

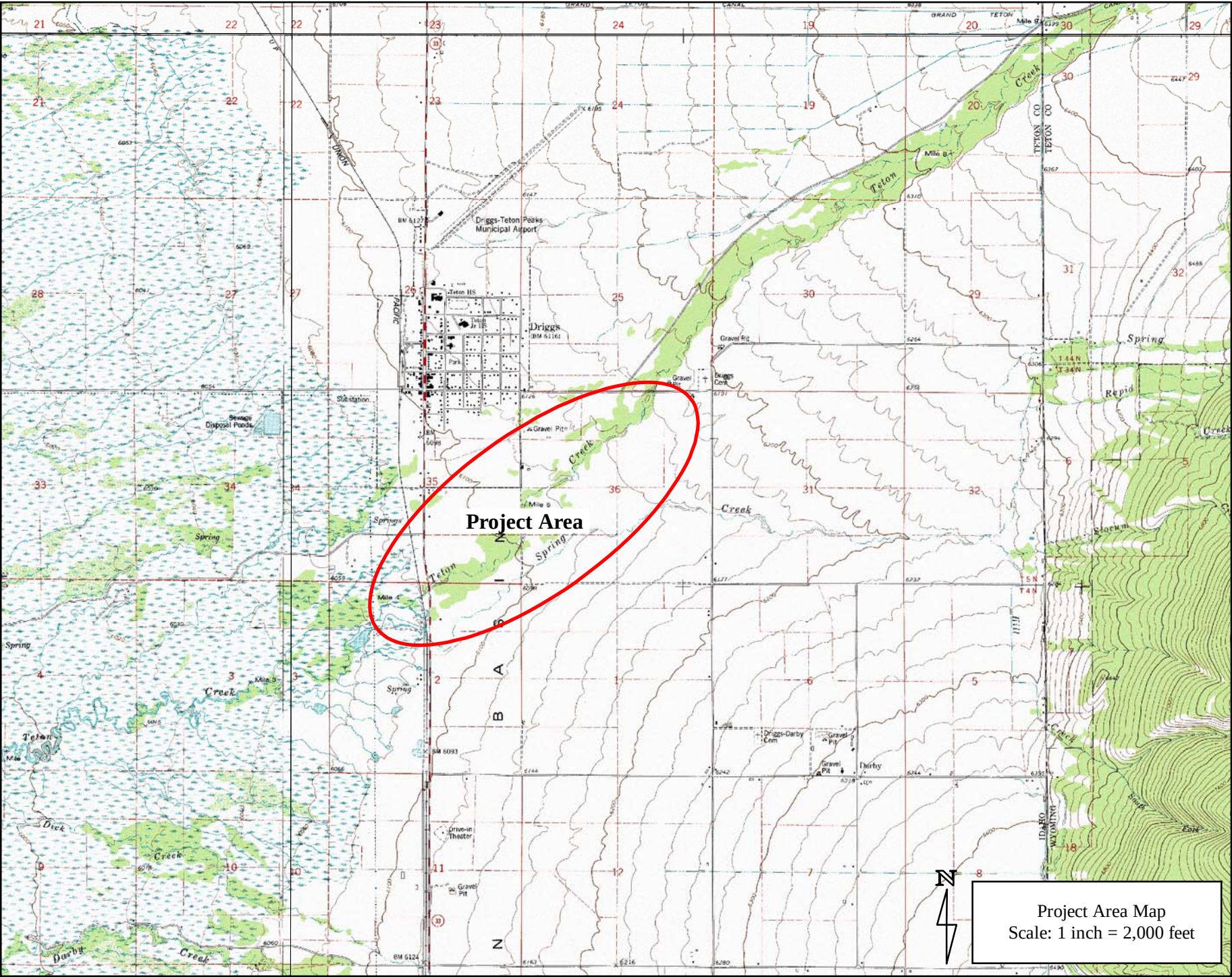
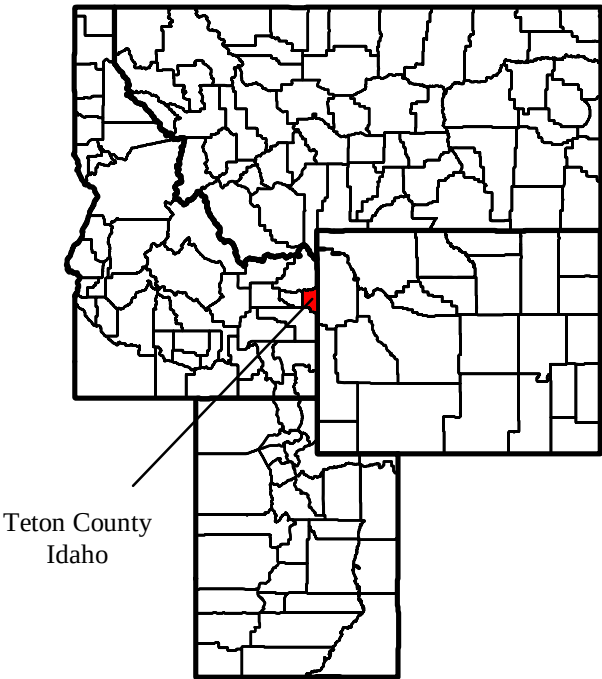
TETON CREEK GEOMORPHIC ASSESSMENT

REPORT DRAWINGS

Prepared for:
Friends of the Teton River
P.O. Box 67, Driggs, ID 83422

SHEET INDEX

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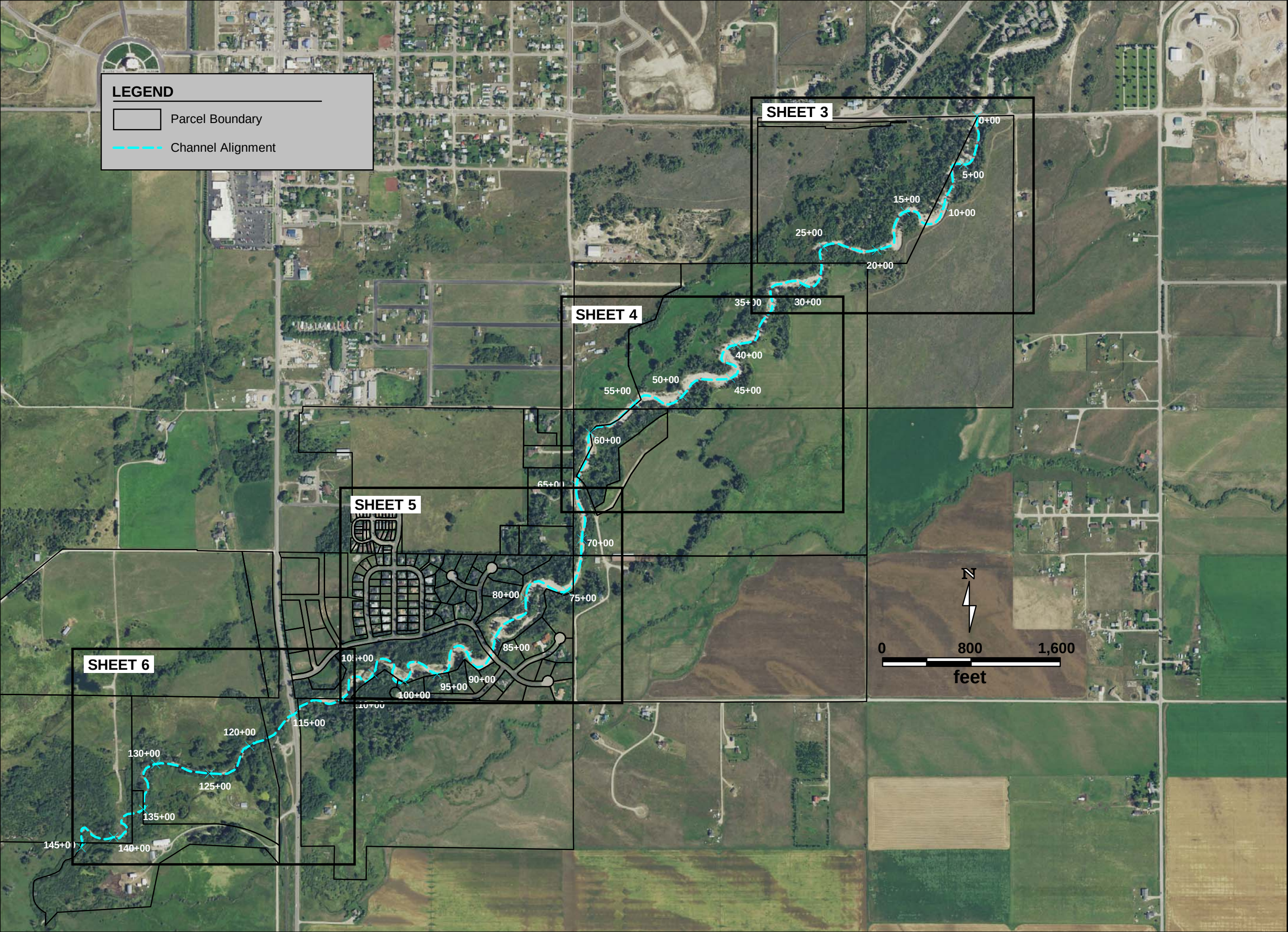
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TITLE SHEET

Teton Creek Geomorphic Assessment
Teton County, Idaho

Date: 8/16/2017

SHEET 1



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INDEX SHEET

SITE CONDITIONS AND PHOTO POINTS

Teton Creek Geomorphic Assessment
Teton County, Idaho

Date: 8/16/2017
2015 Aerial Photograph
Scale: 1 inch = 800 feet

SHEET 2

SITE CONDITIONS (1)

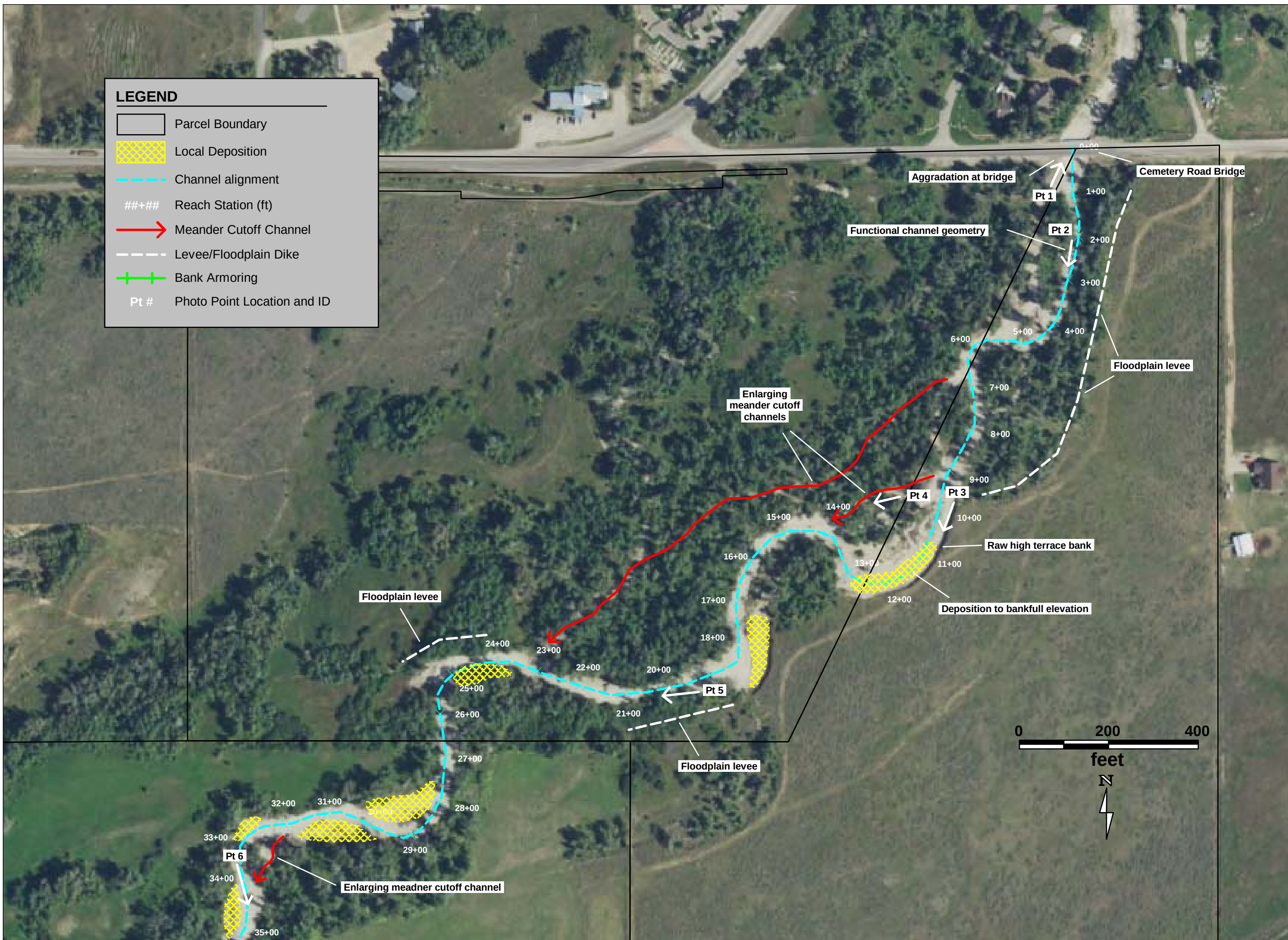
Teton Creek Geomorphic Assessment
Teton County, Idaho

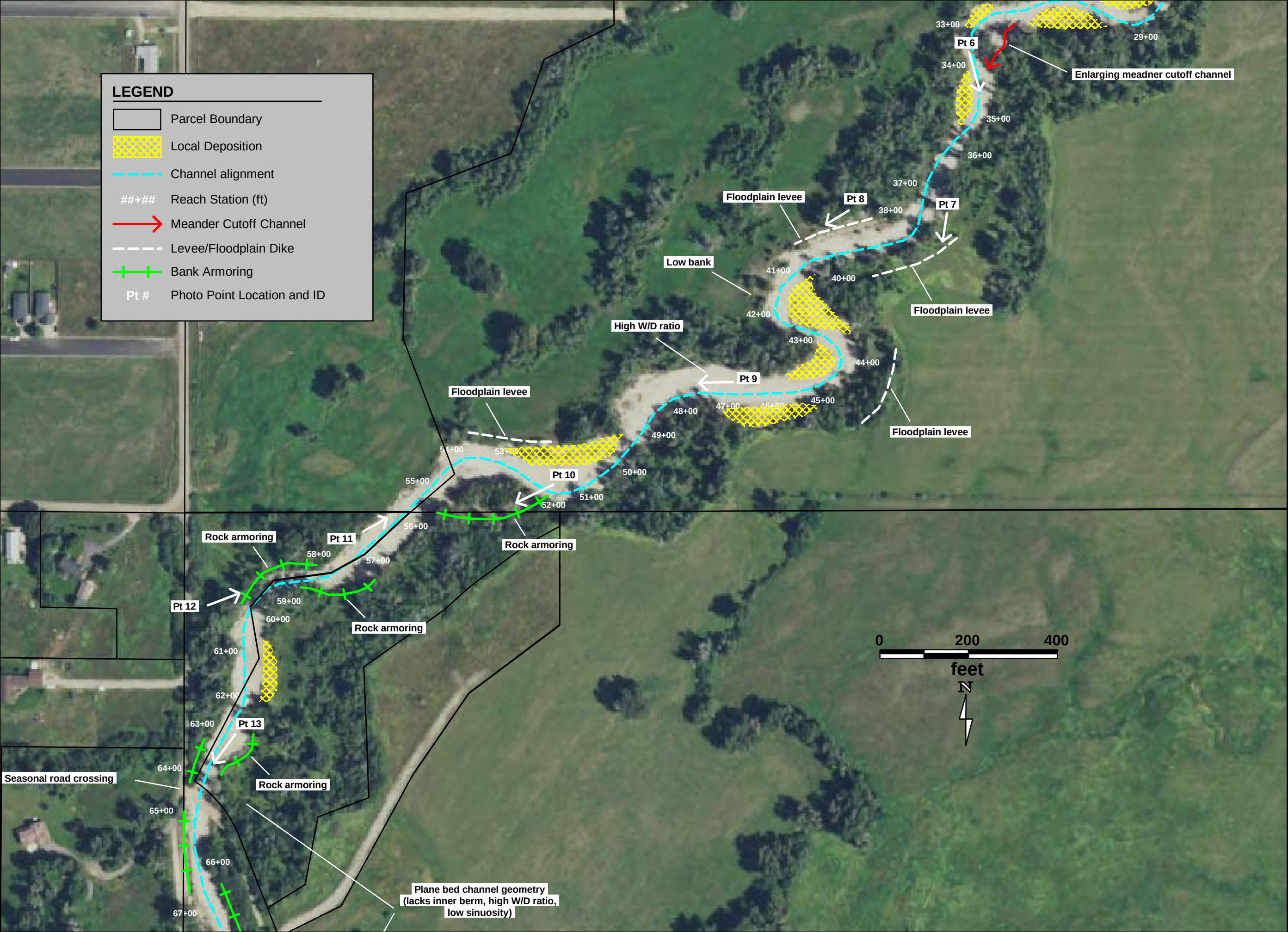
Date: 8/16/2017
2015 Aerial Photograph
Scale: 1 inch = 200 feet

SHEET 3

LEGEND

-  Parcel Boundary
-  Local Deposition
-  Channel alignment
-  Reach Station (ft)
-  Meander Cutoff Channel
-  Levee/Floodplain Dike
-  Bank Armoring
-  Photo Point Location and ID



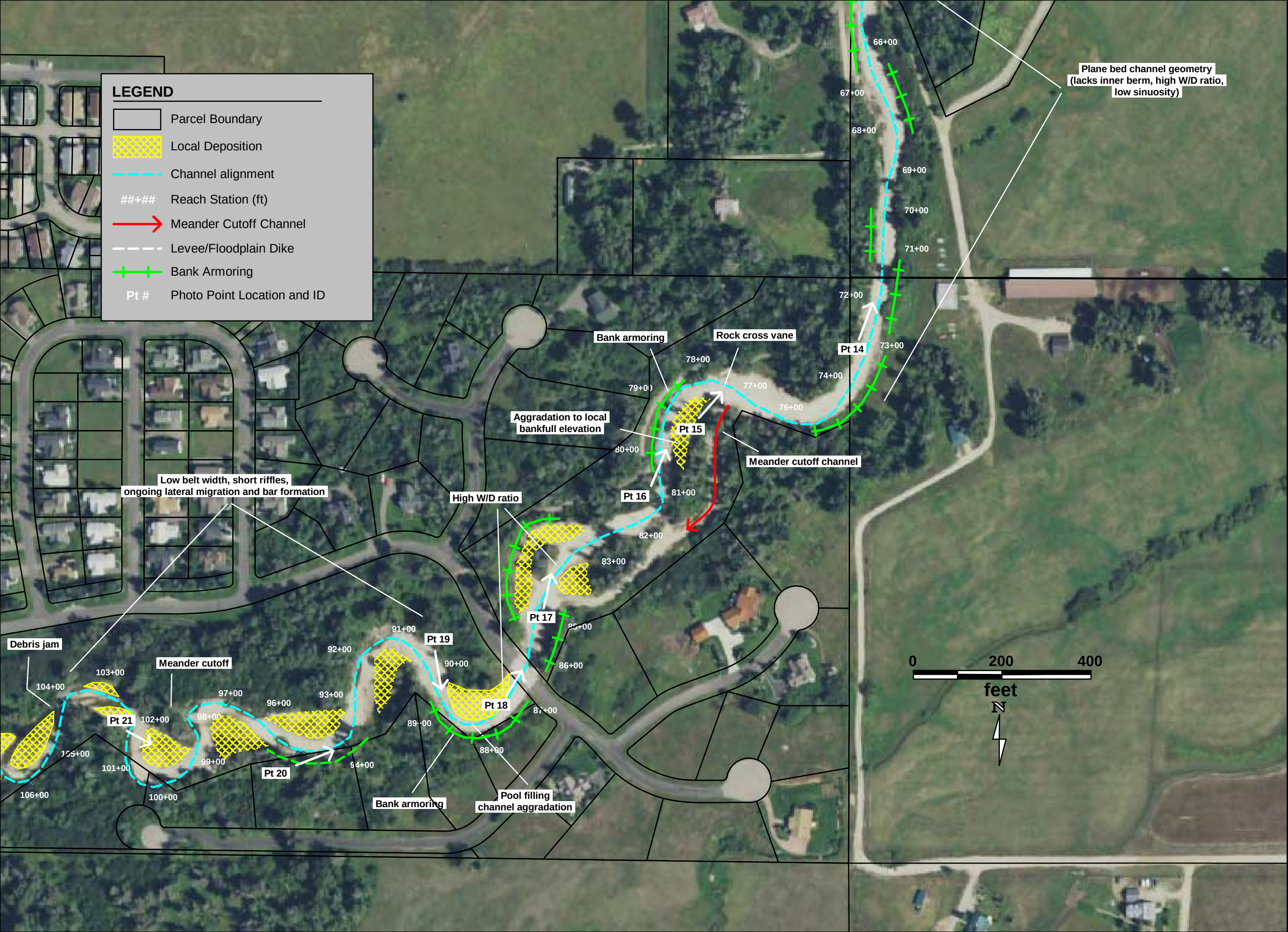


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SITE CONDITIONS (2)

Teton Creek Geomorphic Assessment
Teton County, Idaho

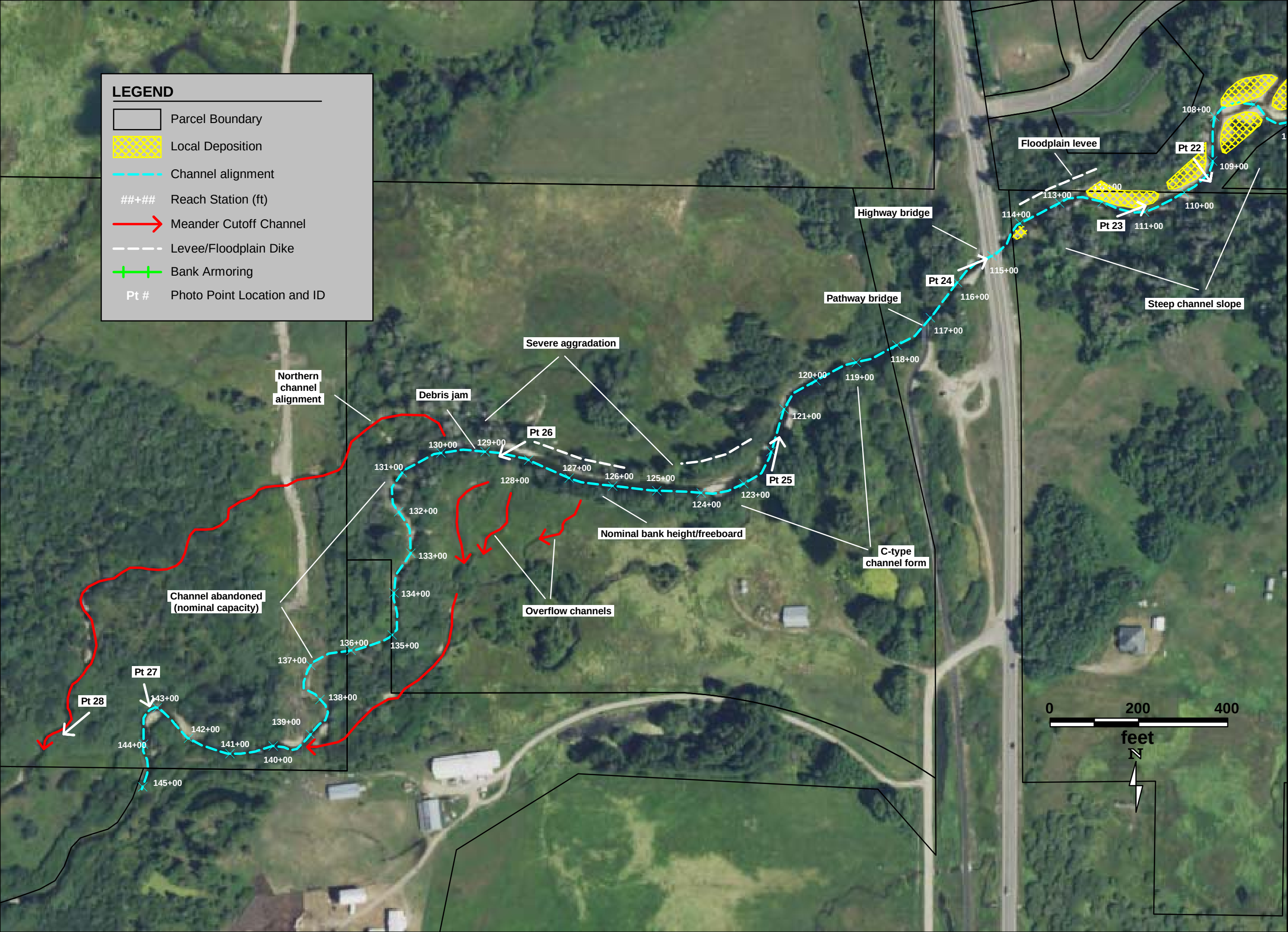
Date: 8/16/2017
2015 Aerial Photograph
Scale: 1 inch = 200 feet



SITE CONDITIONS (3)

Teton Creek Geomorphic Assessment
Teton County, Idaho

Date: 8/16/2017
2015 Aerial Photograph
Scale: 1 inch = 200 feet



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SITE CONDITIONS (4)

**Teton Creek Geomorphic Assessment
Teton County, Idaho**

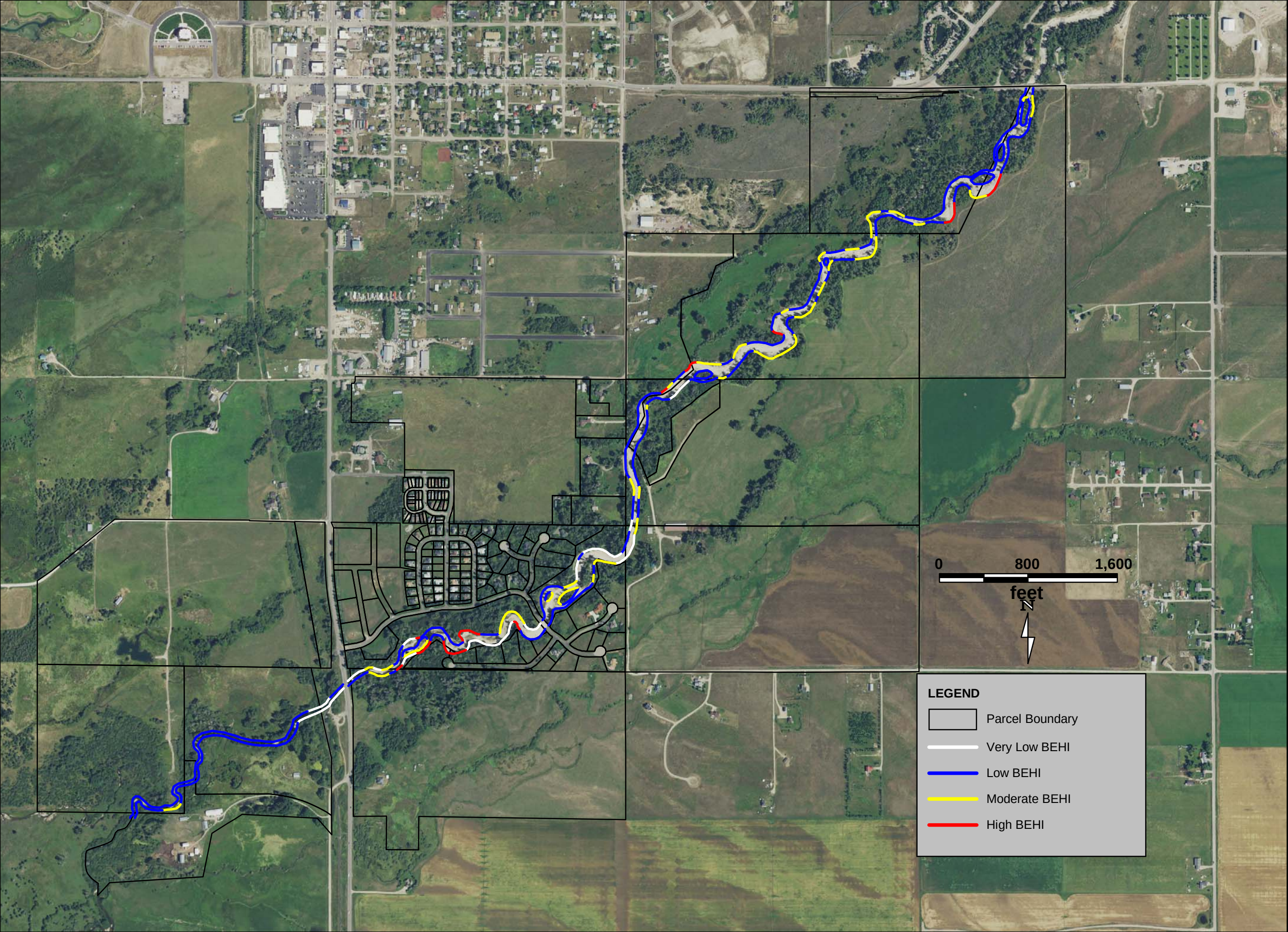
Date: 8/16/2017
2015 Aerial Photograph
Scale: 1 inch = 200 feet



**BANK EROSION HAZARD INDEX
2007 RESULTS
SUMMARY**

Teton Creek Geomorphic Assessment
Teton County, Idaho

Date: 8/16/2017
2015 Aerial Photograph
Scale: 1 inch = 800 feet



LEGEND

- Parcel Boundary
- Very Low BEHI
- Low BEHI
- Moderate BEHI
- High BEHI

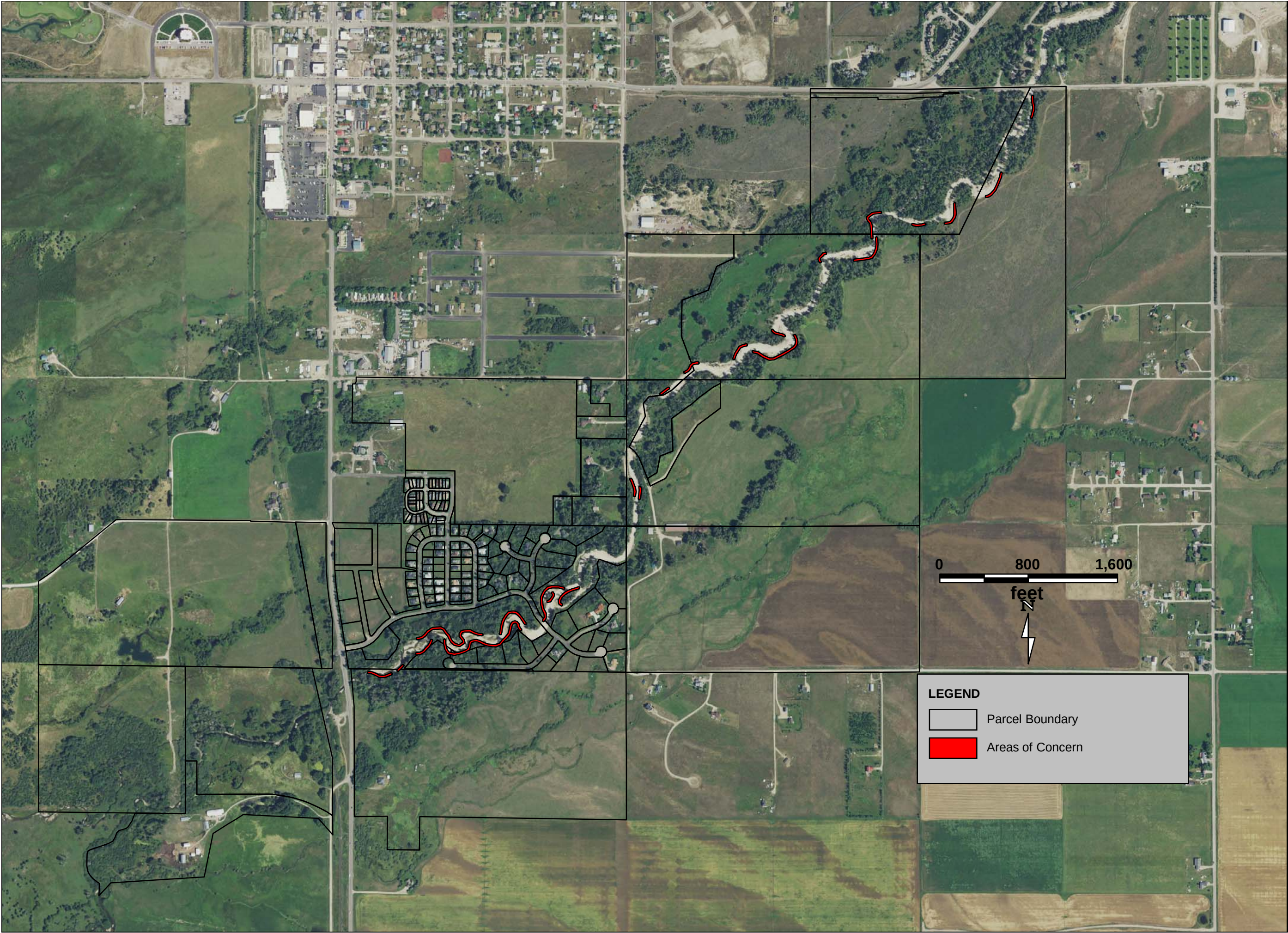
**BANK EROSION HAZARD INDEX
2016 RESULTS
SUMMARY**

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Teton County, Idaho

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2015 Aerial Photograph
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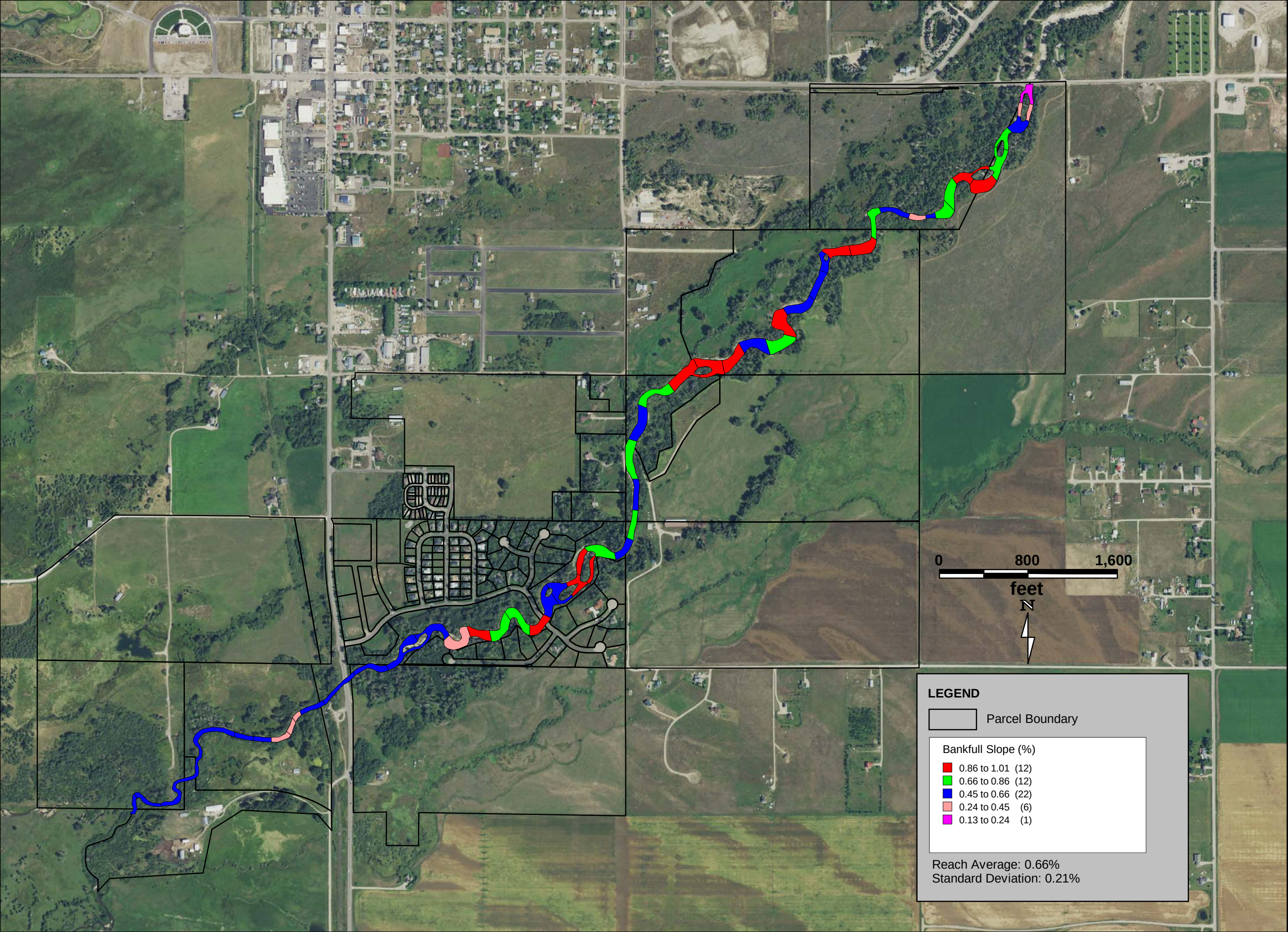
**BANK EROSION HAZARD INDEX
AREAS OF CONCERN
SUMMARY**

Teton Creek Geomorphic Assessment
Teton County, Idaho

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2015 Aerial Photograph
Scale: 1 inch = 800 feet



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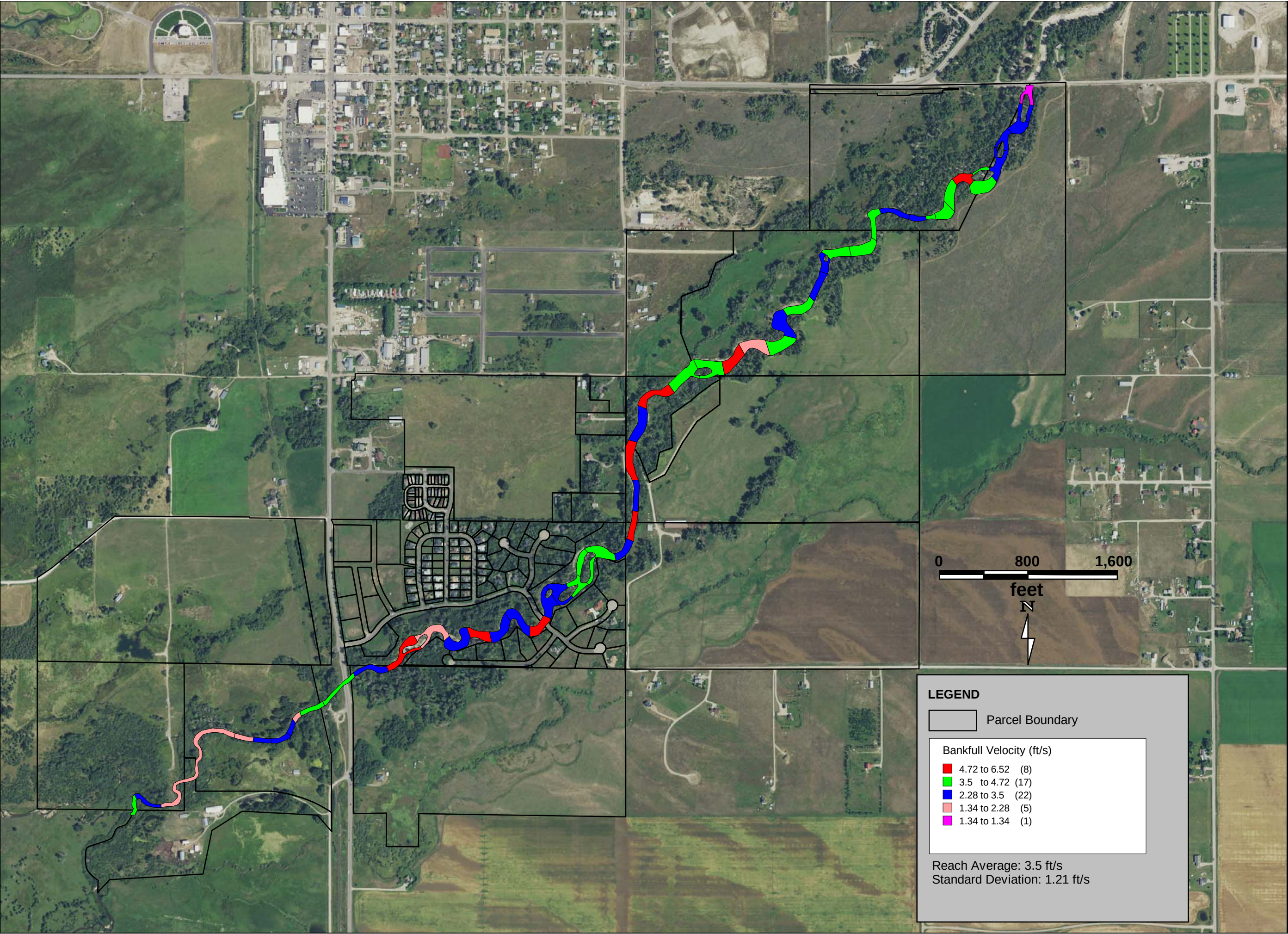
**BANKFULL CHANNEL SLOPE
SUMMARY**

Teton Creek Geomorphic Assessment
Teton County, Idaho

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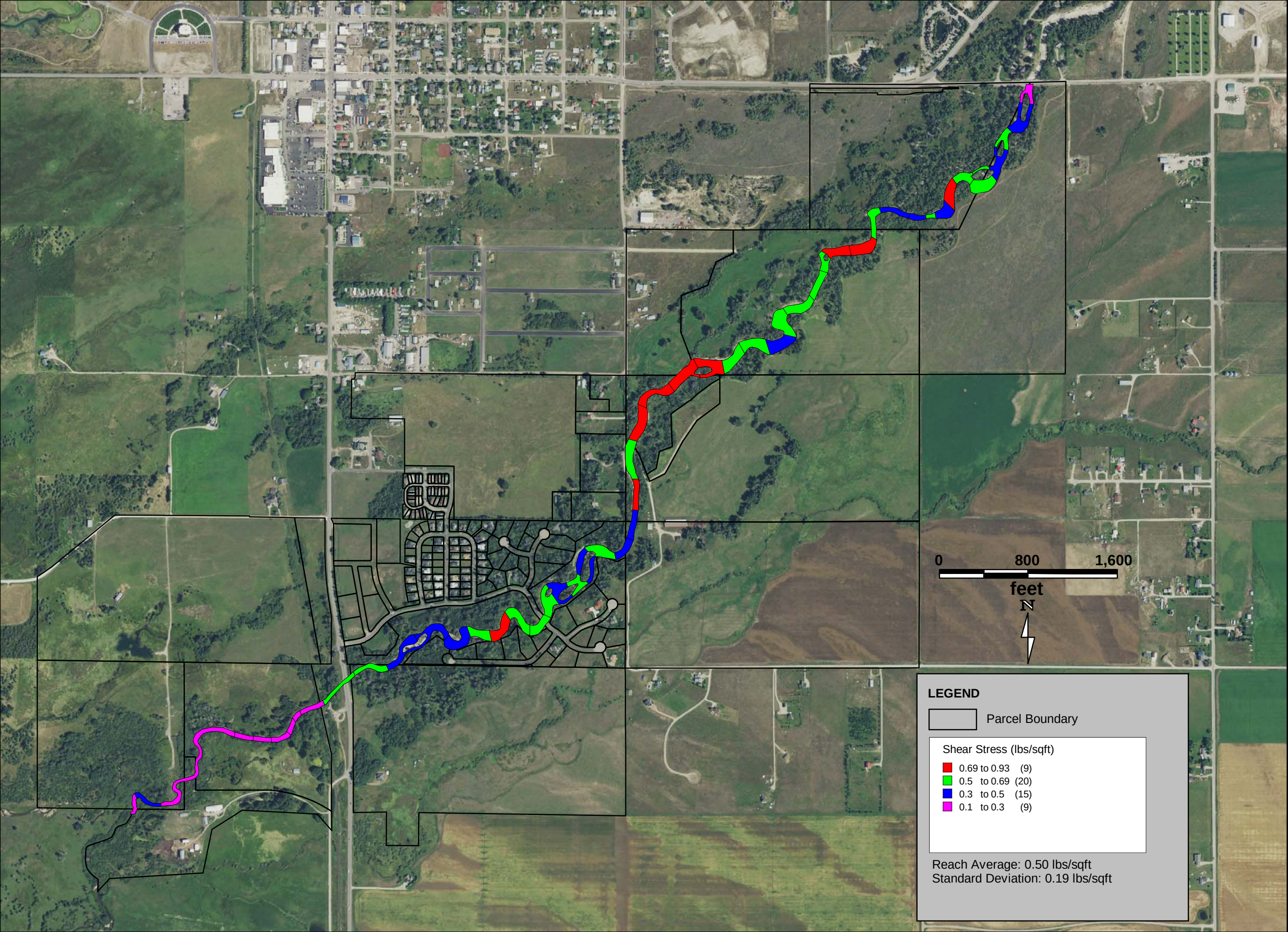


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BANKFULL VELOCITY SUMMARY

Teton Creek Geomorphic Assessment
Teton County, Idaho

Date: 8/16/2017
2015 Aerial Photograph
Scale: 1 inch = 800 feet

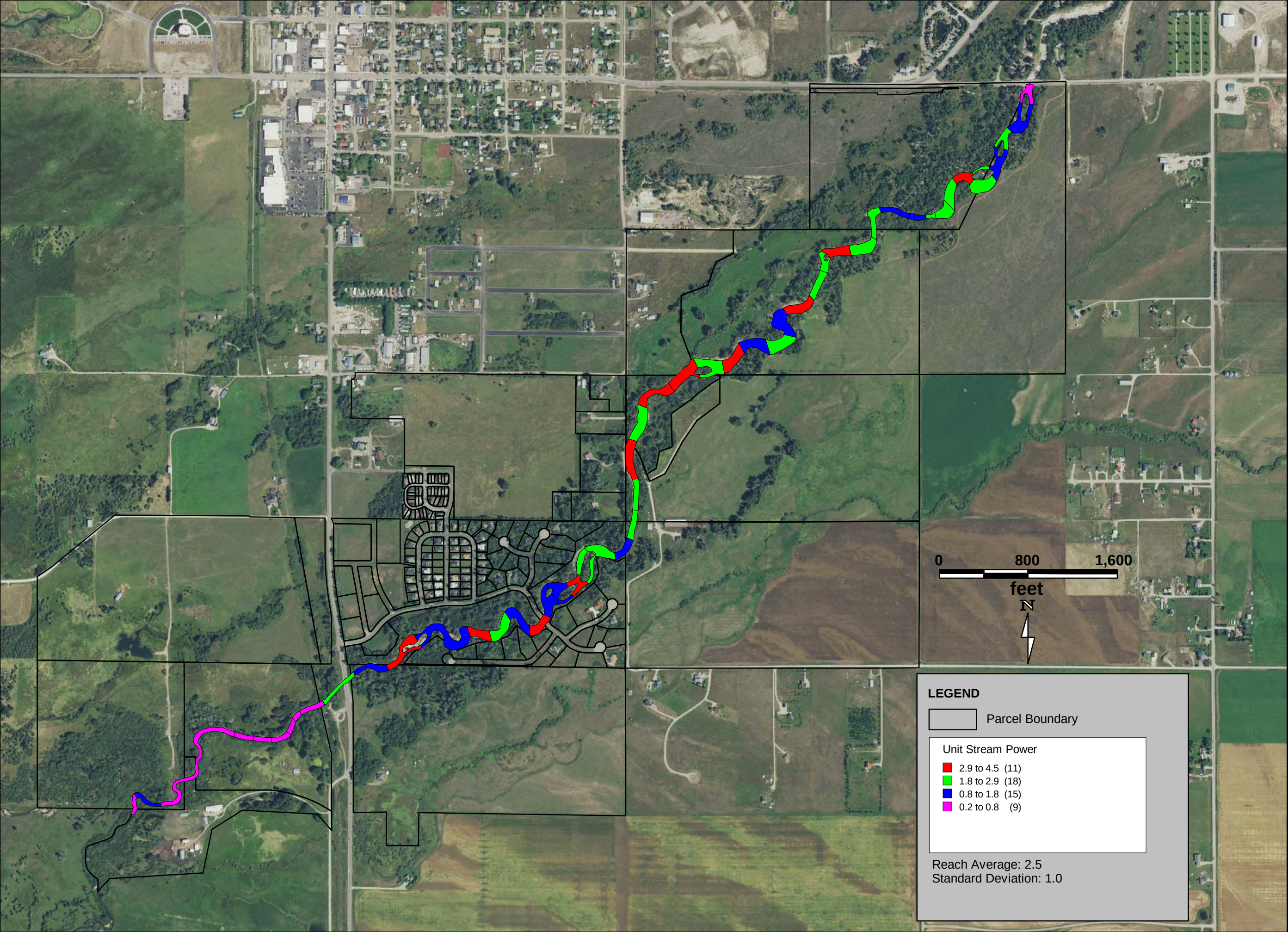


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**SHEAR STRESS
SUMMARY**

Teton Creek Geomorphic Assessment
Teton County, Idaho

Date: 8/16/2017
2015 Aerial Photograph
Scale: 1 inch = 800 feet

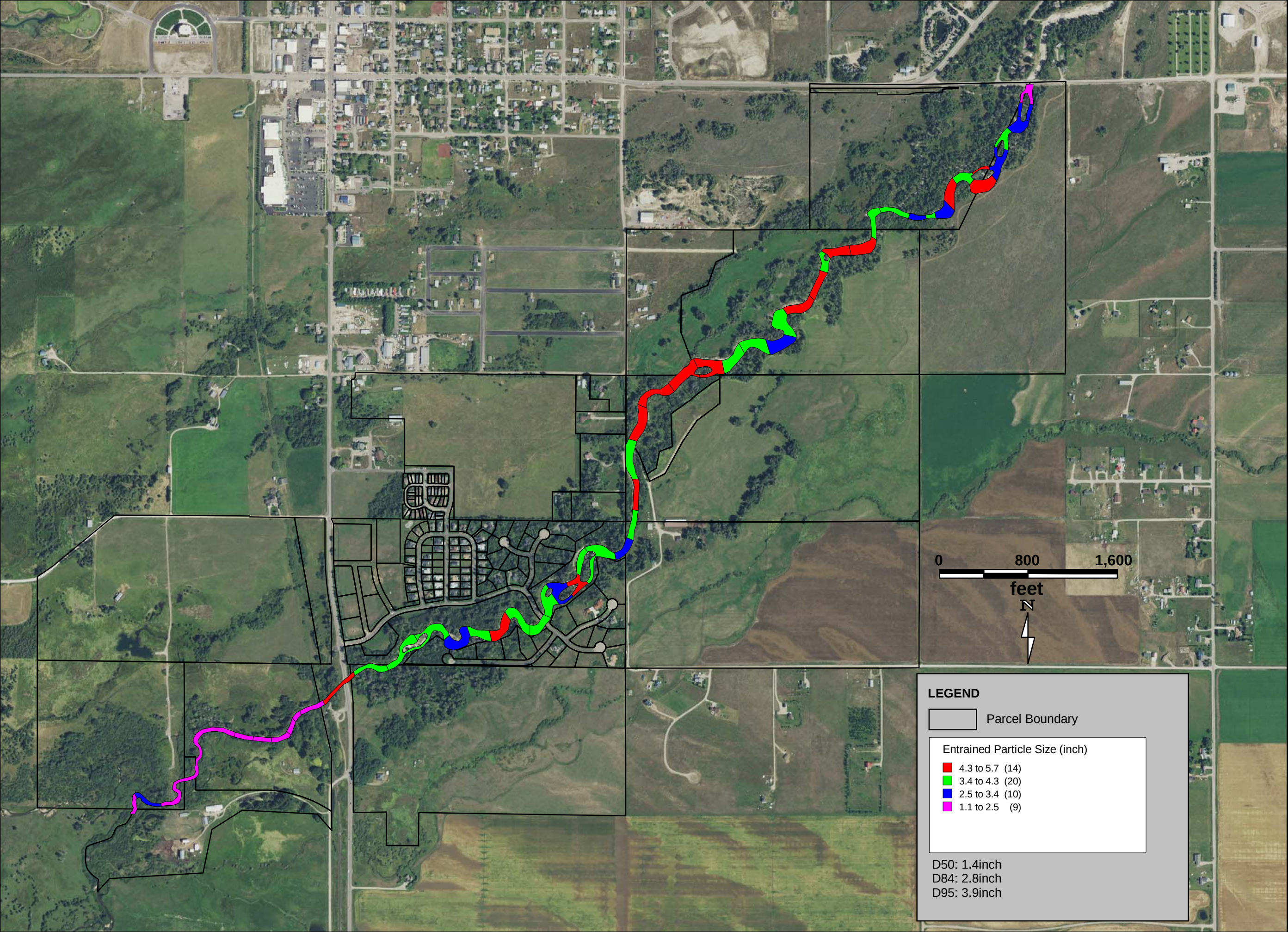


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**STREAM POWER
SUMMARY**

Teton Creek Geomorphic Assessment
Teton County, Idaho

Date: 8/16/2017
2015 Aerial Photograph
Scale: 1 inch = 800 feet



PARTICLE ENTRAINMENT SUMMARY

Teton Creek Geomorphic Assessment
Teton County, Idaho

Date: 8/16/2017
2015 Aerial Photograph
Scale: 1 inch = 800 feet

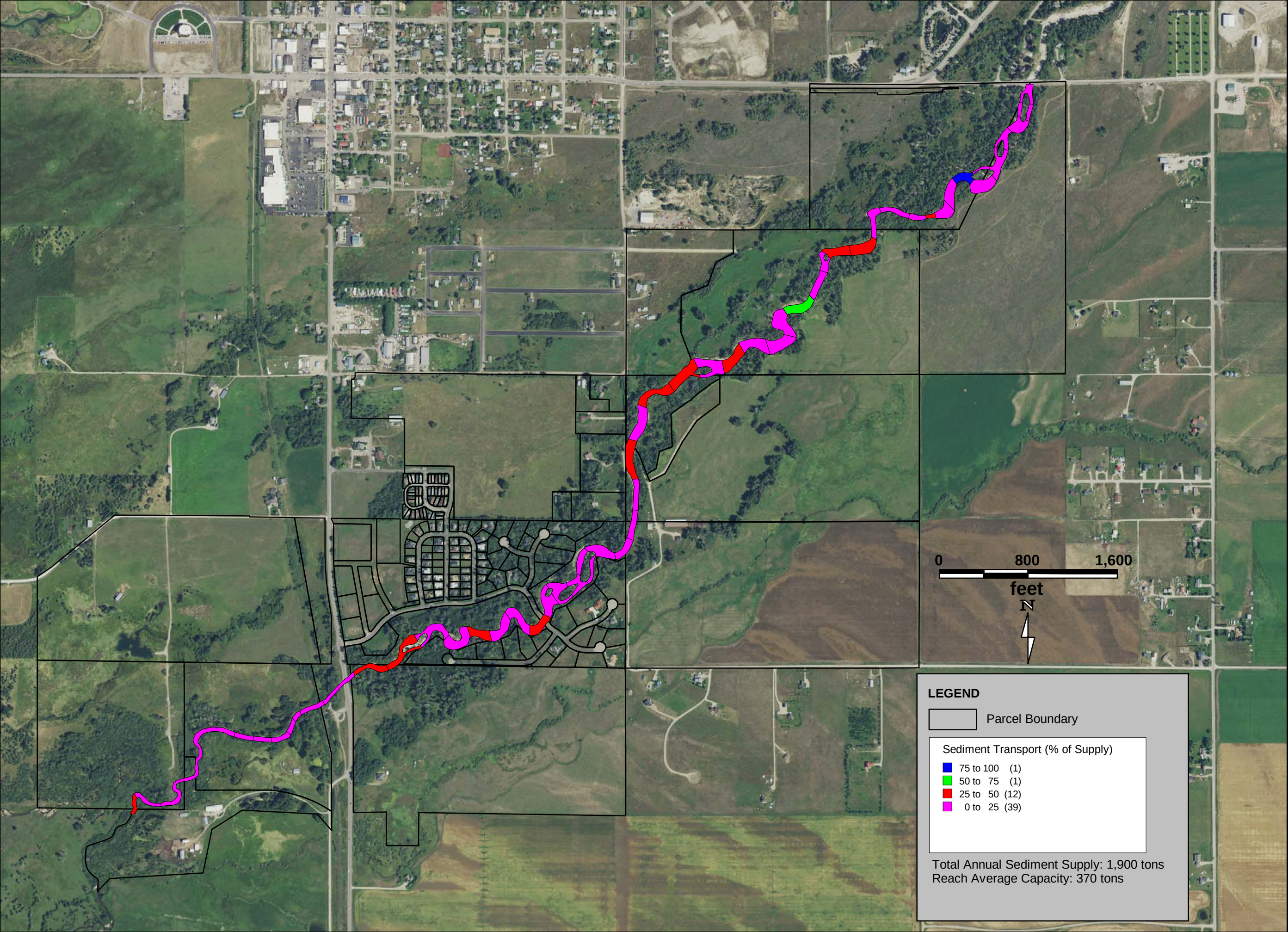
LEGEND

Parcel Boundary

Entrained Particle Size (inch)

- 4.3 to 5.7 (14)
- 3.4 to 4.3 (20)
- 2.5 to 3.4 (10)
- 1.1 to 2.5 (9)

D50: 1.4inch
D84: 2.8inch
D95: 3.9inch

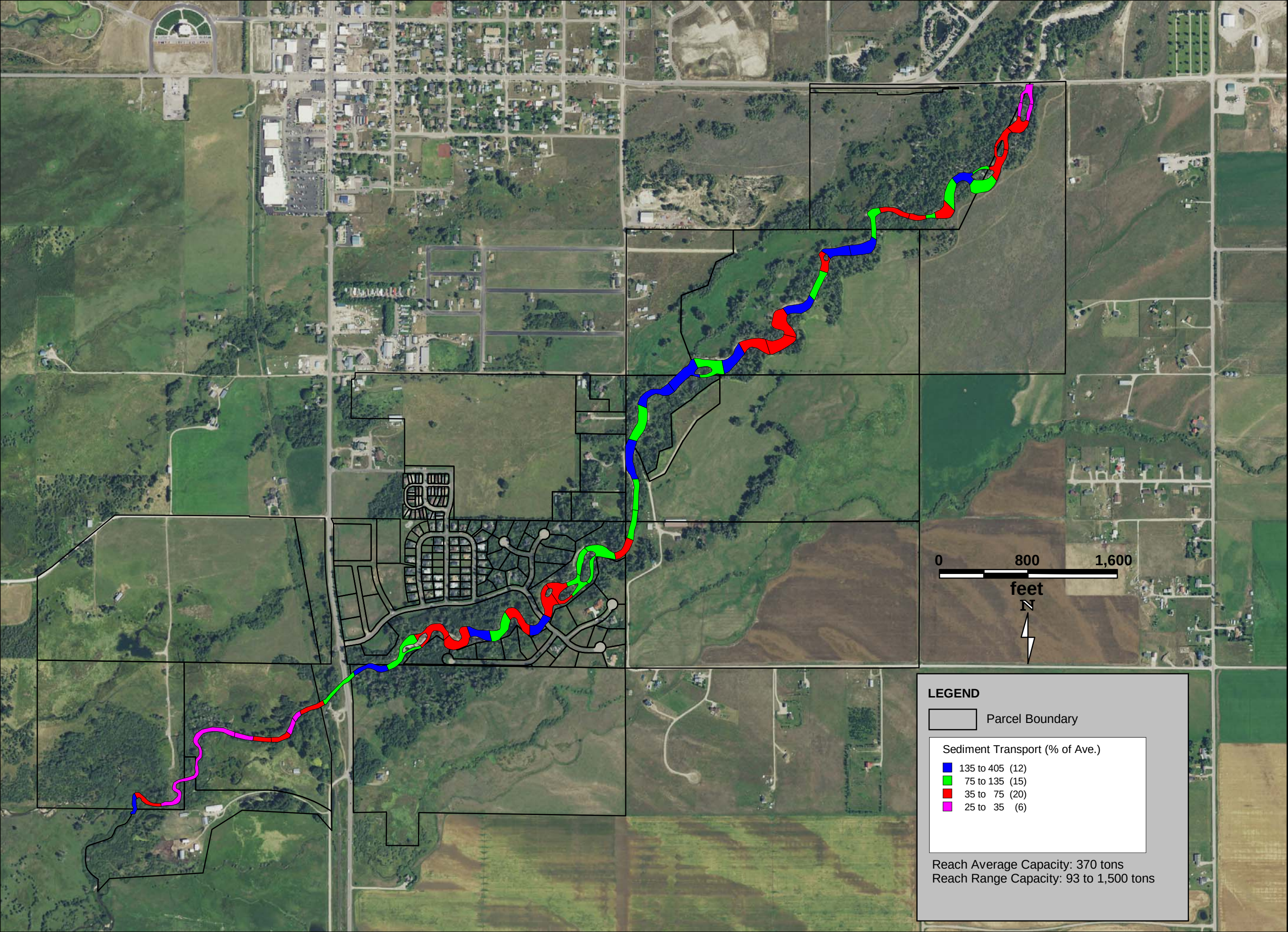


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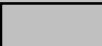
**SEDIMENT TRANSPORT CAPACITY
SUMMARY**

Teton Creek Geomorphic Assessment
Teton County, Idaho

Date: 8/16/2017
2015 Aerial Photograph
Scale: 1 inch = 800 feet



LEGEND

 Parcel Boundary

Sediment Transport (% of Ave.)

	135 to 405	(12)
	75 to 135	(15)
	35 to 75	(20)
	25 to 35	(6)

Reach Average Capacity: 370 tons
Reach Range Capacity: 93 to 1,500 tons

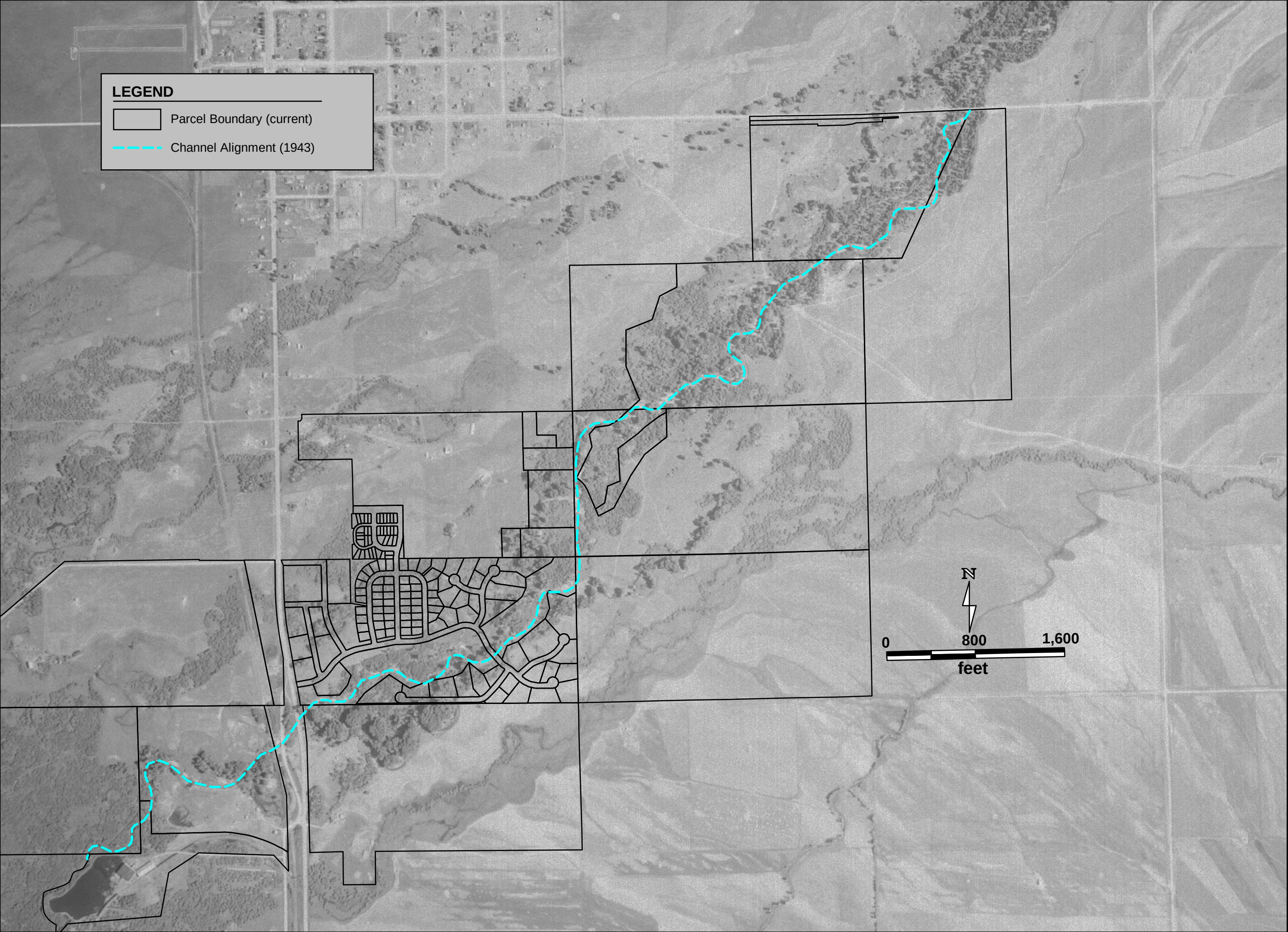


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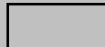
**SEDIMENT TRANSPORT CAPACITY
SUMMARY**

Teton Creek Geomorphic Assessment
Teton County, Idaho

Date: 8/16/2017
2015 Aerial Photograph
Scale: 1 inch = 800 feet



LEGEND

-  Parcel Boundary (current)
-  Channel Alignment (1943)

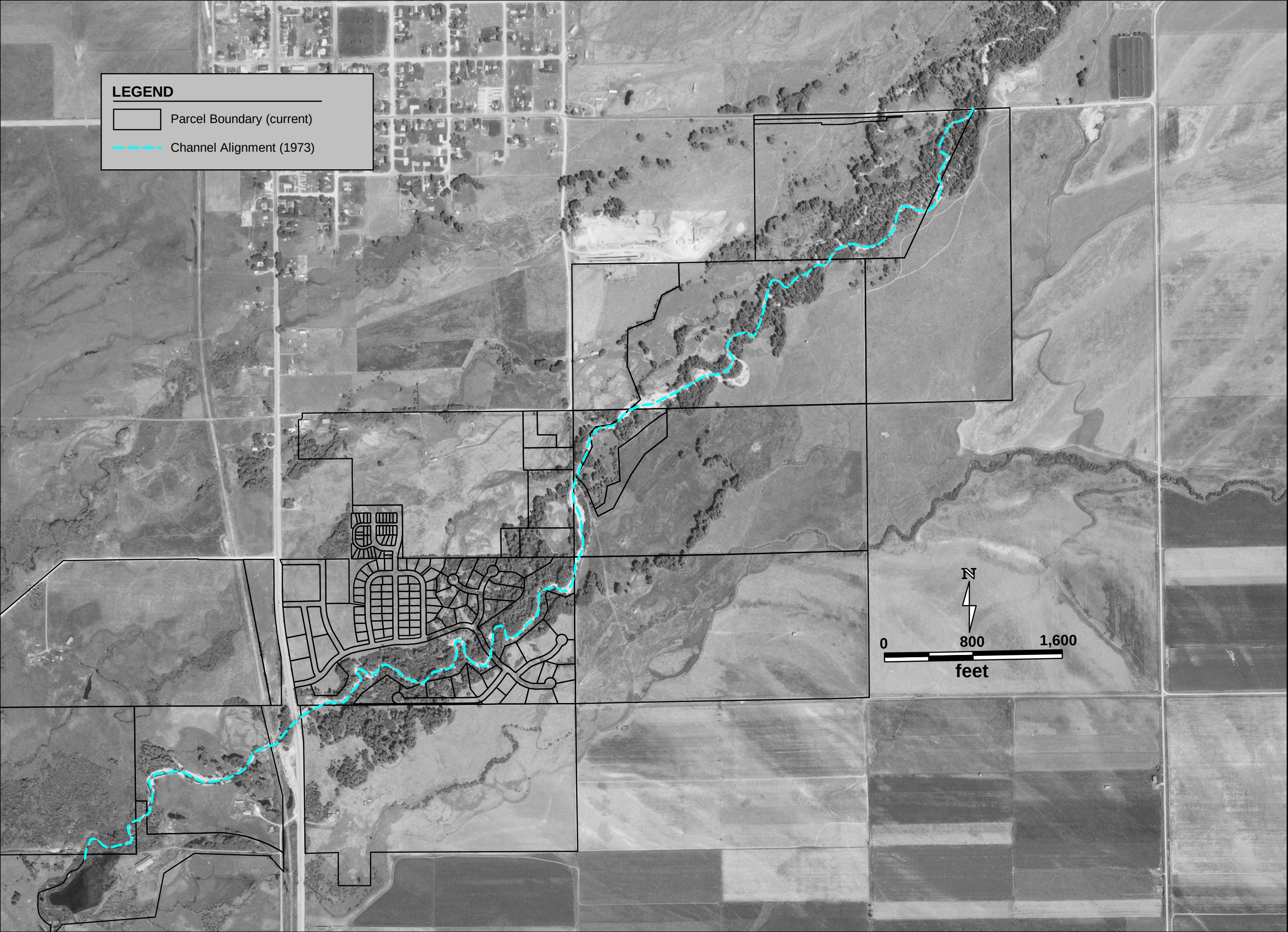


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1943 CHANNEL ALIGNMENT

**Teton Creek Geomorphic Assessment
Teton County, Idaho**

Date: 8/16/2017
1943 Aerial Photograph
Scale: 1 inch = 800 feet



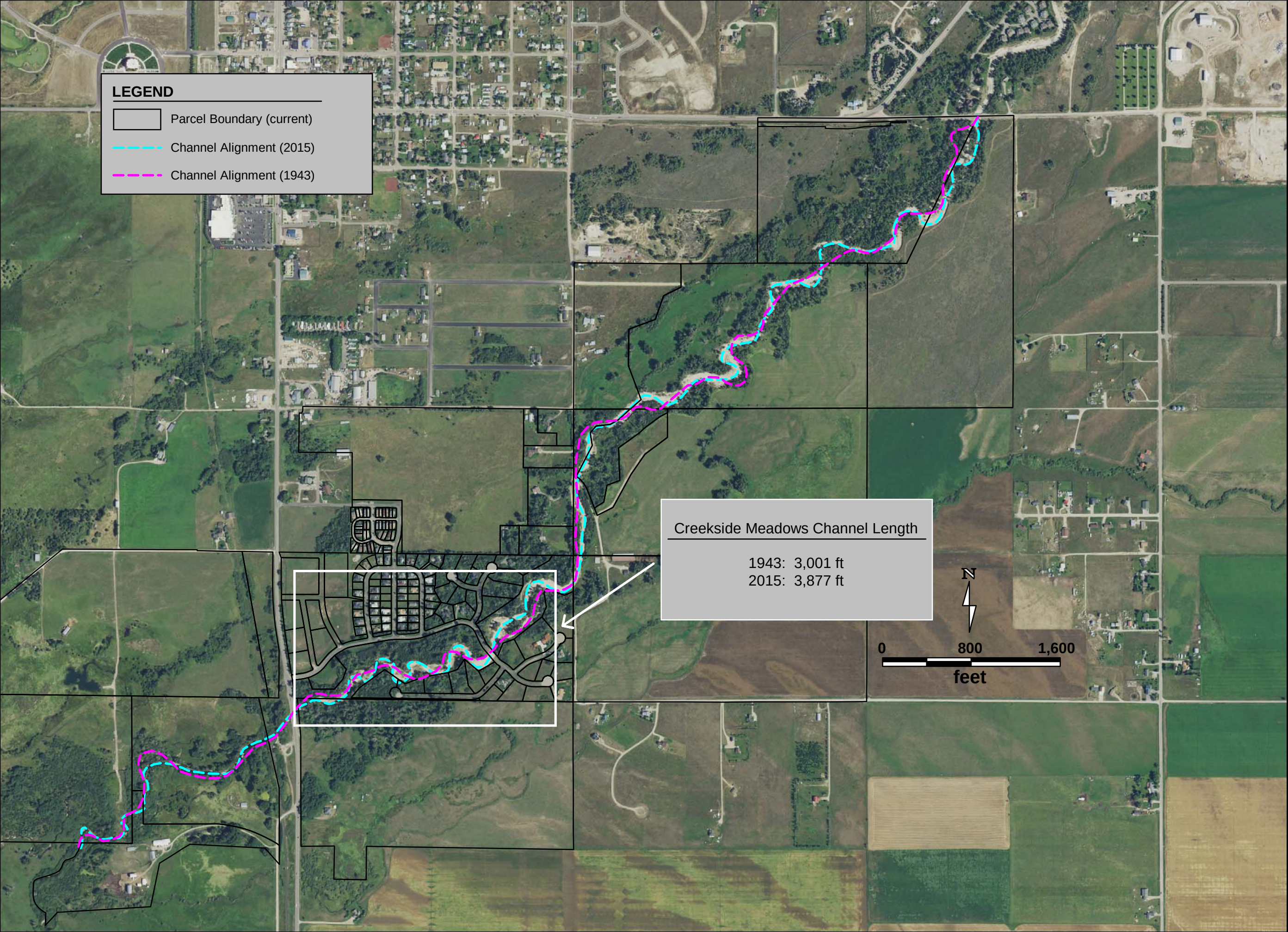
LEGEND

-  Parcel Boundary (current)
-  Channel Alignment (1973)

1973 CHANNEL ALIGNMENT

**Teton Creek Geomorphic Assessment
Teton County, Idaho**

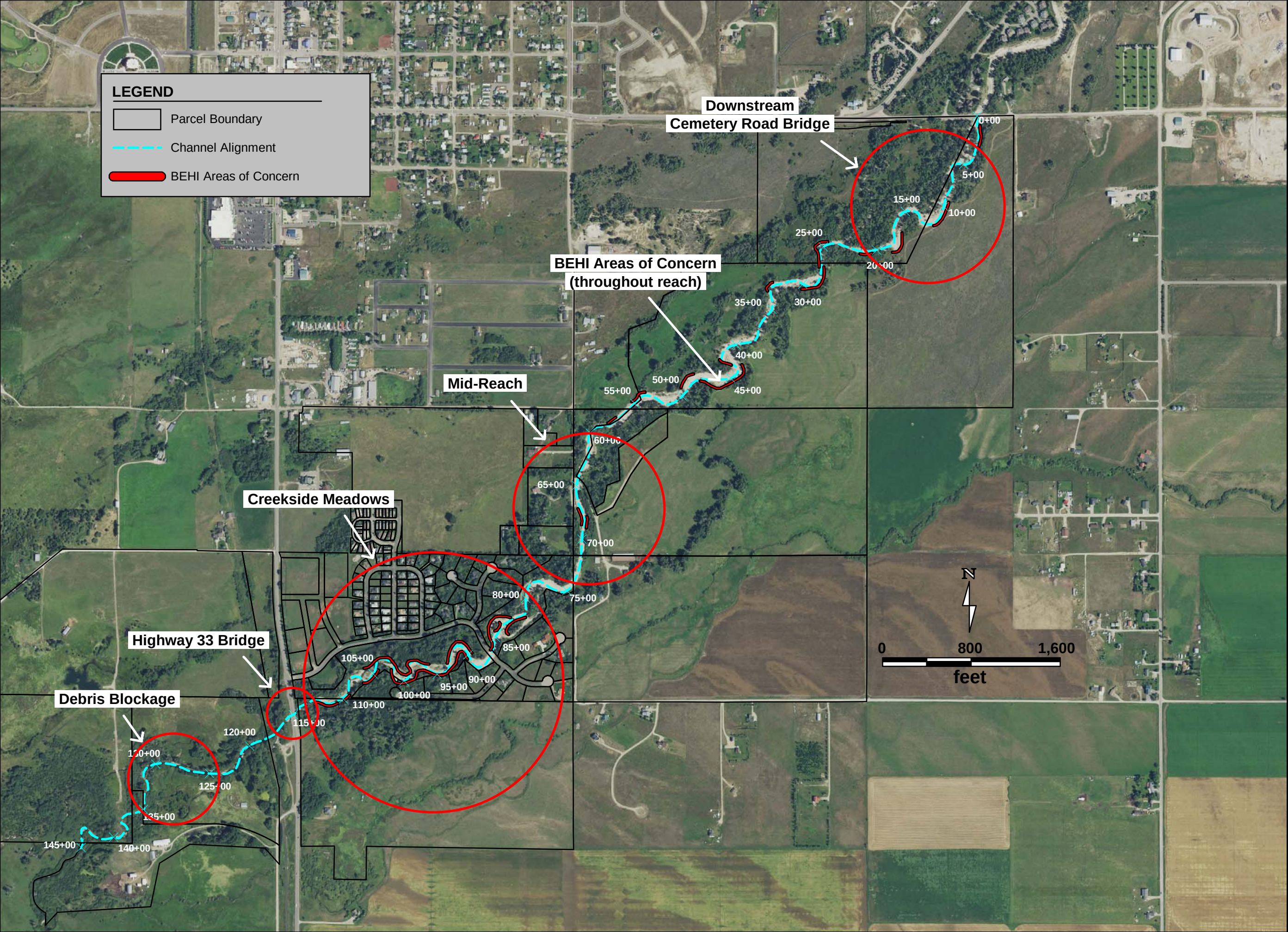
Date: 8/16/2017
1973 Aerial Photograph
Scale: 1 inch = 800 feet



1943 - 2015 CHANNEL LENGTH COMPARISON

Teton Creek Geomorphic Assessment
Teton County, Idaho

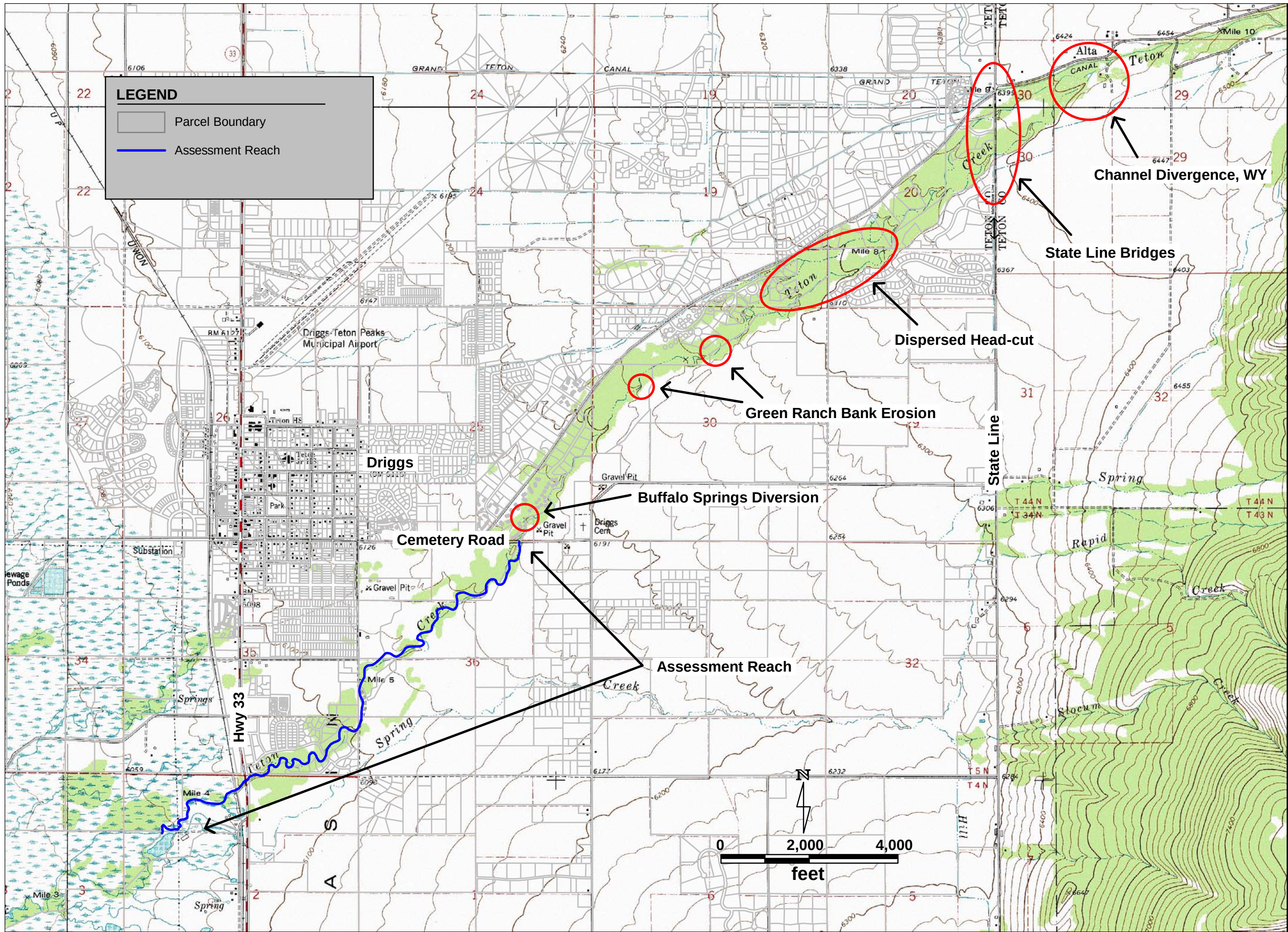
Date: 8/16/2017
2015 Aerial Photograph
Scale: 1 inch = 800 feet



**PRIORITIZED AREAS OF CONCERN
ASSESSMENT REACH**

Teton Creek Geomorphic Assessment
Teton County, Idaho

Date: 8/16/2017
2015 Aerial Photograph
Scale: 1 inch = 800 feet

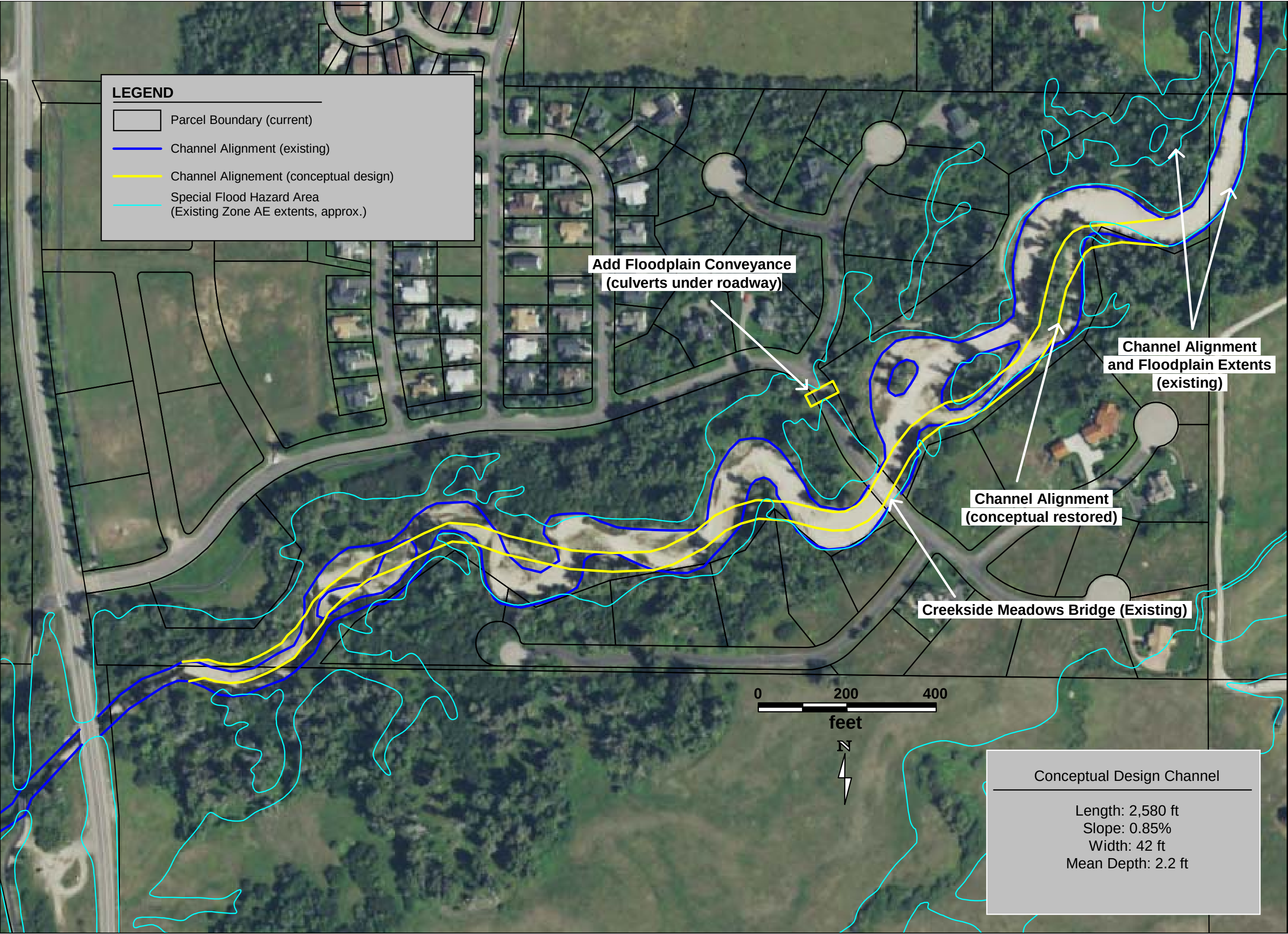


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AREAS OF CONCERN UPSTREAM REACH

Teton Creek Geomorphic Assessment
Teton County, Idaho

Date: 8/16/2017
Scale: 1 inch = 2,000 feet



LEGEND

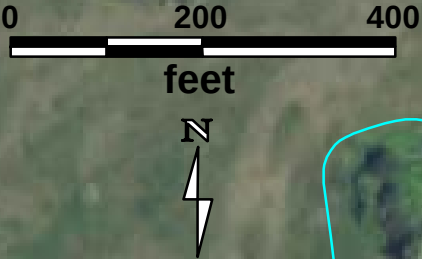
- Parcel Boundary (current)
- Channel Alignment (existing)
- Channel Alignment (conceptual design)
- Special Flood Hazard Area (Existing Zone AE extents, approx.)

Add Floodplain Conveyance
(culverts under roadway)

Channel Alignment
and Floodplain Extents
(existing)

Channel Alignment
(conceptual restored)

Creekside Meadows Bridge (Existing)



Conceptual Design Channel

Length: 2,580 ft
Slope: 0.85%
Width: 42 ft
Mean Depth: 2.2 ft



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CONCEPTUAL CHANNEL DESIGN CREEKSIDE MEADOWS AREA

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