

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

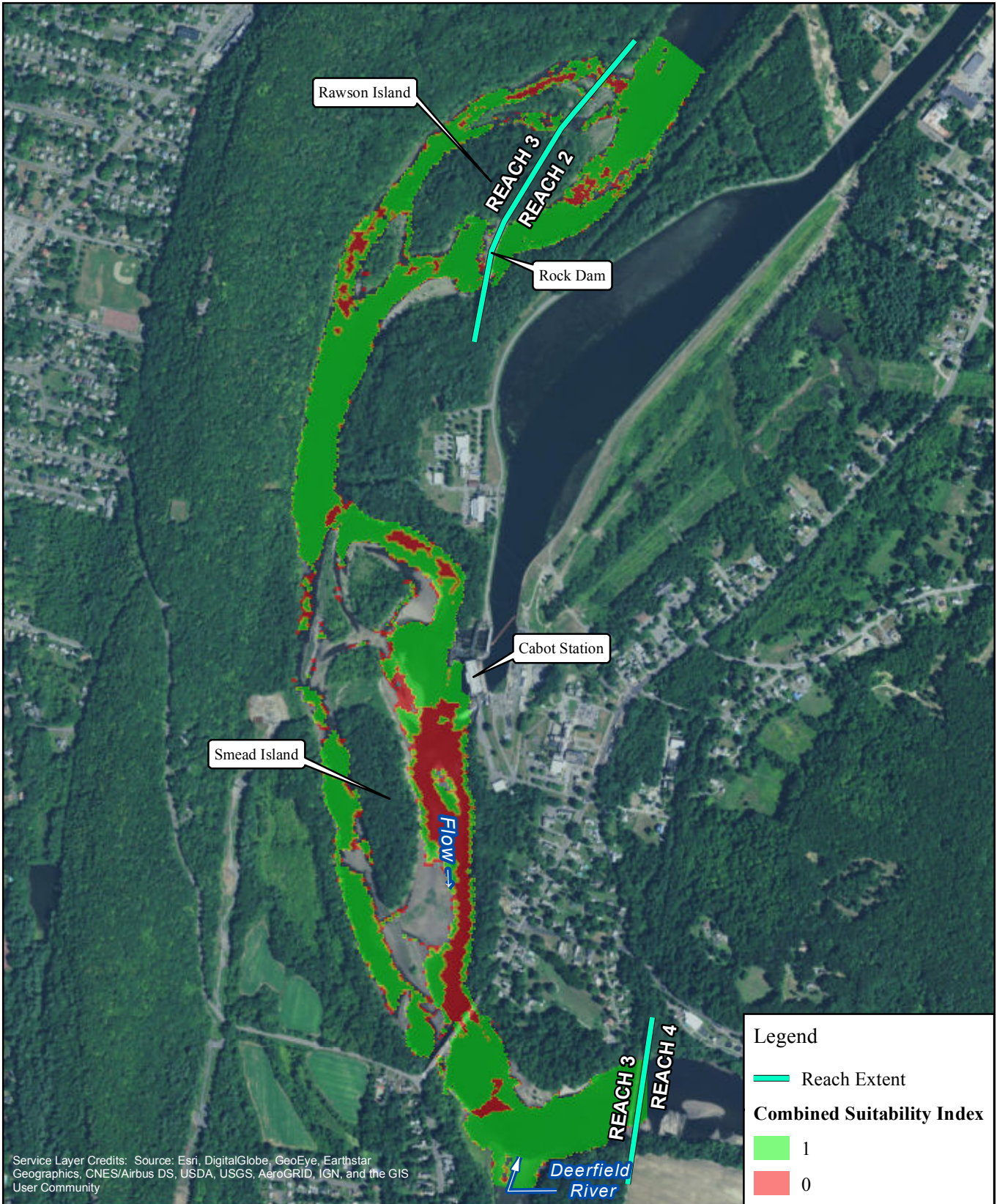
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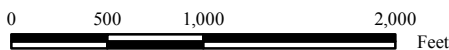
Yellow Lampmussel-Juvenile

Cabot Flow: 2500 cfs
 Bypass Flow: 200 cfs
 Deerfield Flow: 200 cfs

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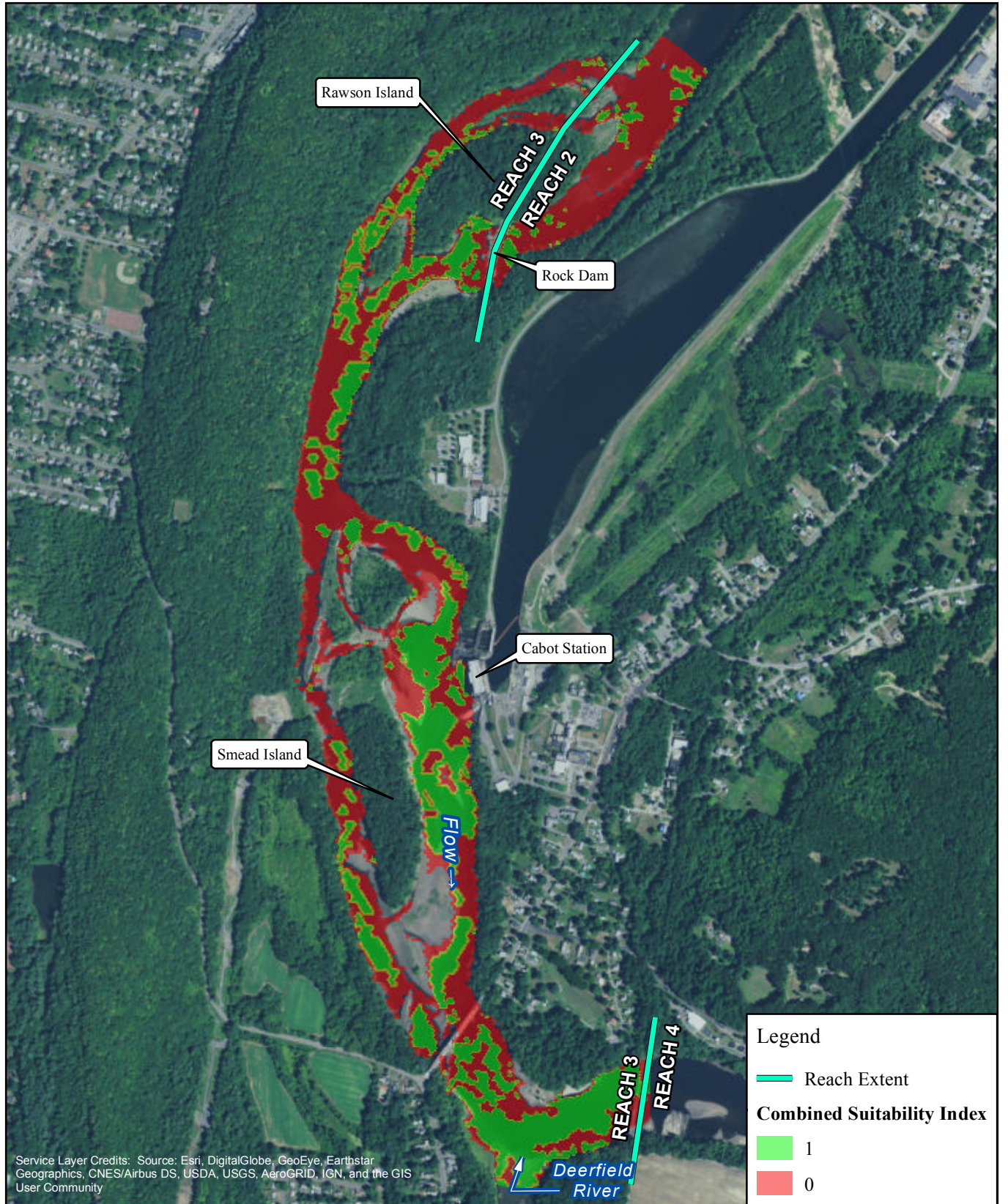


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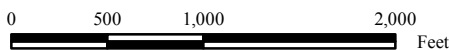


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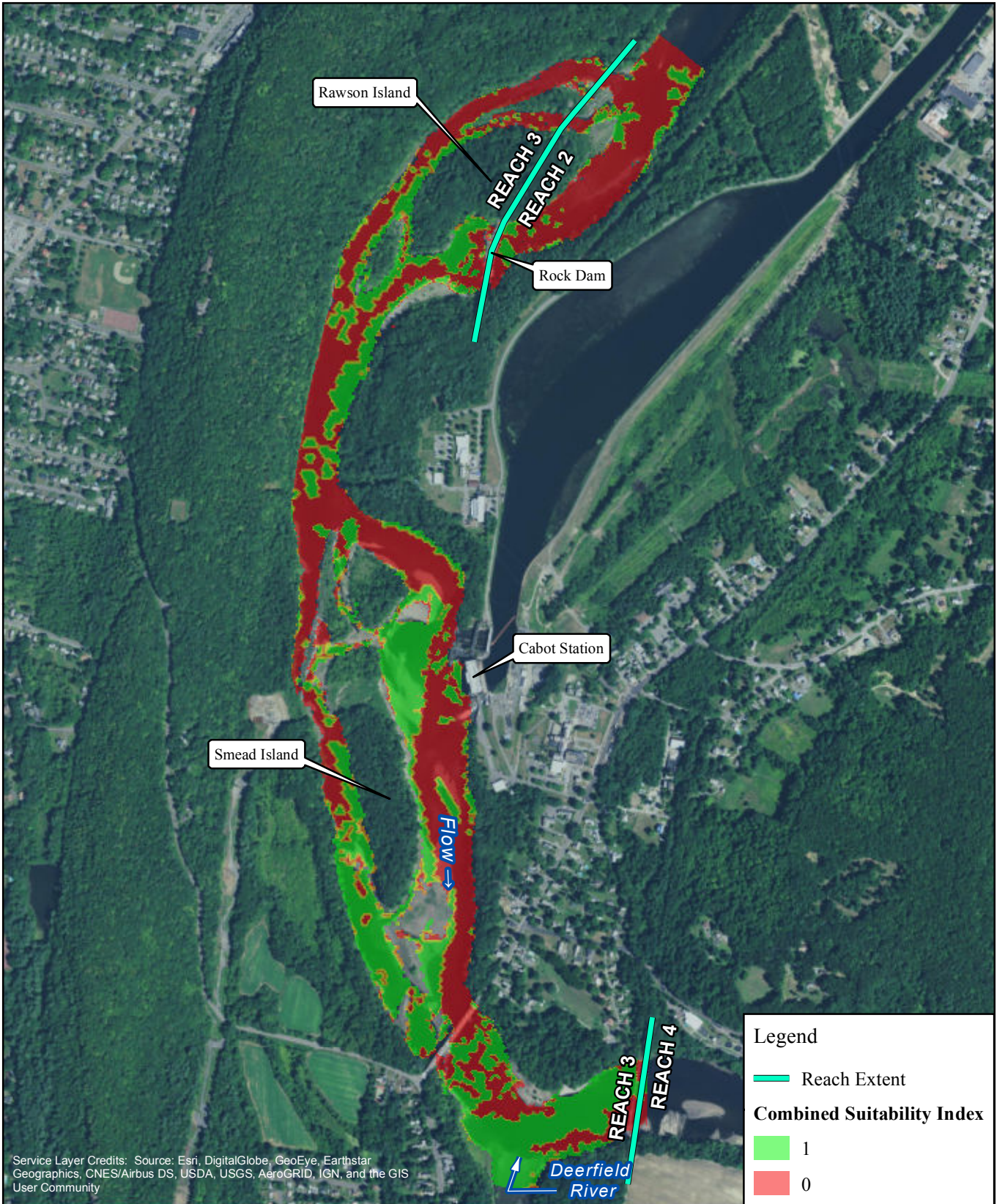


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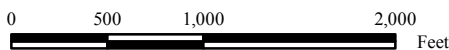


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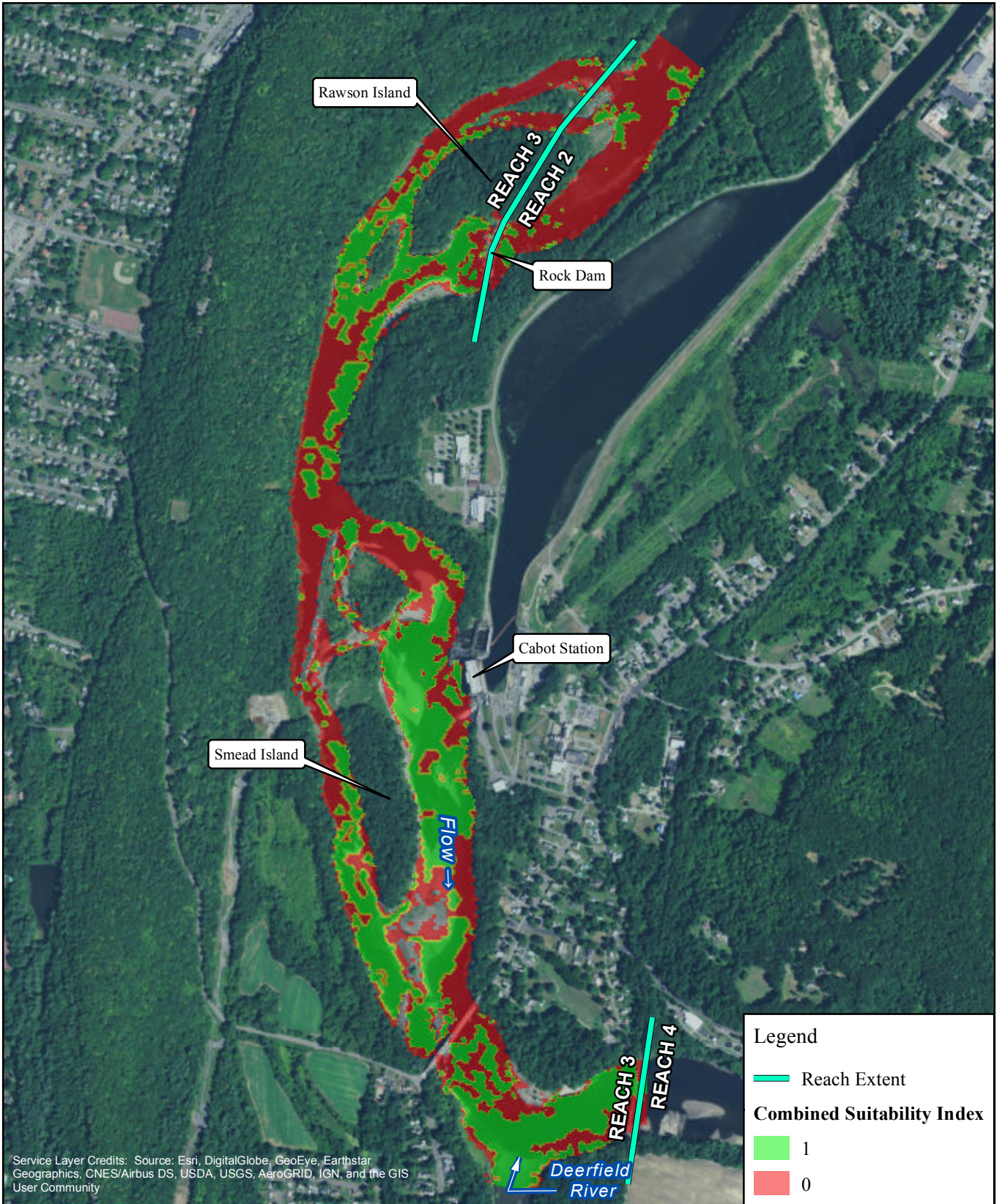


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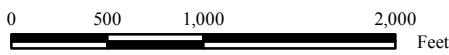
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Combined Suitability Index

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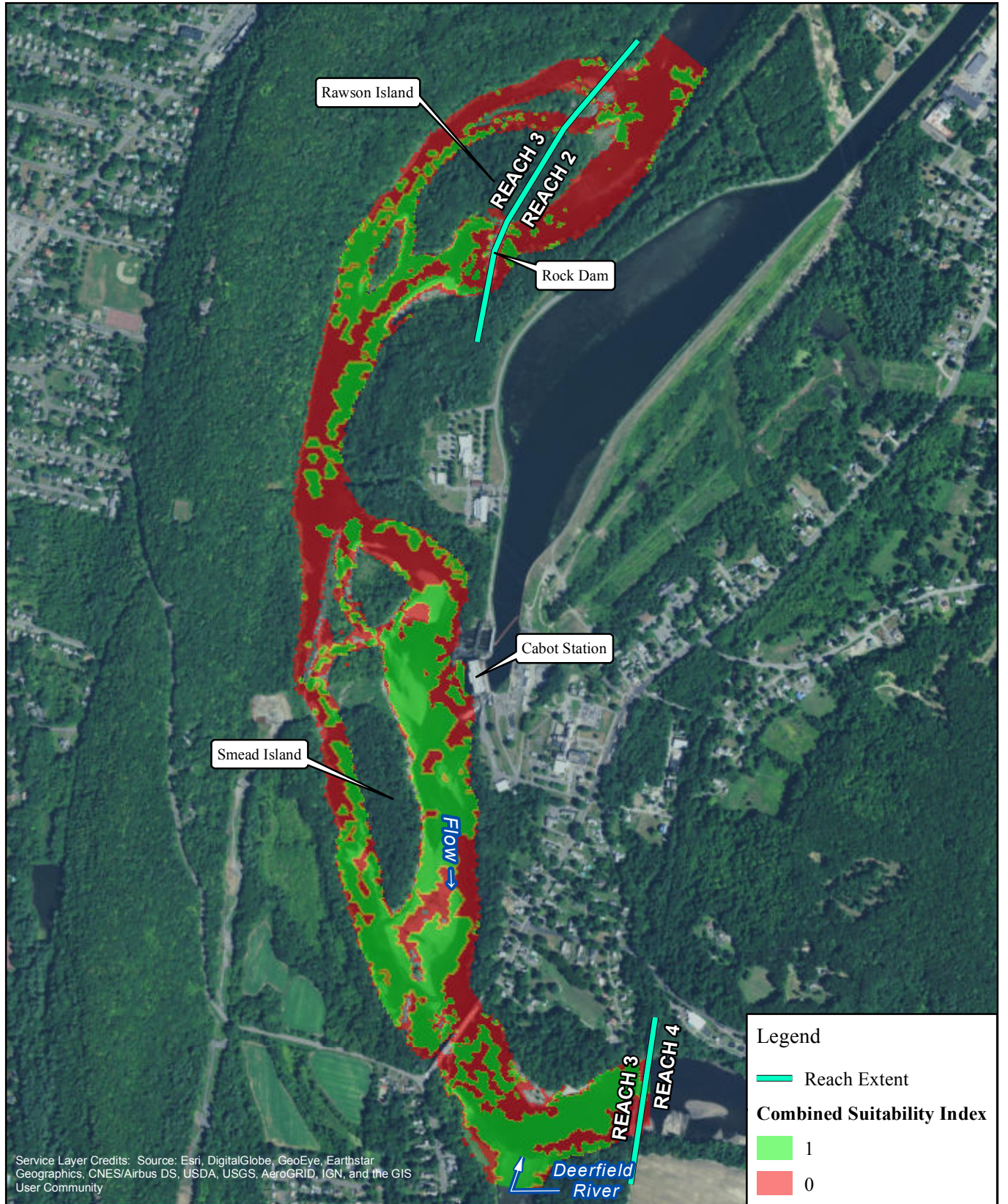


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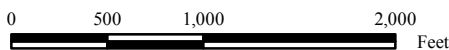


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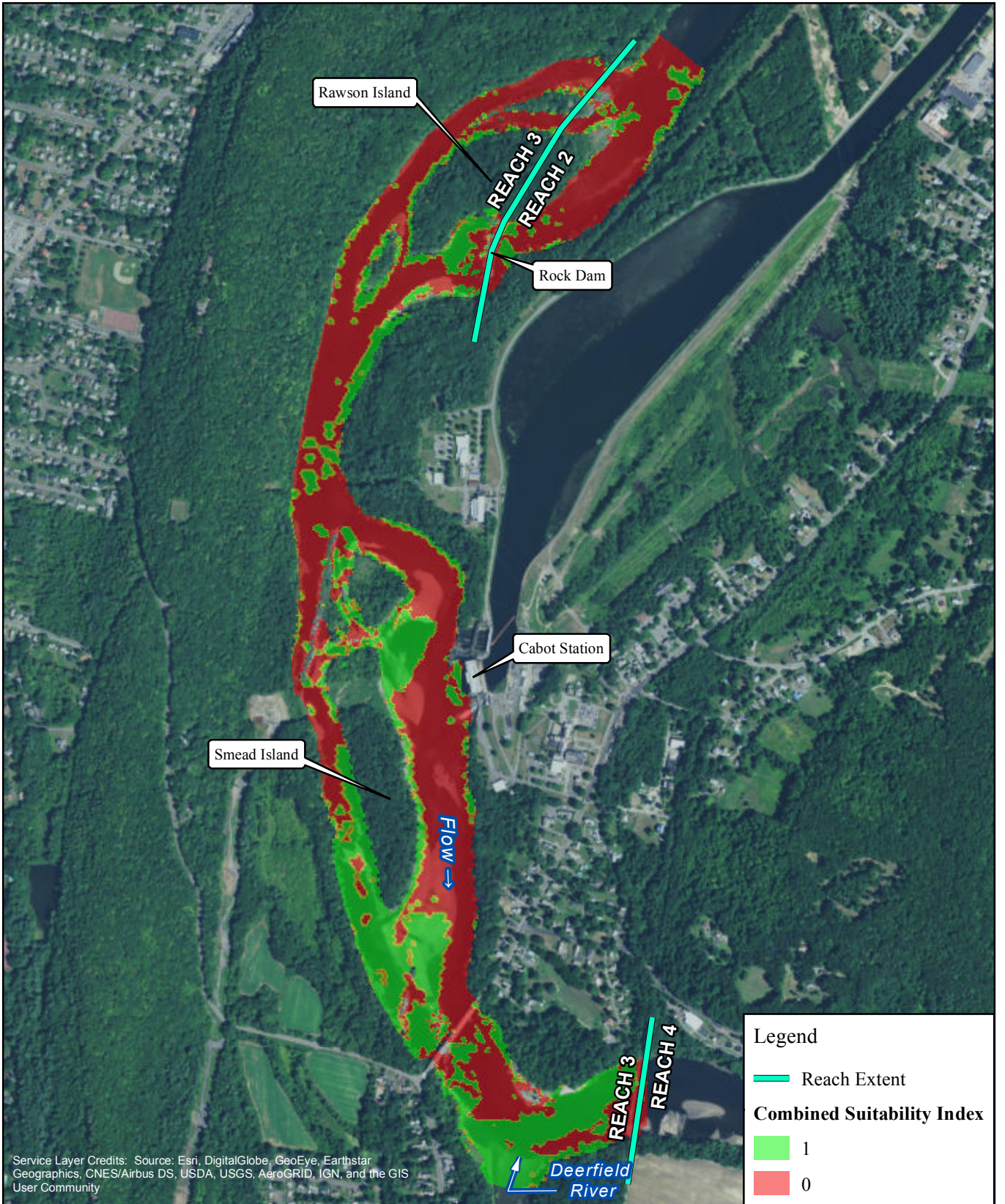


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Yellow Lampmussel-Juvenile
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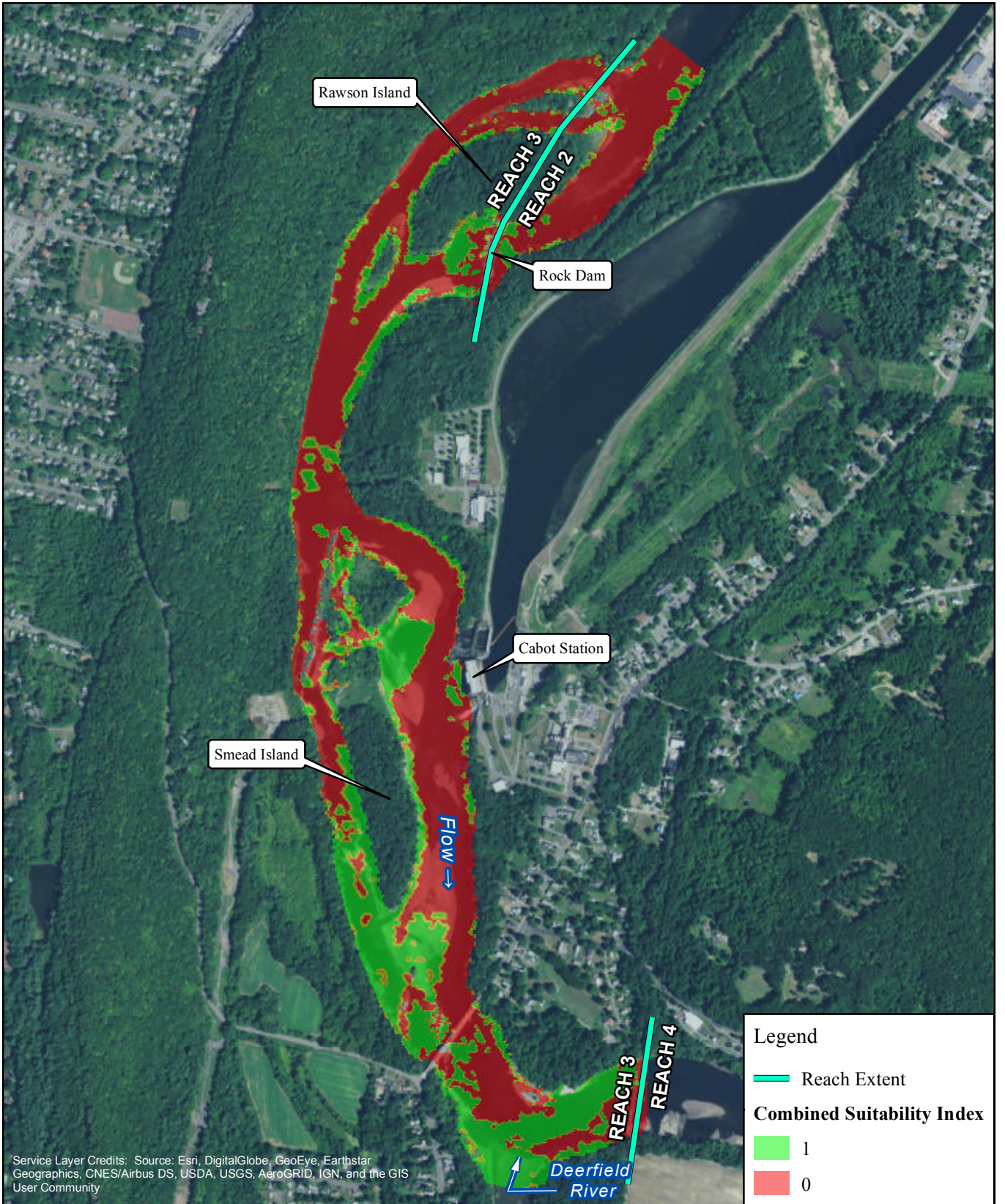
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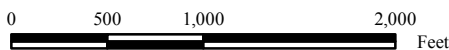
Yellow Lampmussel-Juvenile

Cabot Flow: 2500 cfs
 Bypass Flow: 6500 cfs
 Deerfield Flow: 200 cfs

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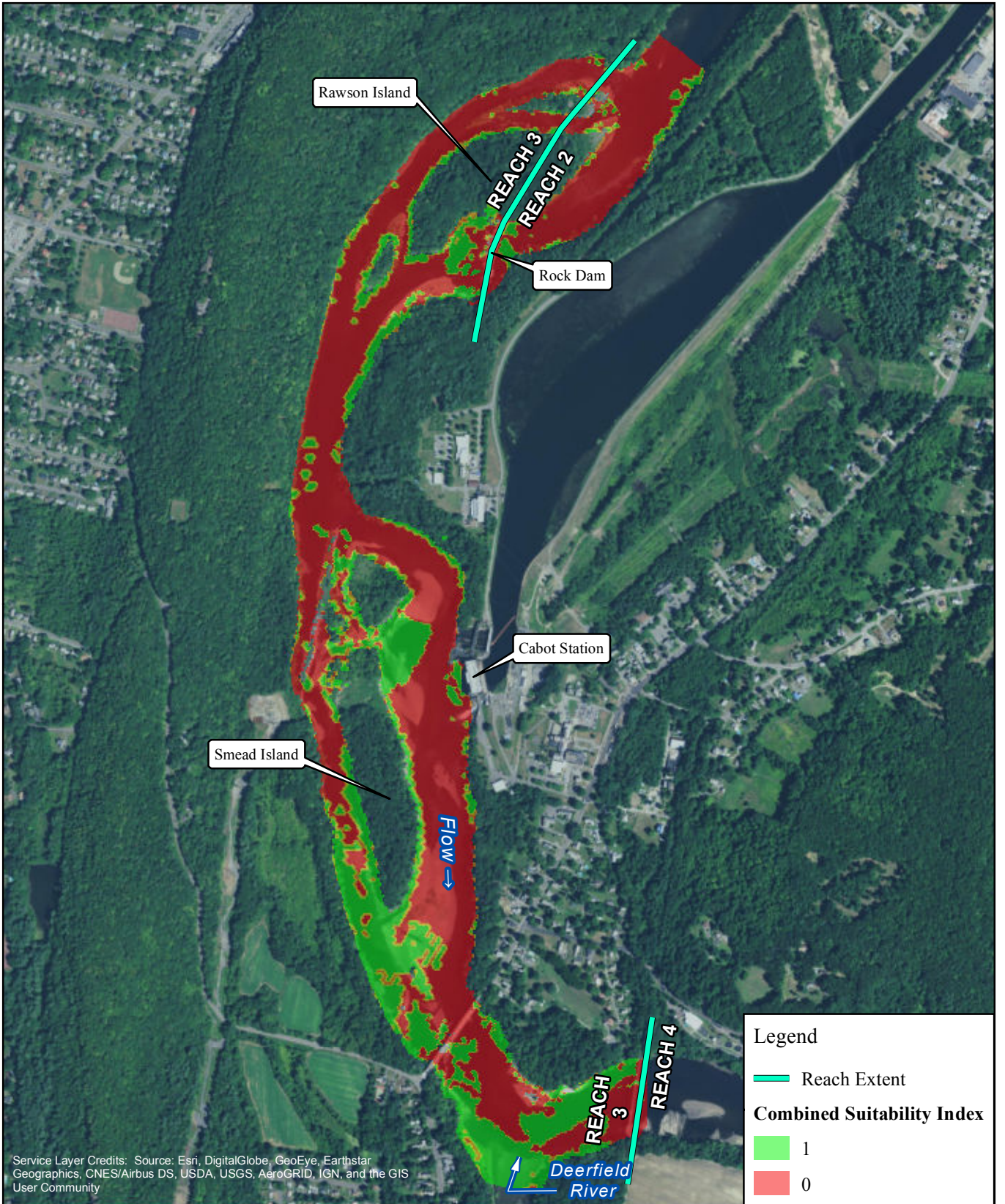


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Yellow Lampmussel-Juvenile
 Cabot Flow: 2500 cfs
 Bypass Flow: 8000 cfs
 Deerfield Flow: 200 cfs

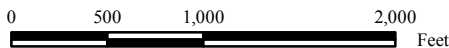
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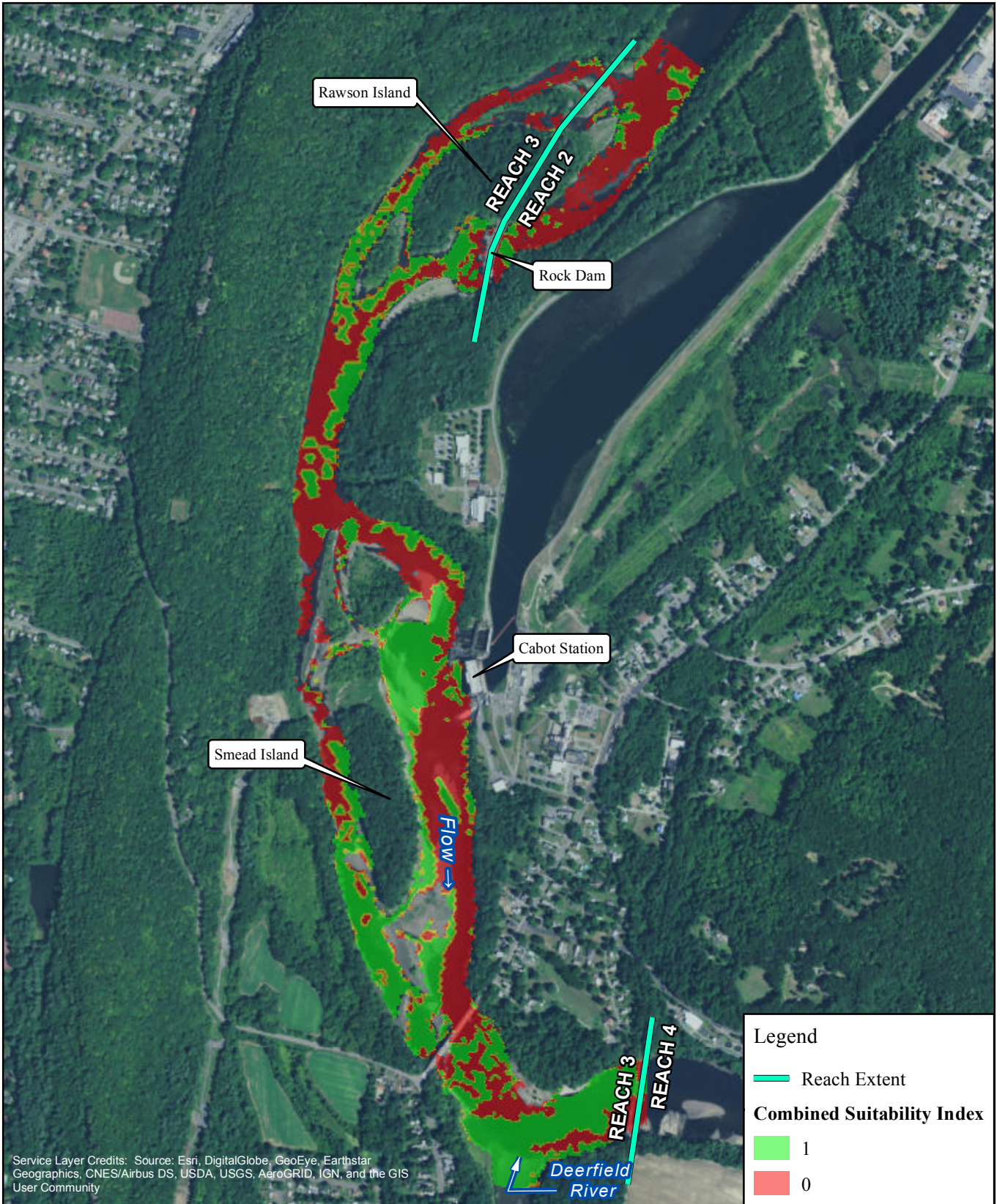


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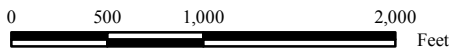
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Legend

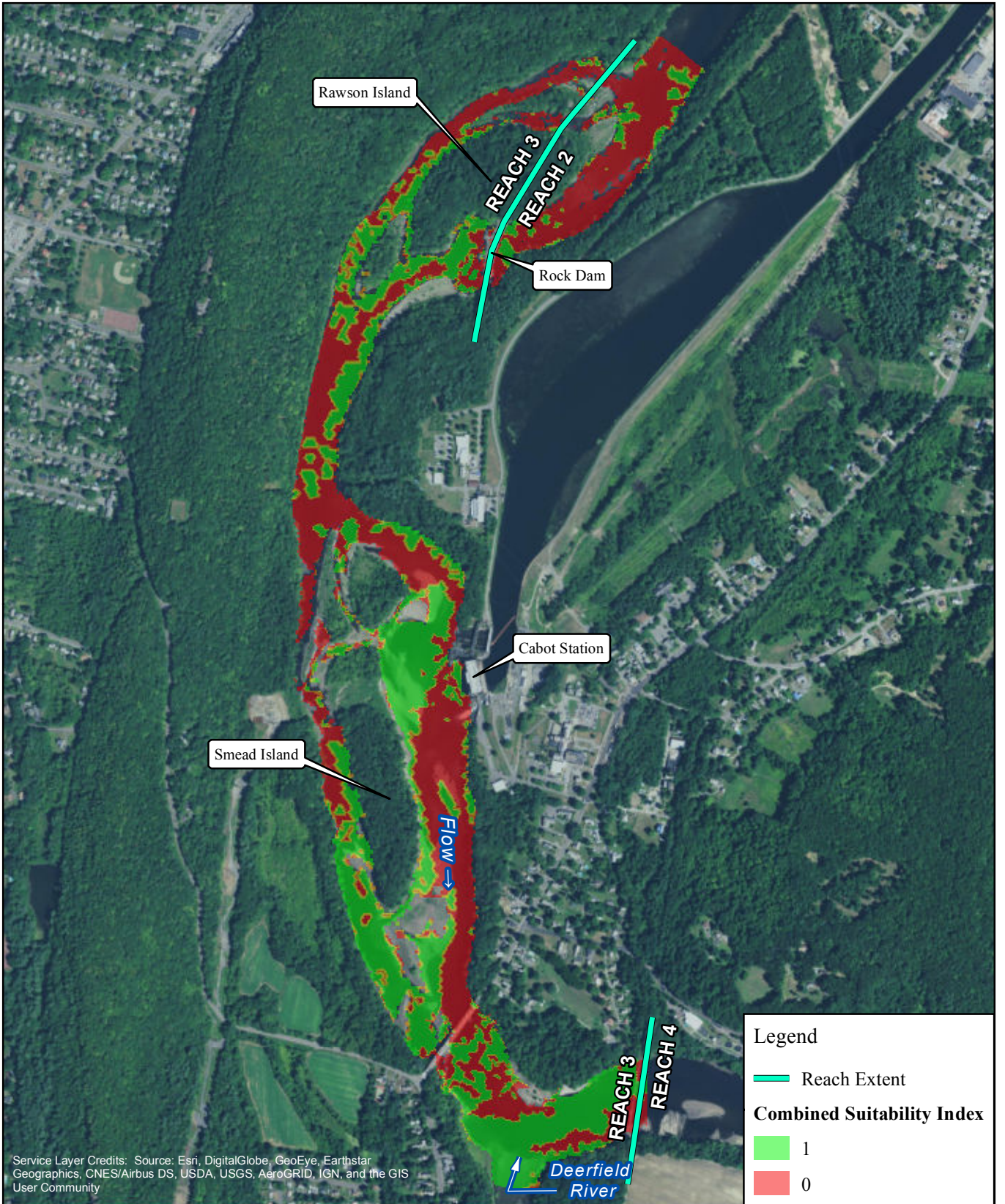
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Combined Suitability Index

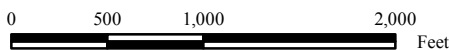
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Yellow Lampmussel-Juvenile
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 Bypass Flow: 200 cfs
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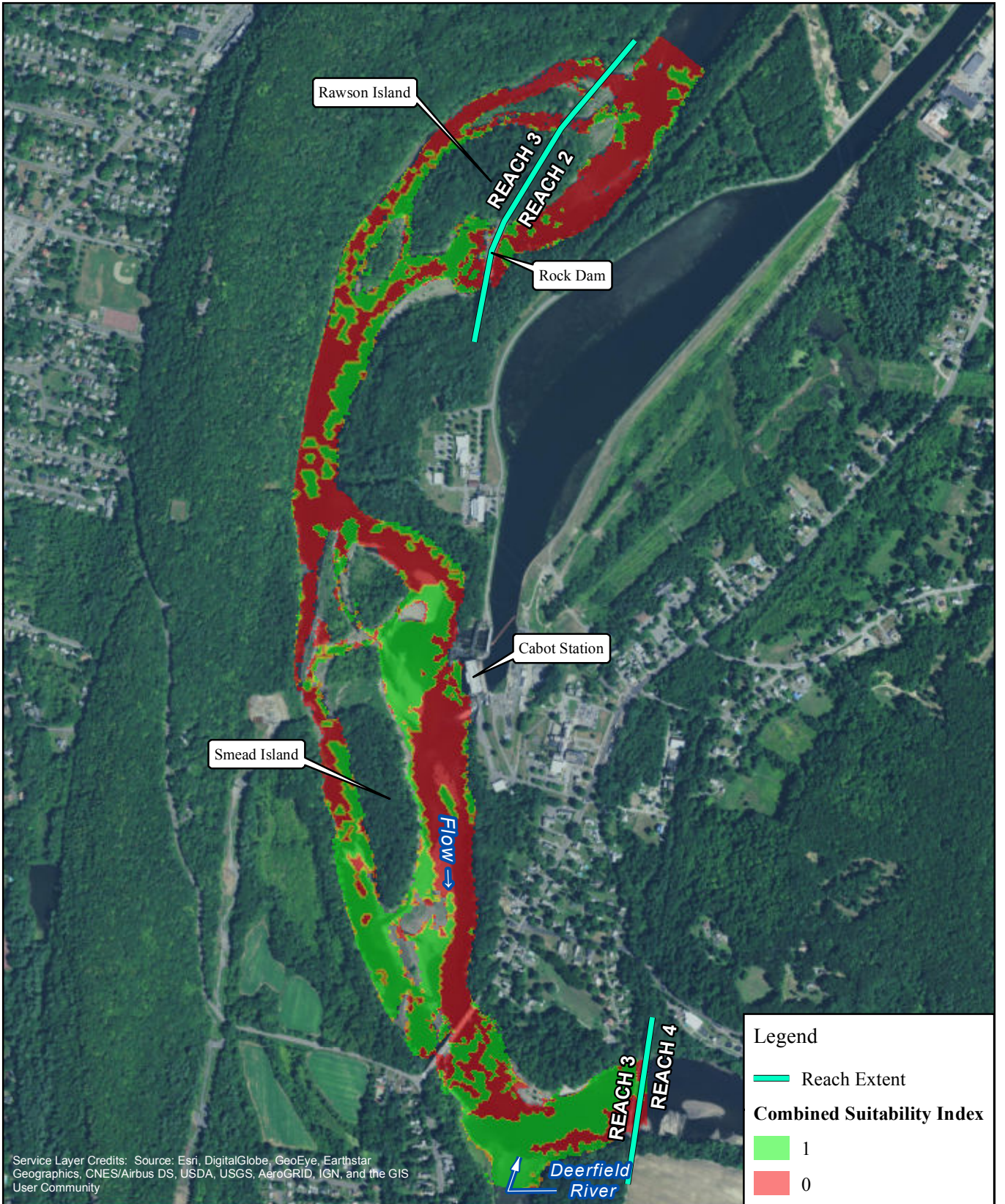


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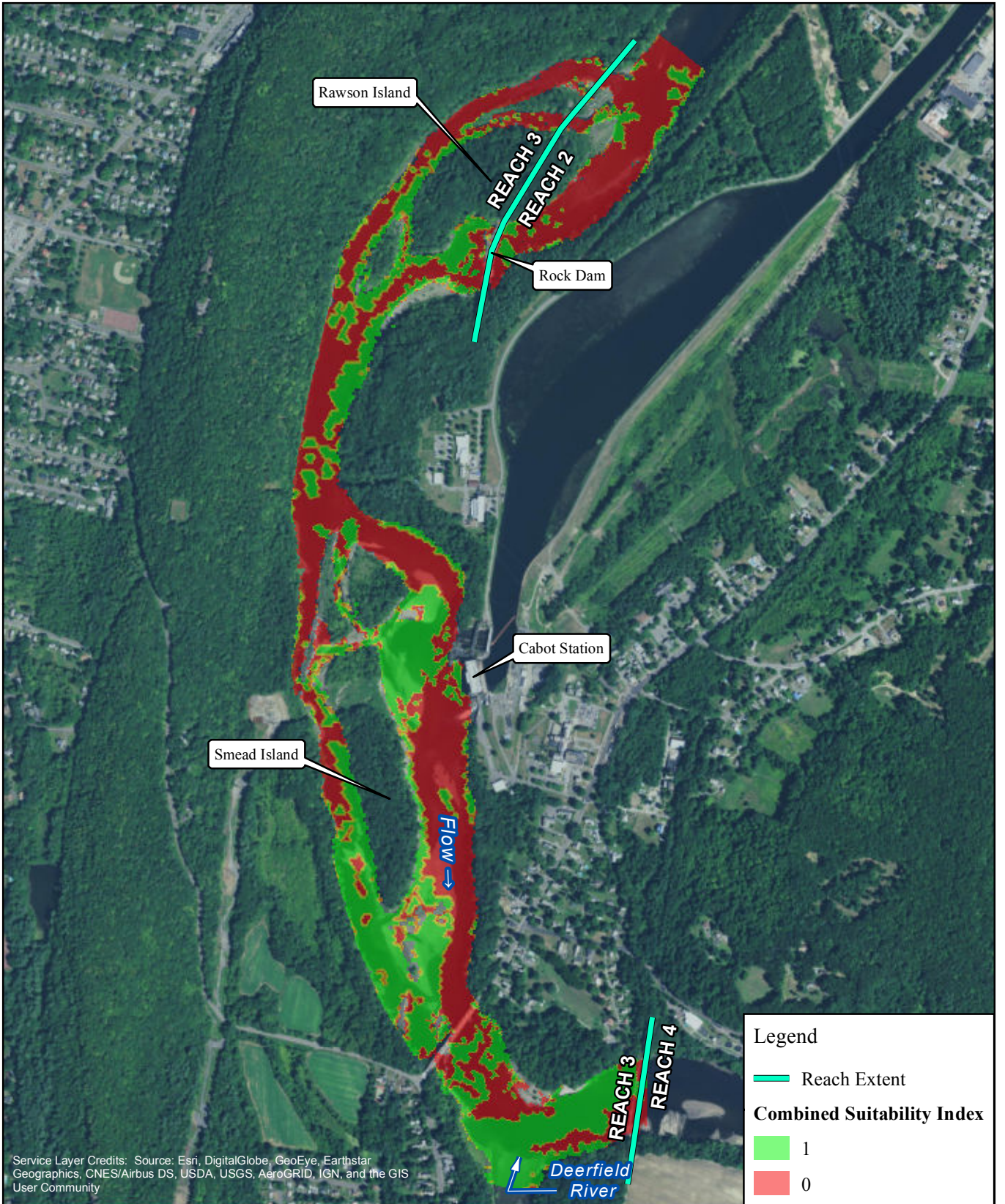
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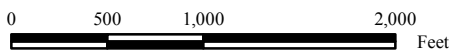
0 500 1,000 2,000 Feet

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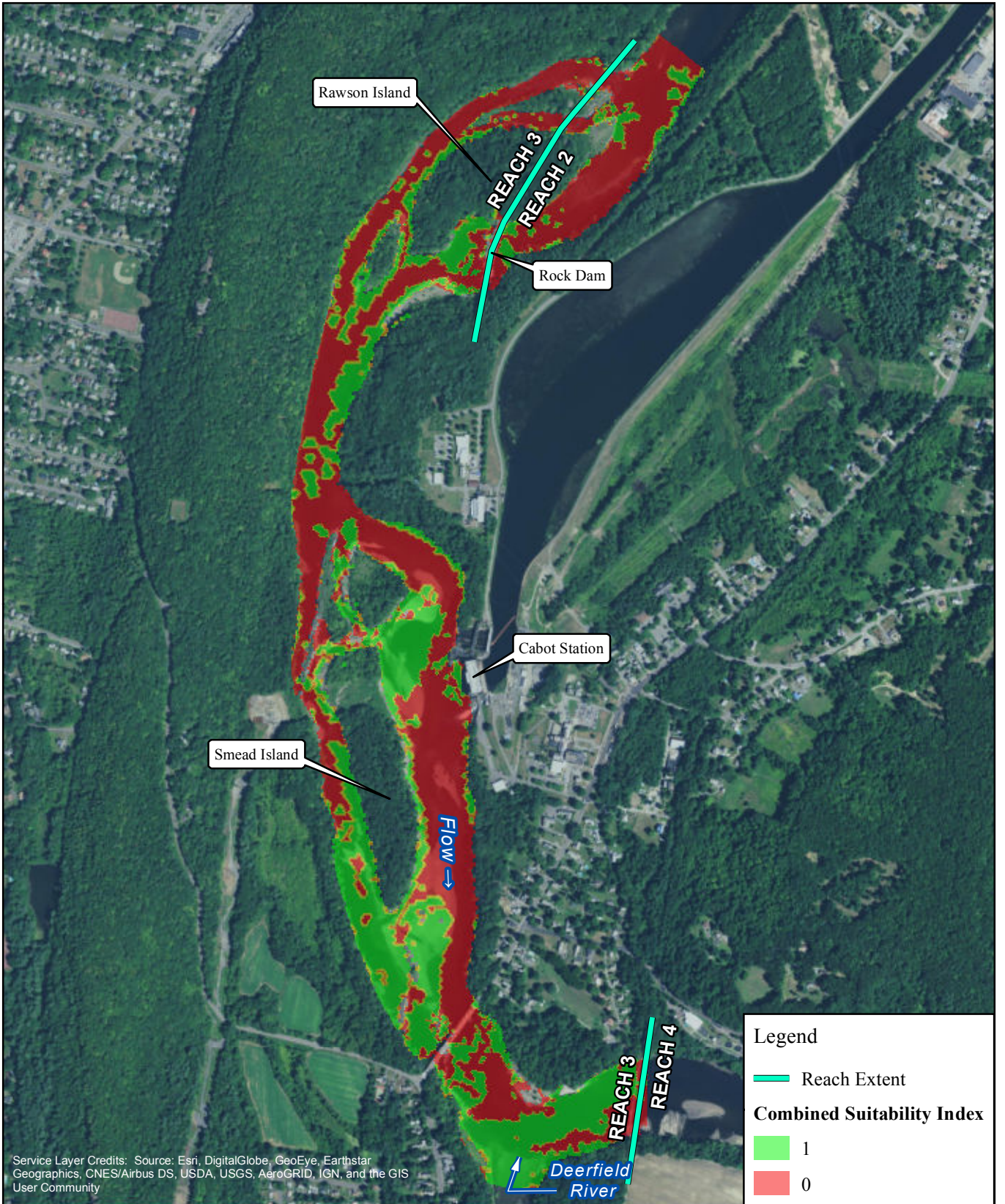


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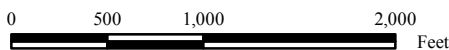


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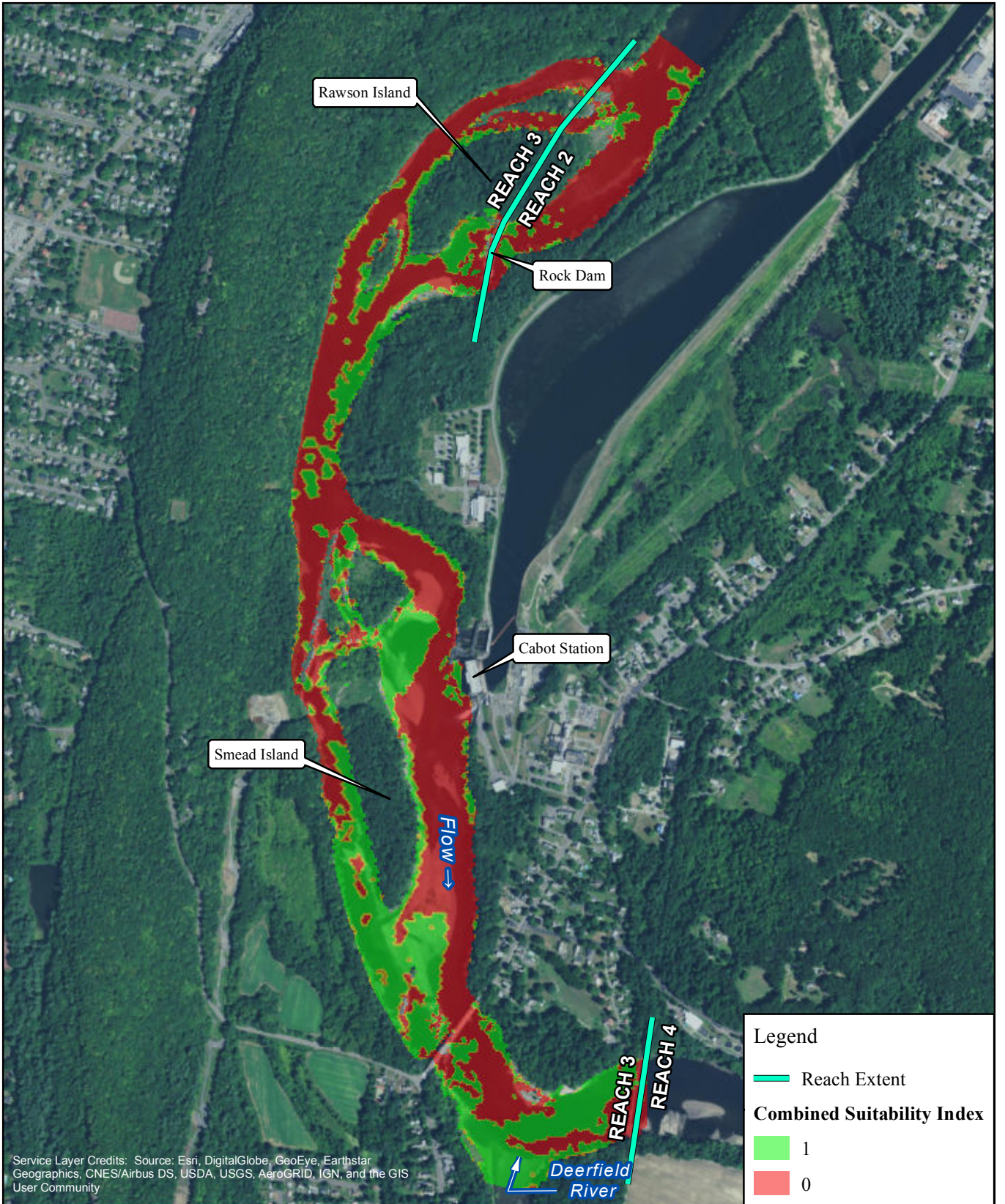


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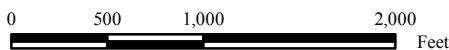


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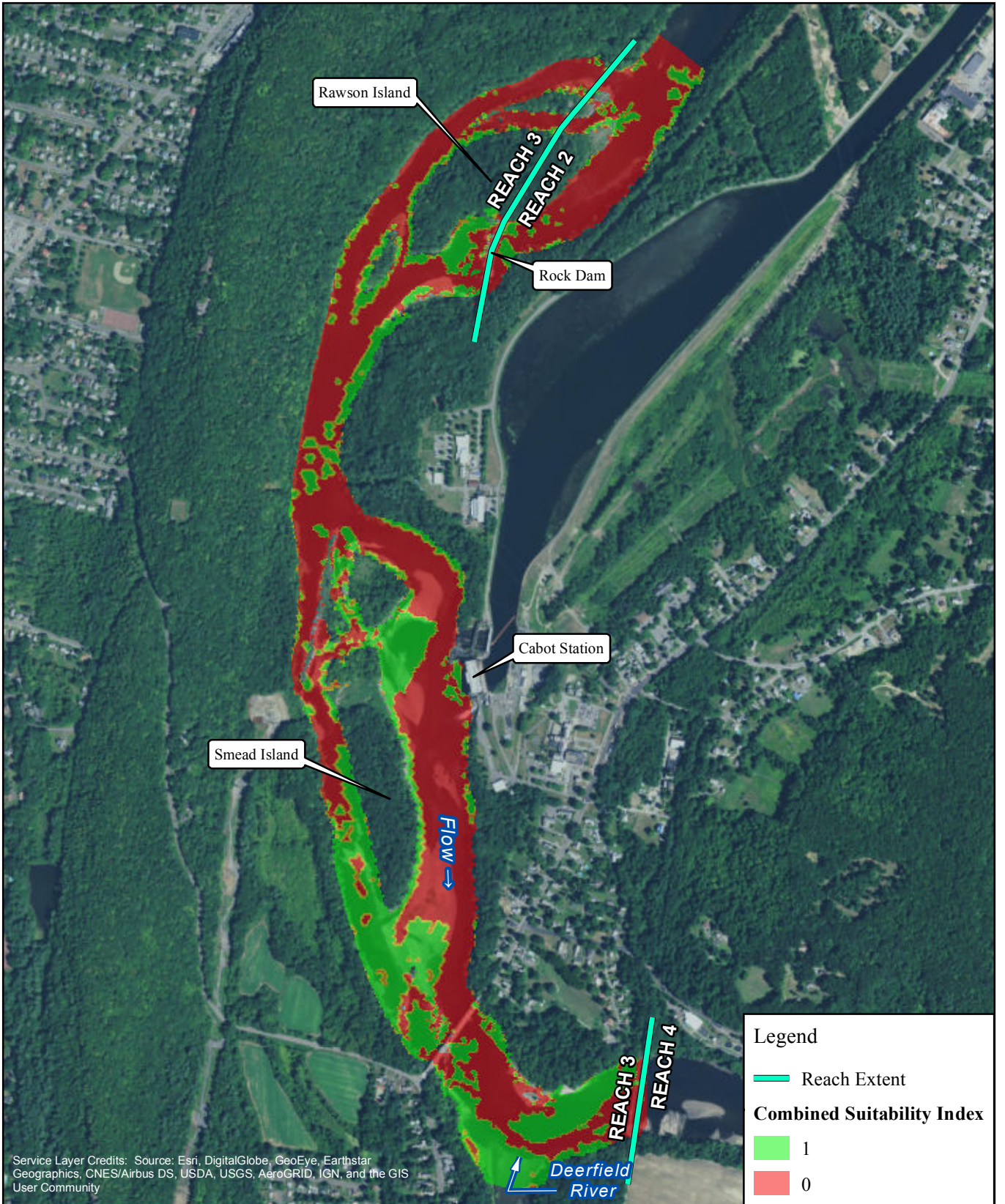


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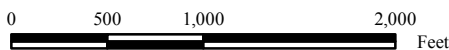


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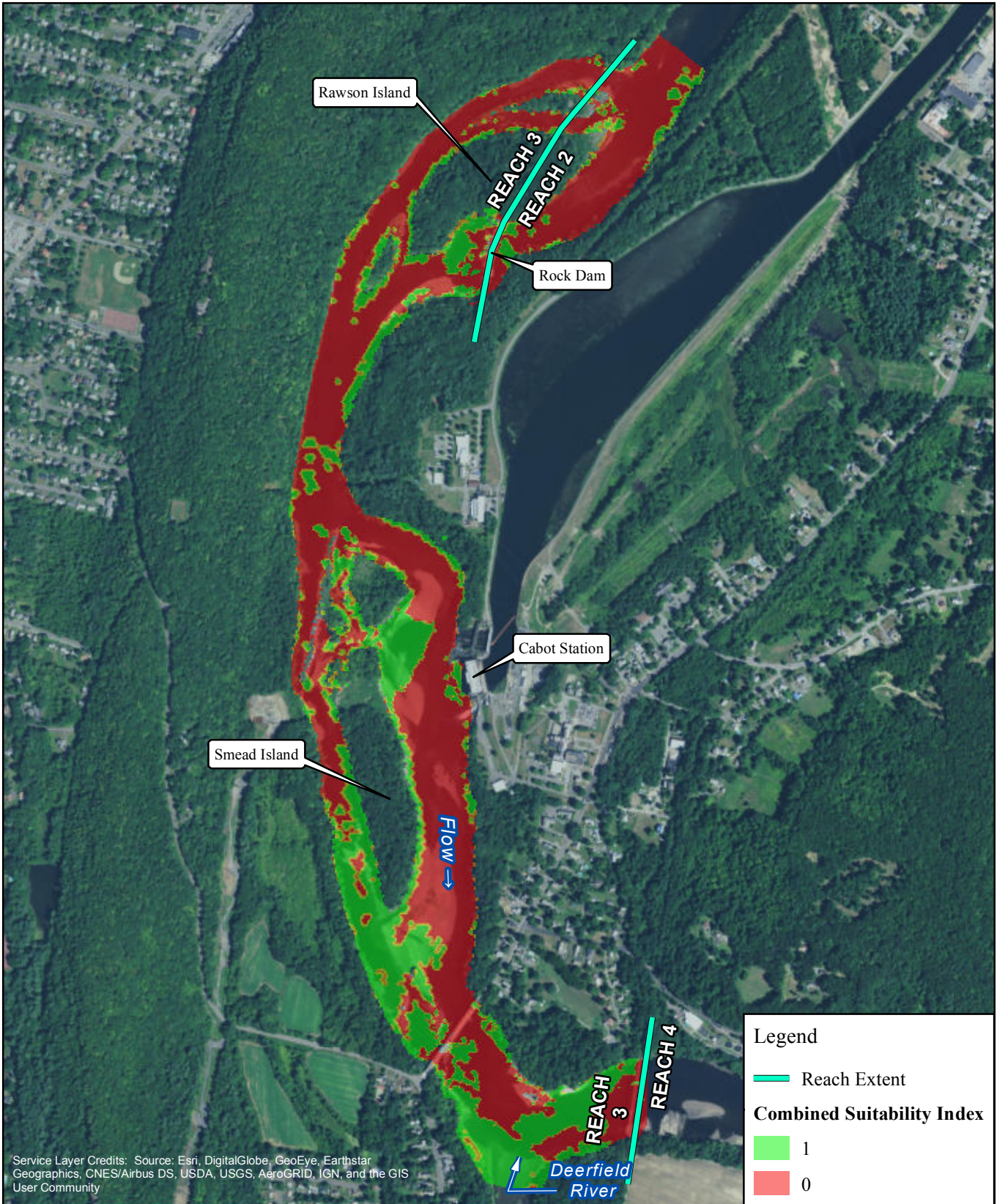


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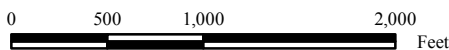


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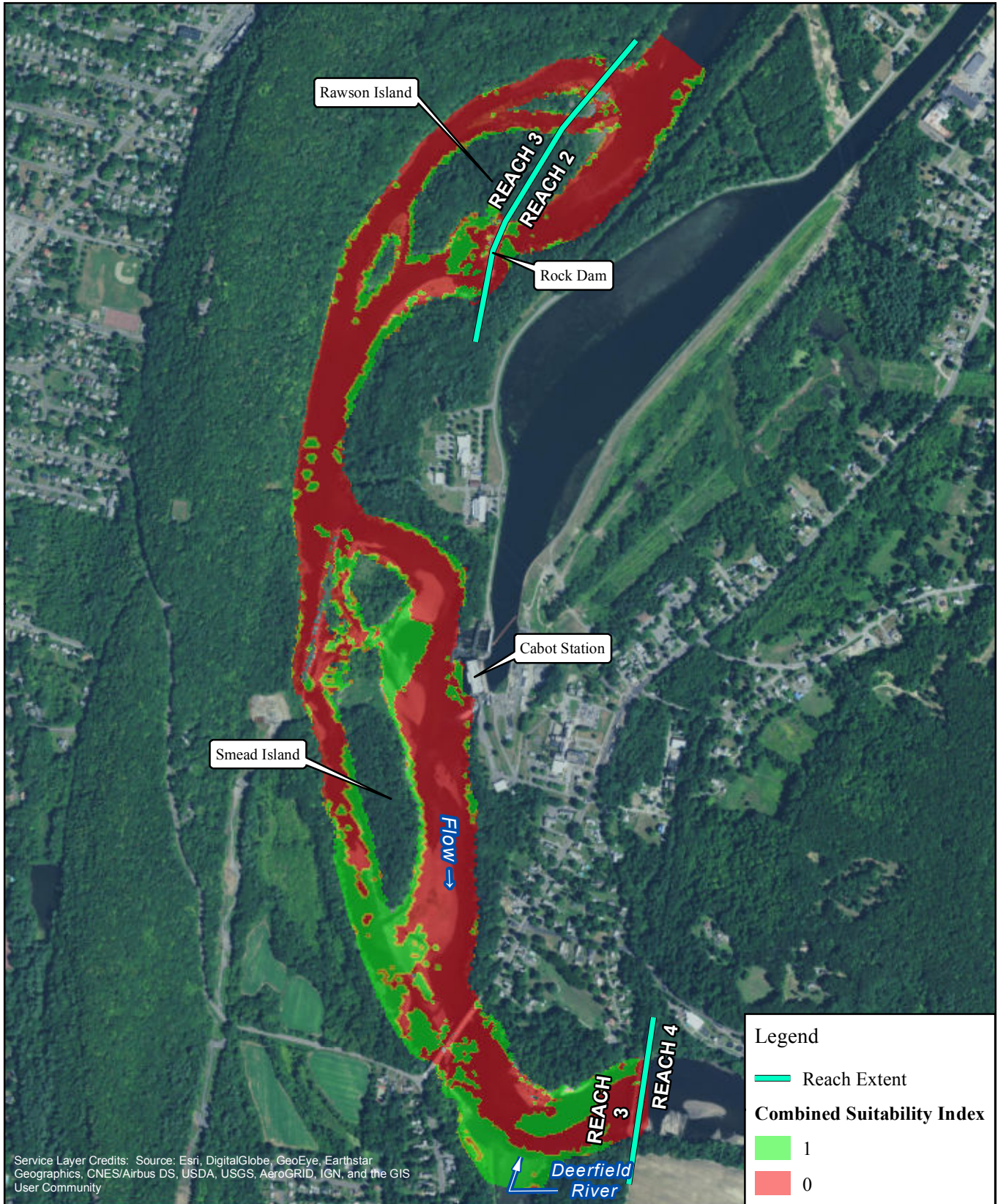


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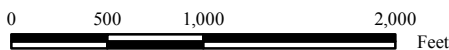


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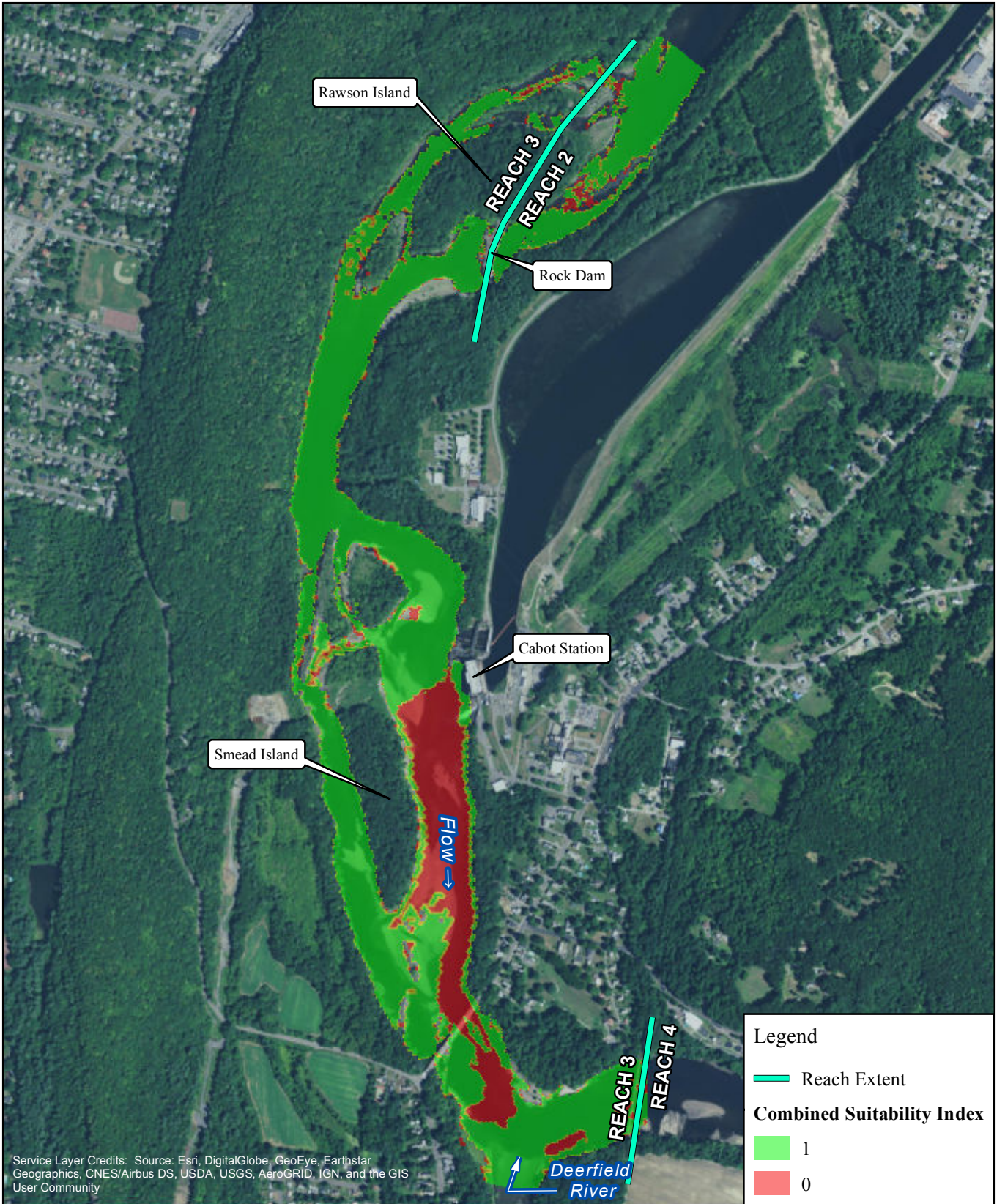


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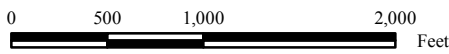
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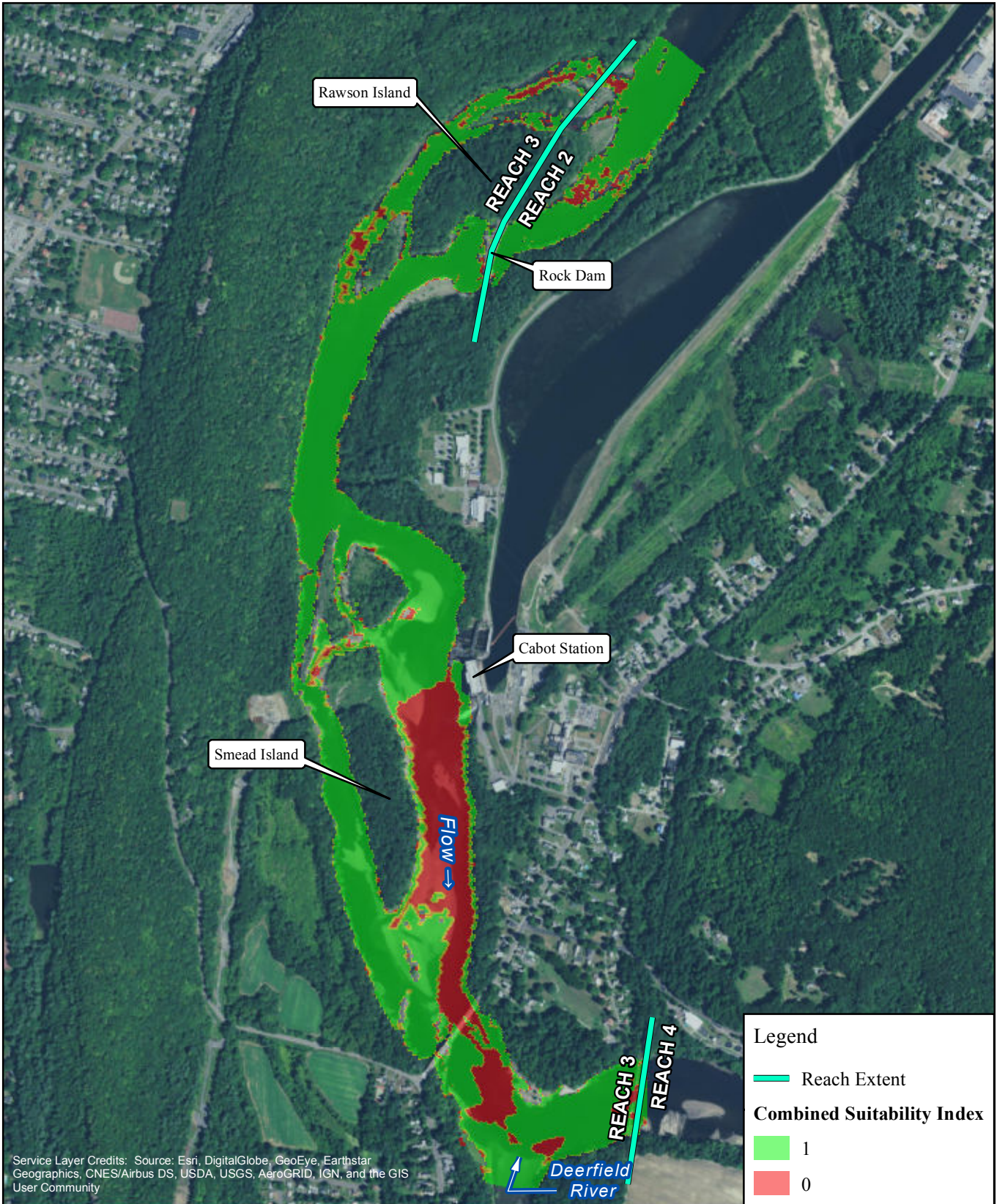




Yellow Lampmussel-Juvenile

Cabot Flow: 7000 cfs
 Bypass Flow: 200 cfs
 Deerfield Flow: 200 cfs

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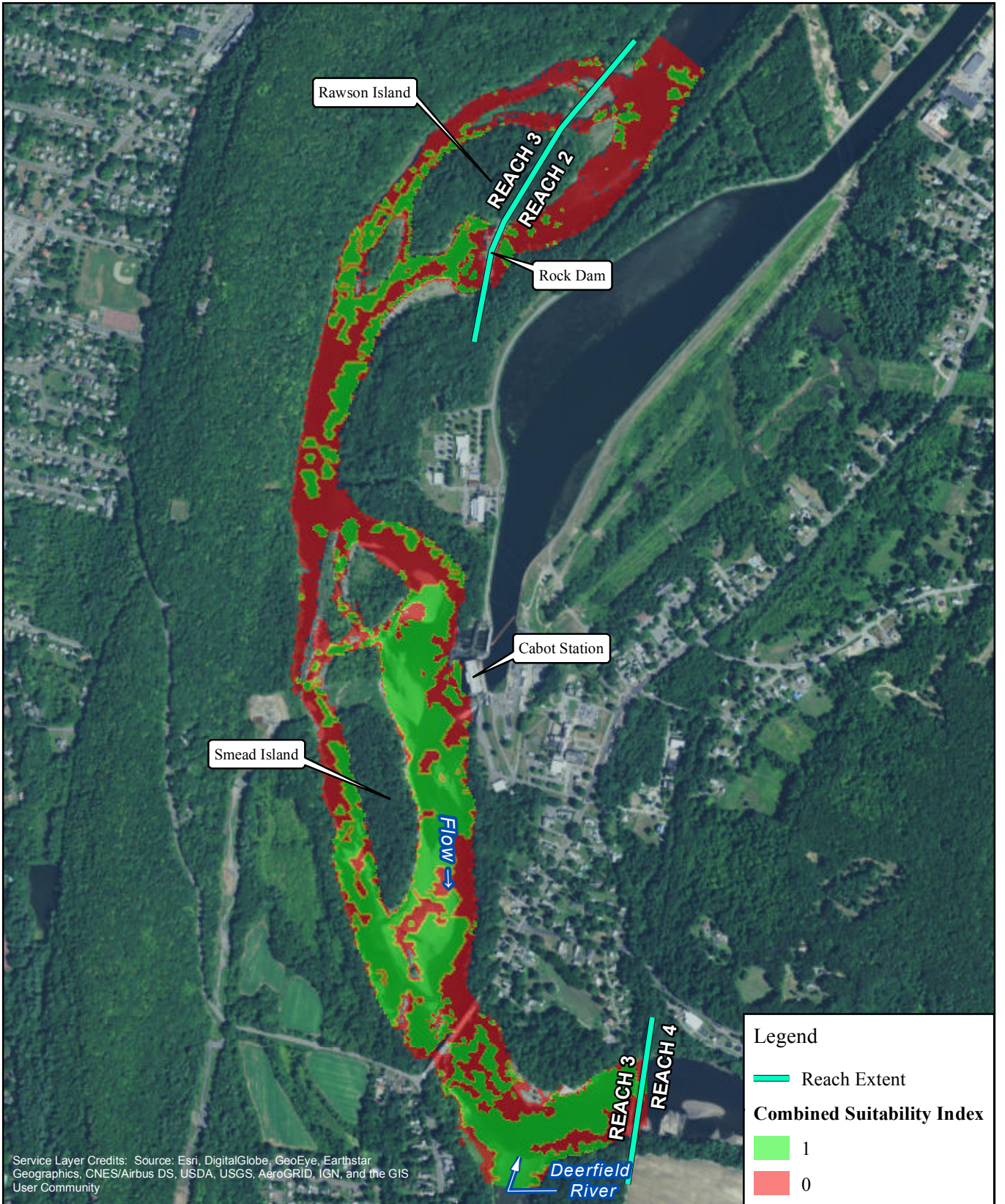
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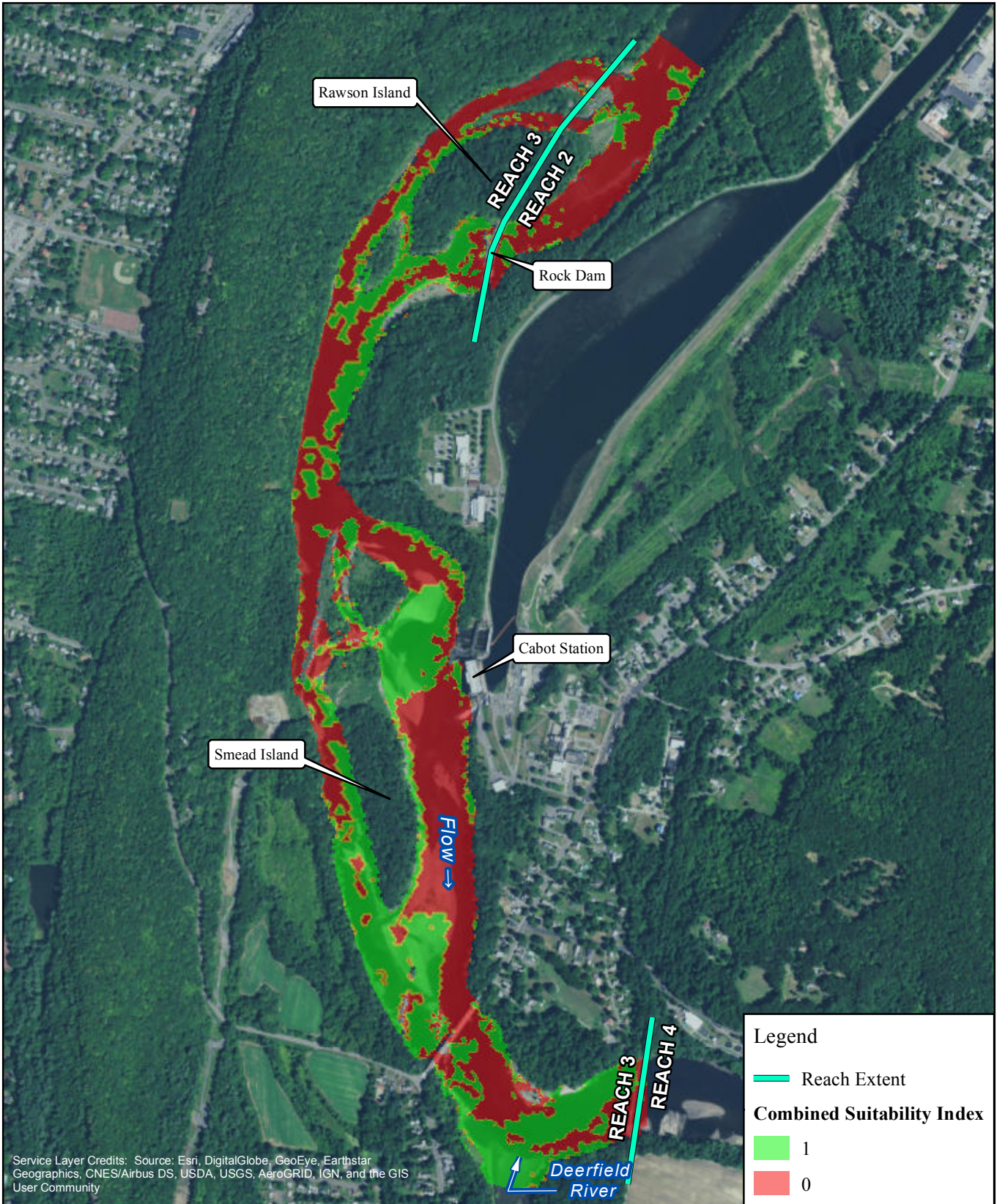
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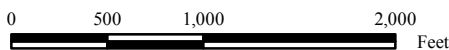
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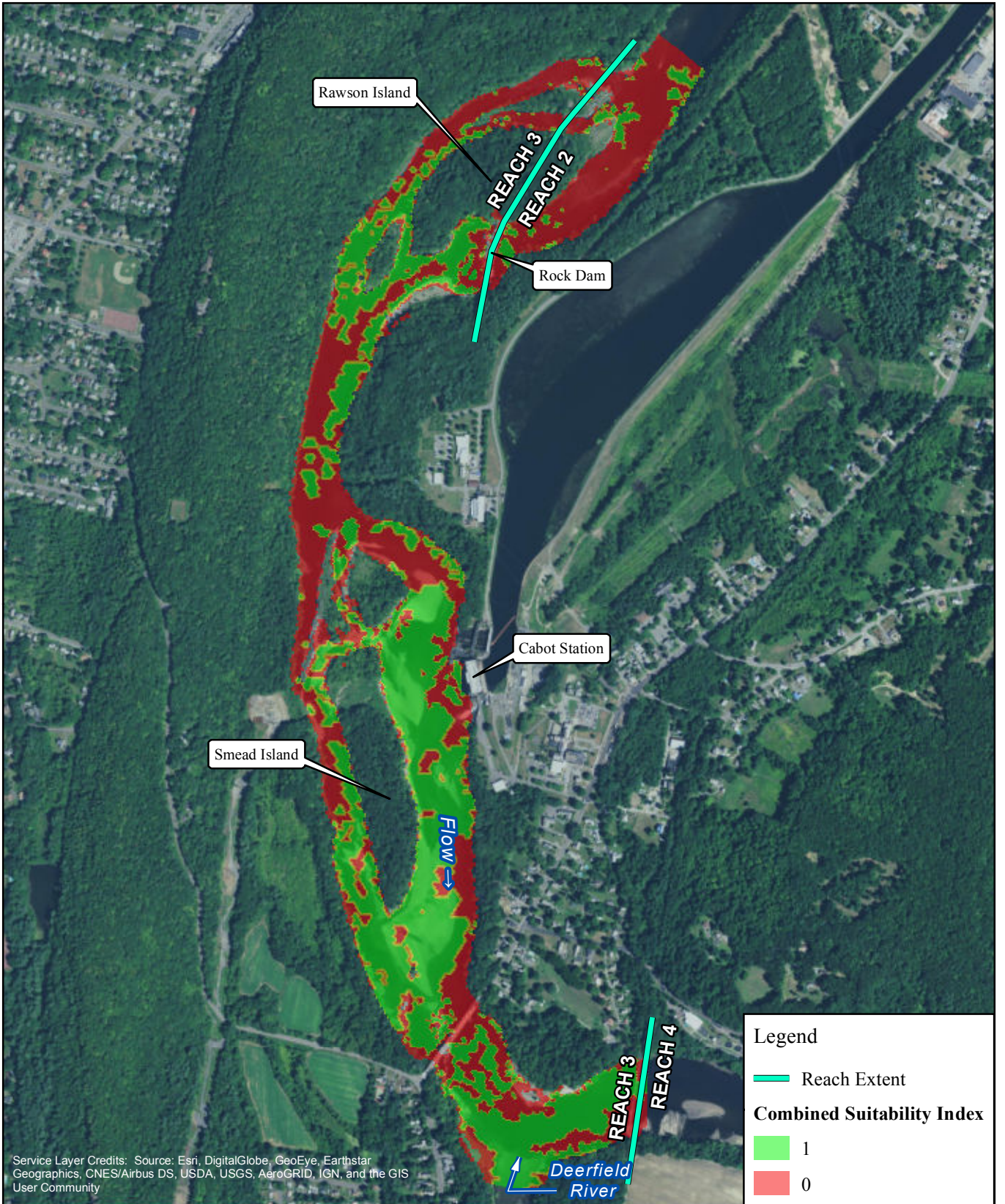


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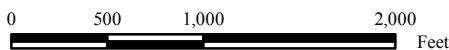


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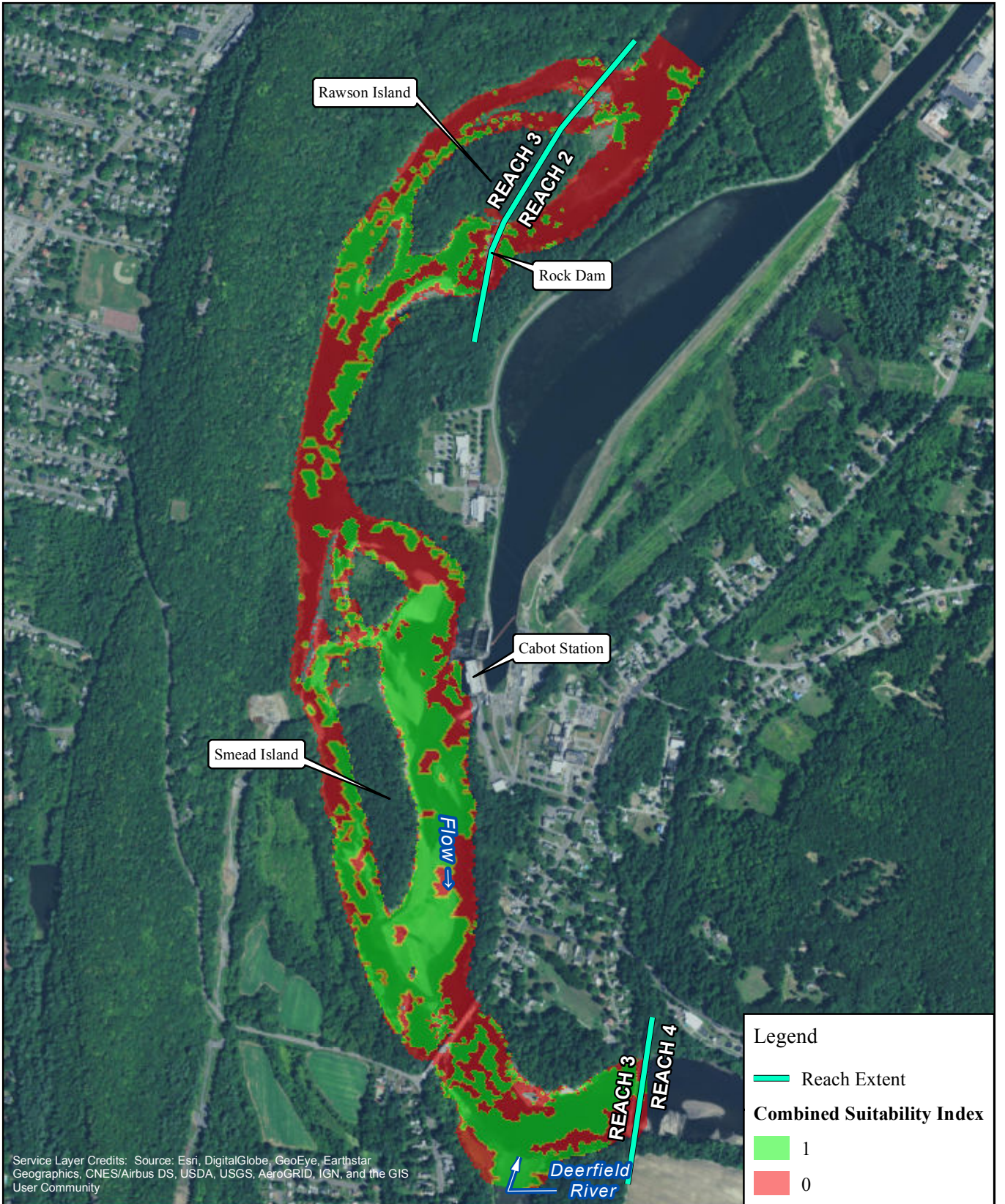


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Yellow Lampmussel-Juvenile
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 Deerfield Flow: 200 cfs

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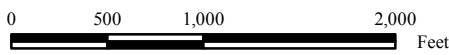
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Combined Suitability Index

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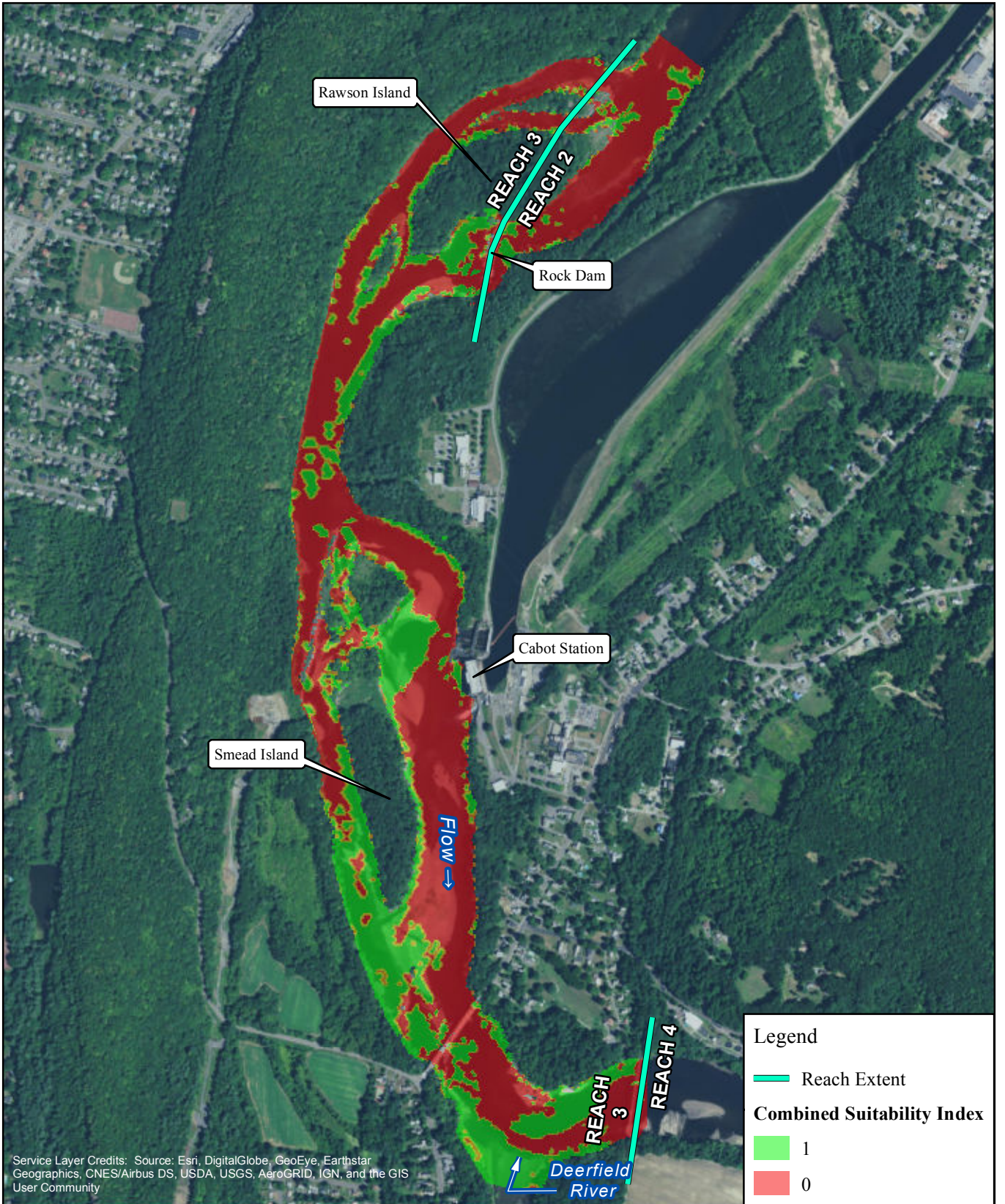


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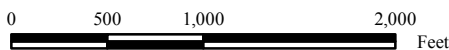


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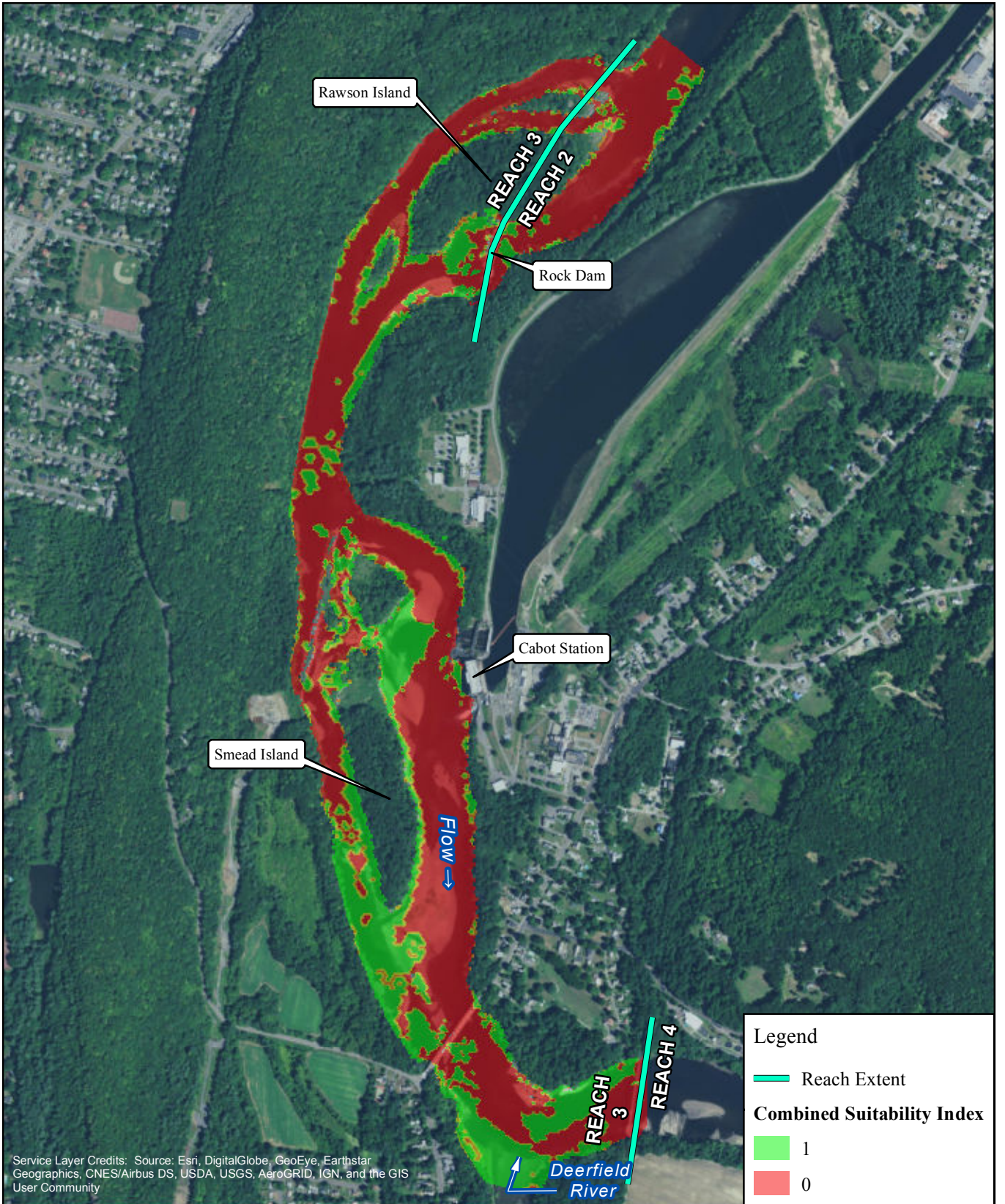


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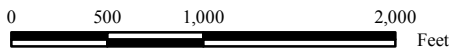
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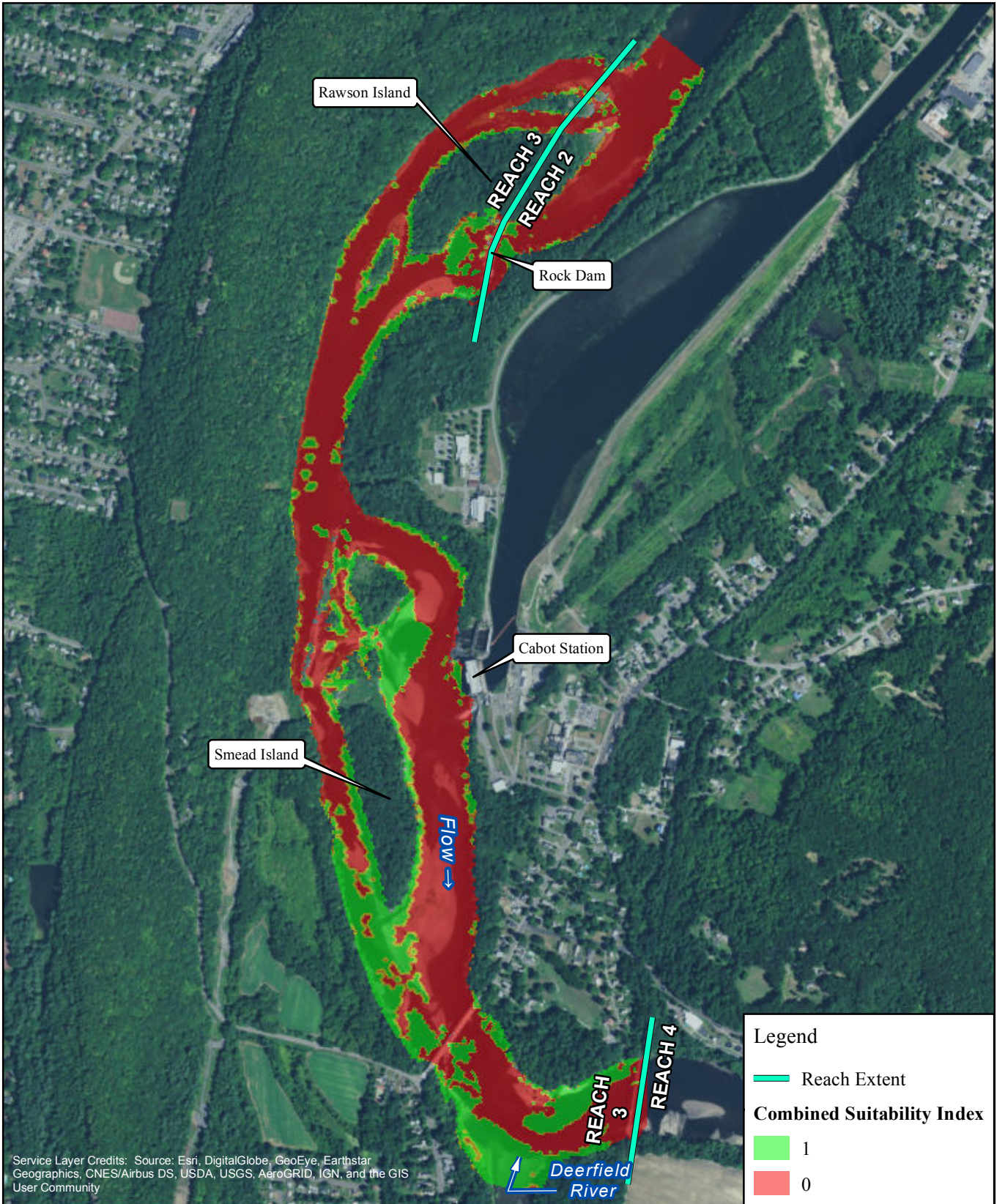


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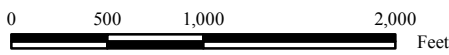
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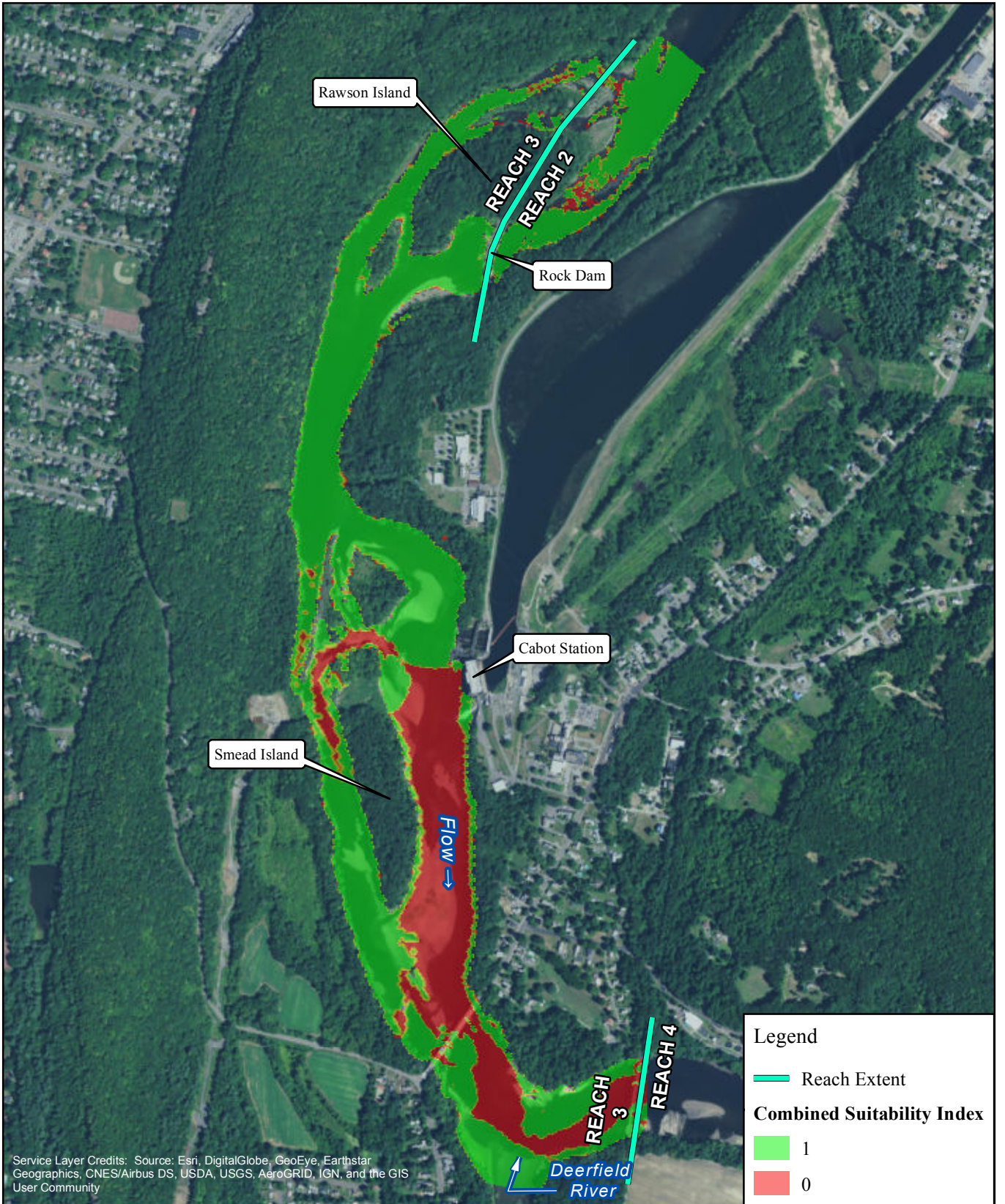


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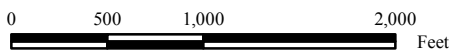
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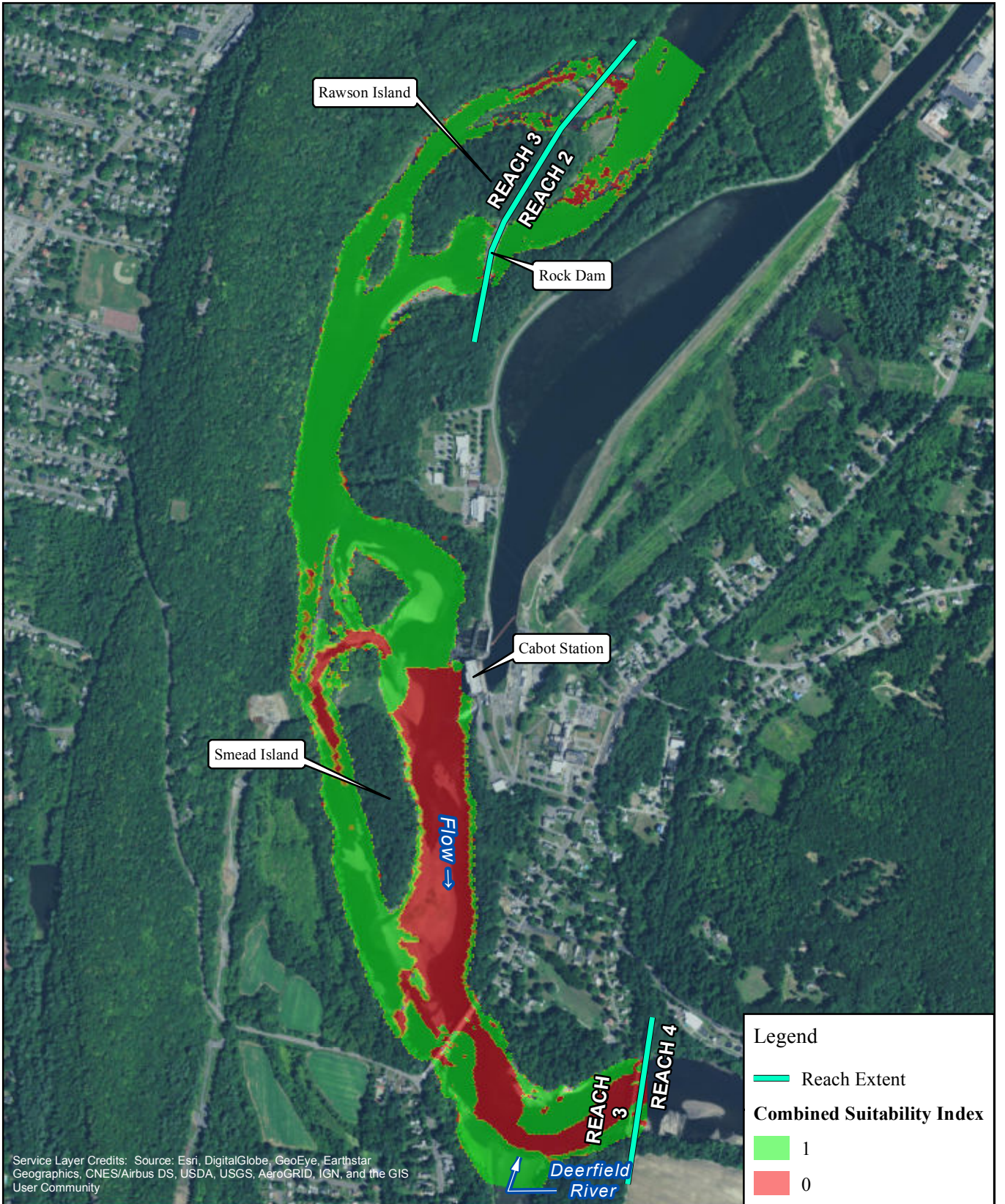


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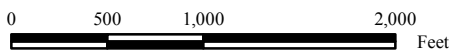


Yellow Lampmussel-Juvenile
 Cabot Flow: 14000 cfs
 Bypass Flow: 200 cfs
 Deerfield Flow: 200 cfs

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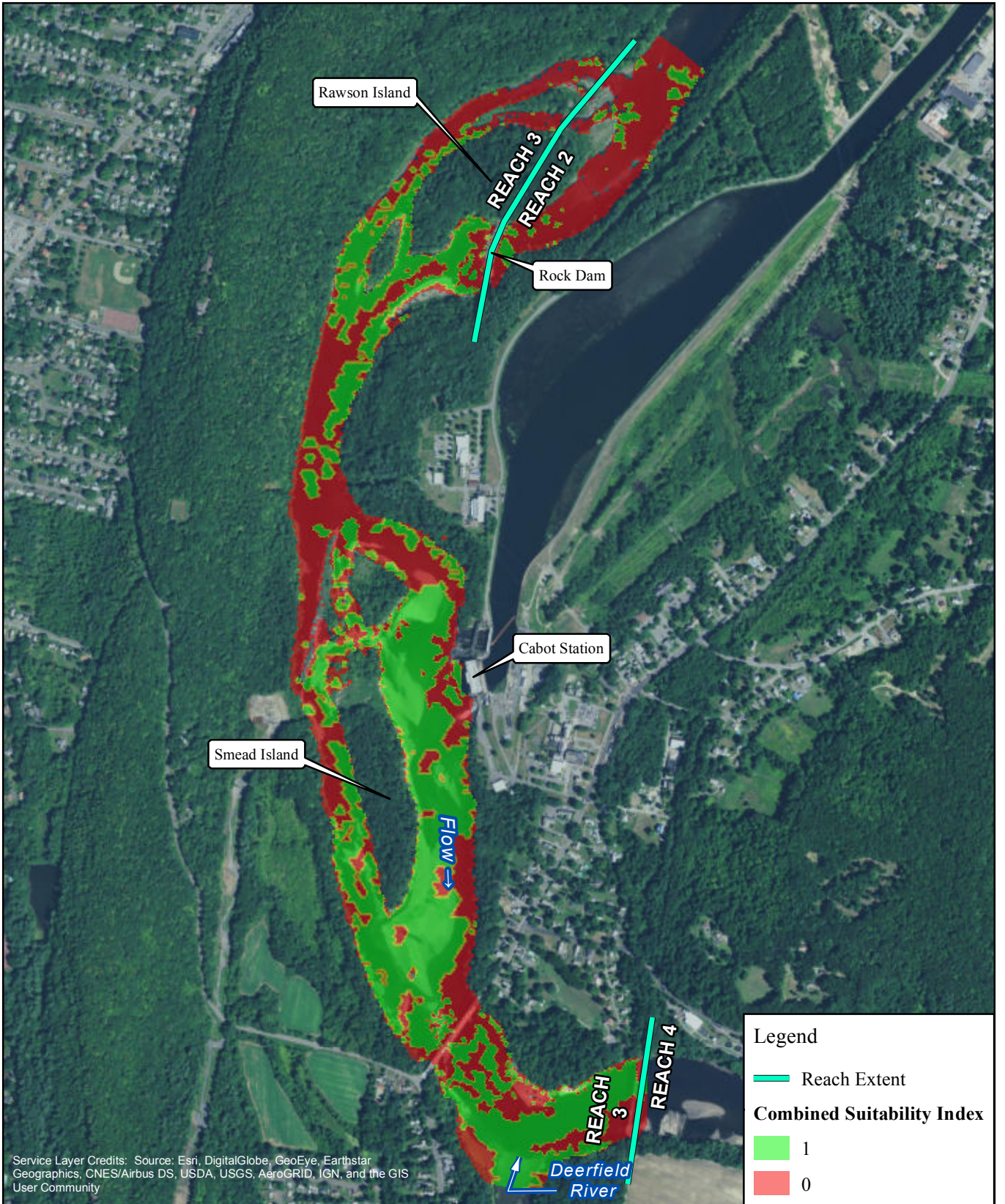


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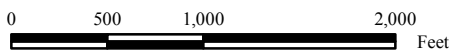
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 RELICENSING STUDY 3.3.1



Legend

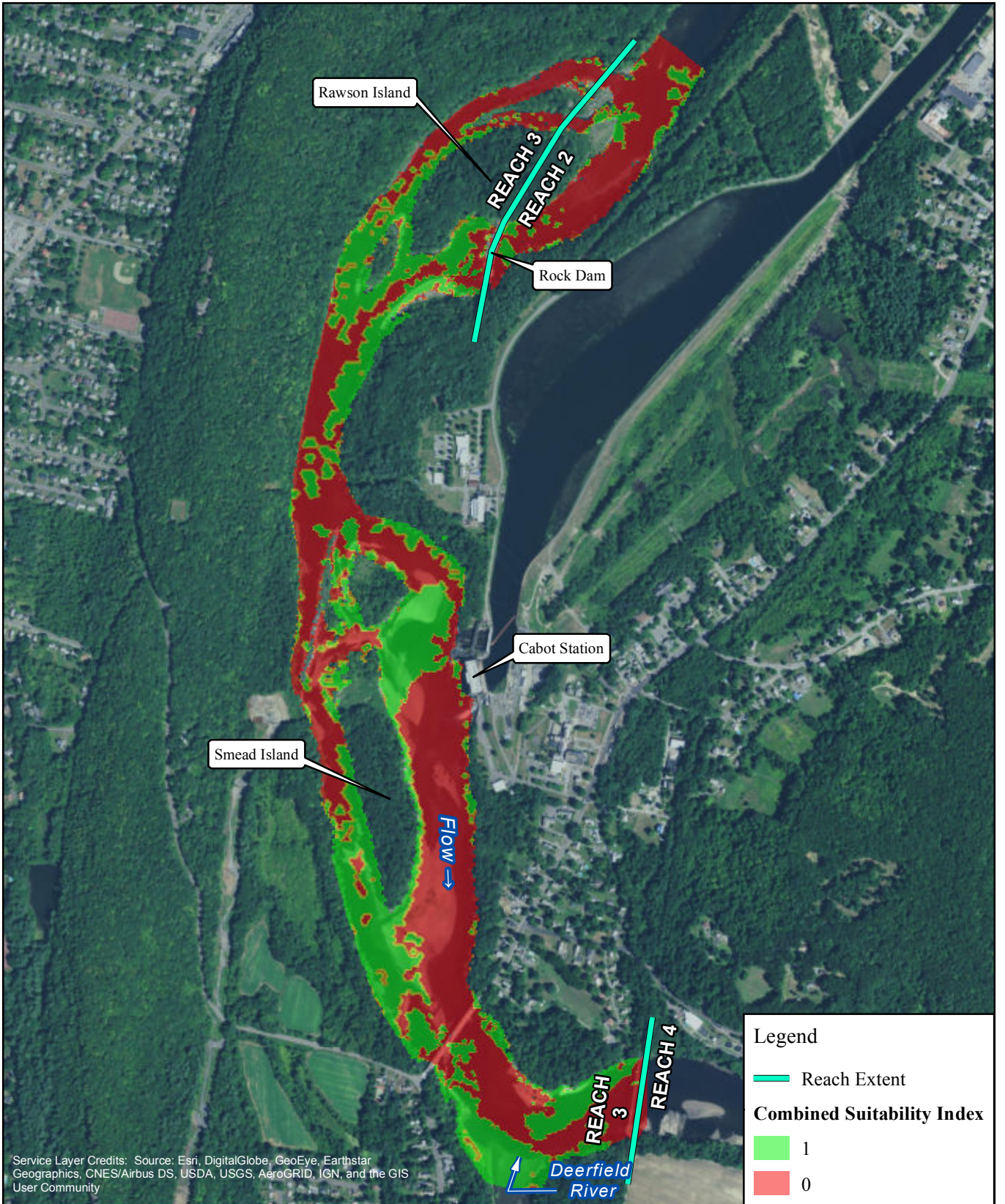
- Reach Extent

Combined Suitability Index

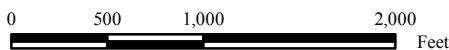
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Yellow Lampmussel-Juvenile
 Cabot Flow: 14000 cfs
 Bypass Flow: 1000 cfs
 Deerfield Flow: 200 cfs

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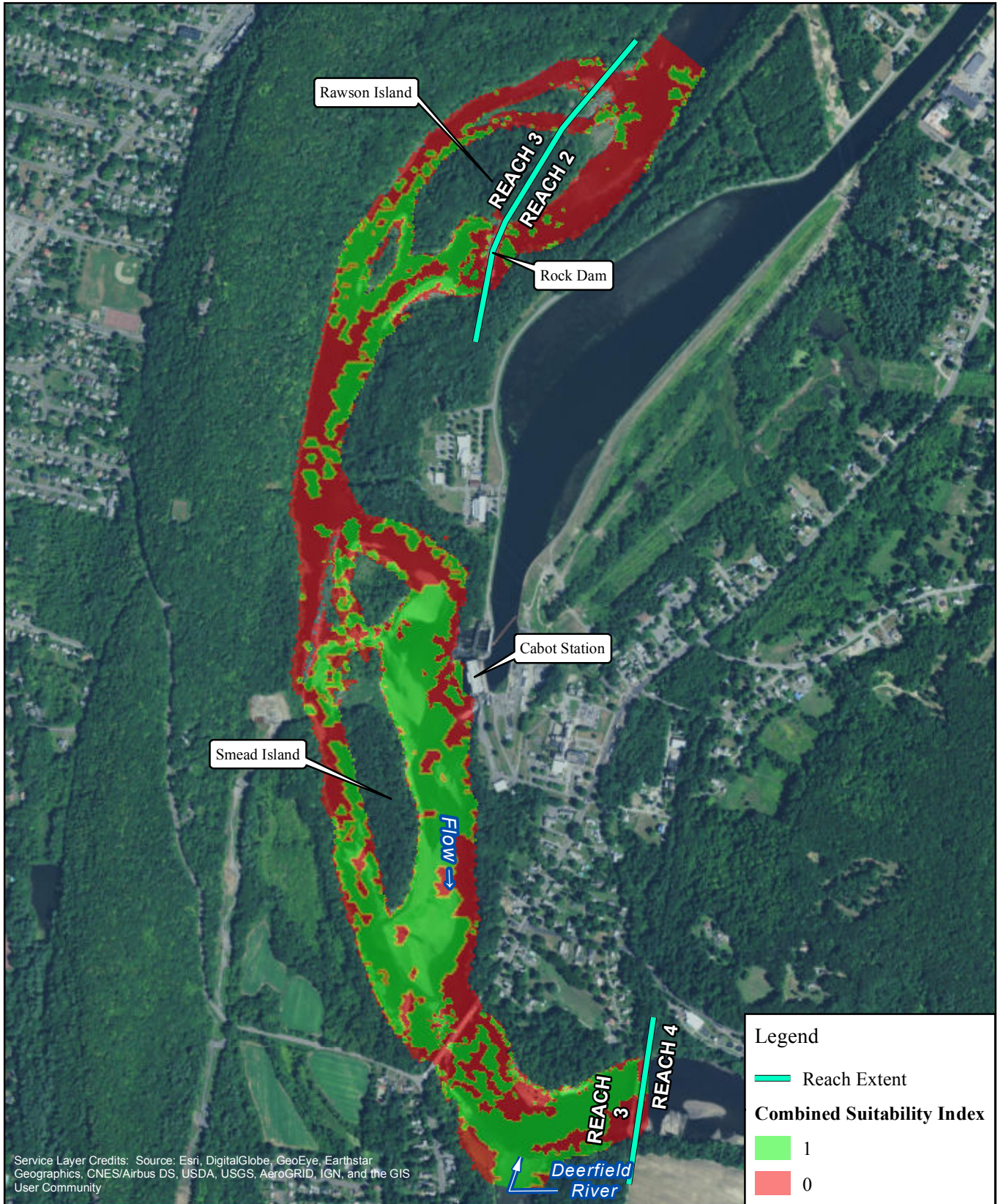


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1

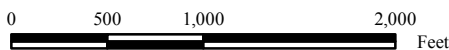


Yellow Lampmussel-Juvenile
 Cabot Flow: 14000 cfs
 Bypass Flow: 2000 cfs
 Deerfield Flow: 200 cfs

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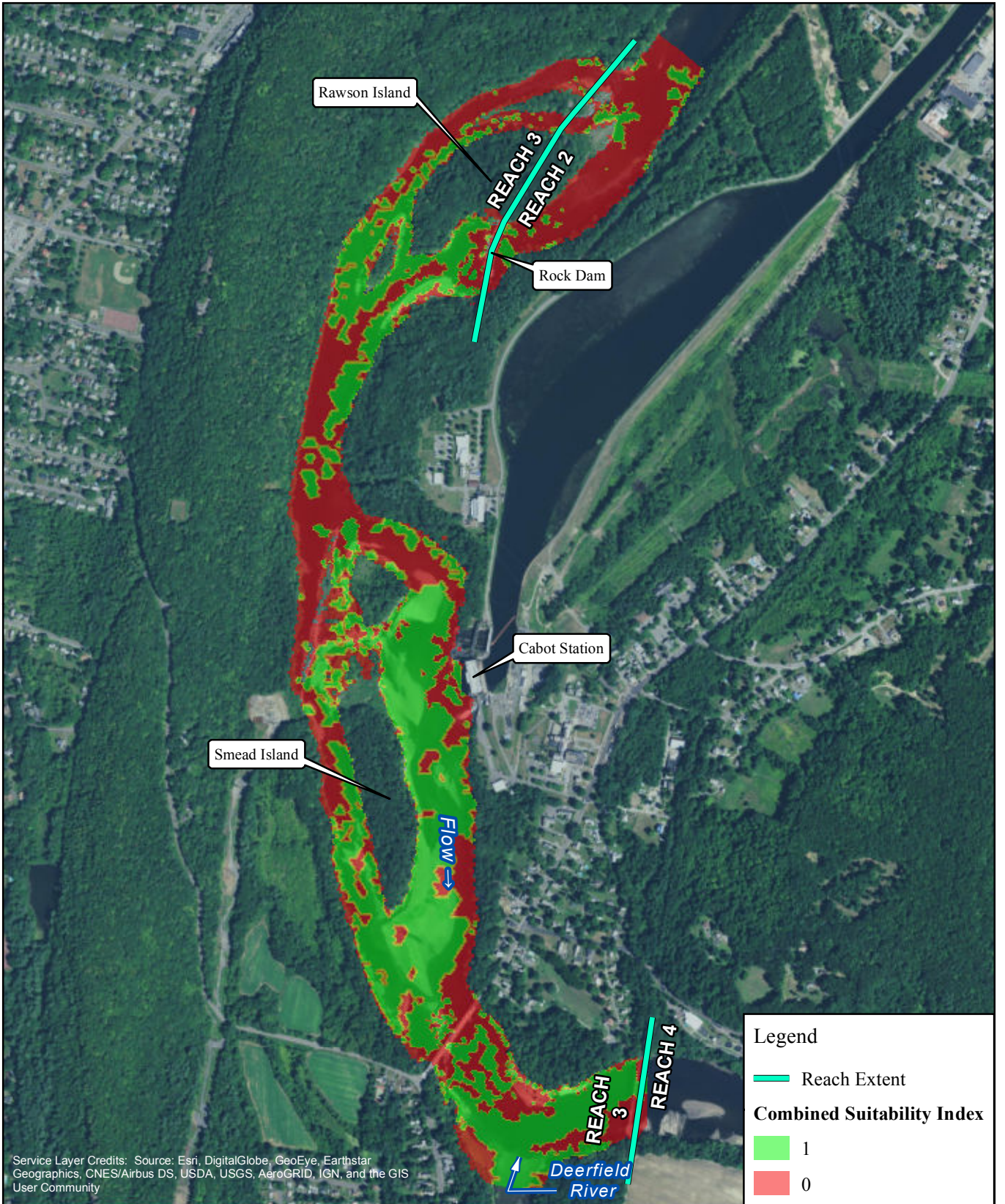


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1

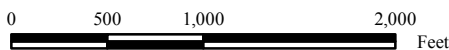


Yellow Lampmussel-Juvenile
 Cabot Flow: 14000 cfs
 Bypass Flow: 3000 cfs
 Deerfield Flow: 200 cfs

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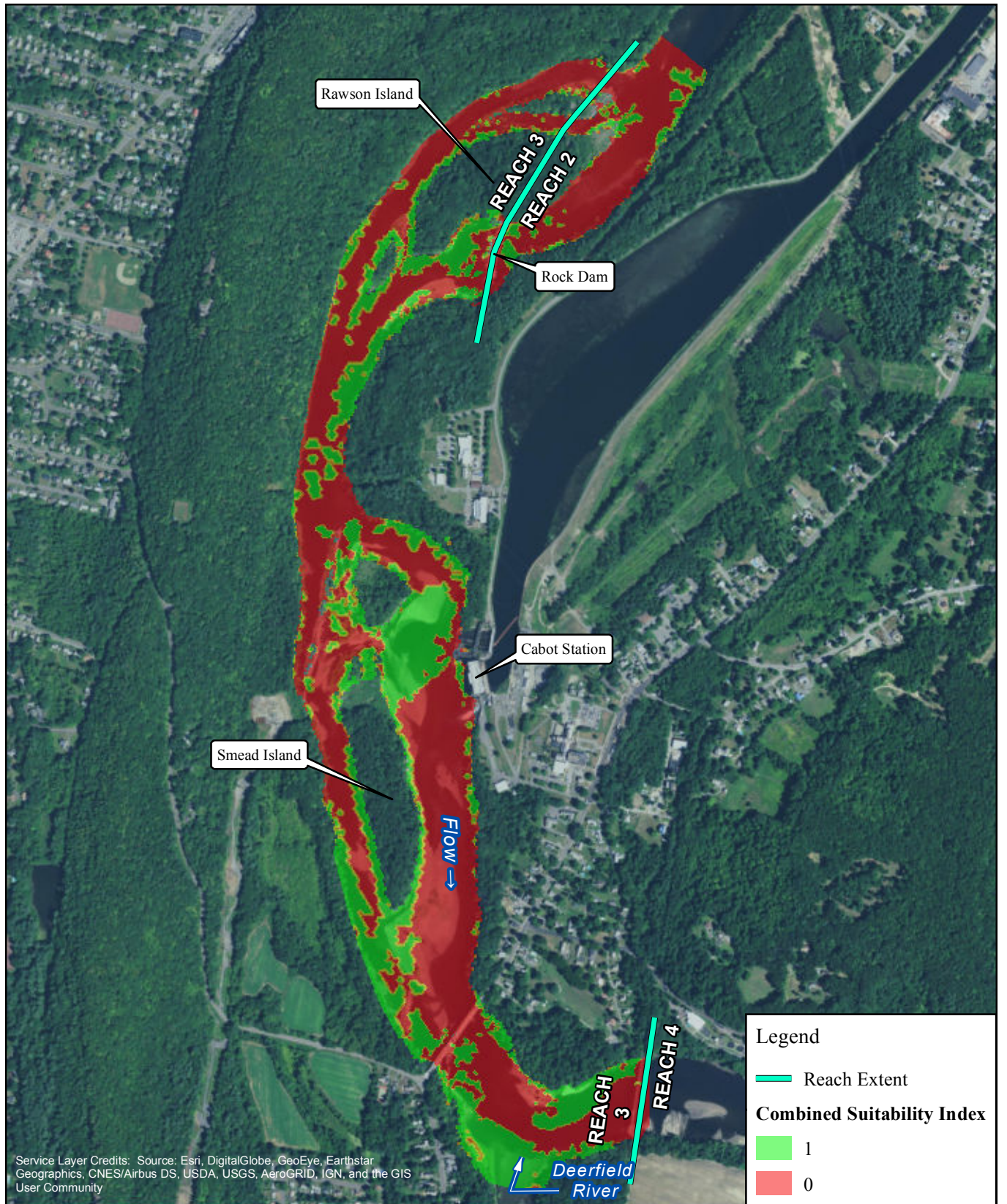


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1

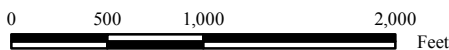


Yellow Lampmussel-Juvenile
 Cabot Flow: 14000 cfs
 Bypass Flow: 5000 cfs
 Deerfield Flow: 200 cfs

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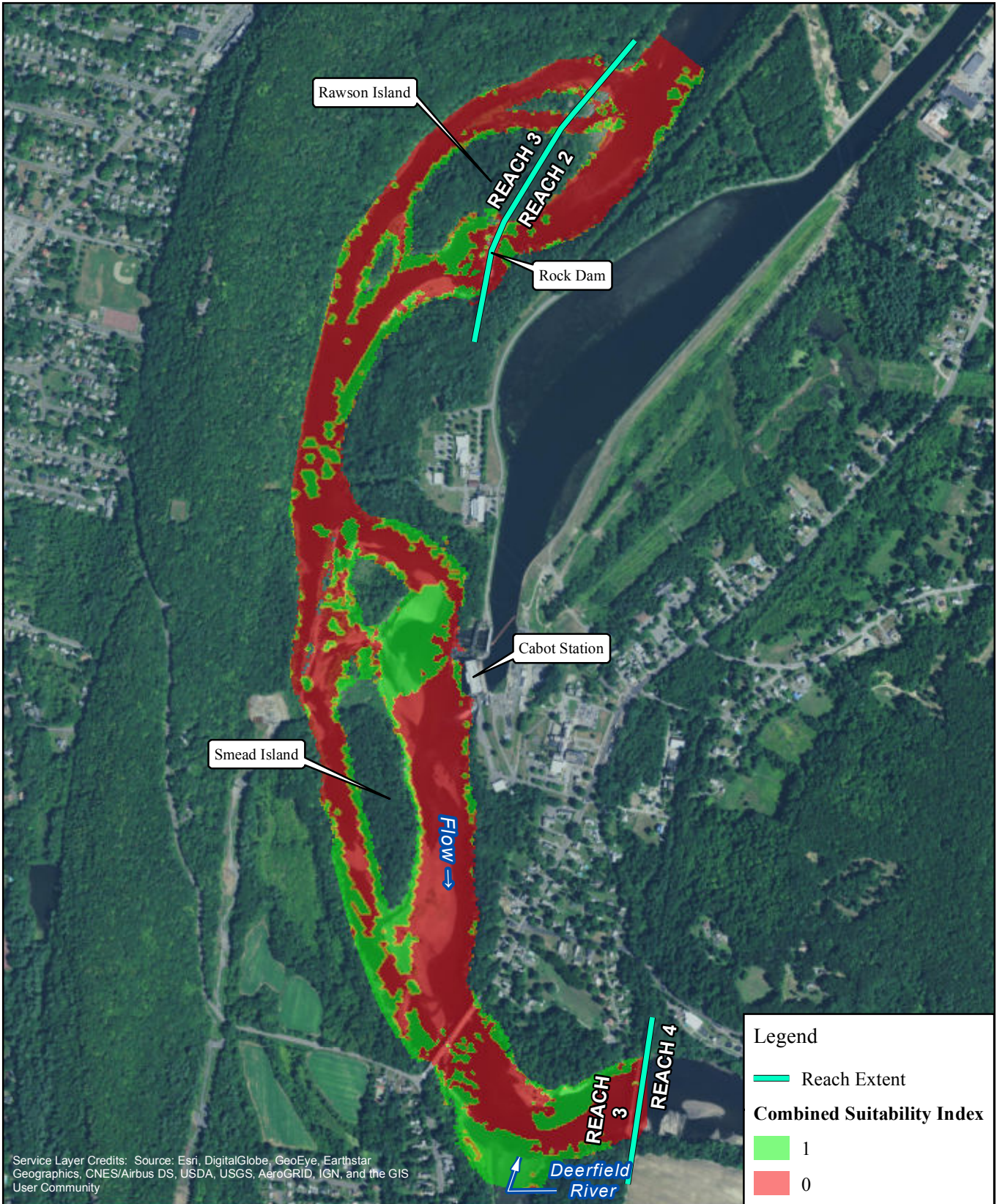


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



Yellow Lampmussel-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

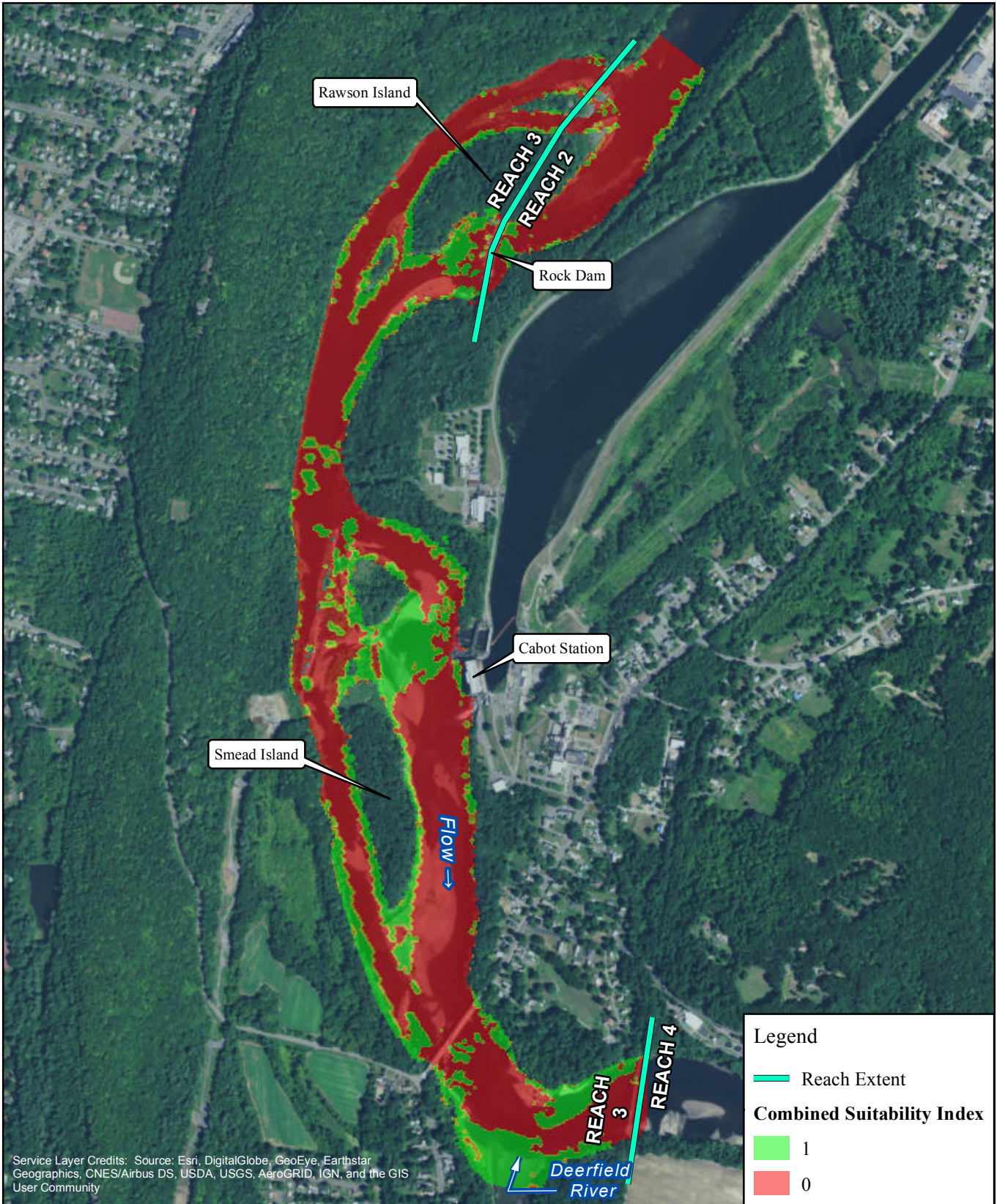
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0 500 1,000 2,000 Feet

Yellow Lampmussel-Juvenile

Cabot Flow: 14000 cfs
 Bypass Flow: 8000 cfs
 Deerfield Flow: 200 cfs

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Legend

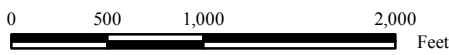
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Combined Suitability Index

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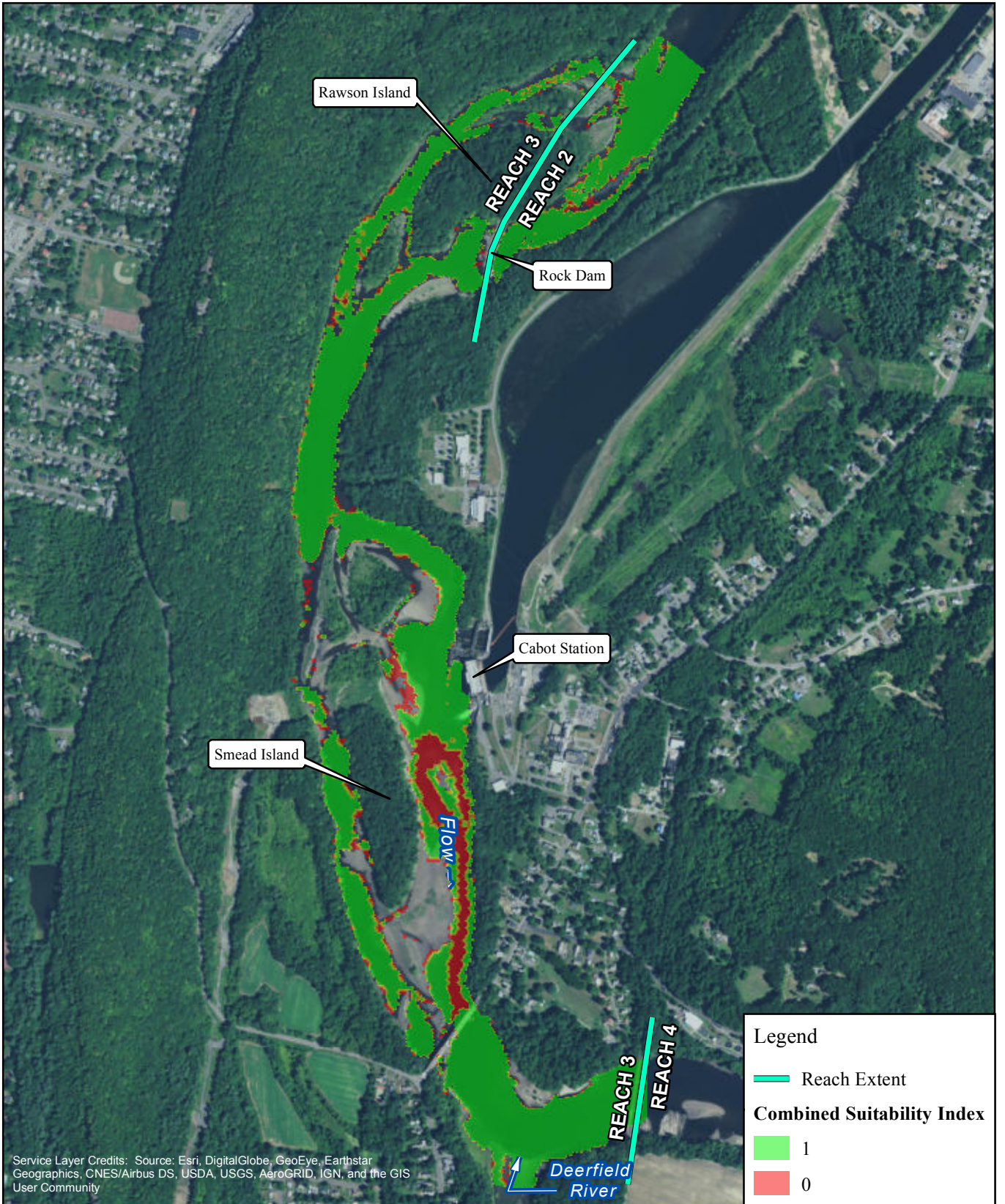


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
RELICENSING STUDY 3.3.1



Yellow Lampmussel-Juvenile
 Cabot Flow: 14000 cfs
 Bypass Flow: 10000 cfs
 Deerfield Flow: 200 cfs

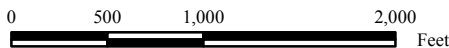
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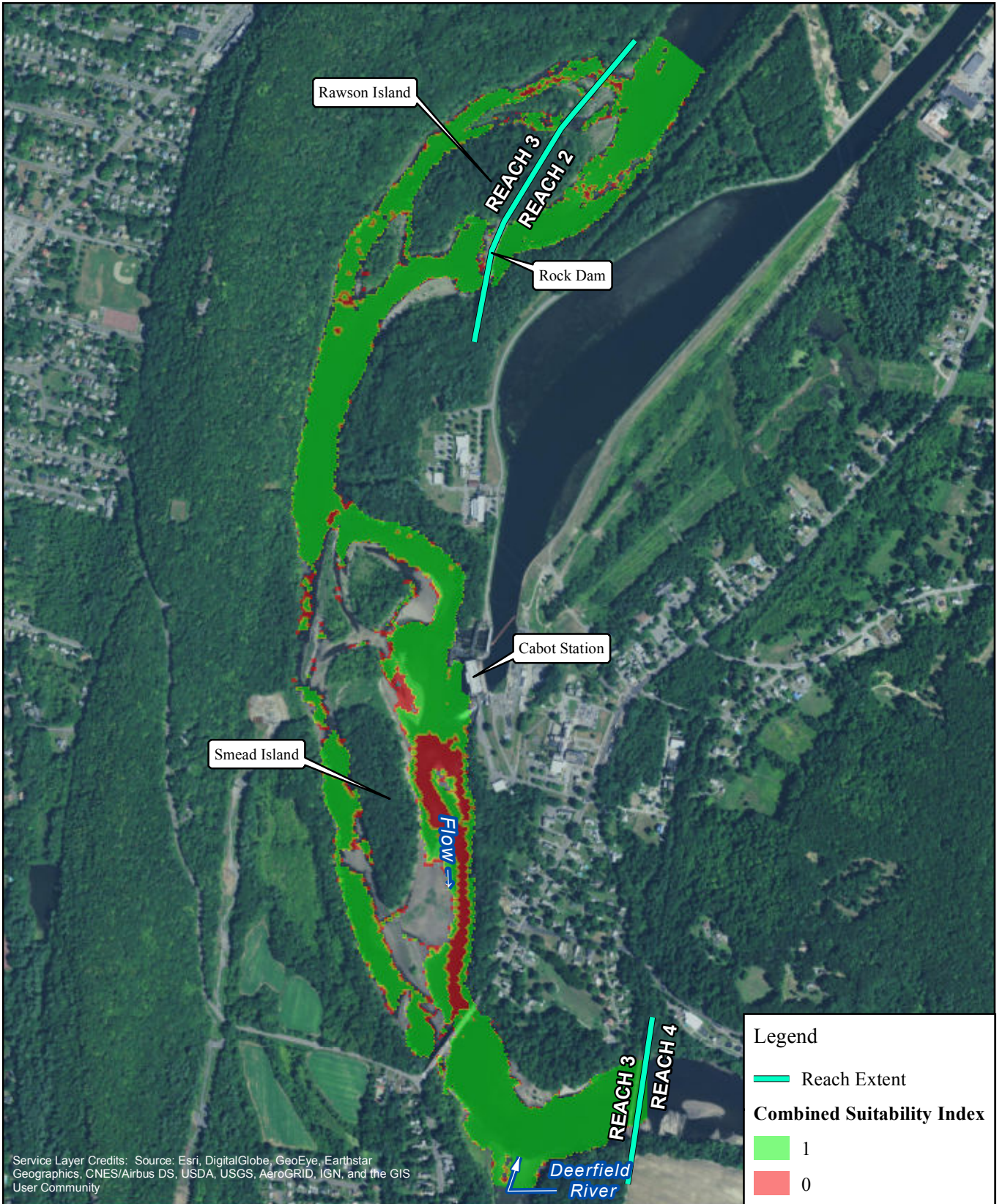


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1

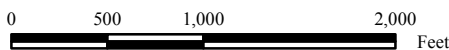


Yellow Lampmussel-Adult
 Cabot Flow: 2500 cfs
 Bypass Flow: 200 cfs
 Deerfield Flow: 200 cfs

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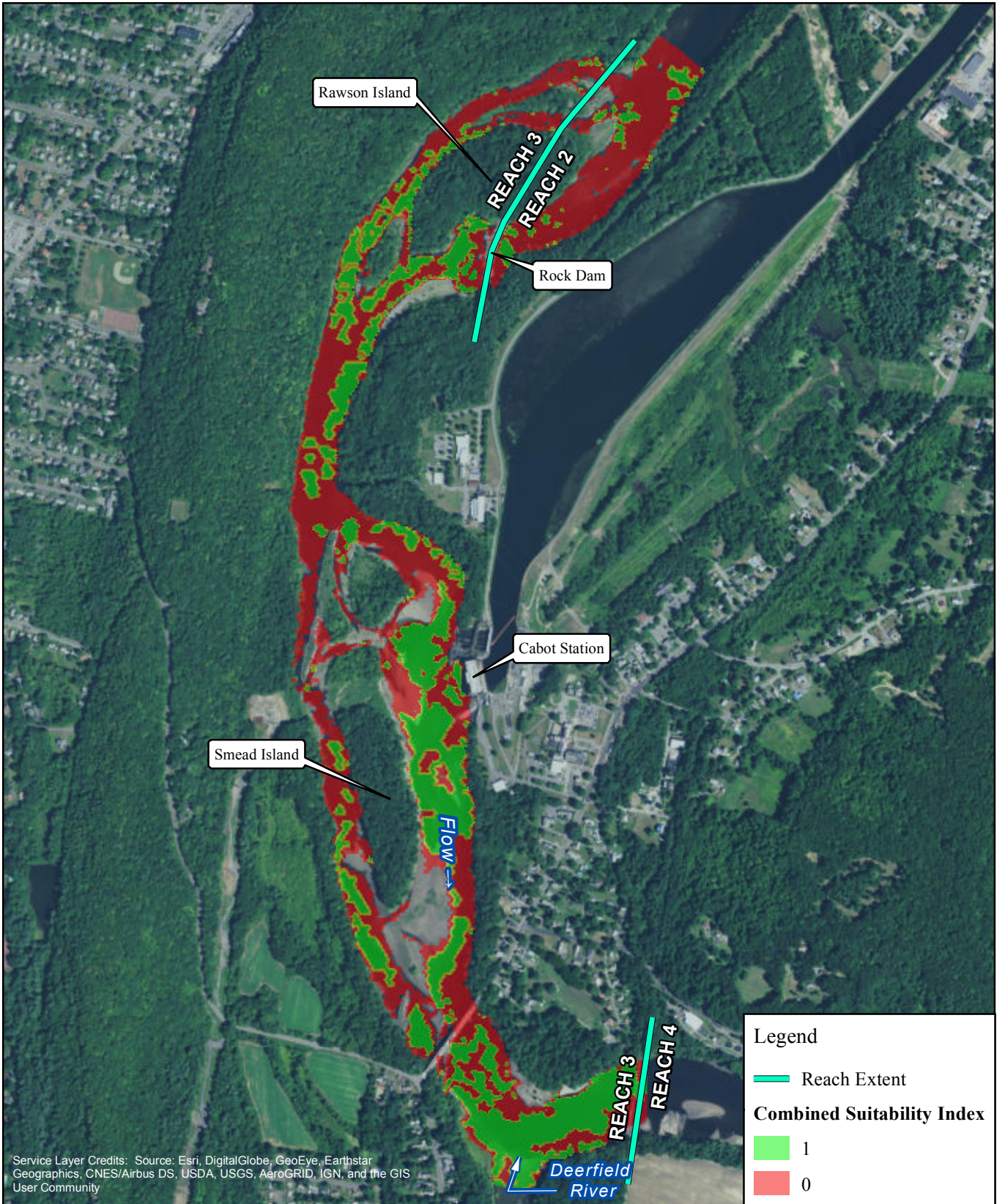


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



Yellow Lampmussel-Adult
 Cabot Flow: 2500 cfs
 Bypass Flow: 500 cfs
 Deerfield Flow: 200 cfs

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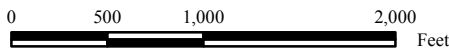
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Combined Suitability Index

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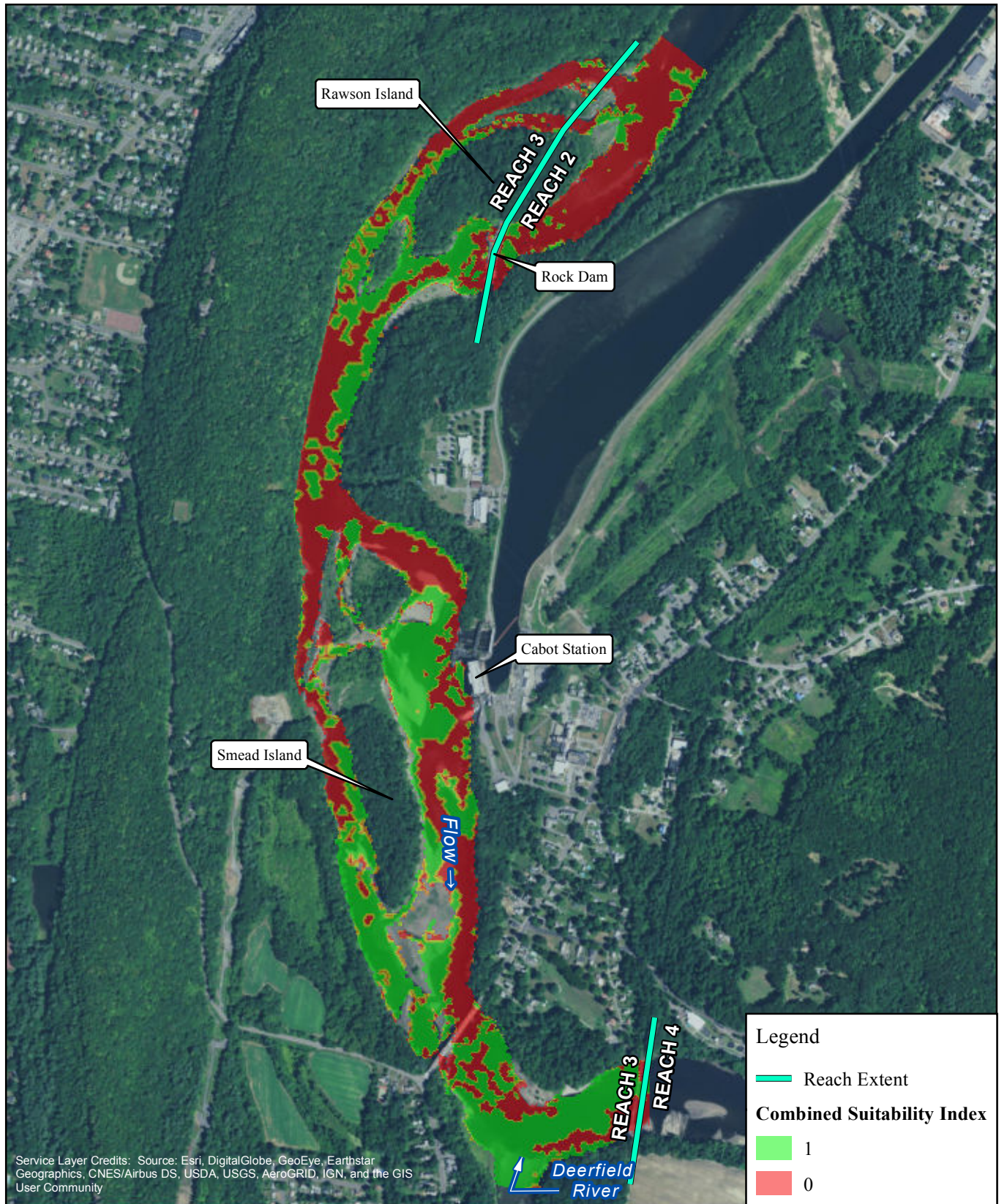


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
RELICENSING STUDY 3.3.1



Yellow Lampmussel-Adult
 Cabot Flow: 2500 cfs
 Bypass Flow: 1000 cfs
 Deerfield Flow: 200 cfs

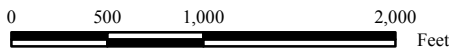
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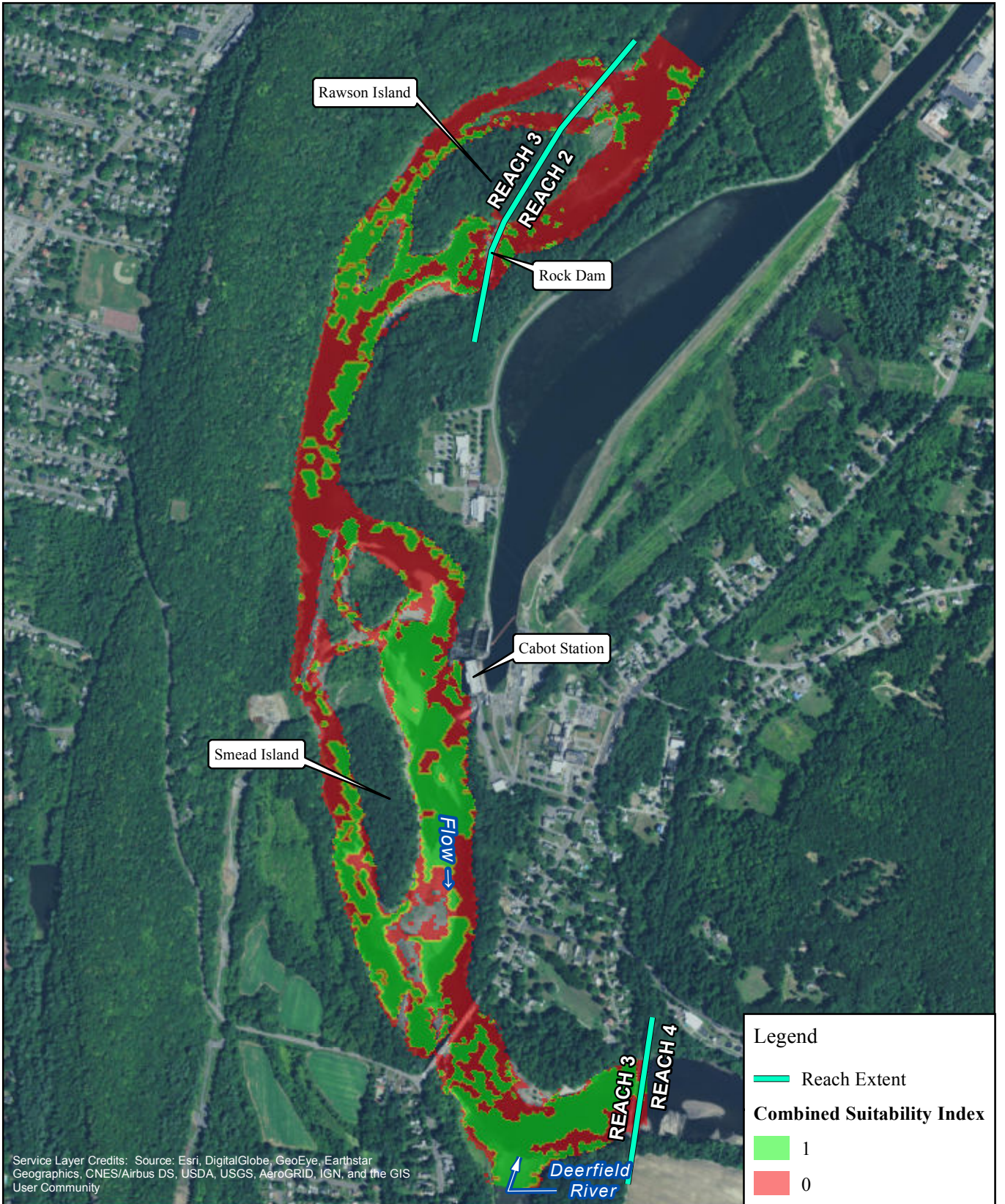


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
RELICENSING STUDY 3.3.1



Yellow Lampmussel-Adult
 Cabot Flow: 2500 cfs
 Bypass Flow: 2000 cfs
 Deerfield Flow: 200 cfs

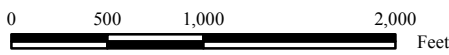
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 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



Legend

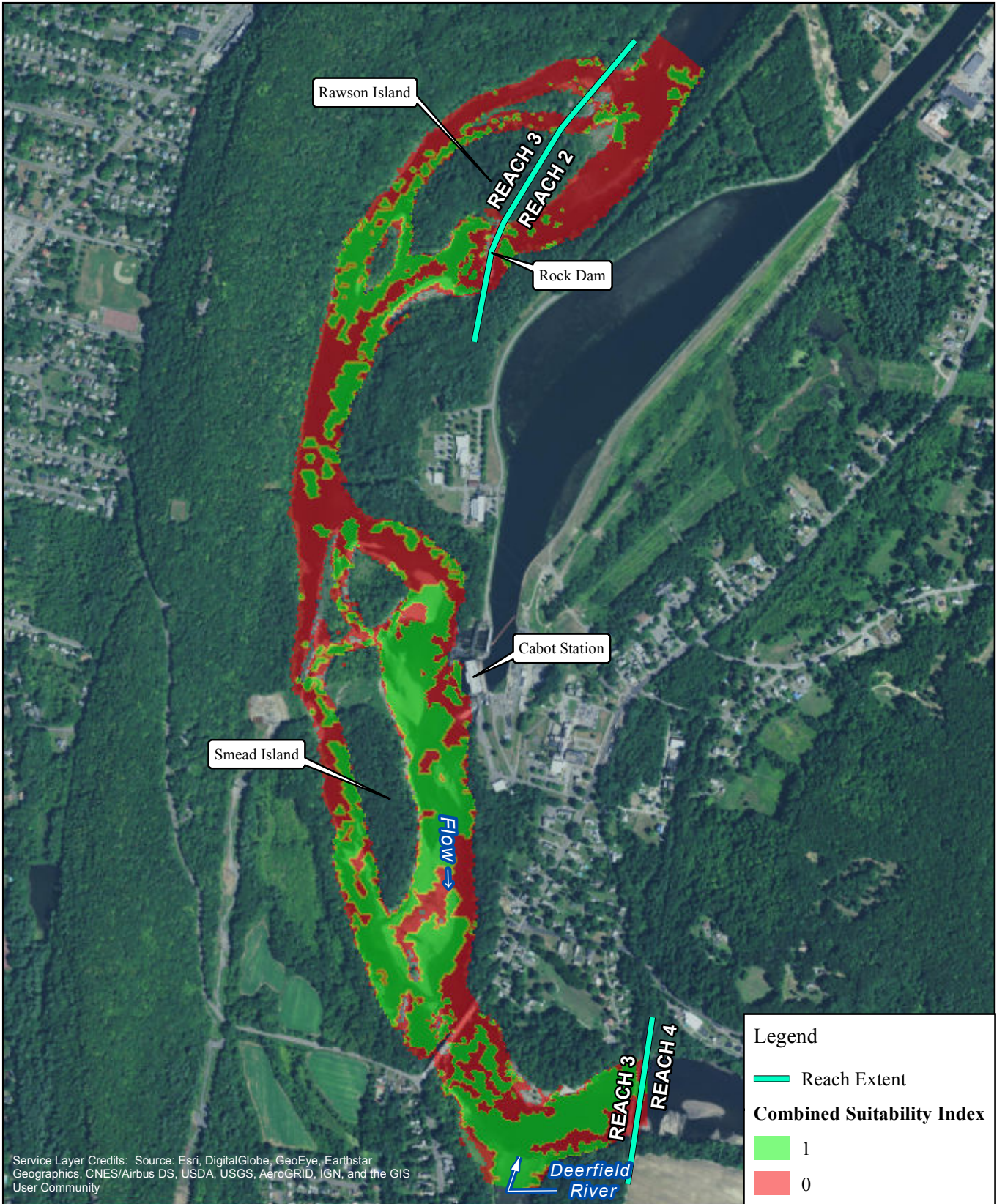
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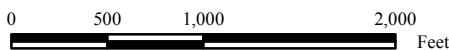
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Yellow Lampmussel-Adult
 Cabot Flow: 2500 cfs
 Bypass Flow: 3000 cfs
 Deerfield Flow: 200 cfs

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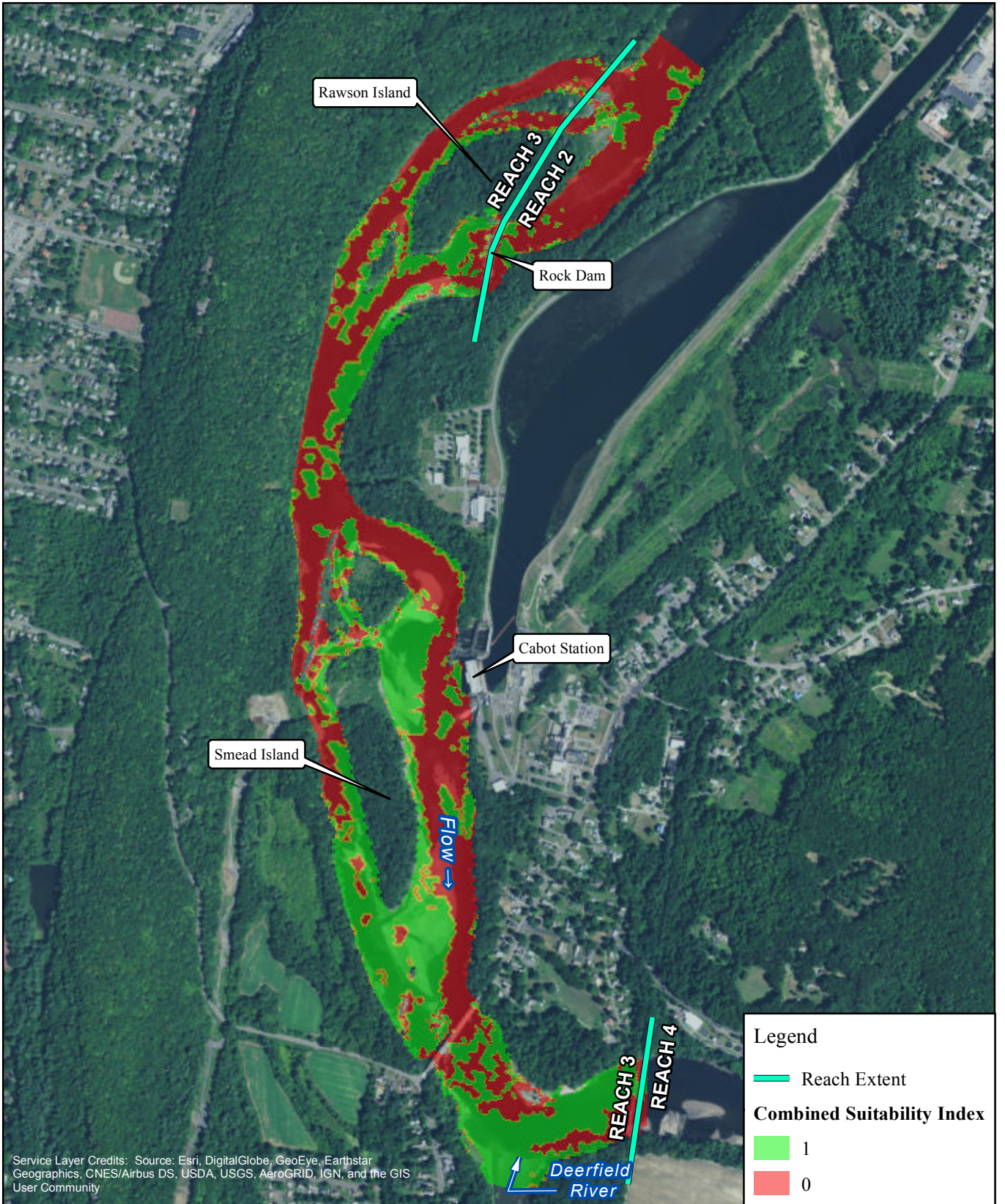


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 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1

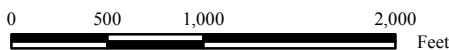


Yellow Lampmussel-Adult
 Cabot Flow: 2500 cfs
 Bypass Flow: 5000 cfs
 Deerfield Flow: 200 cfs

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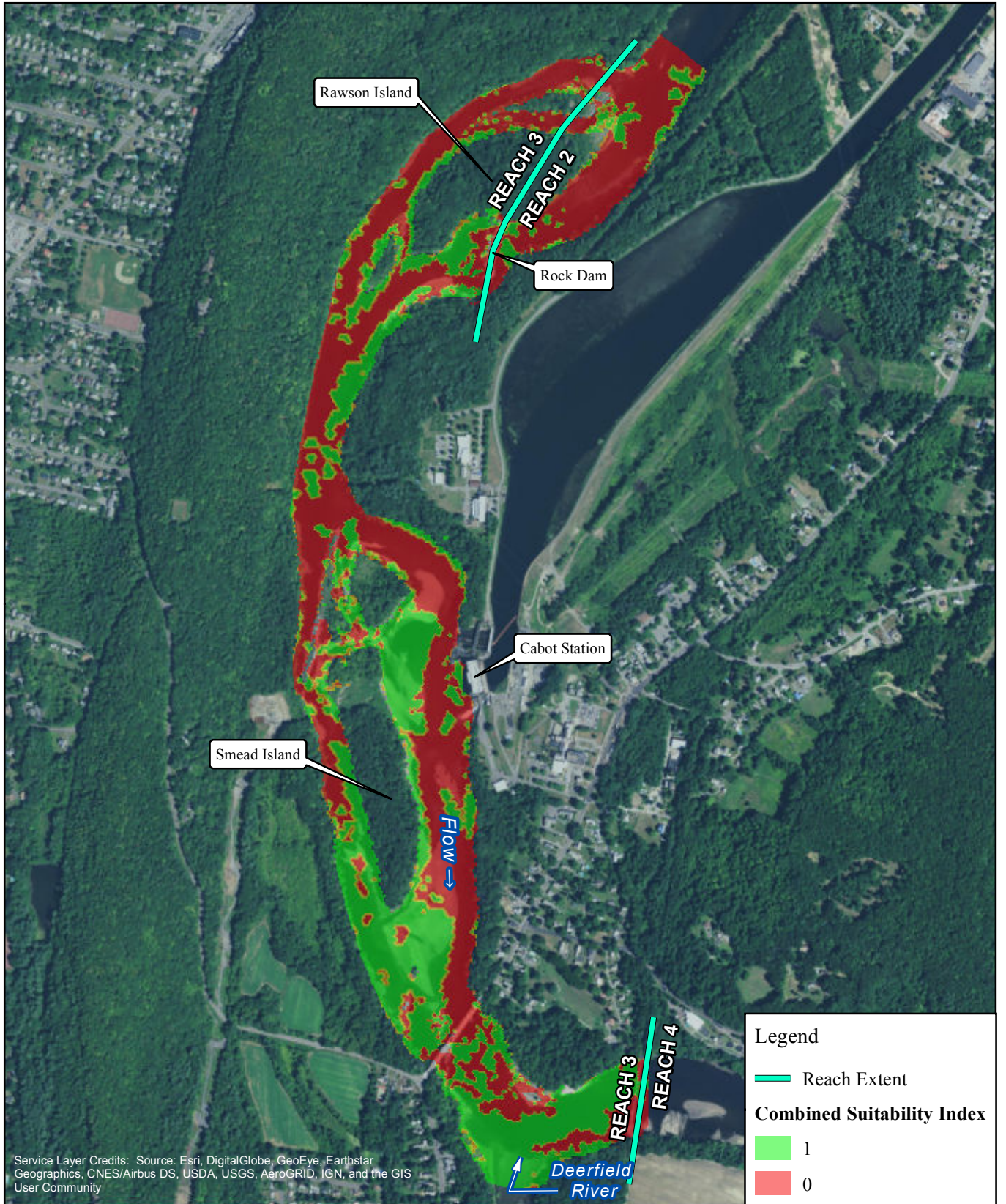


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 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
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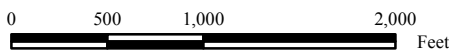


Yellow Lampmussel-Adult
 Cabot Flow: 2500 cfs
 Bypass Flow: 6500 cfs
 Deerfield Flow: 200 cfs

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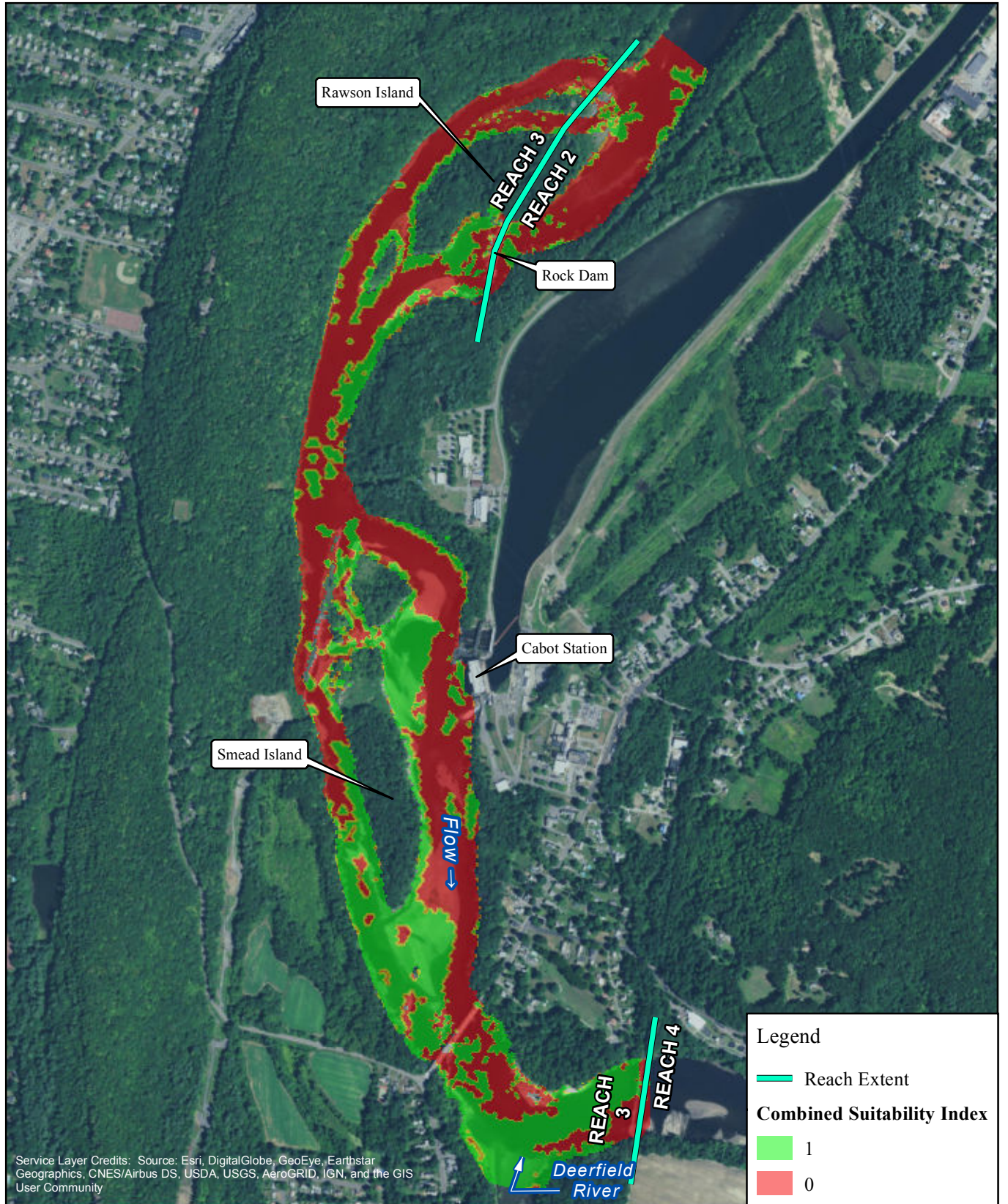


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



Yellow Lampmussel-Adult
 Cabot Flow: 2500 cfs
 Bypass Flow: 8000 cfs
 Deerfield Flow: 200 cfs

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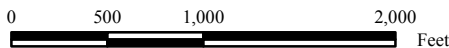
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Combined Suitability Index

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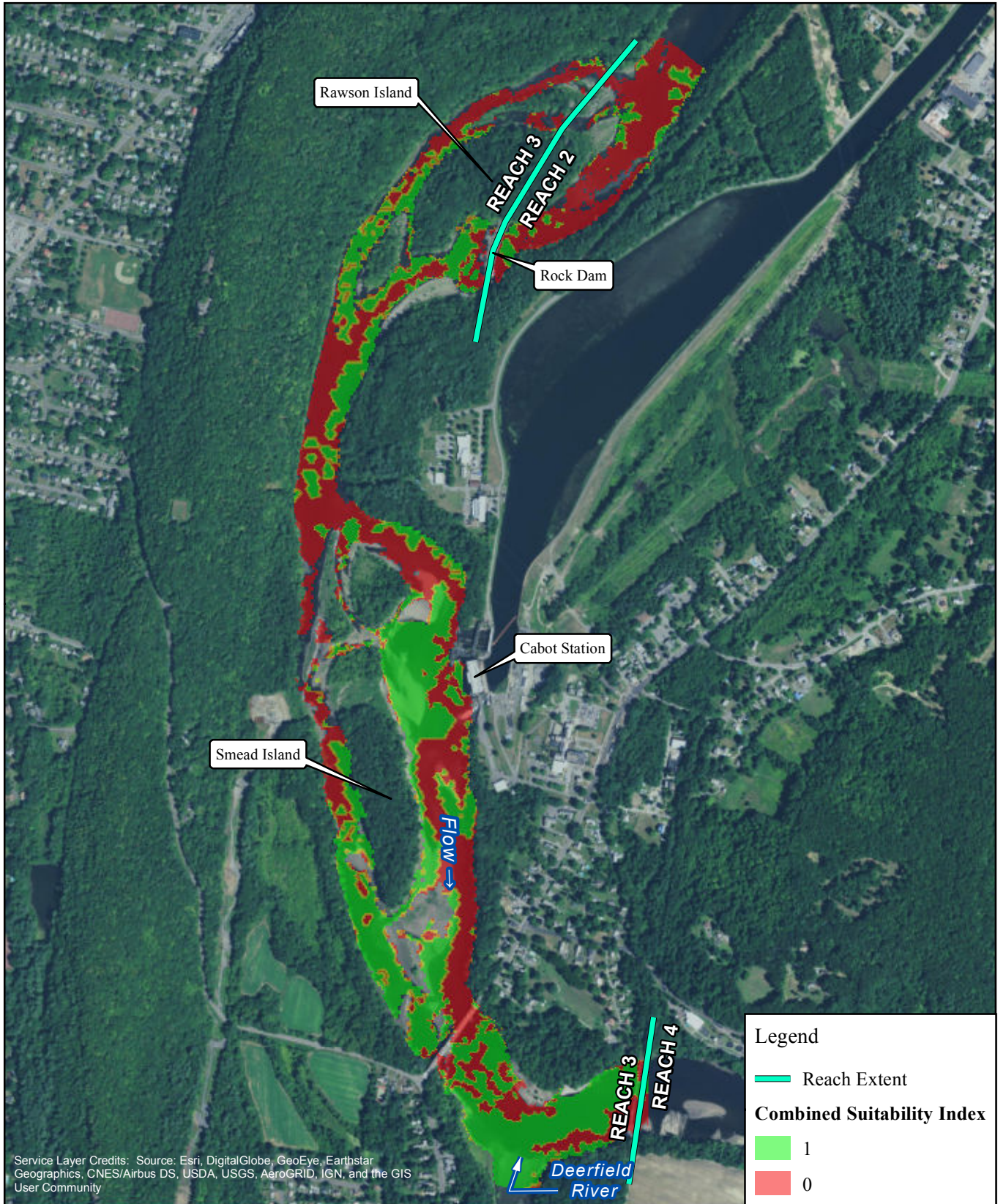


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
RELICENSING STUDY 3.3.1

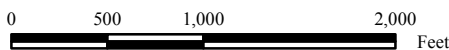


Yellow Lampmussel-Adult
 Cabot Flow: 2500 cfs
 Bypass Flow: 10000 cfs
 Deerfield Flow: 200 cfs

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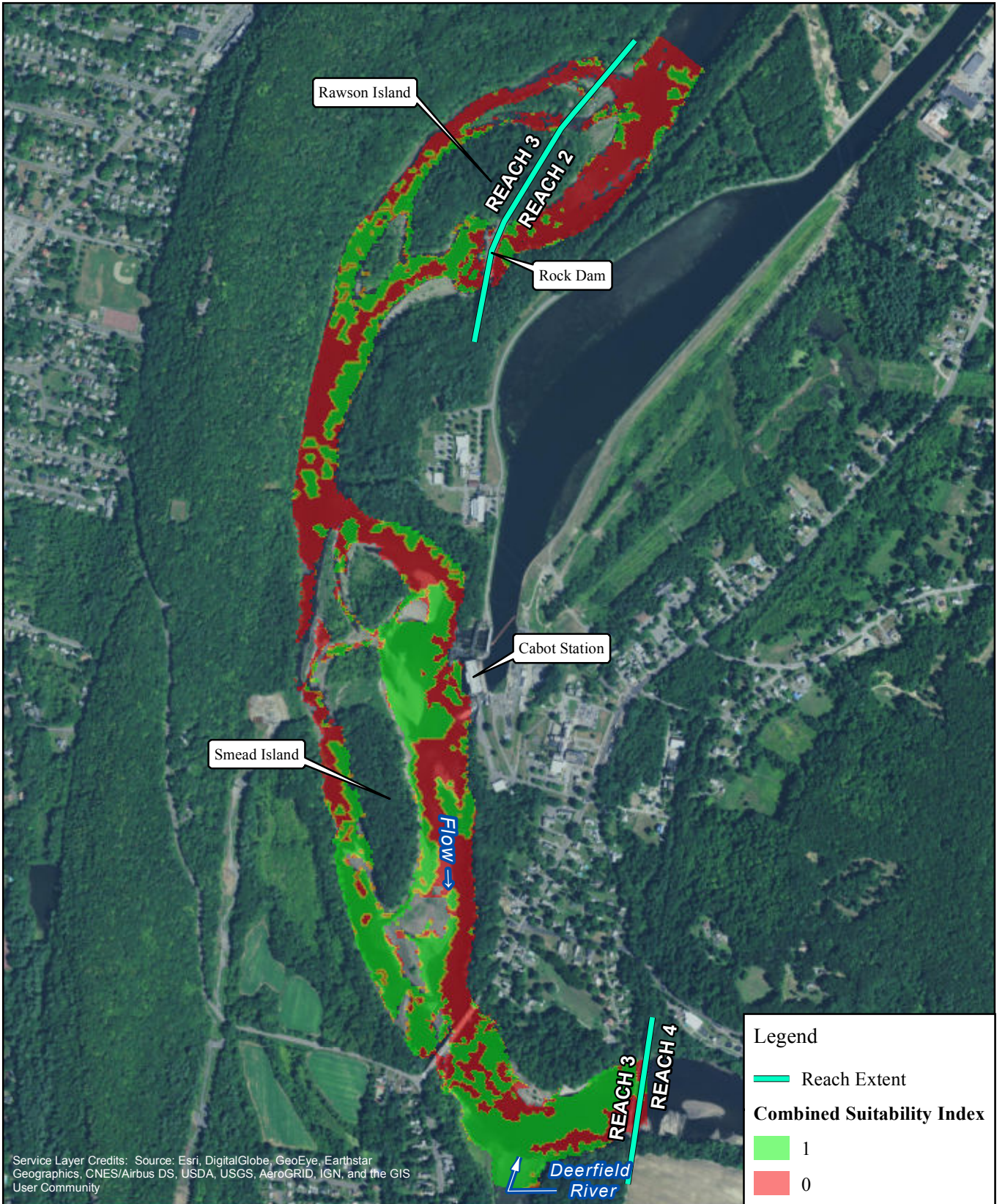


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



Yellow Lampmussel-Adult
 Cabot Flow: 4500 cfs
 Bypass Flow: 200 cfs
 Deerfield Flow: 200 cfs

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Legend

- Reach Extent

Combined Suitability Index

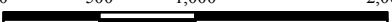
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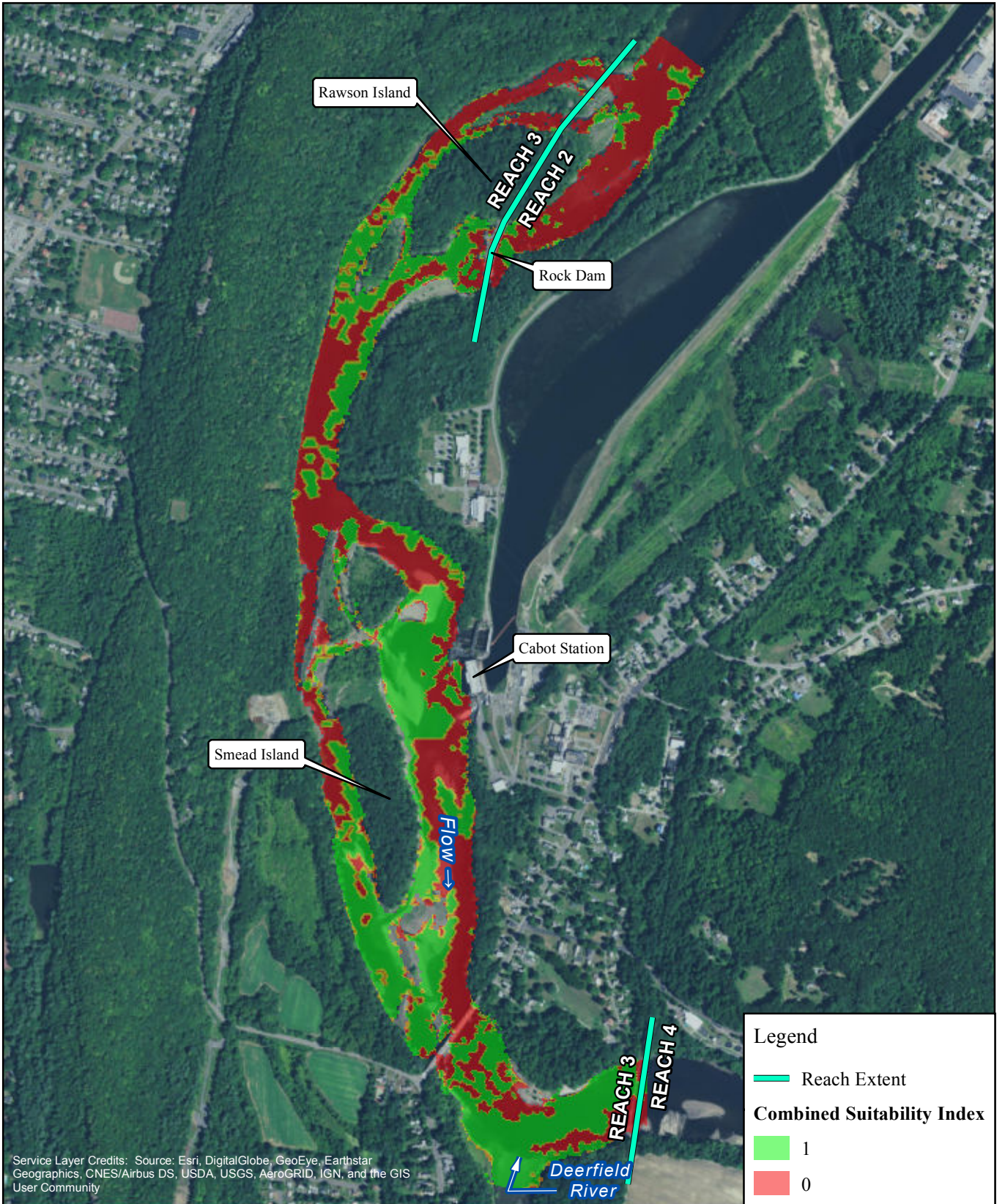
FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
RELICENSING STUDY 3.3.1

Yellow Lampmussel-Adult
 Cabot Flow: 4500 cfs
 Bypass Flow: 500 cfs
 Deerfield Flow: 200 cfs

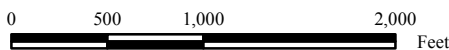
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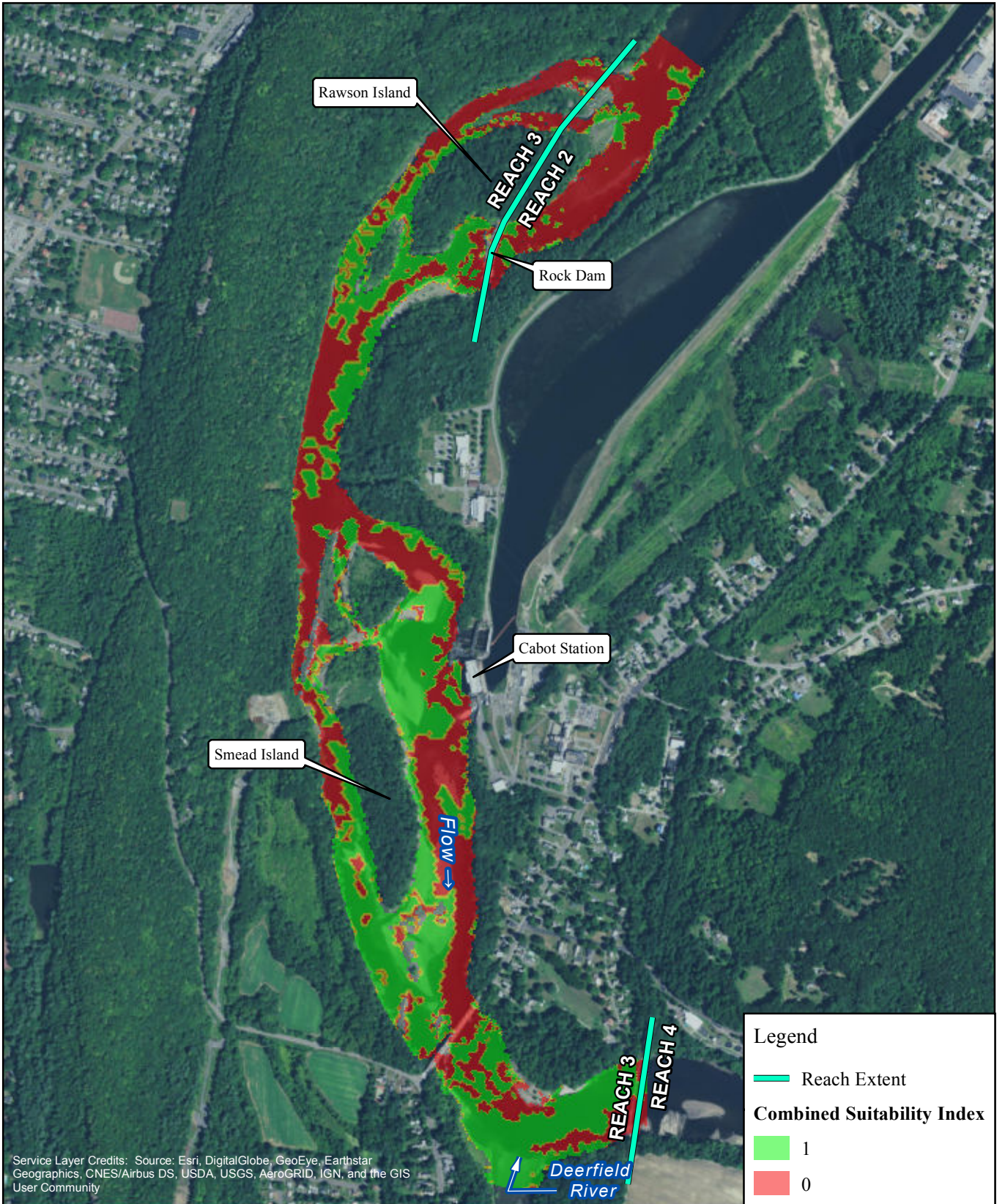


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1

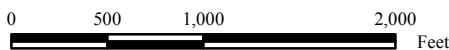


Yellow Lampmussel-Adult
 Cabot Flow: 4500 cfs
 Bypass Flow: 1000 cfs
 Deerfield Flow: 200 cfs

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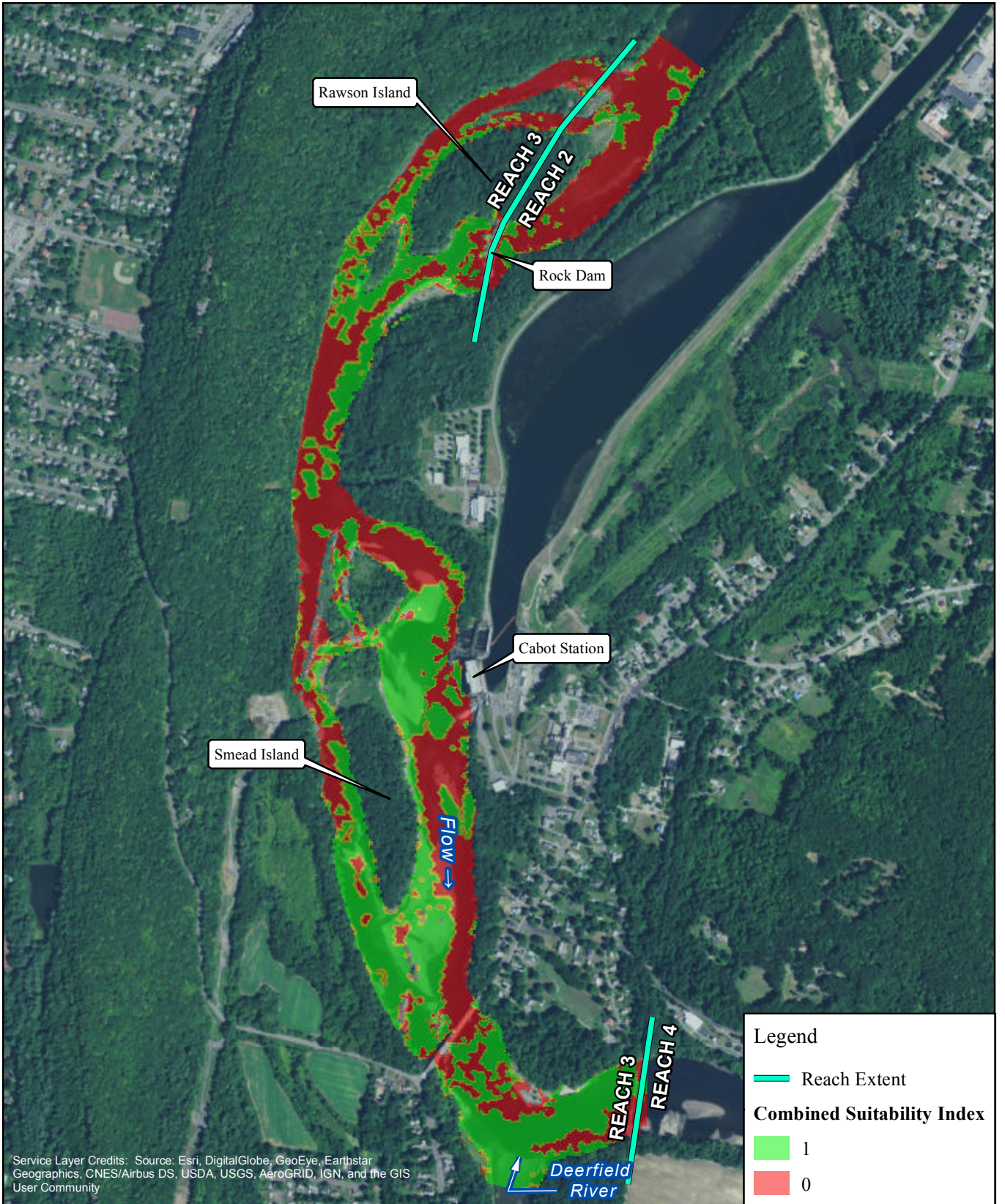


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1

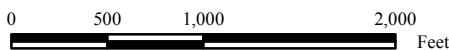


Yellow Lampmussel-Adult
 Cabot Flow: 4500 cfs
 Bypass Flow: 2000 cfs
 Deerfield Flow: 200 cfs

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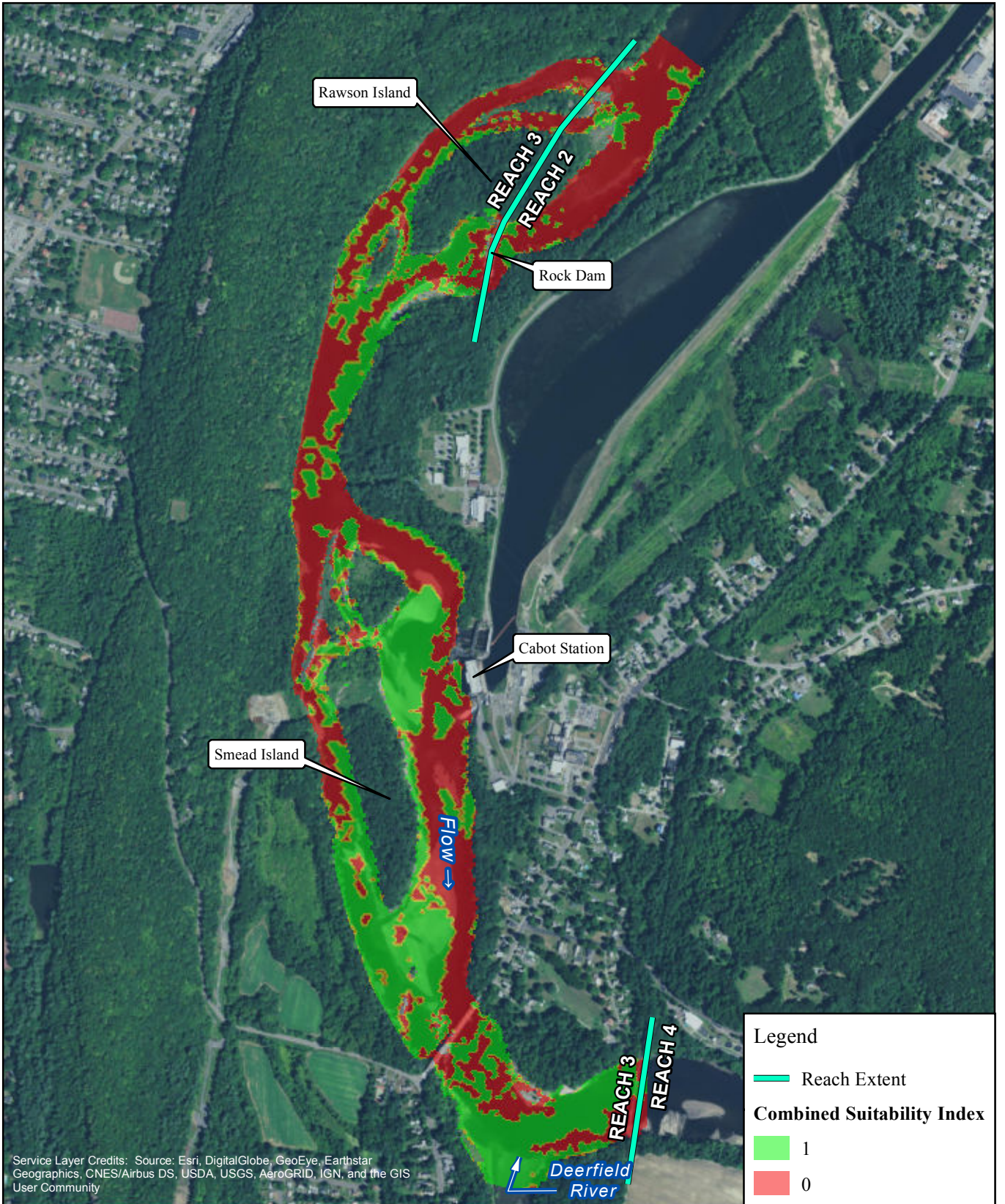


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



Yellow Lampmussel-Adult
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 Bypass Flow: 3000 cfs
 Deerfield Flow: 200 cfs

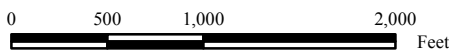
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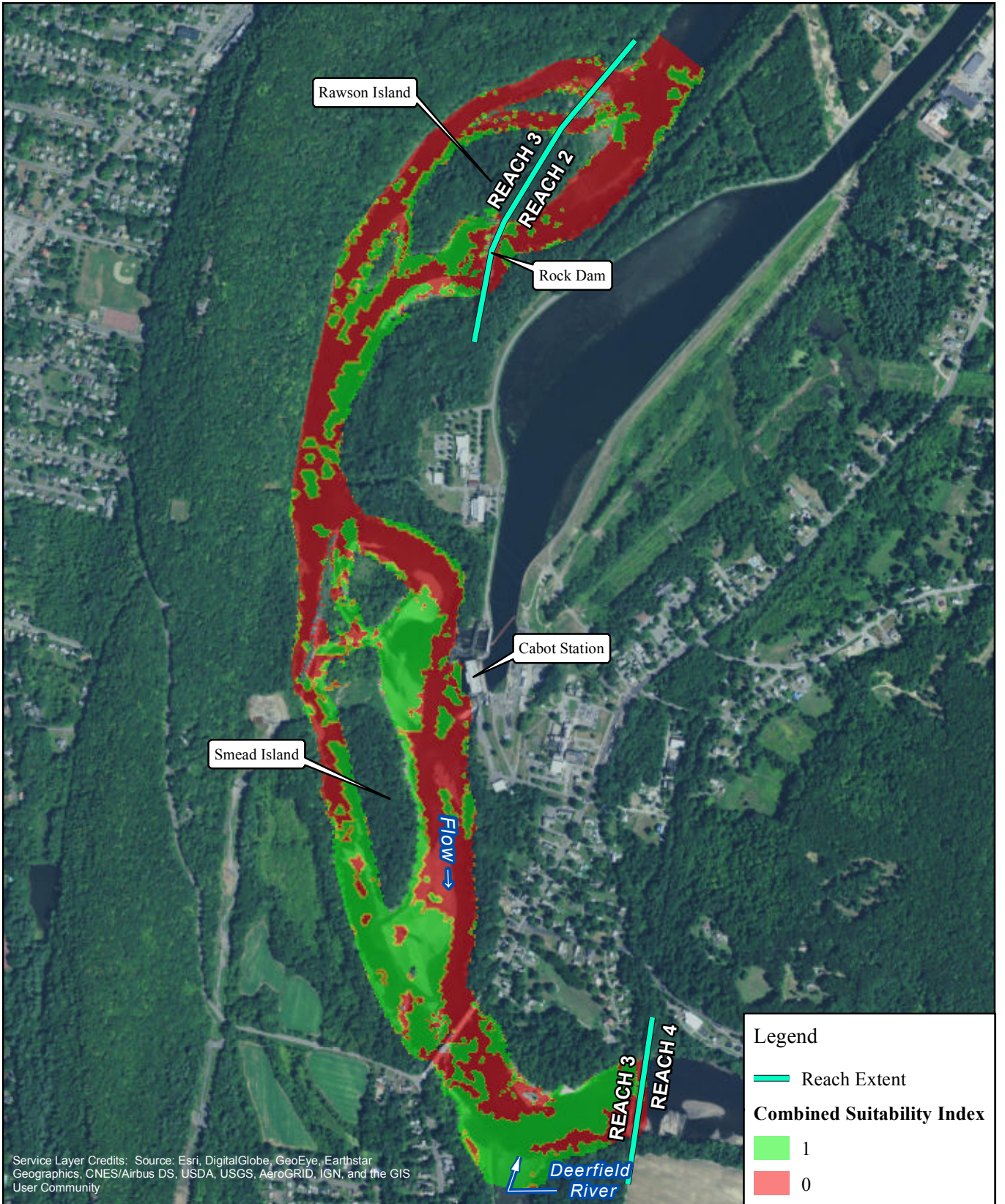


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1

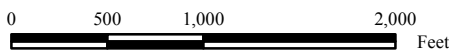


Yellow Lampmussel-Adult
 Cabot Flow: 4500 cfs
 Bypass Flow: 5000 cfs
 Deerfield Flow: 200 cfs

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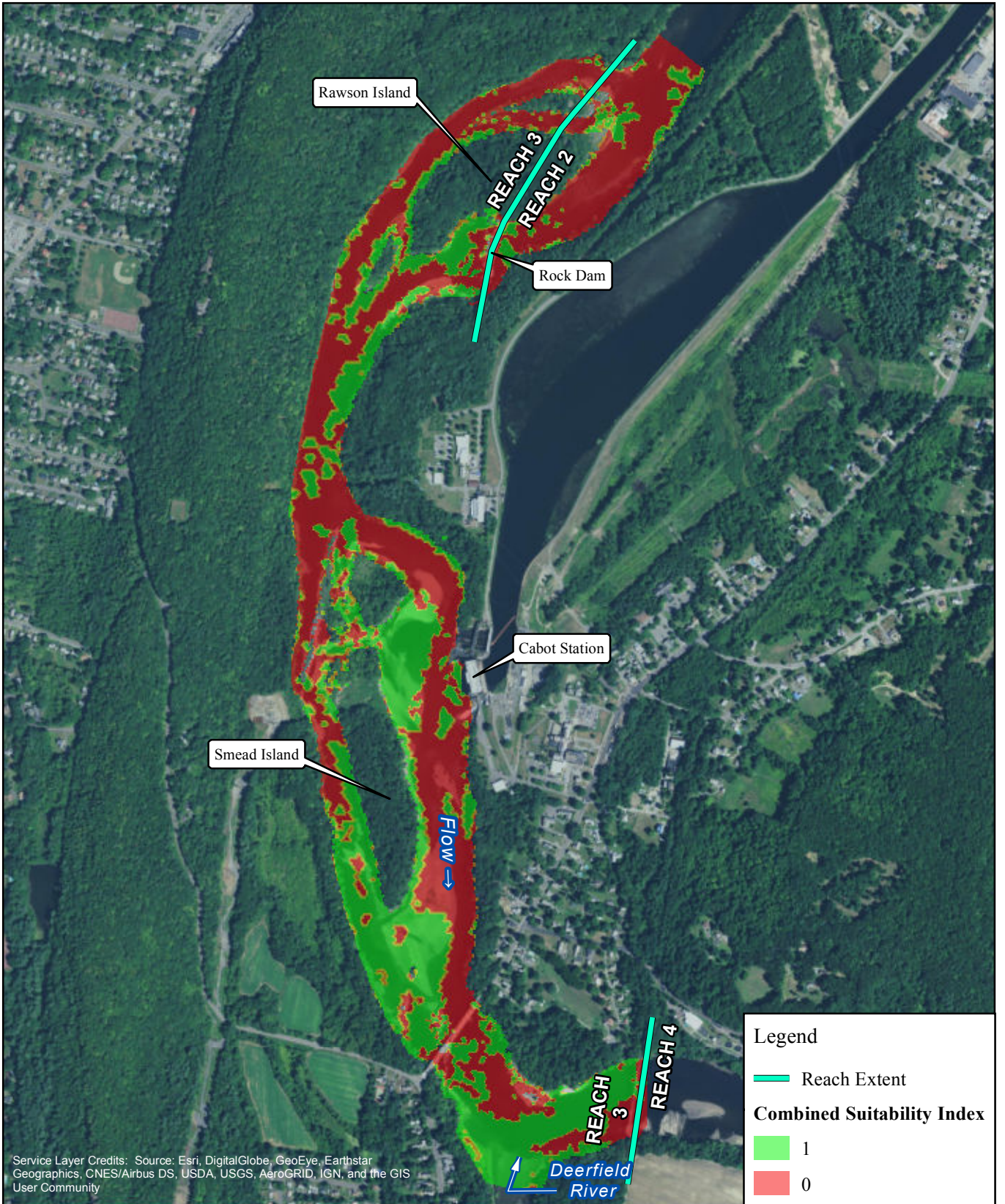


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



Yellow Lampmussel-Adult
 Cabot Flow: 4500 cfs
 Bypass Flow: 6500 cfs
 Deerfield Flow: 200 cfs

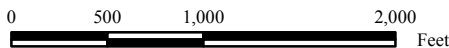
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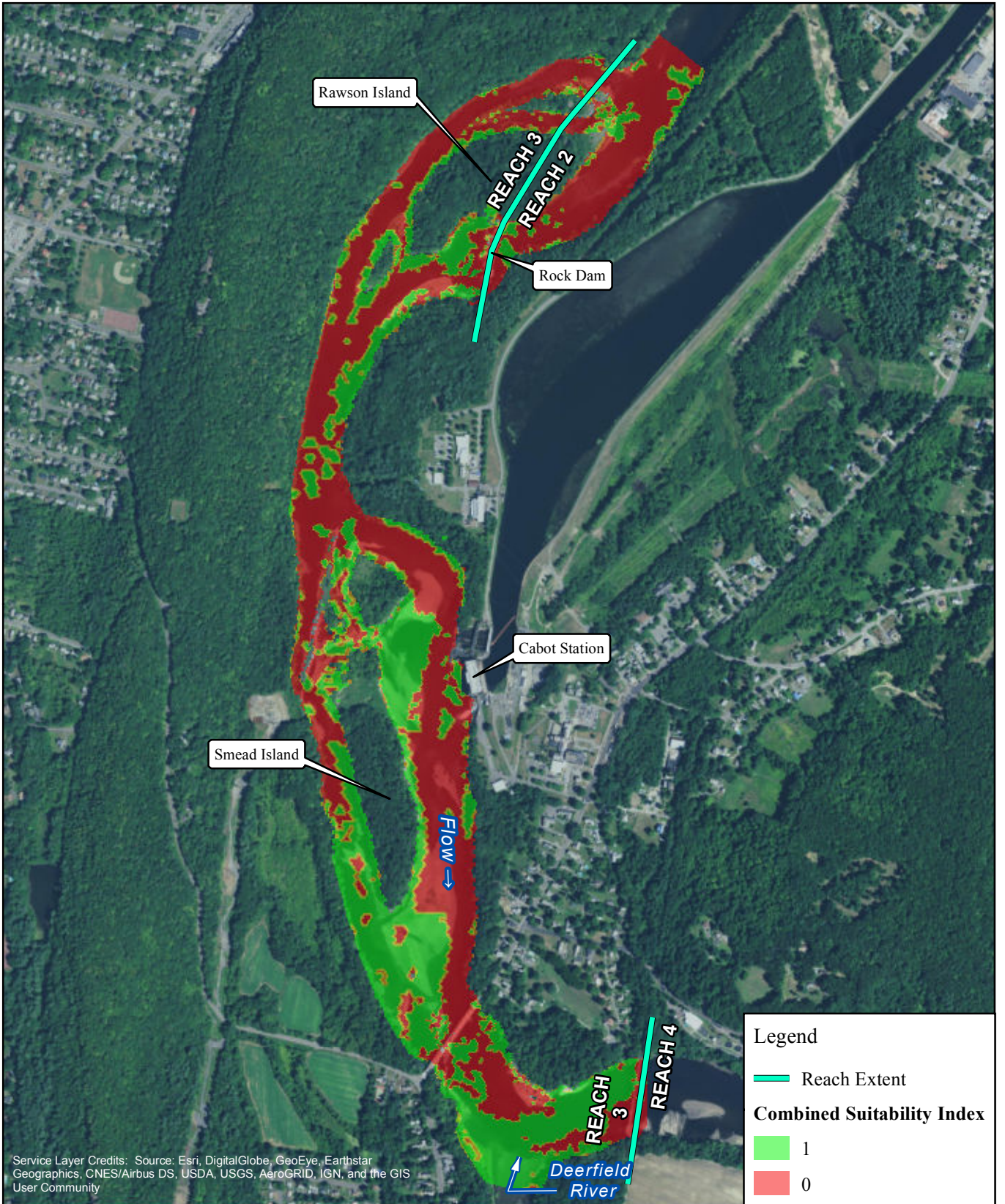


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
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 RELICENSING STUDY 3.3.1



Yellow Lampmussel-Adult
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 Bypass Flow: 8000 cfs
 Deerfield Flow: 200 cfs

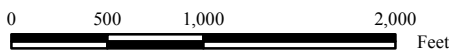
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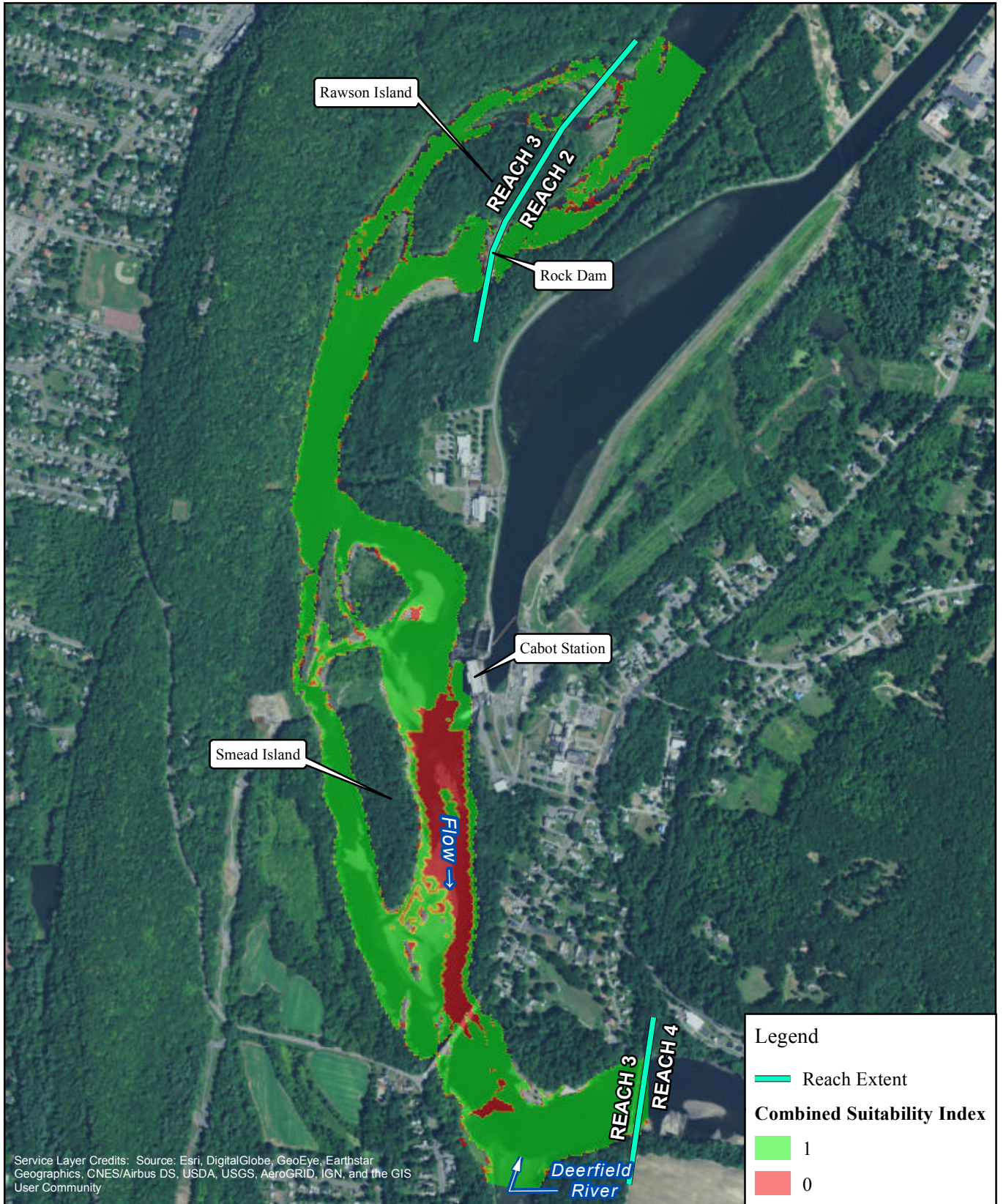
FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



Legend	
	Reach Extent
Combined Suitability Index	
	1
	0

Yellow Lampmussel-Adult
 Cabot Flow: 4500 cfs
 Bypass Flow: 10000 cfs
 Deerfield Flow: 200 cfs

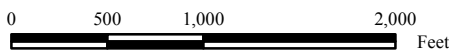
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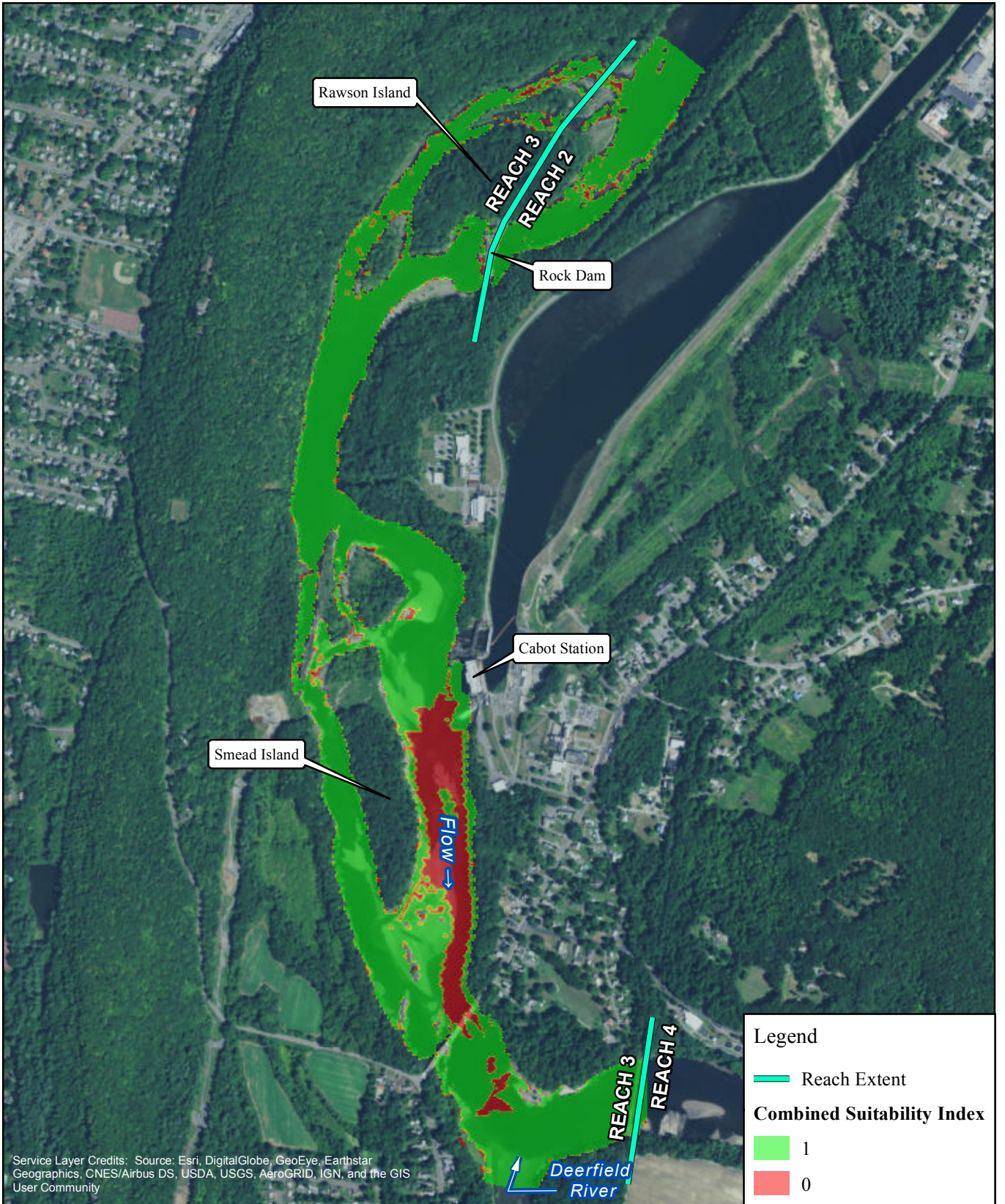
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FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1

Yellow Lampmussel-Adult
 Cabot Flow: 7000 cfs
 Bypass Flow: 200 cfs
 Deerfield Flow: 200 cfs



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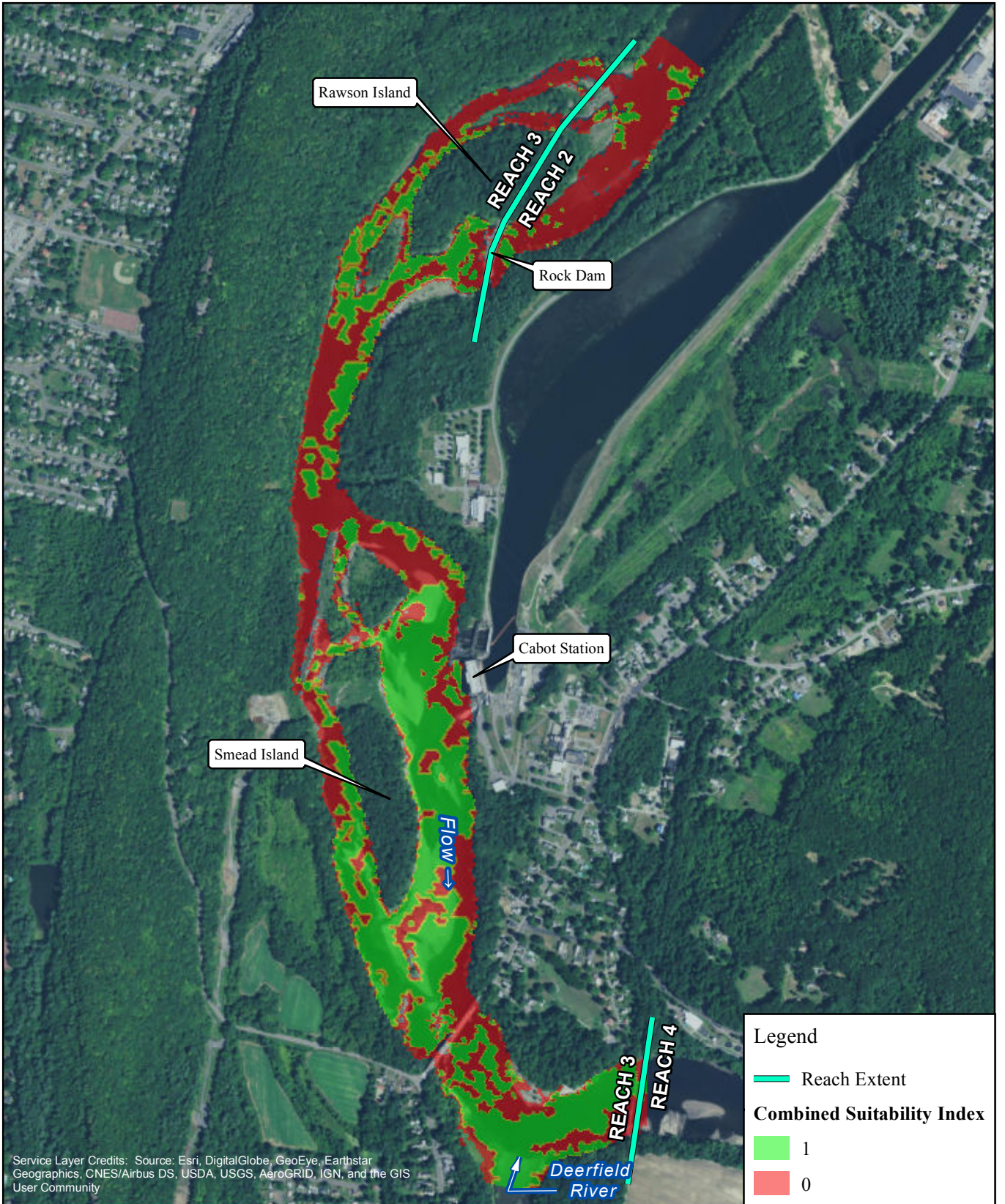
FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
RELICENSING STUDY 3.3.1

N

0 500 1,000 2,000 Feet

Yellow Lampmussel-Adult
 Cabot Flow: 7000 cfs
 Bypass Flow: 500 cfs
 Deerfield Flow: 200 cfs

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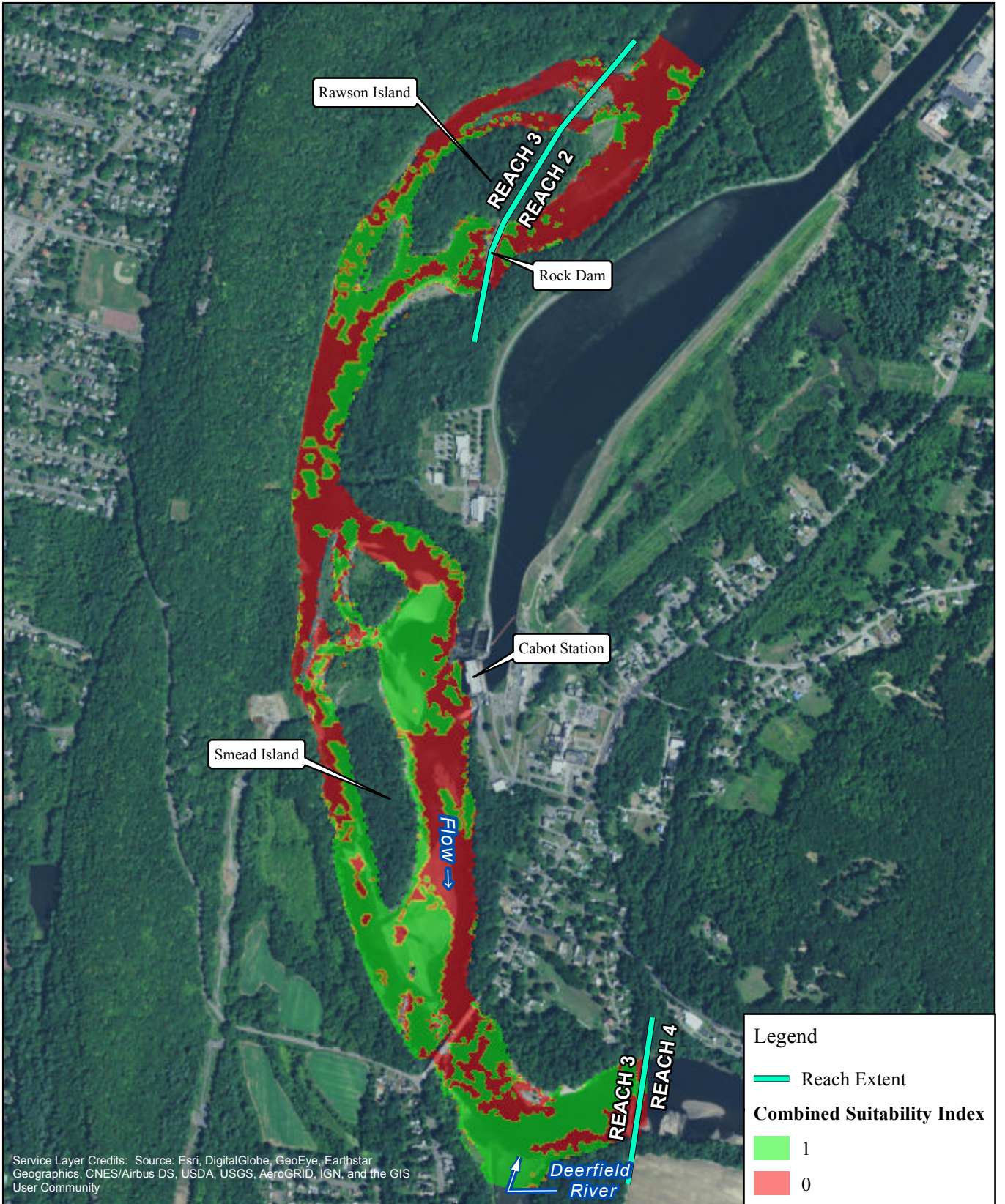
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 Turners Falls Hydroelectric Project No. 1889
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Yellow Lampmussel-Adult
 Cabot Flow: 7000 cfs
 Bypass Flow: 1000 cfs
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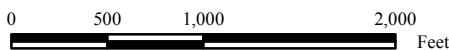
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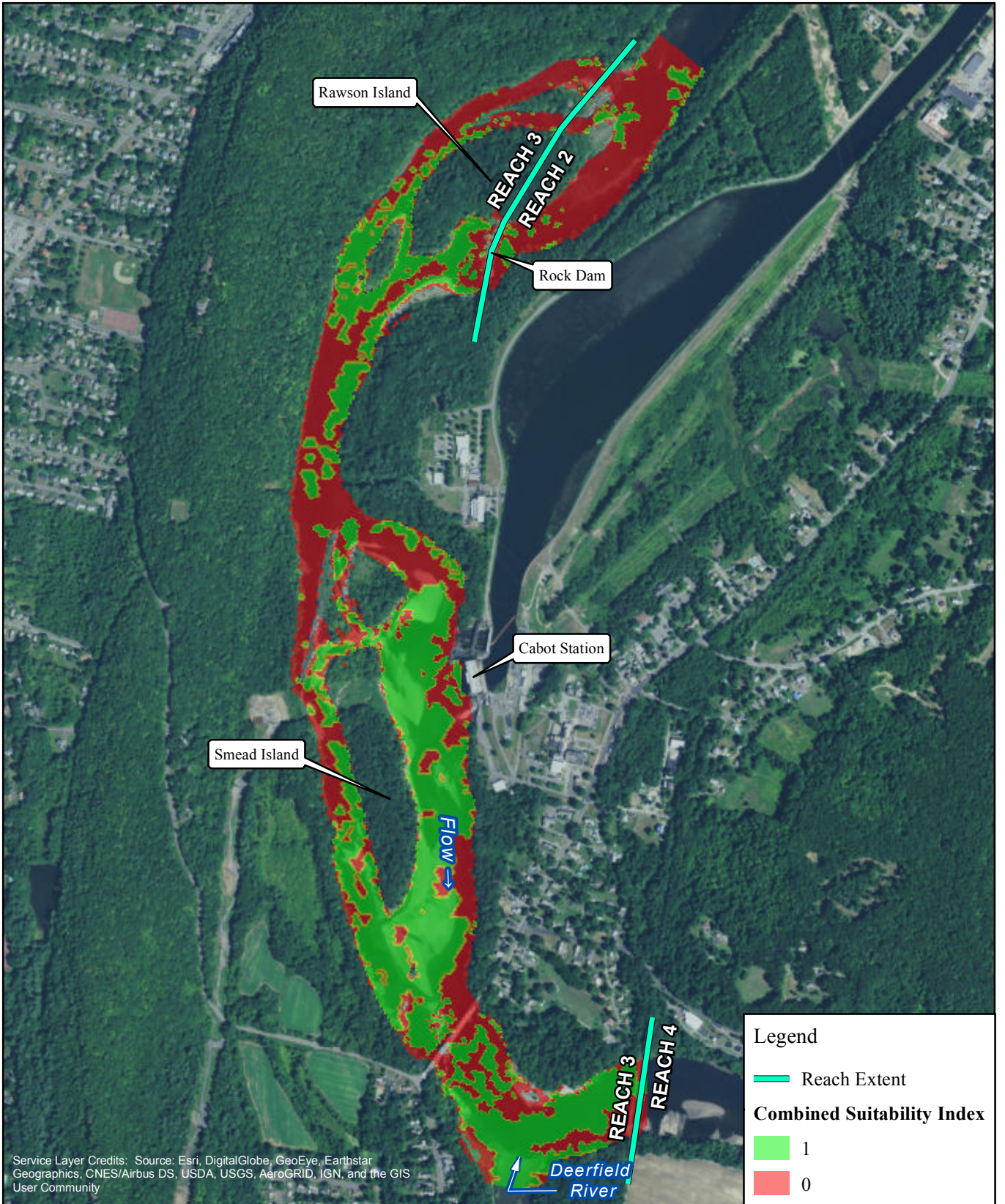


FIRSTLIGHT HYDRO GENERATING COMPANY
 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1

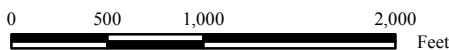


Yellow Lampmussel-Adult
 Cabot Flow: 7000 cfs
 Bypass Flow: 2000 cfs
 Deerfield Flow: 200 cfs

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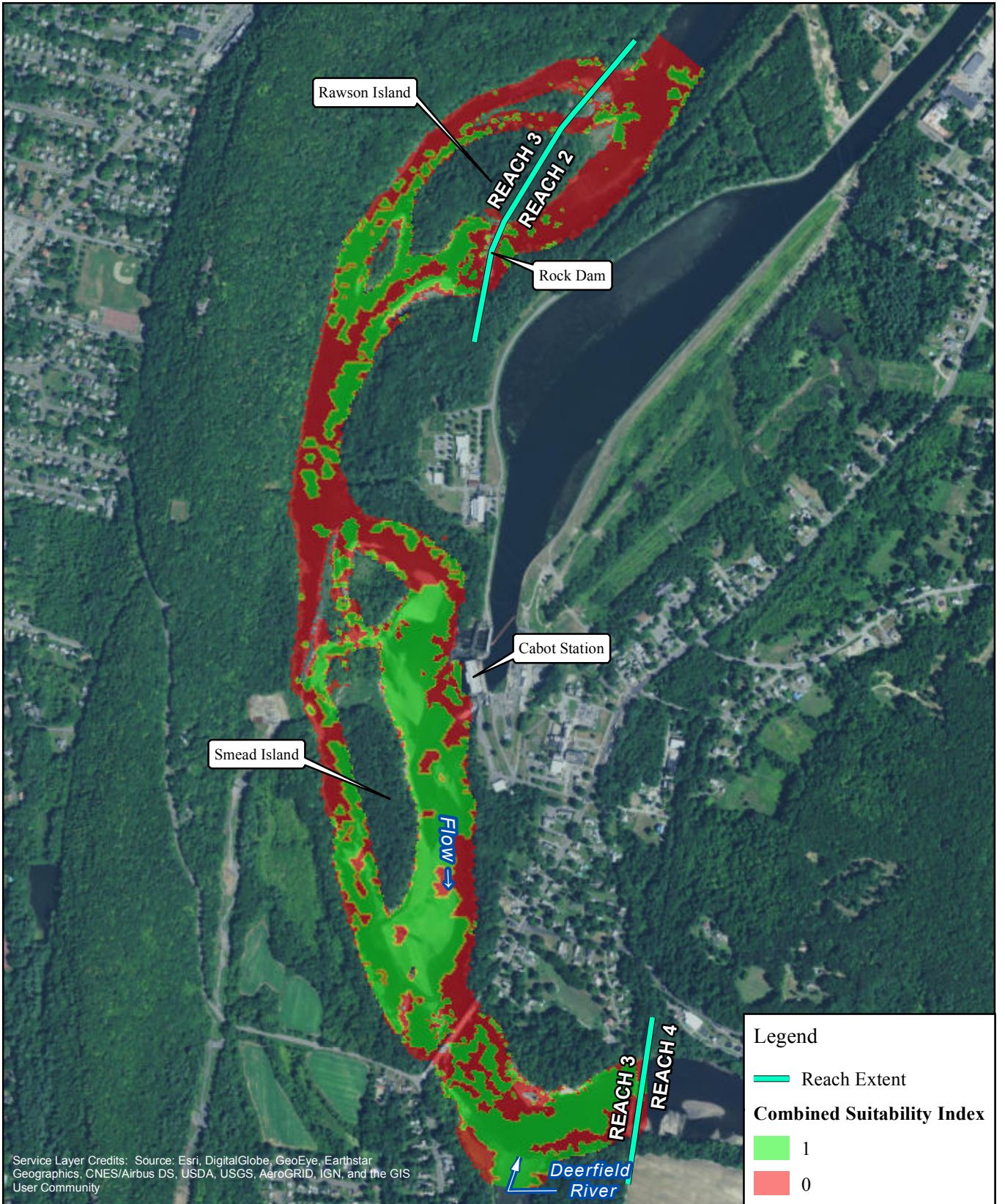


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 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1

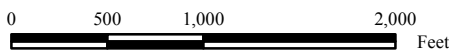


Yellow Lampmussel-Adult
 Cabot Flow: 7000 cfs
 Bypass Flow: 3000 cfs
 Deerfield Flow: 200 cfs

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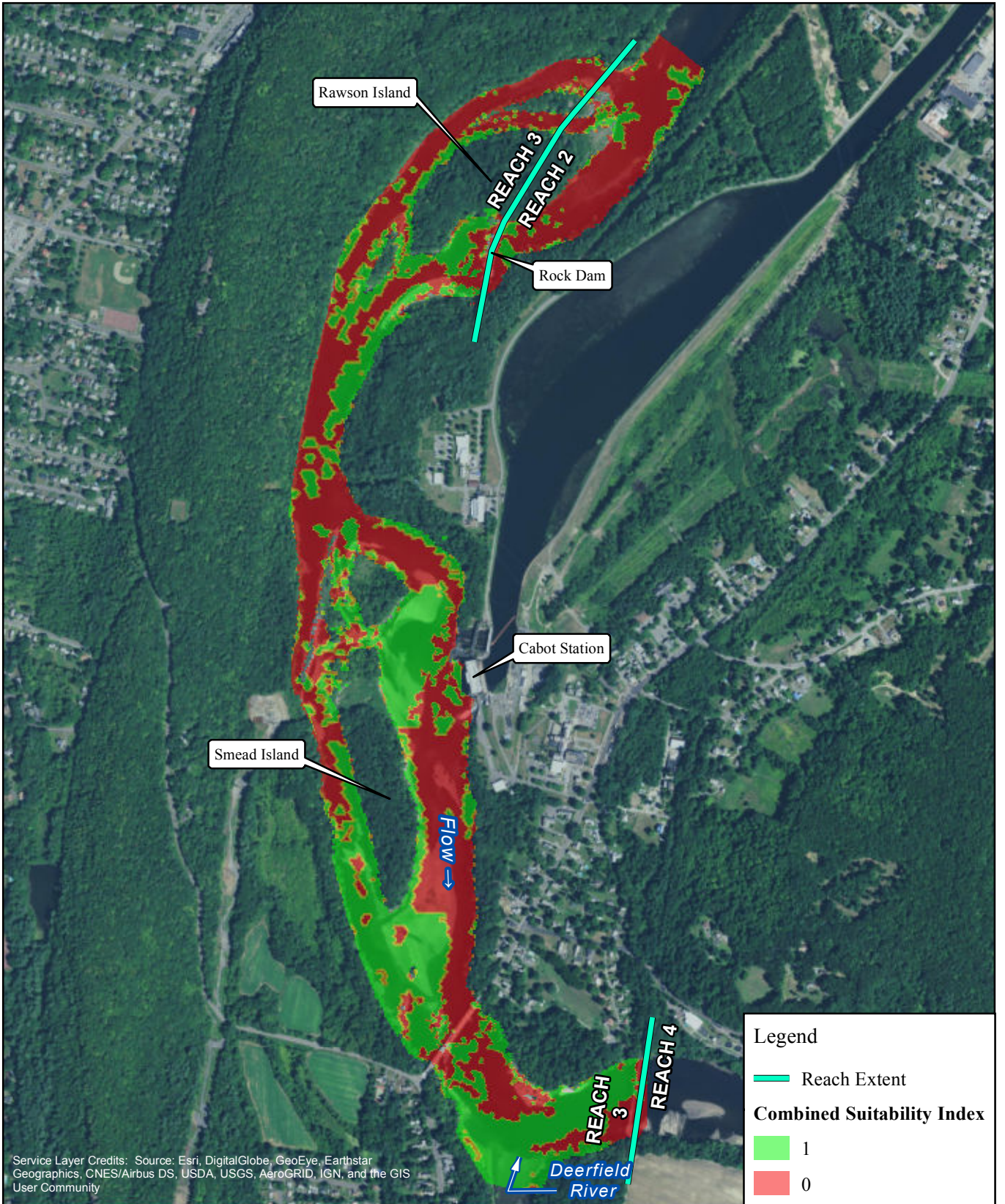


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 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



Yellow Lampmussel-Adult
 Cabot Flow: 7000 cfs
 Bypass Flow: 5000 cfs
 Deerfield Flow: 200 cfs

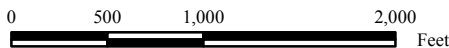
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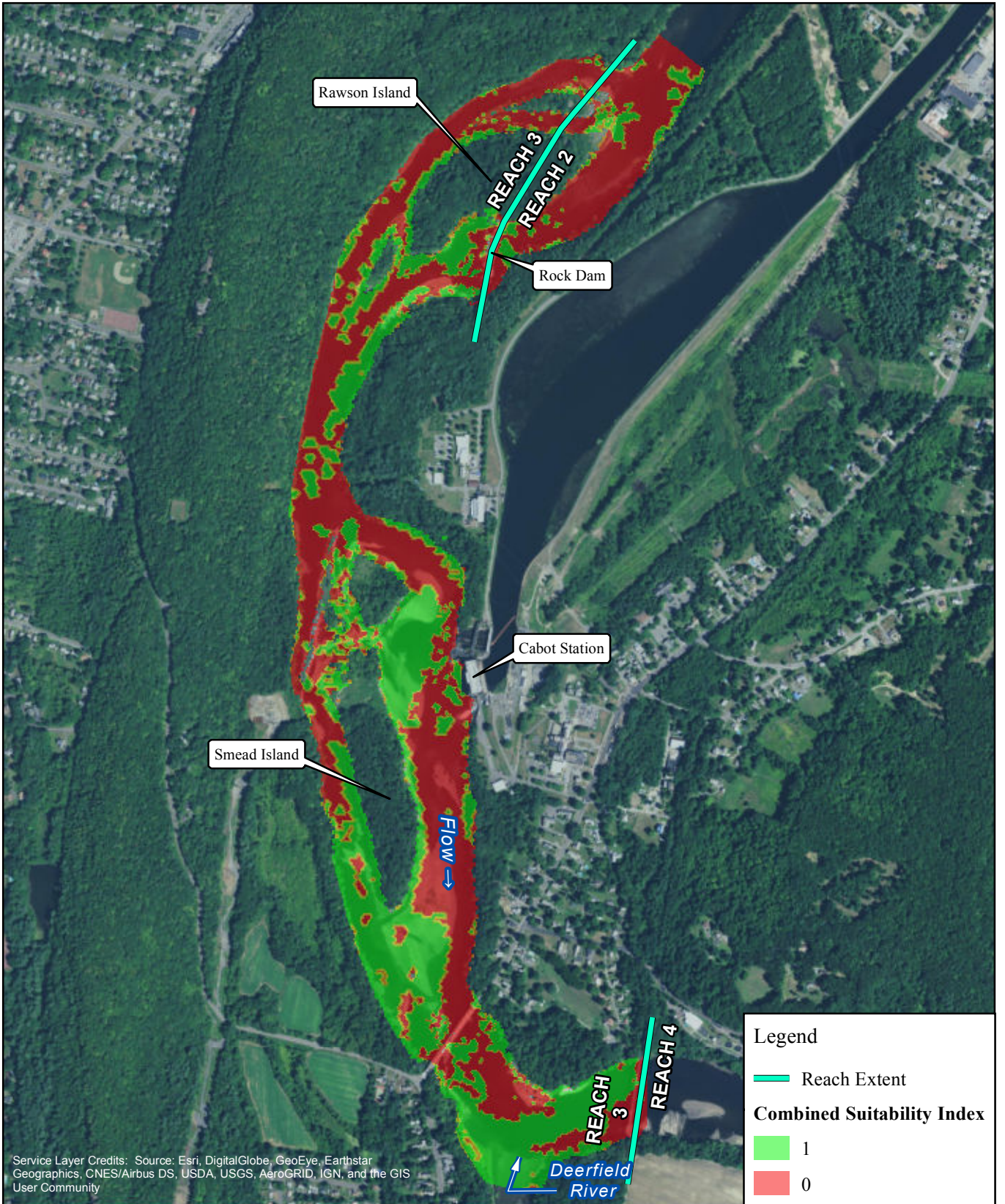
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 Turners Falls Hydroelectric Project No. 1889
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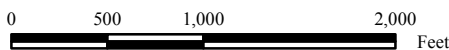
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Combined Suitability Index	
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Yellow Lampmussel-Adult
 Cabot Flow: 7000 cfs
 Bypass Flow: 6500 cfs
 Deerfield Flow: 200 cfs

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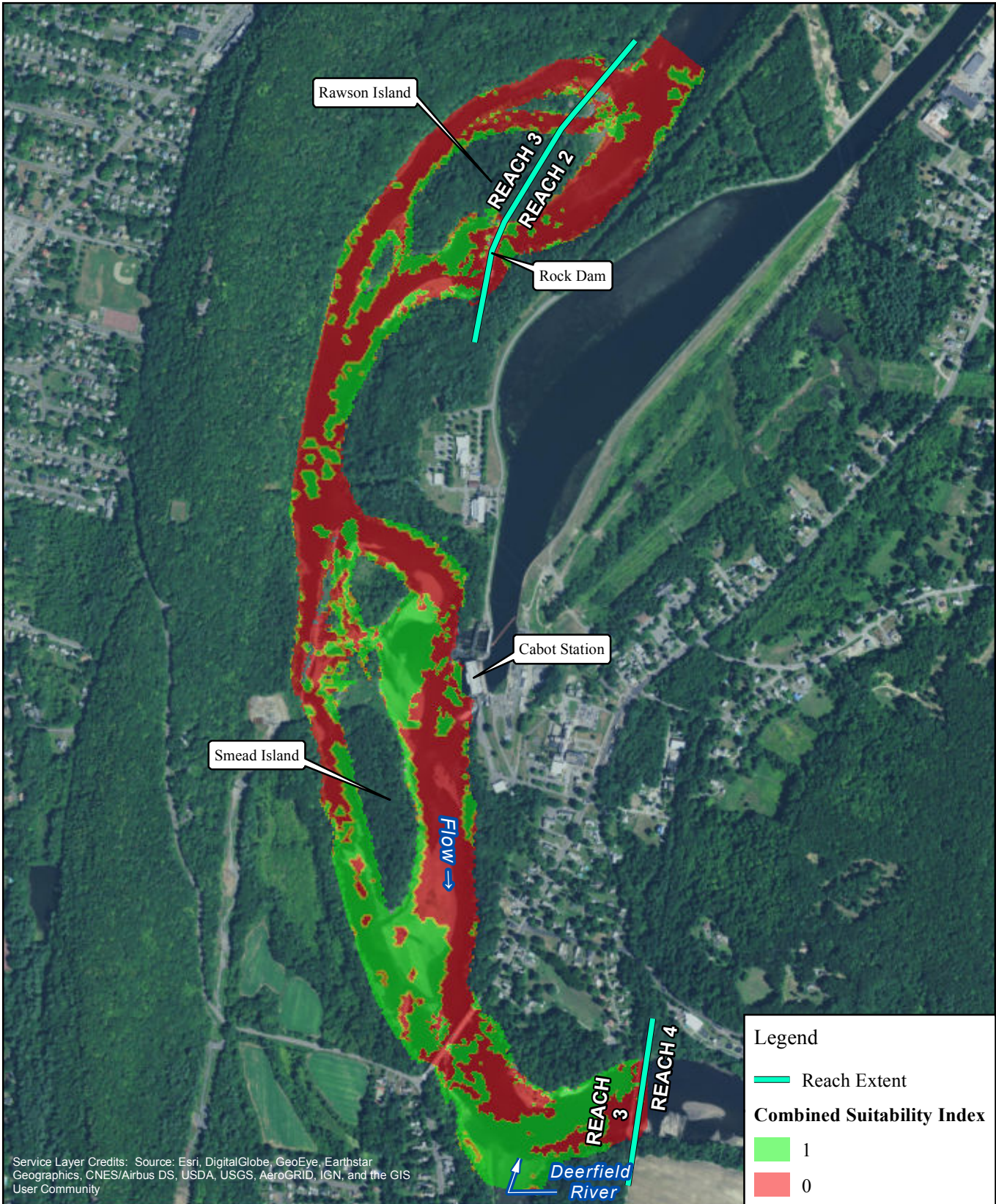


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 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
 RELICENSING STUDY 3.3.1



Yellow Lampmussel-Adult
 Cabot Flow: 7000 cfs
 Bypass Flow: 8000 cfs
 Deerfield Flow: 200 cfs

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Legend

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Combined Suitability Index

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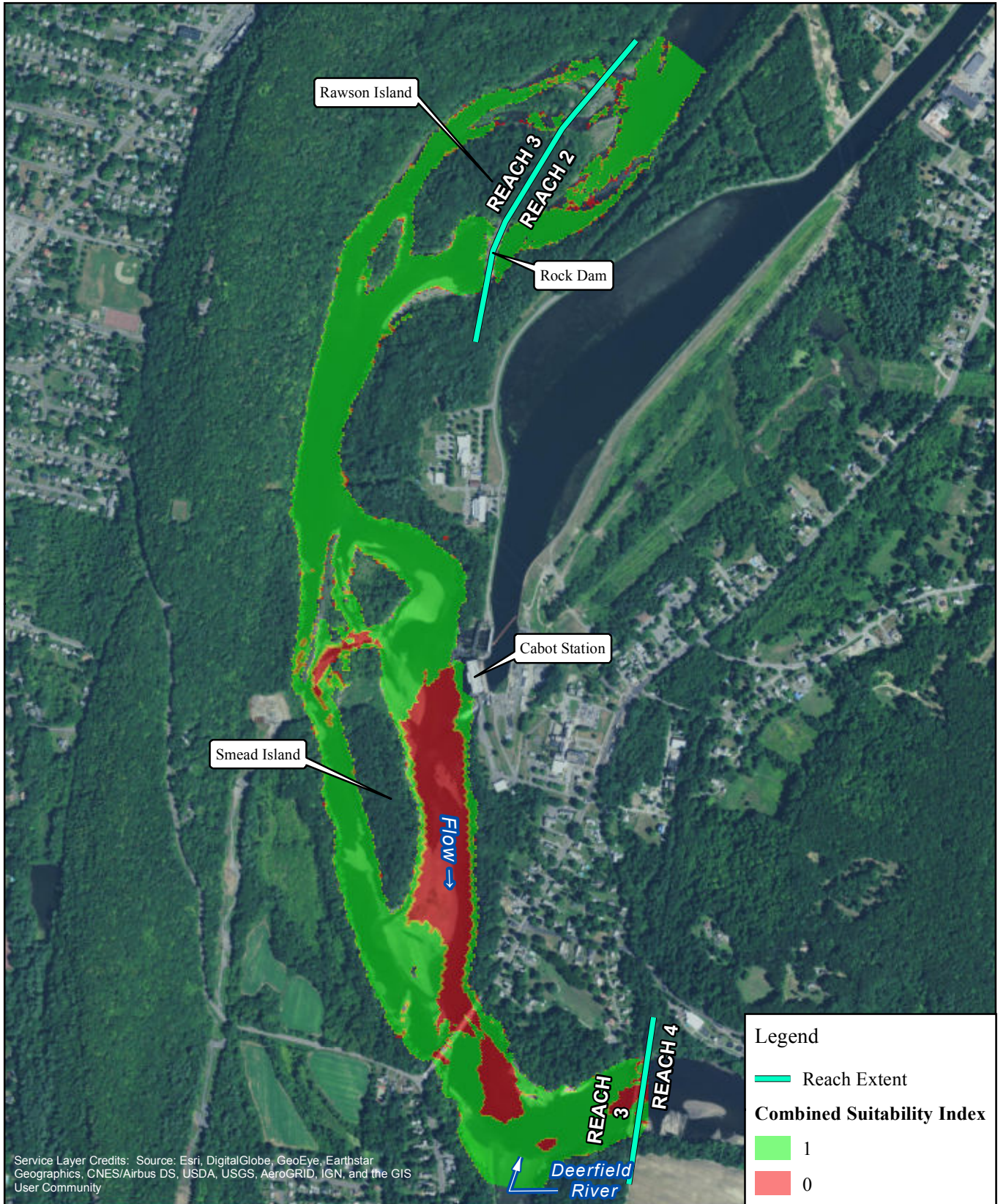
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 Northfield Mountain Pumped Storage Project No. 2485
 Turners Falls Hydroelectric Project No. 1889
RELICENSING STUDY 3.3.1

Yellow Lampmussel-Adult
 Cabot Flow: 7000 cfs
 Bypass Flow: 10000 cfs
 Deerfield Flow: 200 cfs

0 500 1,000 2,000 Feet

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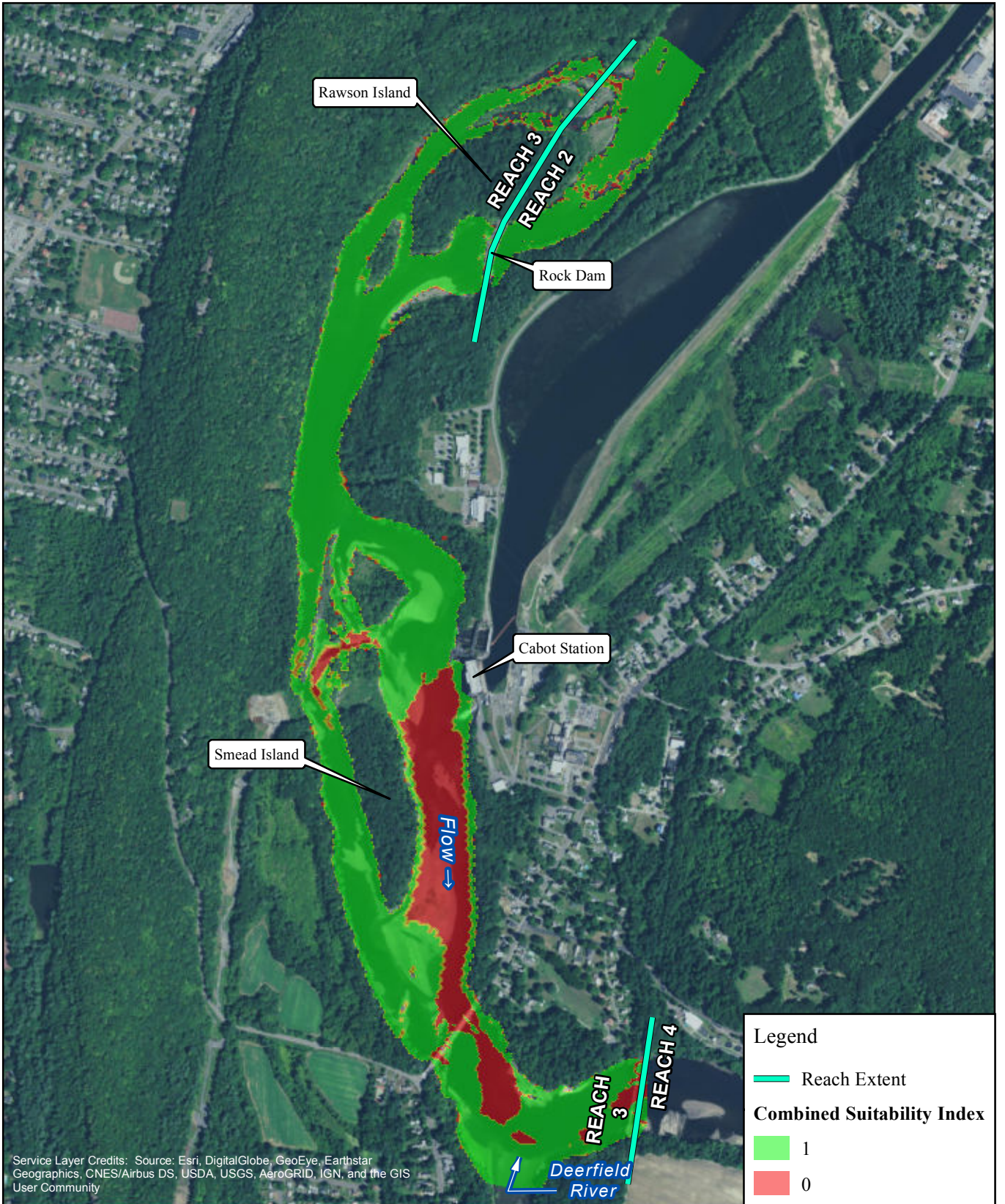
Yellow Lampmussel-Adult

Cabot Flow: 14000 cfs

Bypass Flow: 200 cfs

Deerfield Flow: 200 cfs

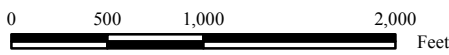
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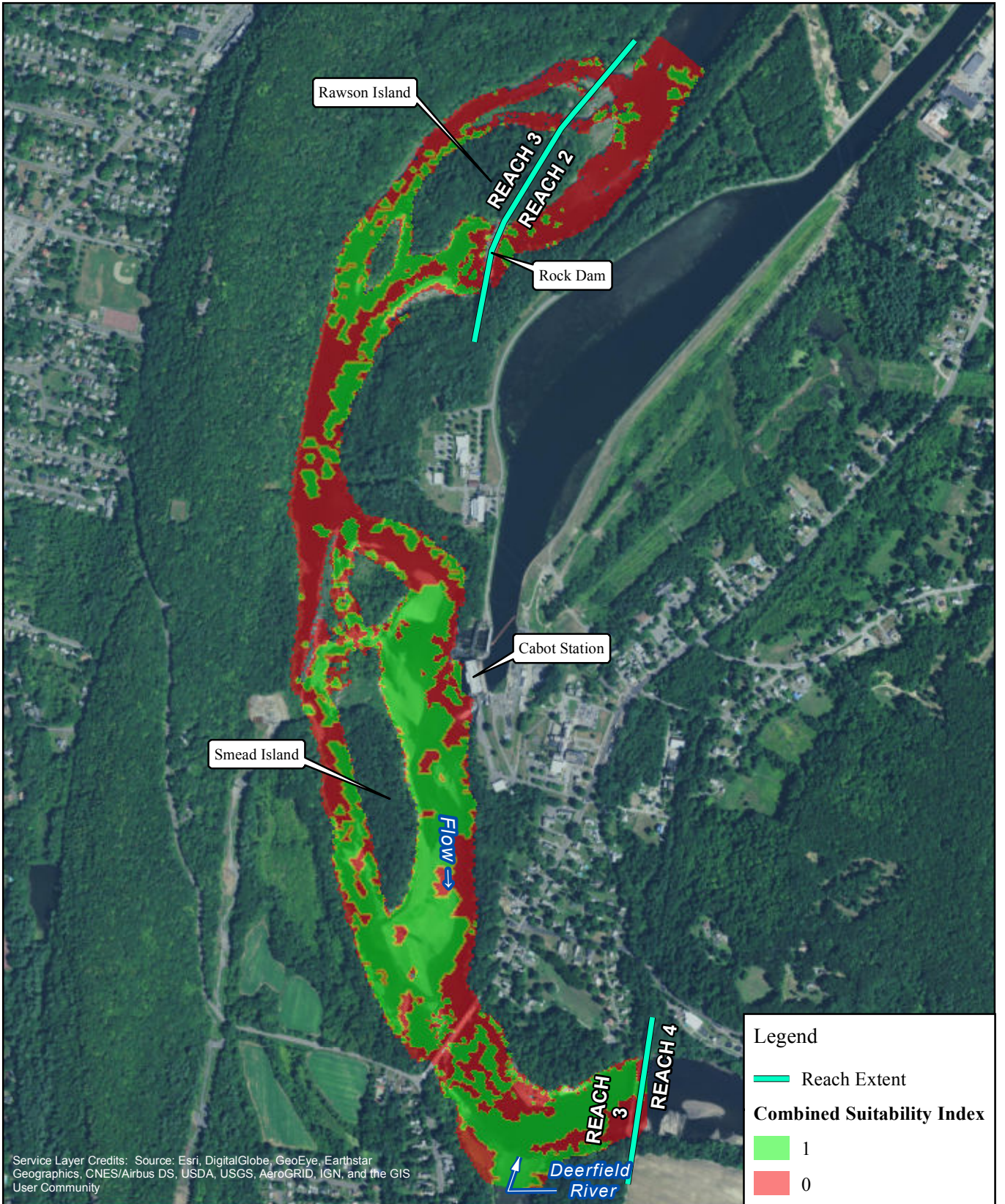
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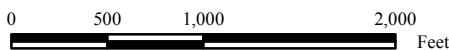
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Combined Suitability Index	
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Yellow Lampmussel-Adult
 Cabot Flow: 14000 cfs
 Bypass Flow: 500 cfs
 Deerfield Flow: 200 cfs

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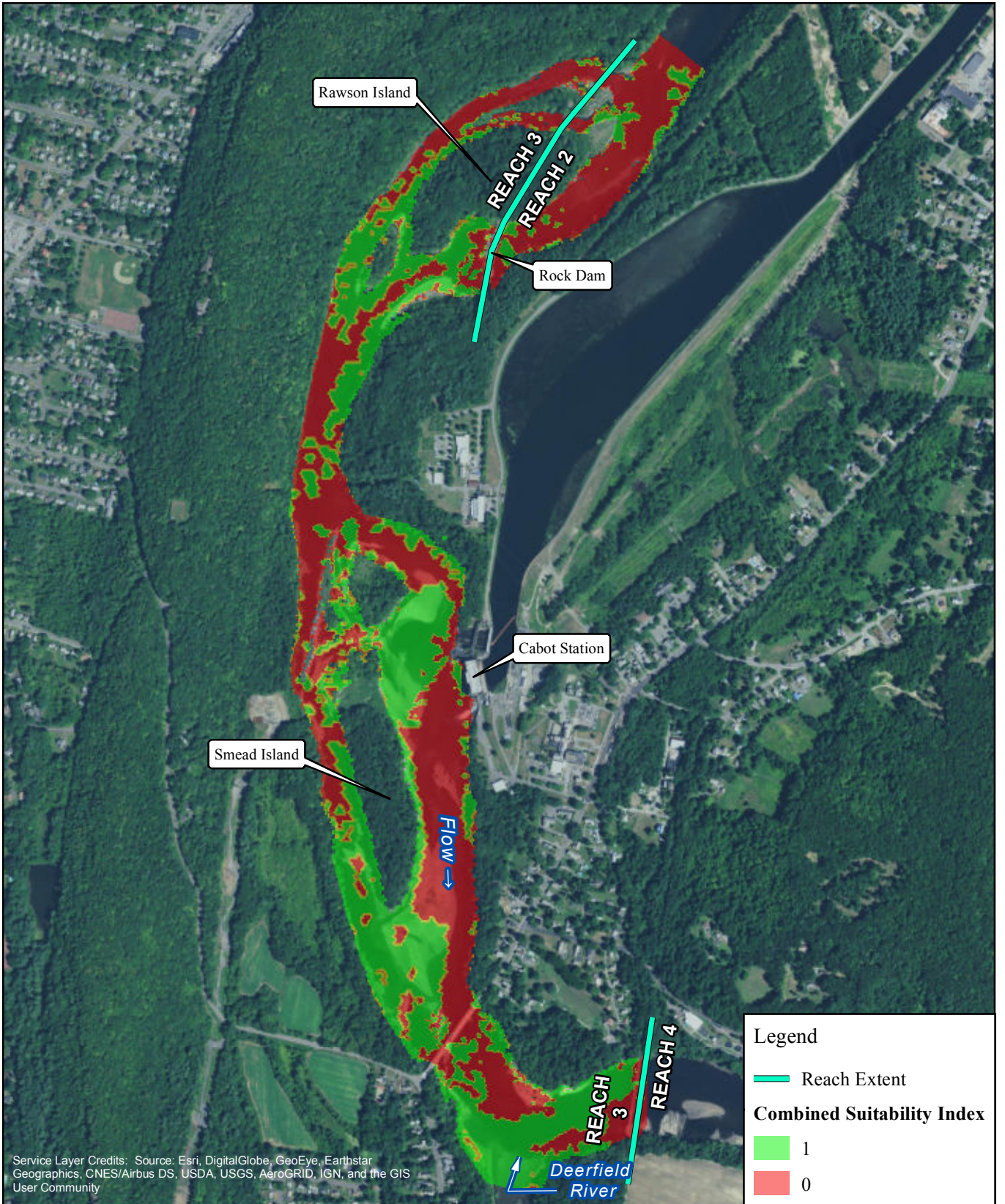


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Yellow Lampmussel-Adult
 Cabot Flow: 14000 cfs
 Bypass Flow: 1000 cfs
 Deerfield Flow: 200 cfs

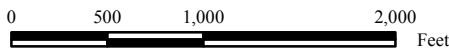
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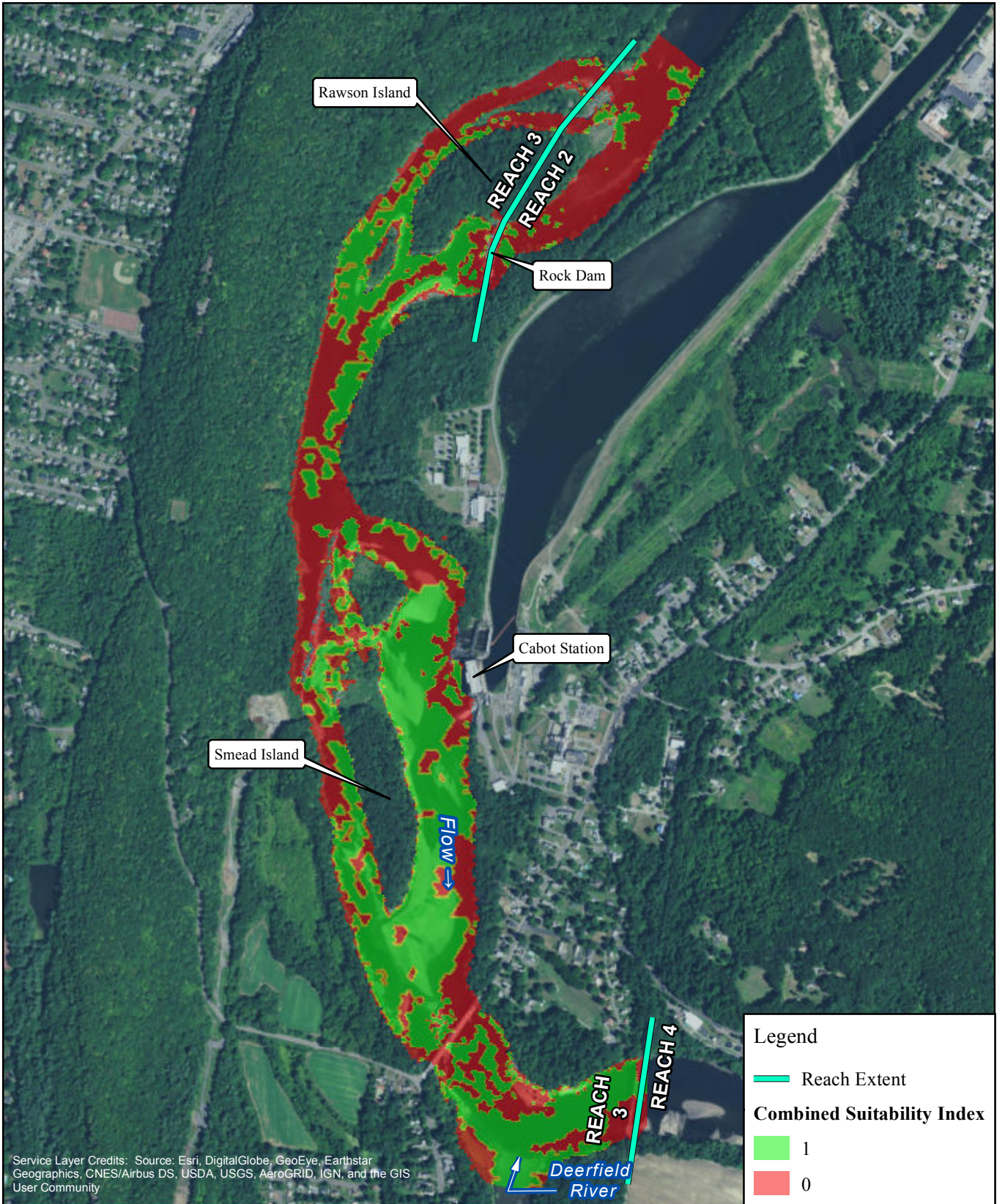
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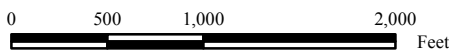
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Yellow Lampmussel-Adult	
Cabot Flow:	14000 cfs
Bypass Flow:	2000 cfs
Deerfield Flow:	200 cfs

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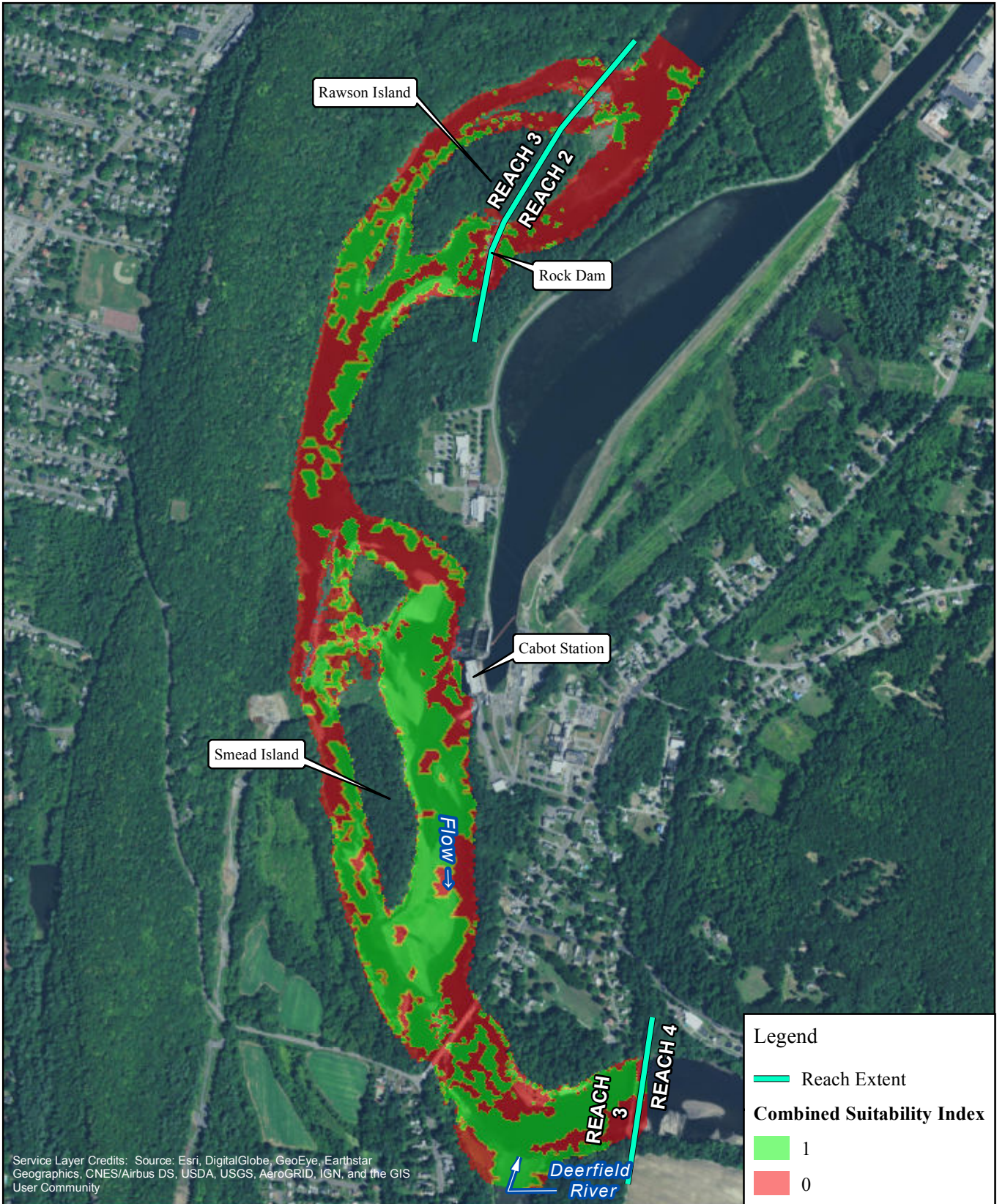


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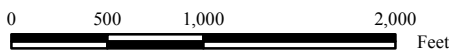


Yellow Lampmussel-Adult
 Cabot Flow: 14000 cfs
 Bypass Flow: 3000 cfs
 Deerfield Flow: 200 cfs

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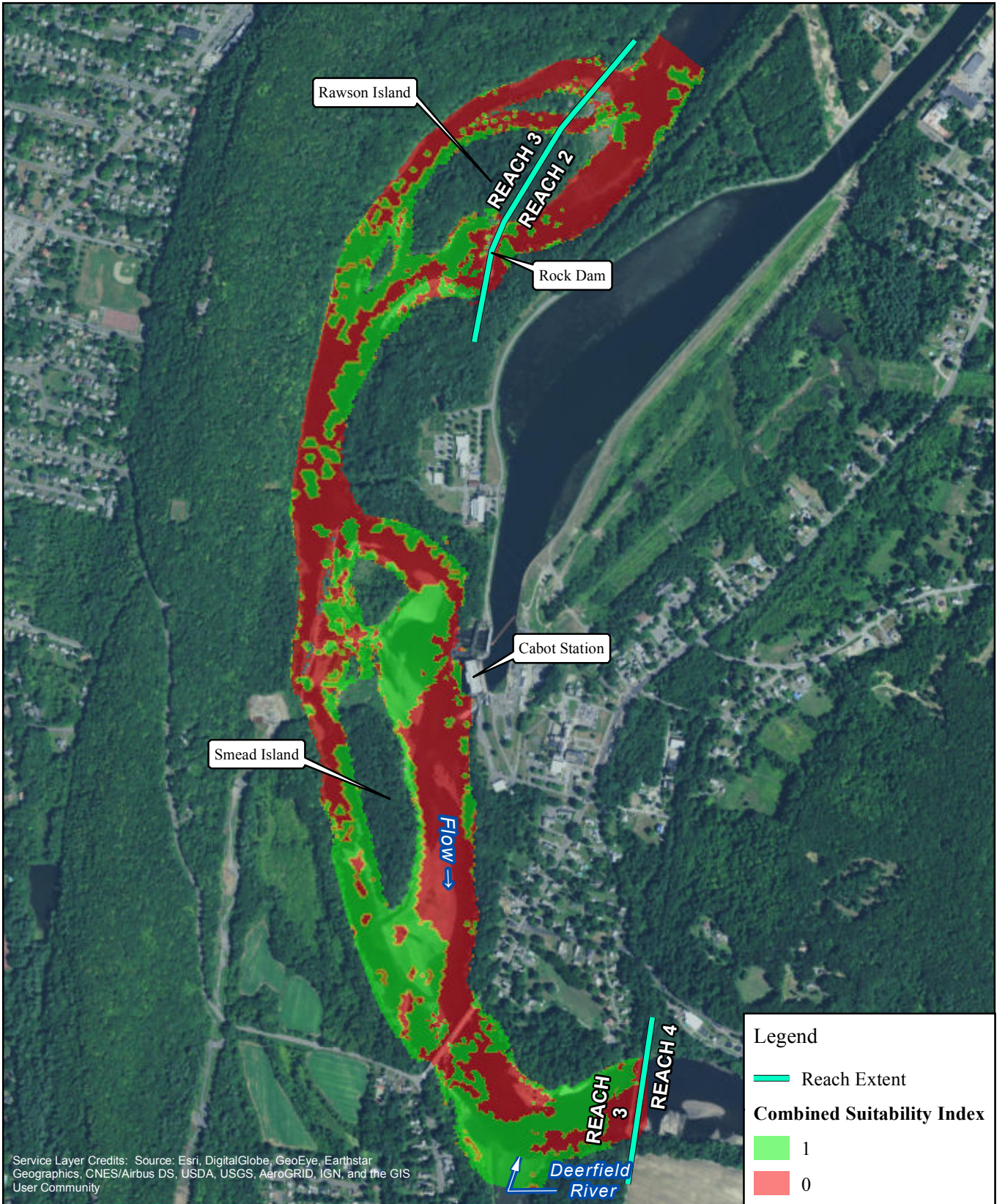


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Yellow Lampmussel-Adult
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 Bypass Flow: 5000 cfs
 Deerfield Flow: 200 cfs

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Legend

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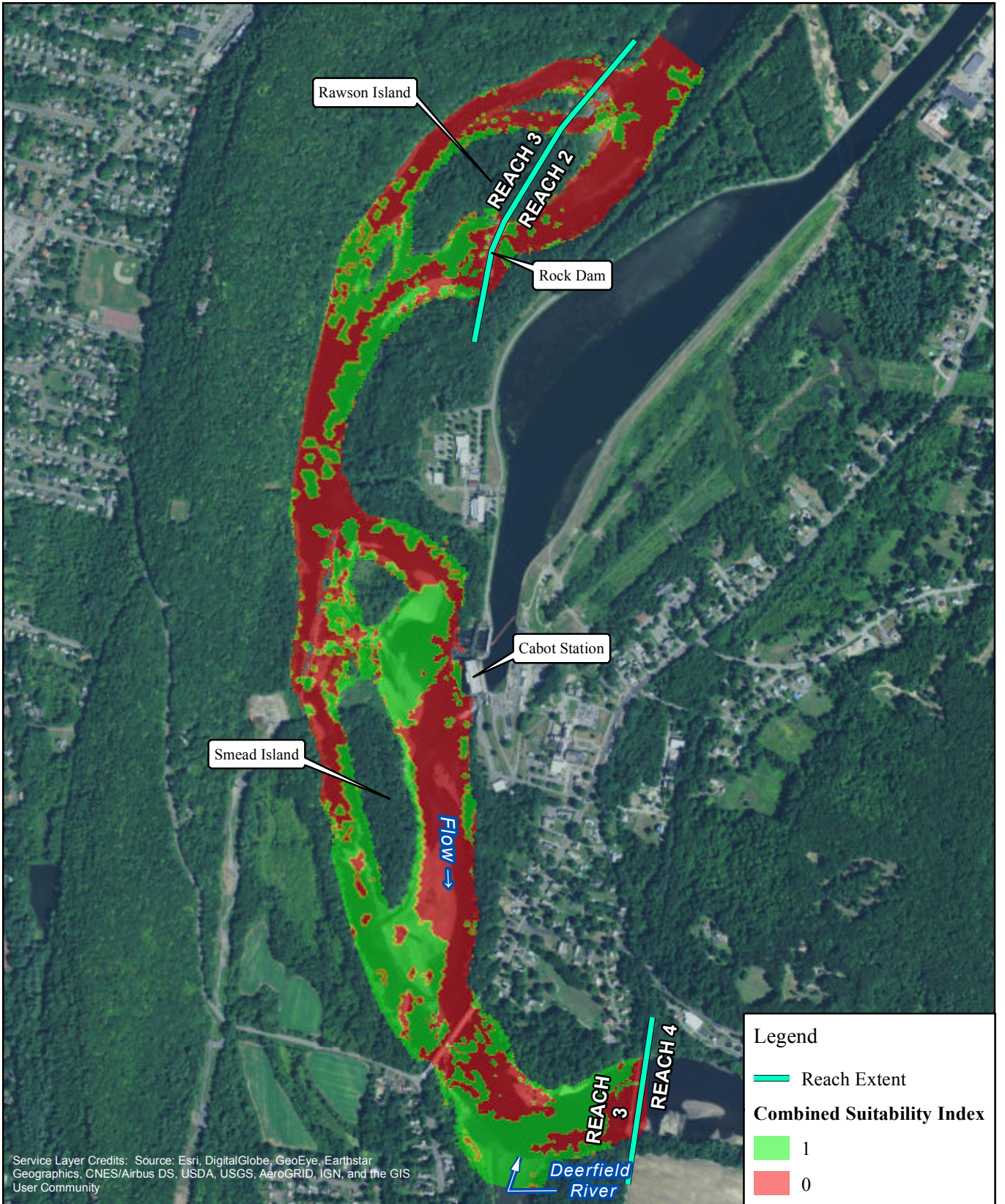
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FIRSTLIGHT HYDRO GENERATING COMPANY
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Yellow Lampmussel-Adult
 Cabot Flow: 14000 cfs
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0 500 1,000 2,000 Feet

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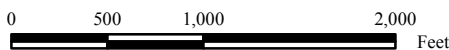
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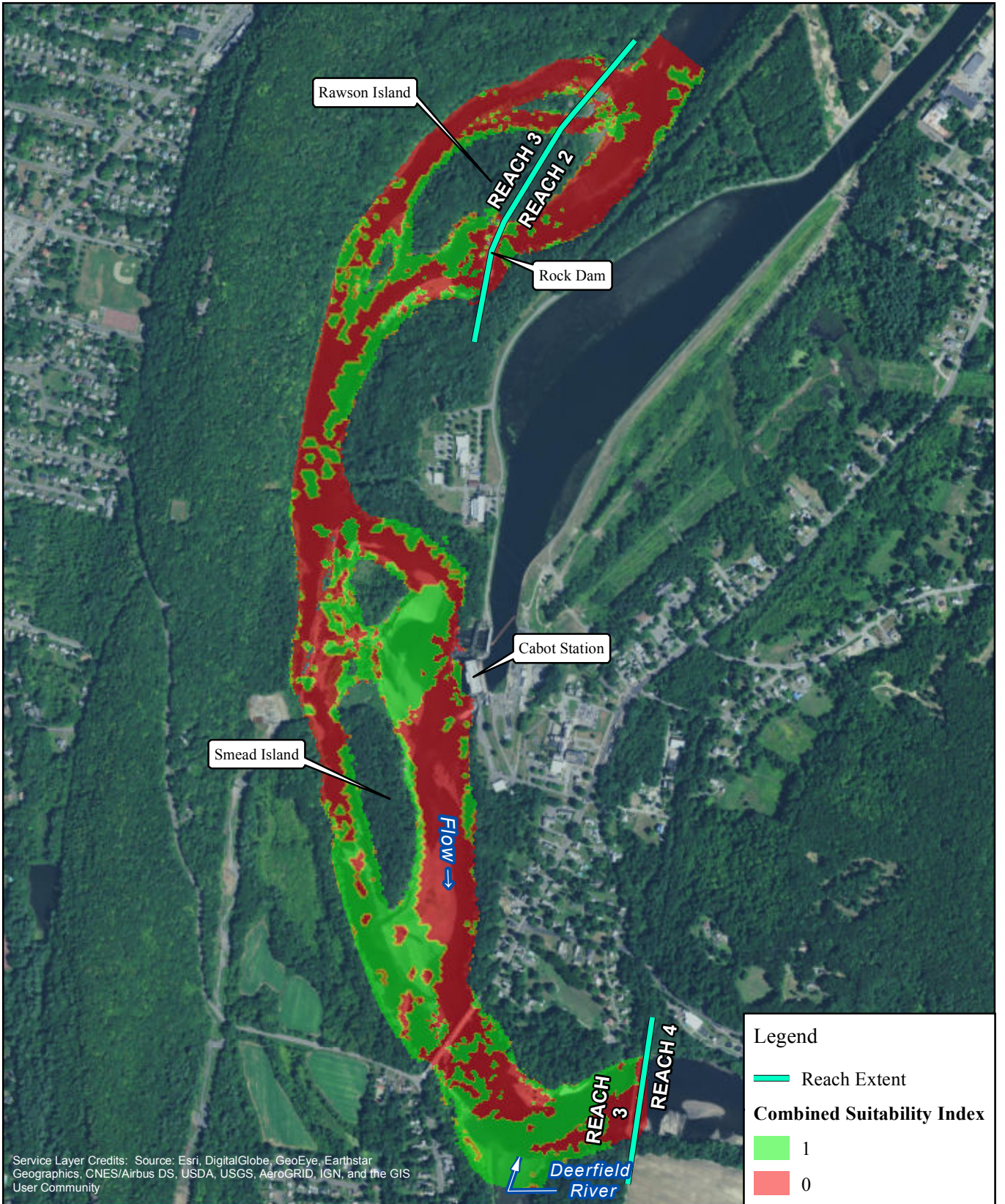


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Yellow Lampmussel-Adult
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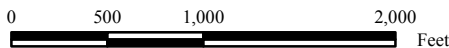
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