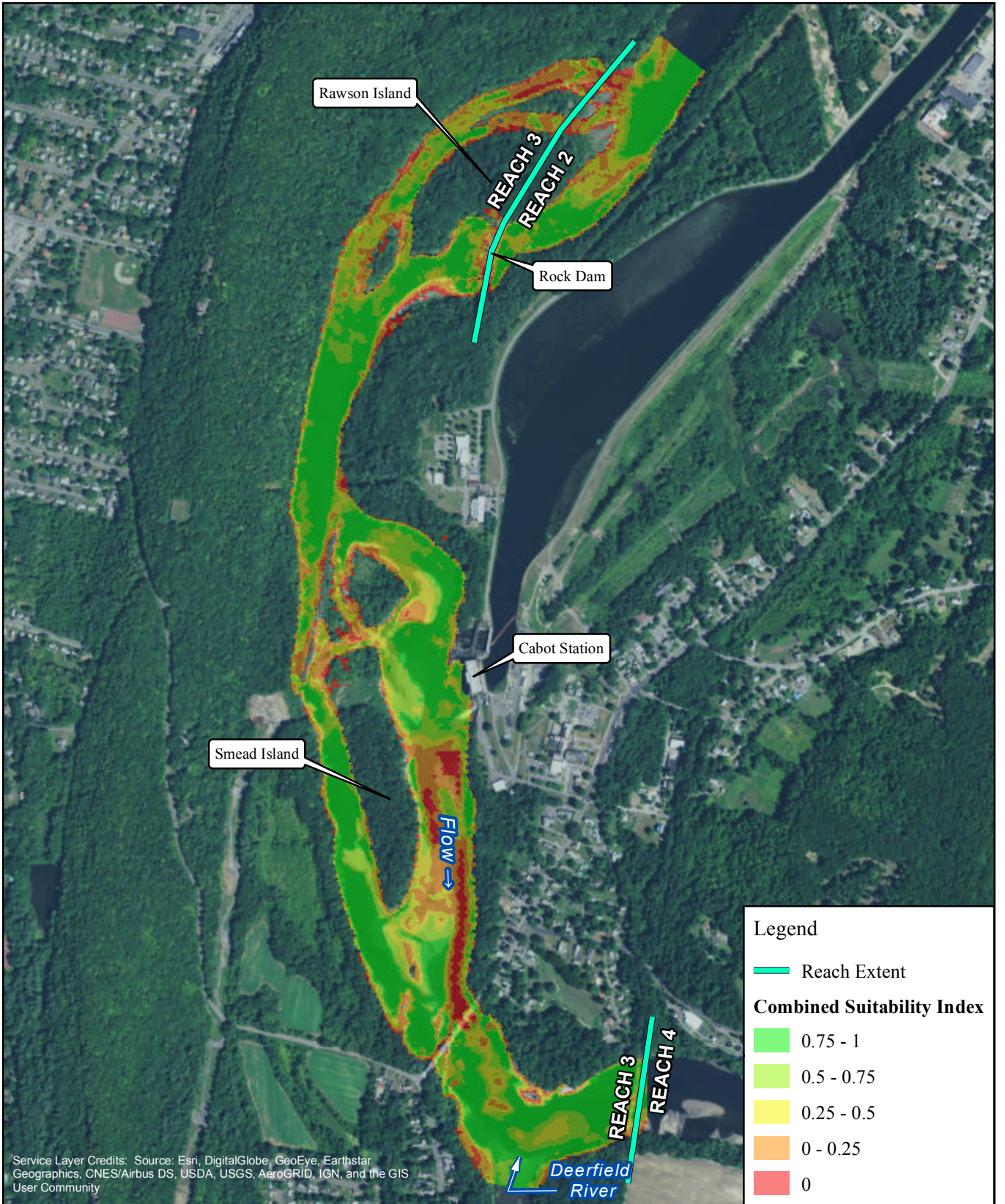


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 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



American Shad-Adult
 Cabot Flow: 7000 cfs
 Bypass Flow: 3000 cfs
 Deerfield Flow: 200 cfs

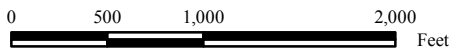
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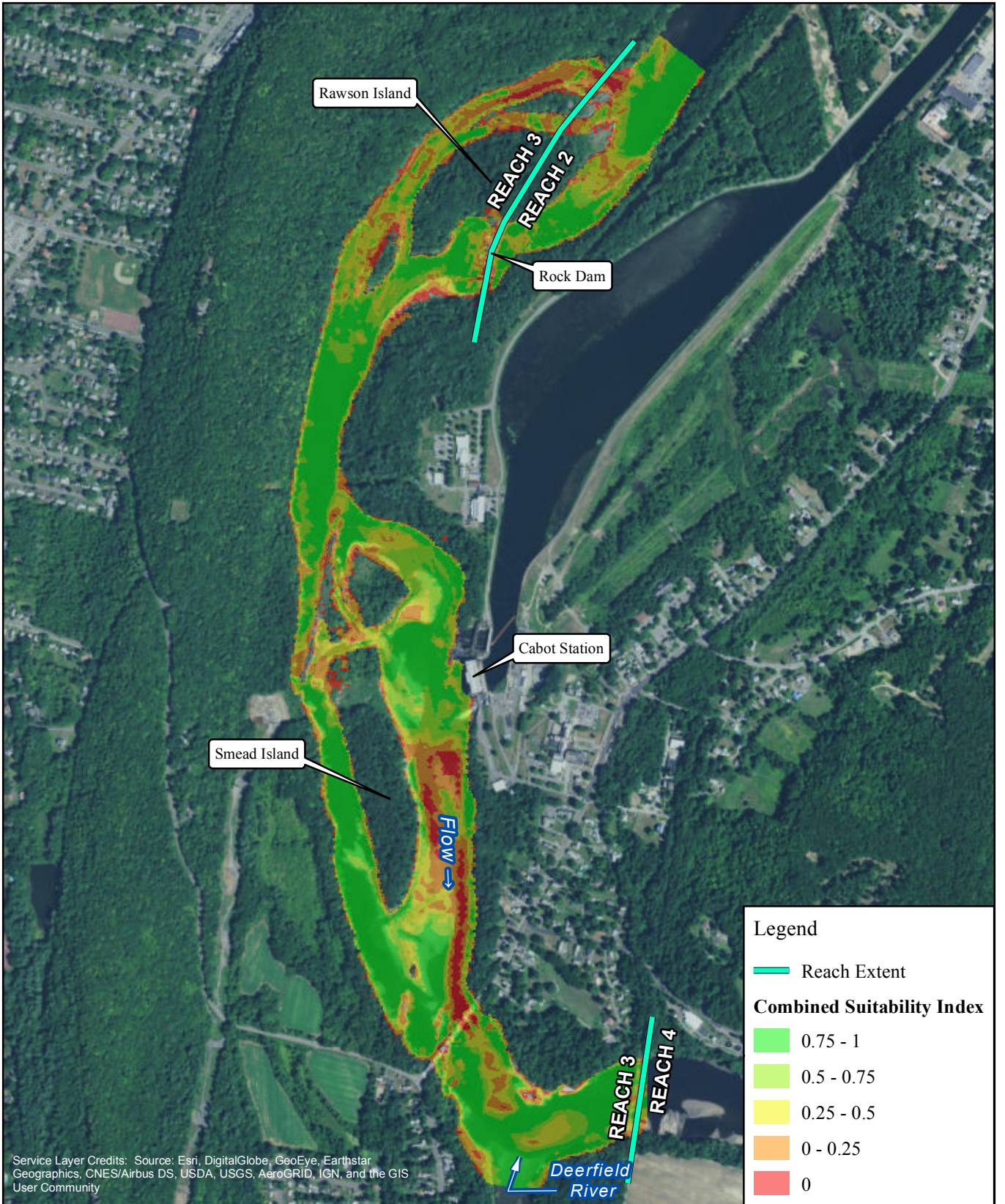


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 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



American Shad-Adult
 Cabot Flow: 7000 cfs
 Bypass Flow: 5000 cfs
 Deerfield Flow: 200 cfs

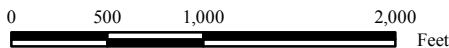
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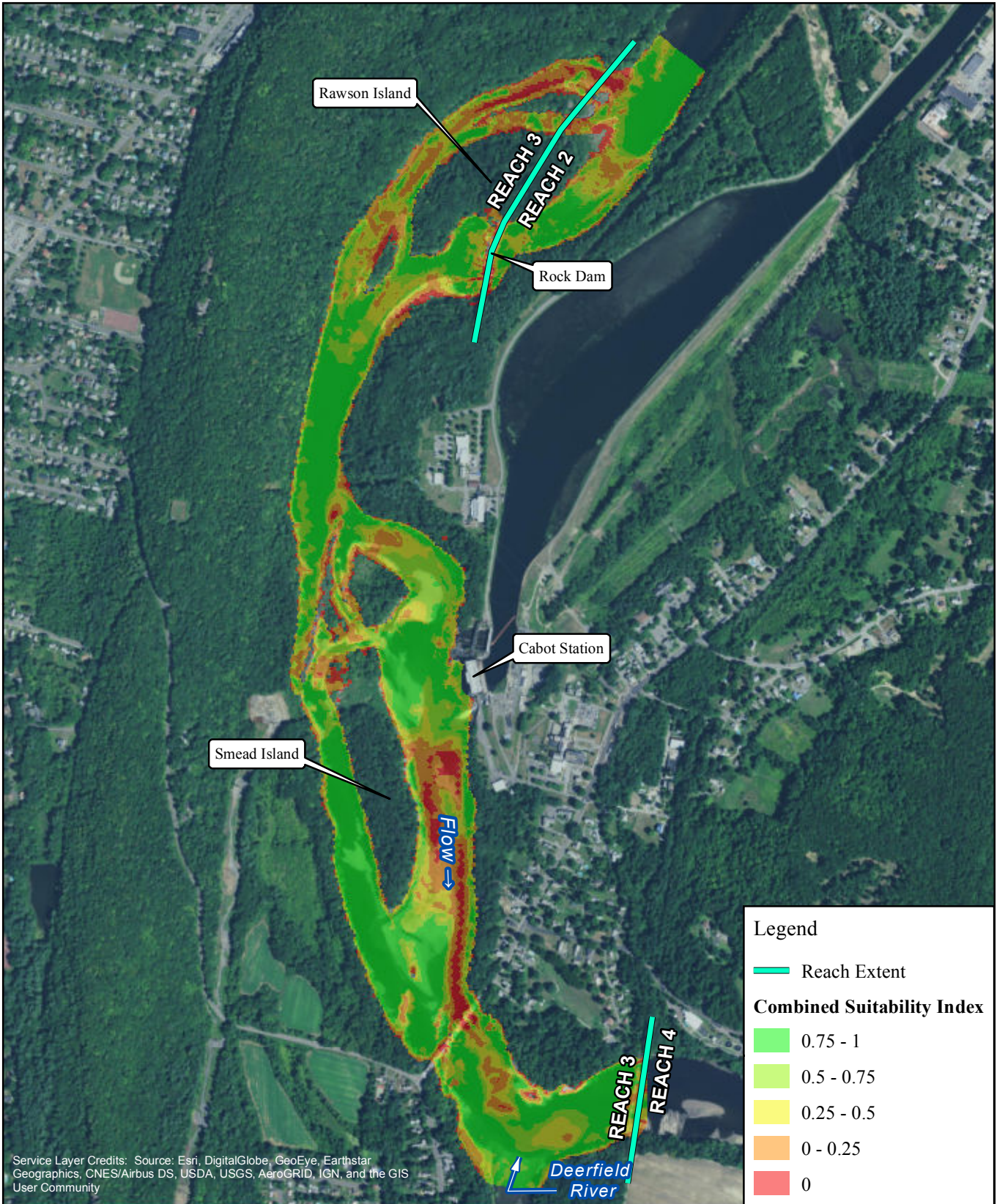


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 Northfield Mountain Pumped Storage Project No. 2485
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 RELICENSING STUDY 3.3.1

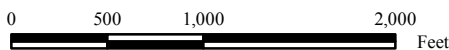


American Shad-Adult
 Cabot Flow: 7000 cfs
 Bypass Flow: 6500 cfs
 Deerfield Flow: 200 cfs

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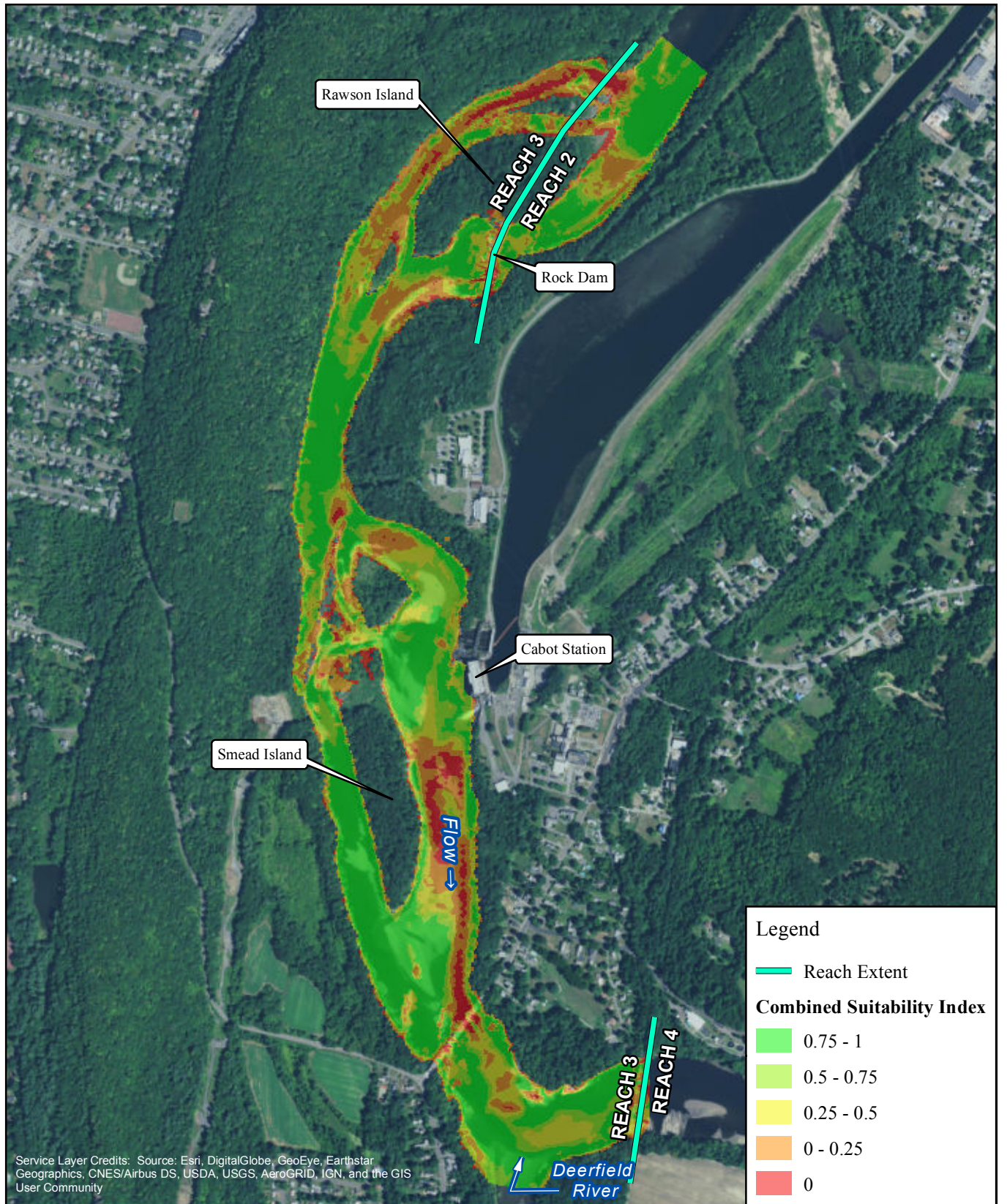


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 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



American Shad-Adult
 Cabot Flow: 7000 cfs
 Bypass Flow: 8000 cfs
 Deerfield Flow: 200 cfs

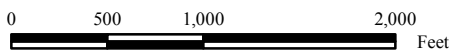
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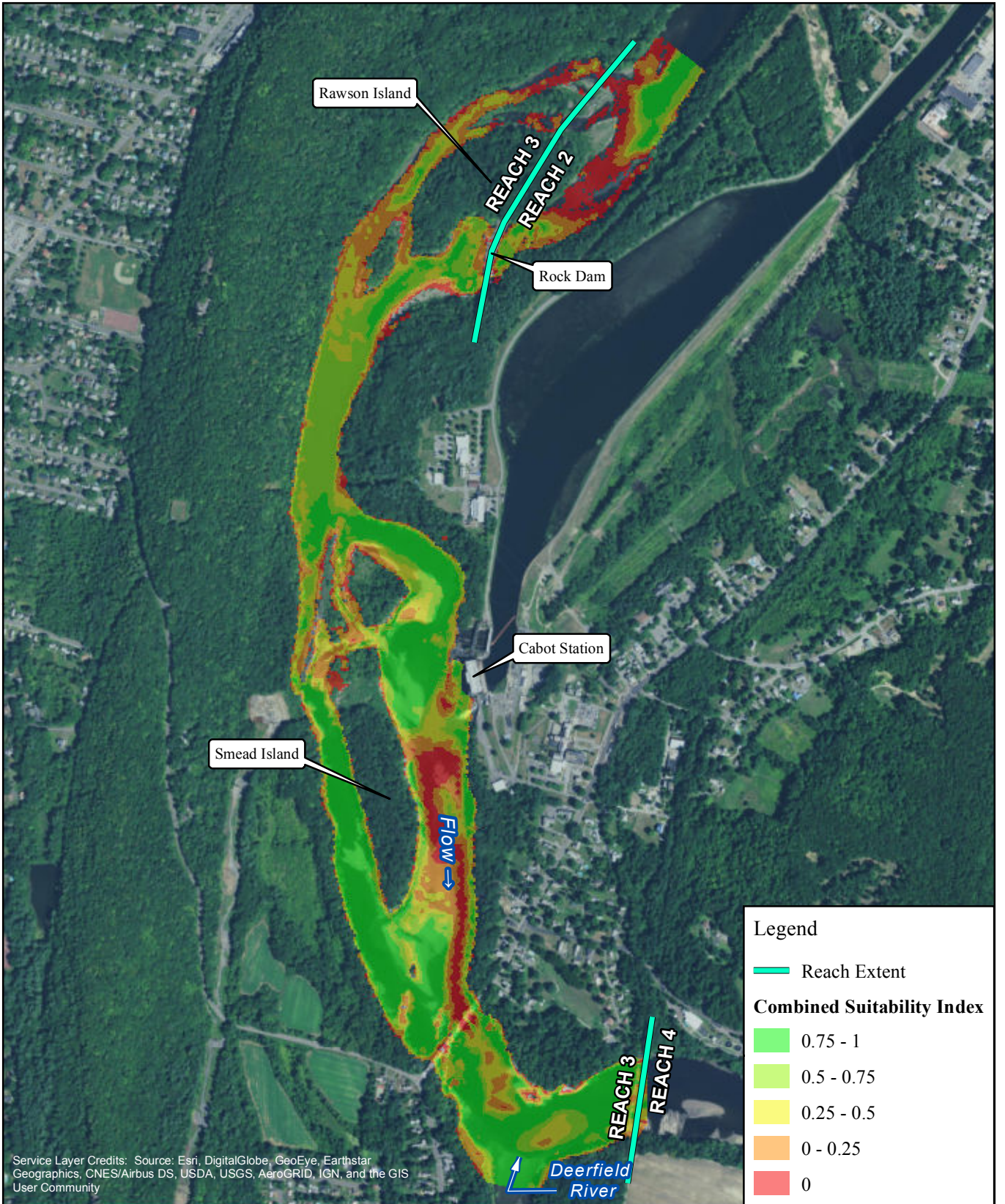


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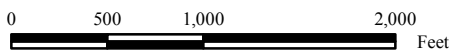


American Shad-Adult
 Cabot Flow: 7000 cfs
 Bypass Flow: 10000 cfs
 Deerfield Flow: 200 cfs

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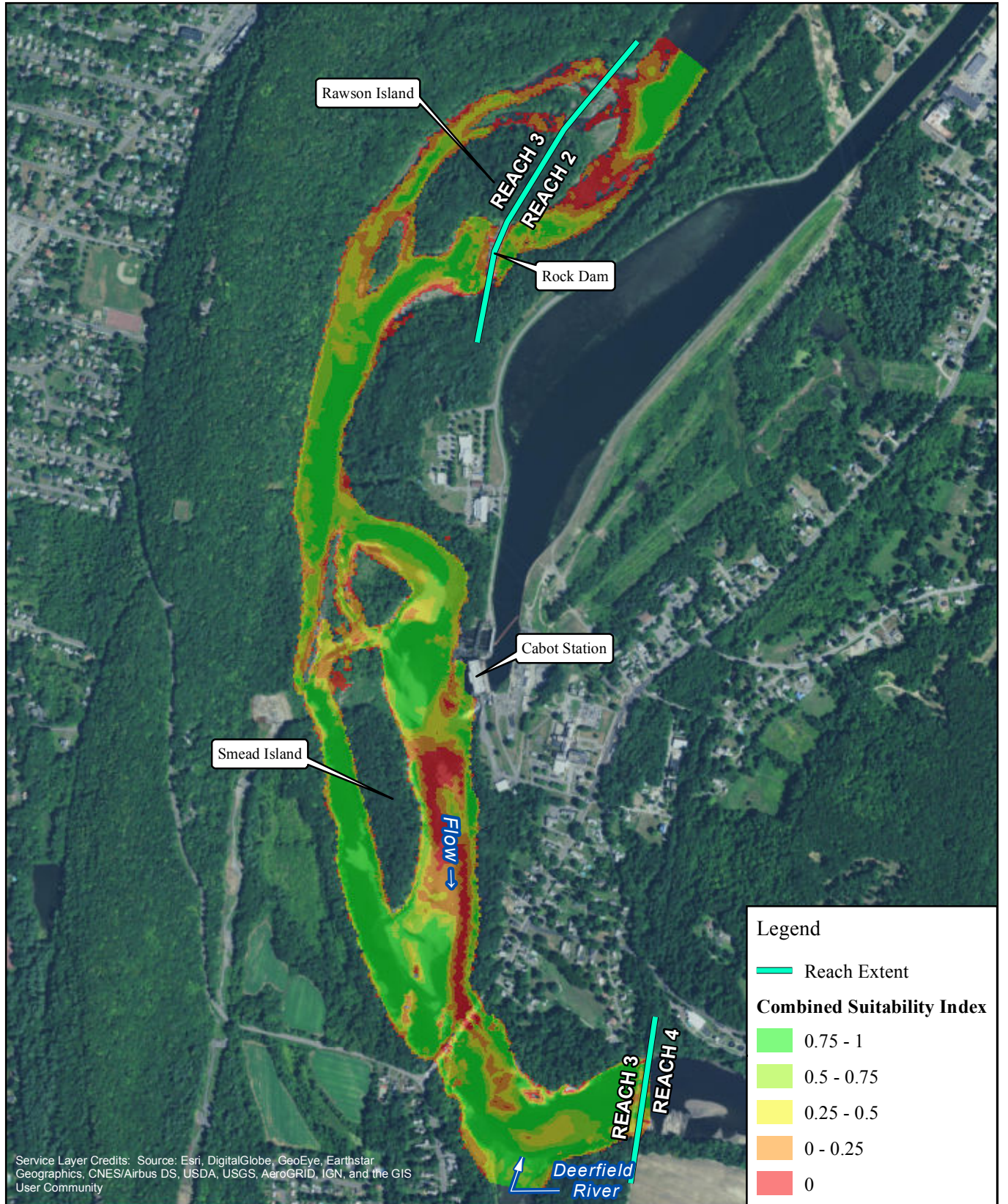


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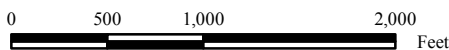


American Shad-Adult
 Cabot Flow: 14000 cfs
 Bypass Flow: 200 cfs
 Deerfield Flow: 200 cfs

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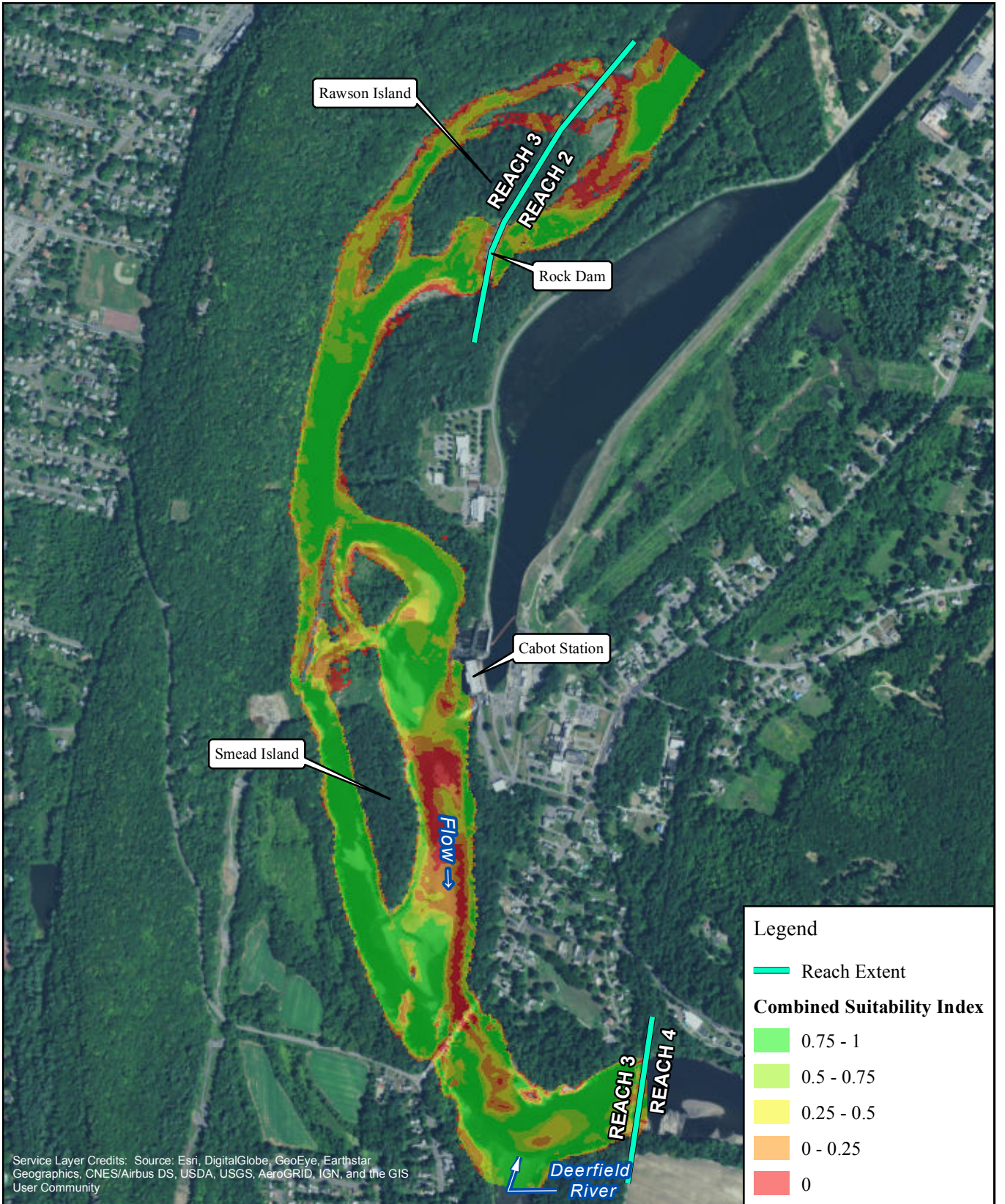


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 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



American Shad-Adult
 Cabot Flow: 14000 cfs
 Bypass Flow: 500 cfs
 Deerfield Flow: 200 cfs

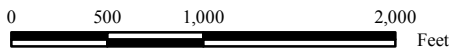
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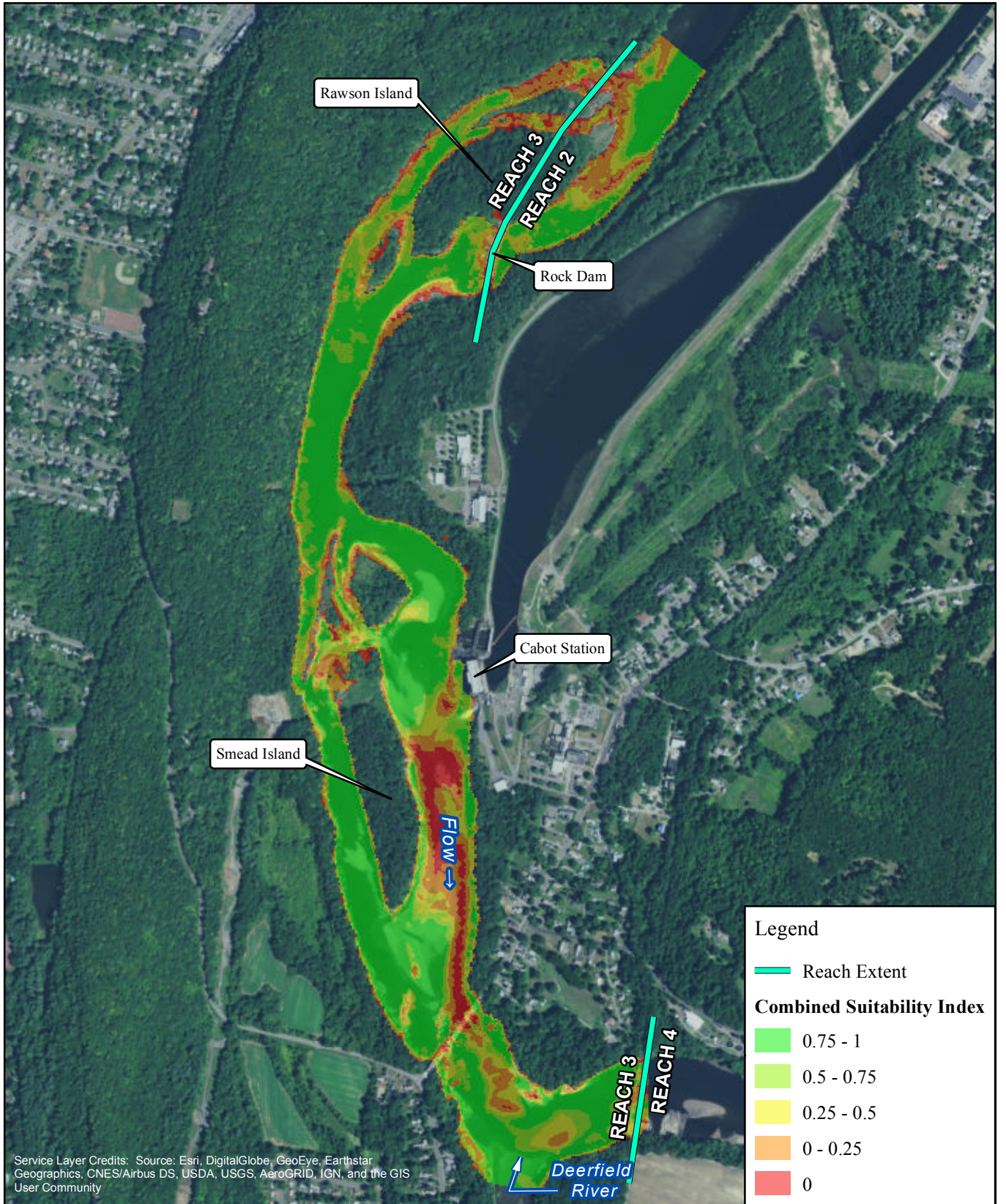


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 RELICENSING STUDY 3.3.1



American Shad-Adult
 Cabot Flow: 14000 cfs
 Bypass Flow: 1000 cfs
 Deerfield Flow: 200 cfs

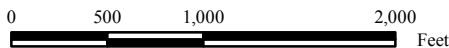
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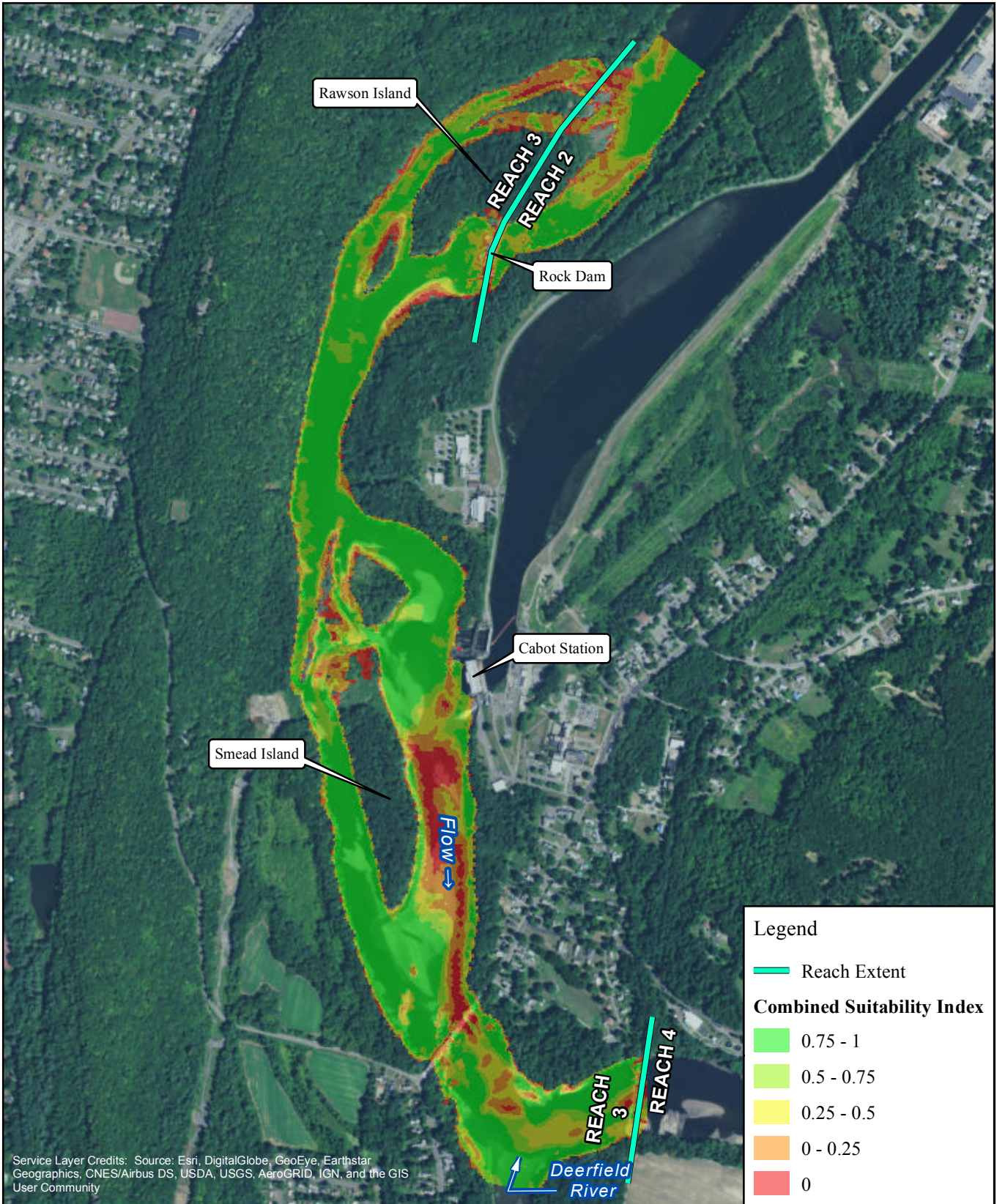


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American Shad-Adult
 Cabot Flow: 14000 cfs
 Bypass Flow: 3000 cfs
 Deerfield Flow: 200 cfs

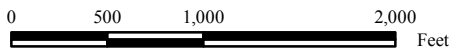
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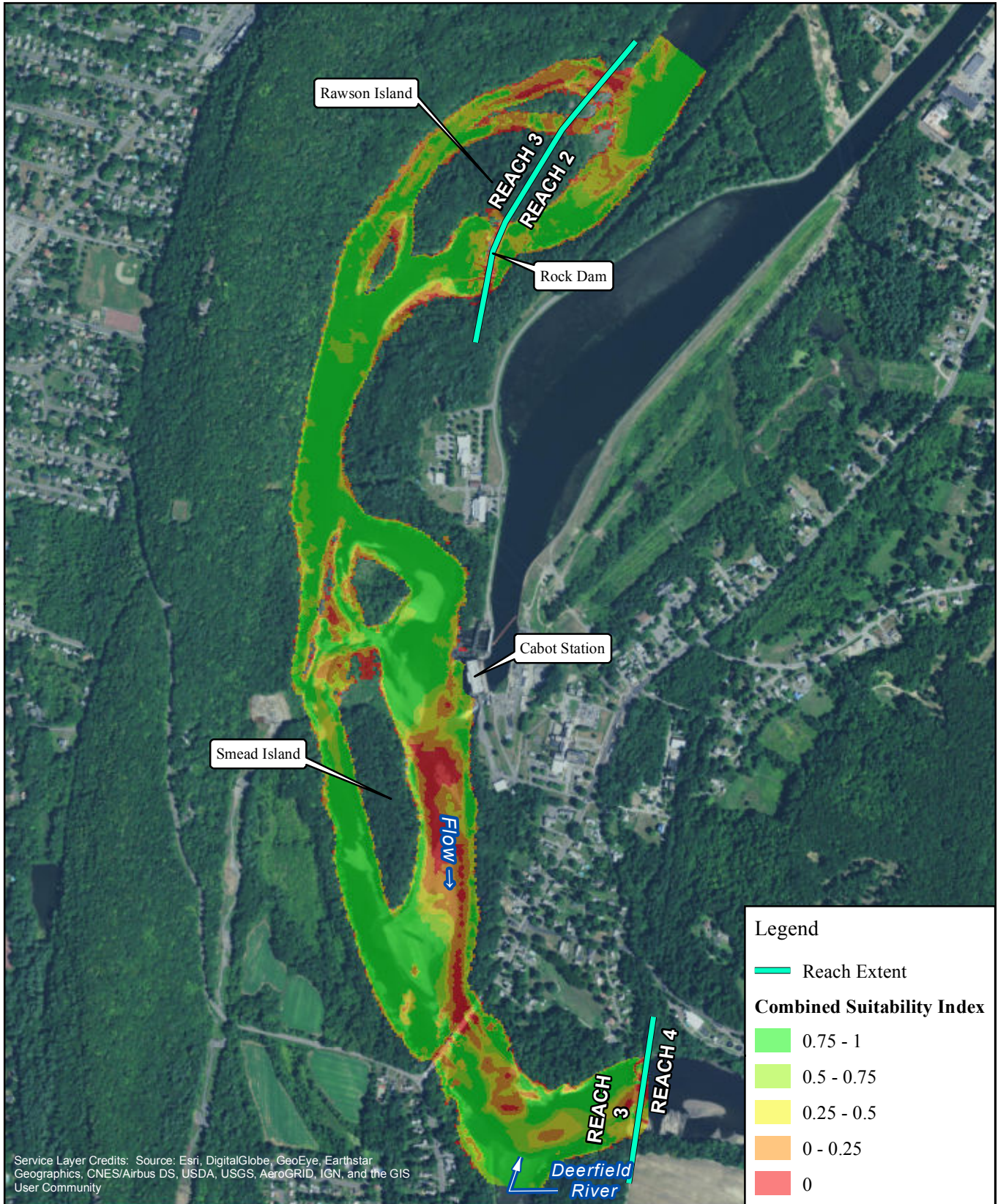


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American Shad-Adult
 Cabot Flow: 14000 cfs
 Bypass Flow: 5000 cfs
 Deerfield Flow: 200 cfs

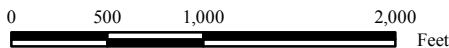
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Legend

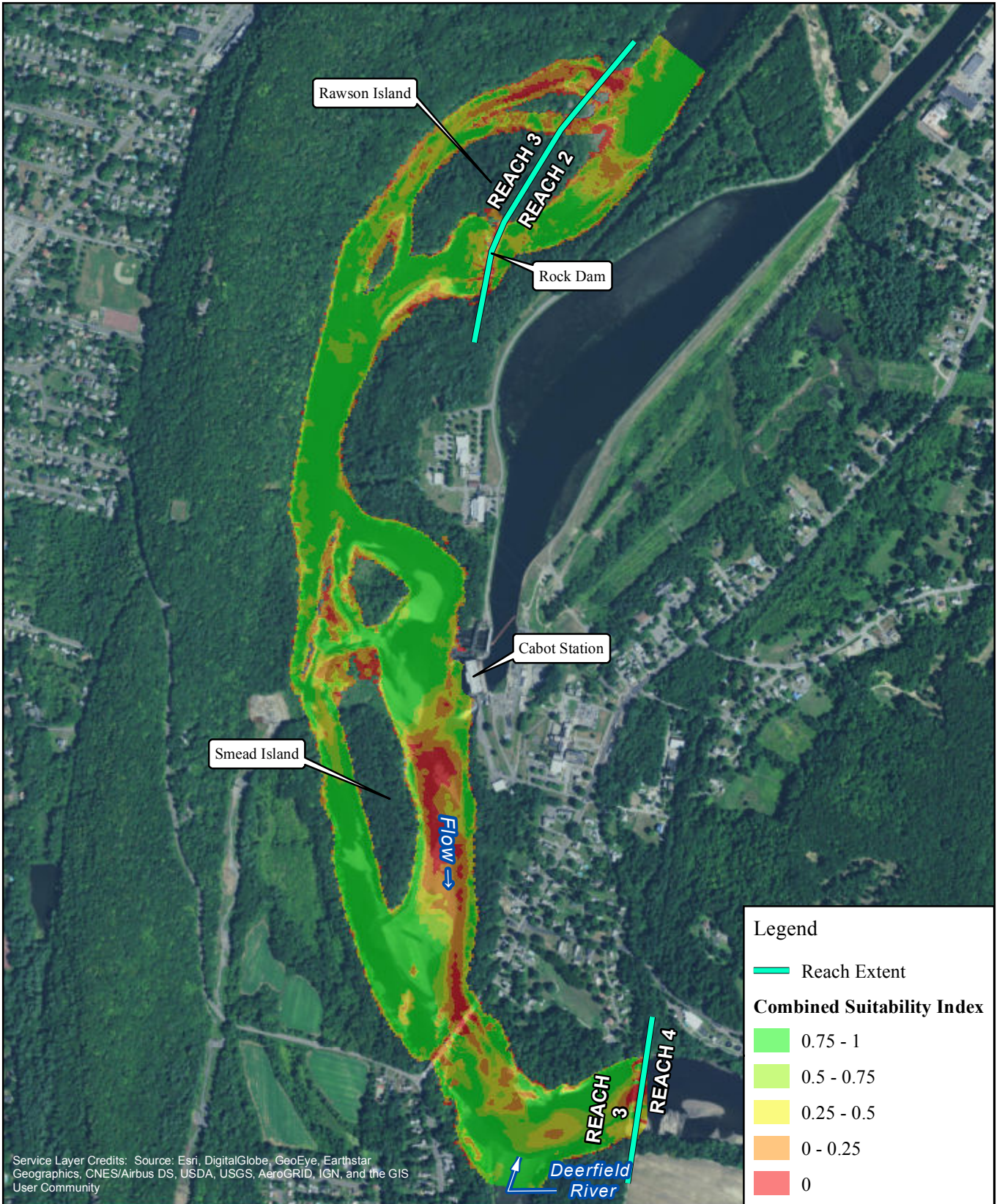
- Reach Extent

Combined Suitability Index

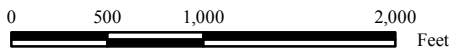
- 0.75 - 1
- 0.5 - 0.75
- 0.25 - 0.5
- 0 - 0.25
- 0

American Shad-Adult
 Cabot Flow: 14000 cfs
 Bypass Flow: 6500 cfs
 Deerfield Flow: 200 cfs

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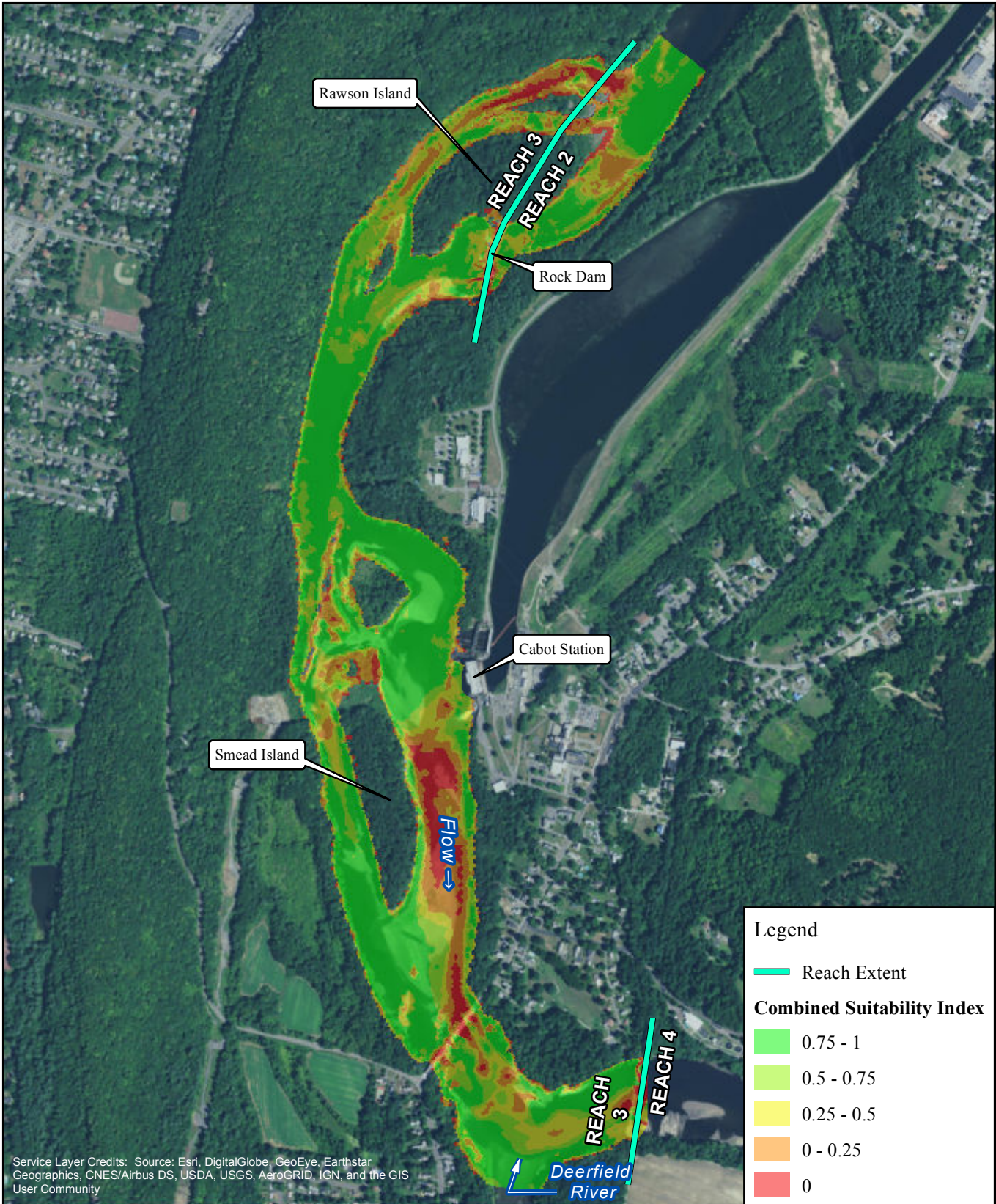


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American Shad-Adult
 Cabot Flow: 14000 cfs
 Bypass Flow: 8000 cfs
 Deerfield Flow: 200 cfs

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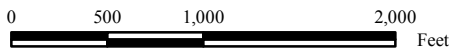


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American Shad-Adult
 Cabot Flow: 14000 cfs
 Bypass Flow: 10000 cfs
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