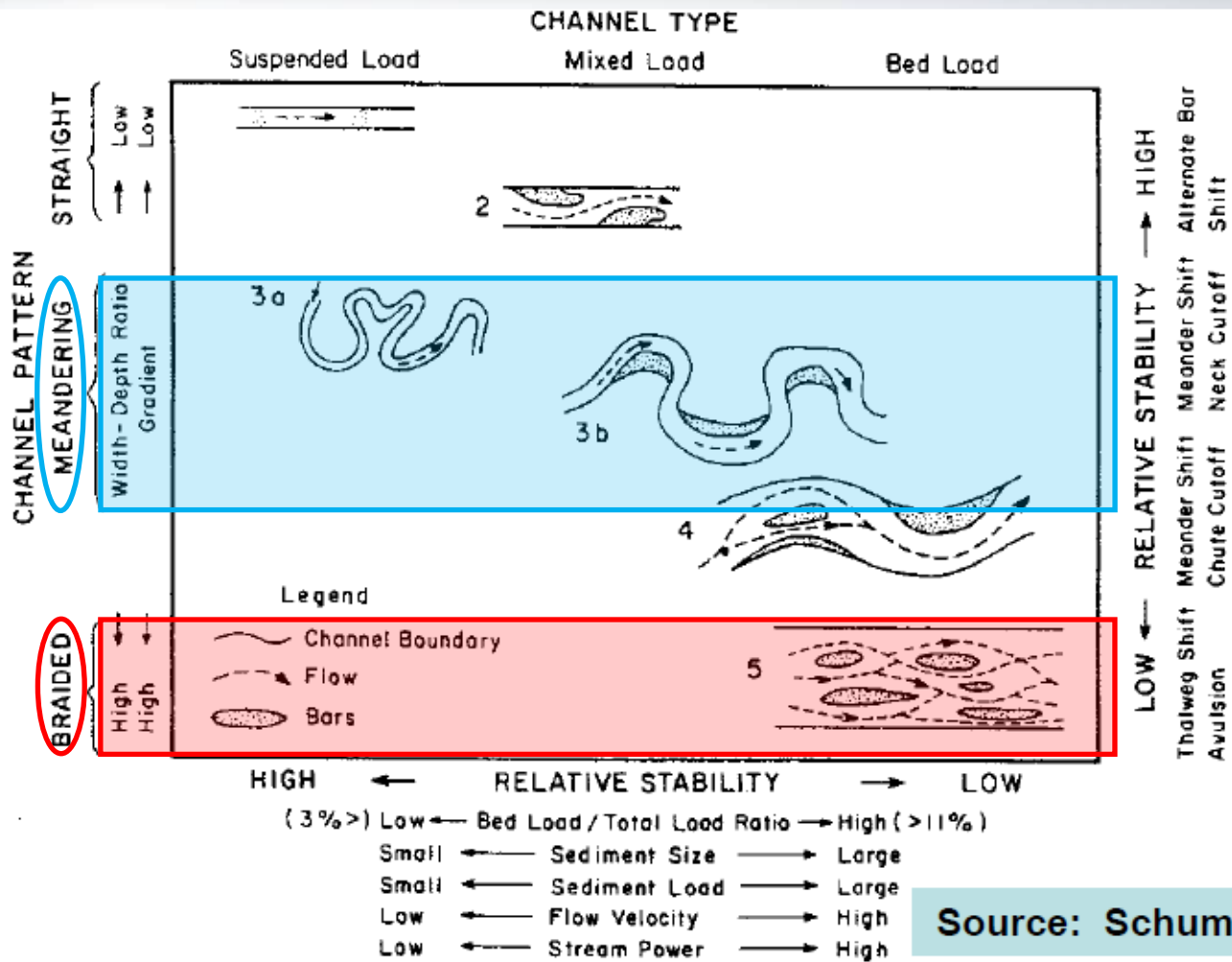


201

VERDE

Channel Classification Relevant to ~~Gila~~ Verde River Navigability



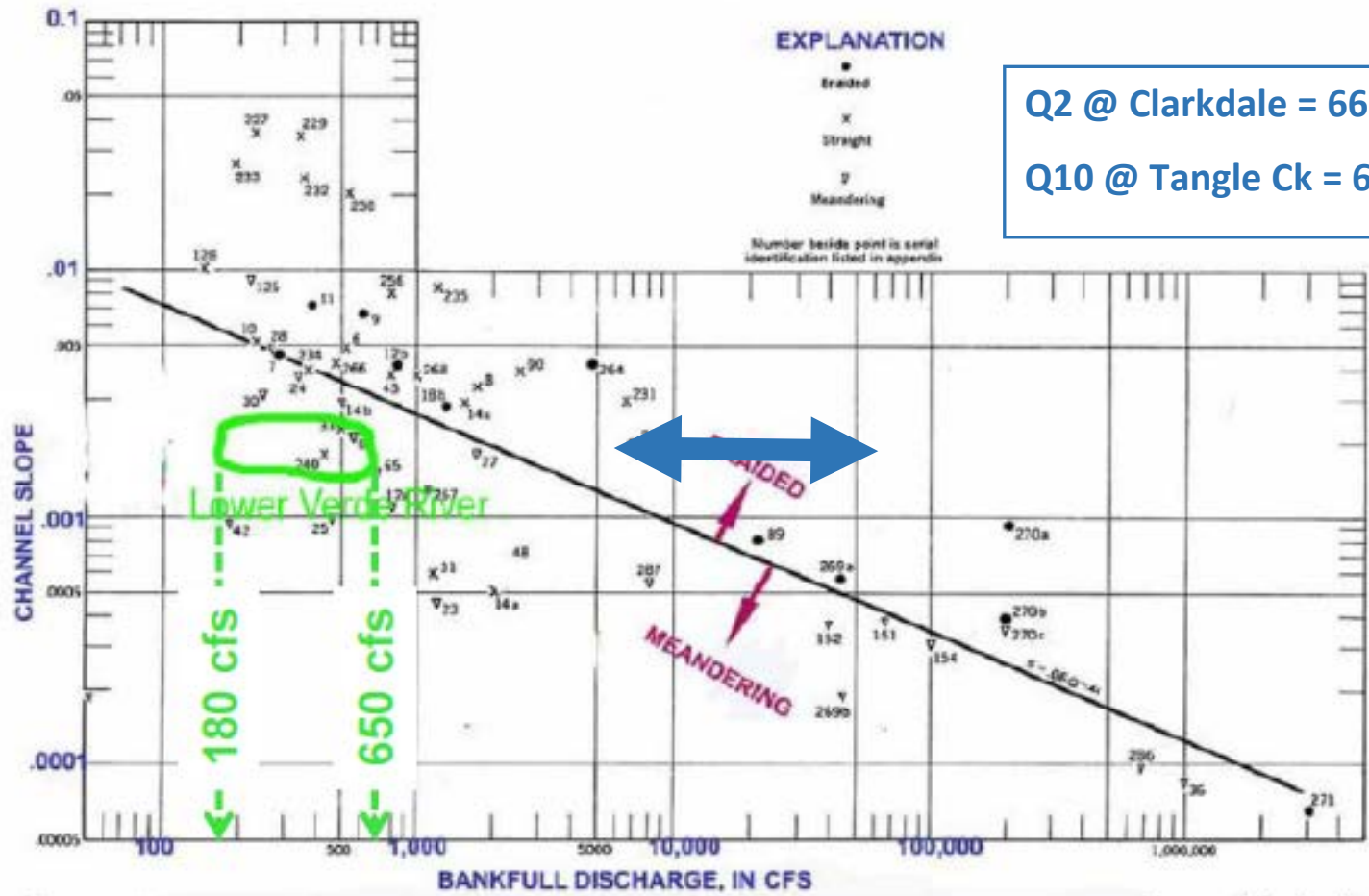
Source: Schumm (1981)

Mussetter Testimony:

- Verde River fits in 3b or 3a category.
- Braided rivers can be navigable.

Braiding versus Meandering

BRAIDED VERSUS MEANDERING NATURAL CHANNELS (USGS PP 282-B RIVER CHANNEL PATTERNS: BRAIDED, MEANDERING AND STRAIGHT)



Q2 @ Clarkdale = 6600 cfs

Q10 @ Tangle Ck = 61,000 cfs

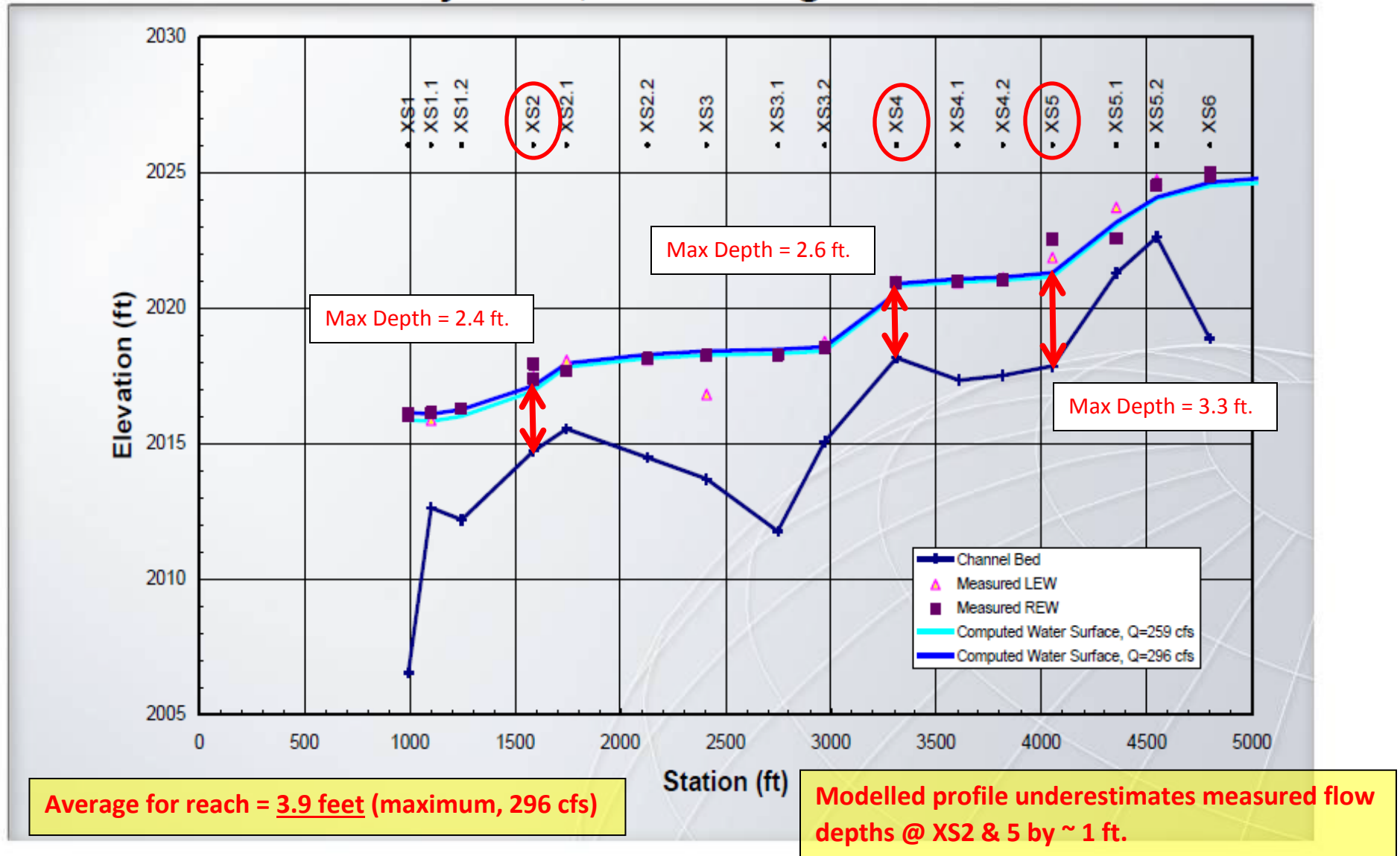
MEI (2003) Study Site 3



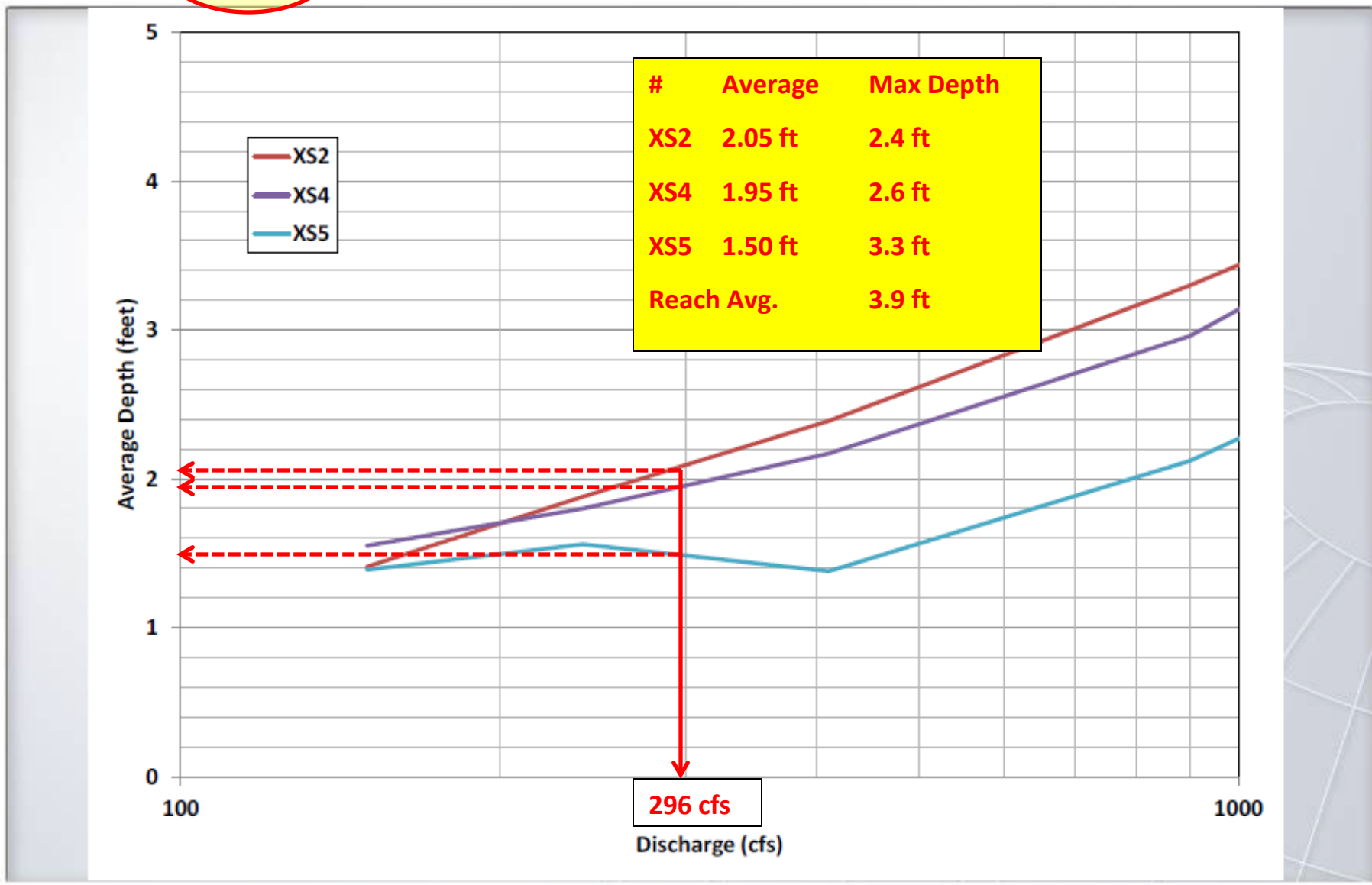
MEI (2003) Study Site 3



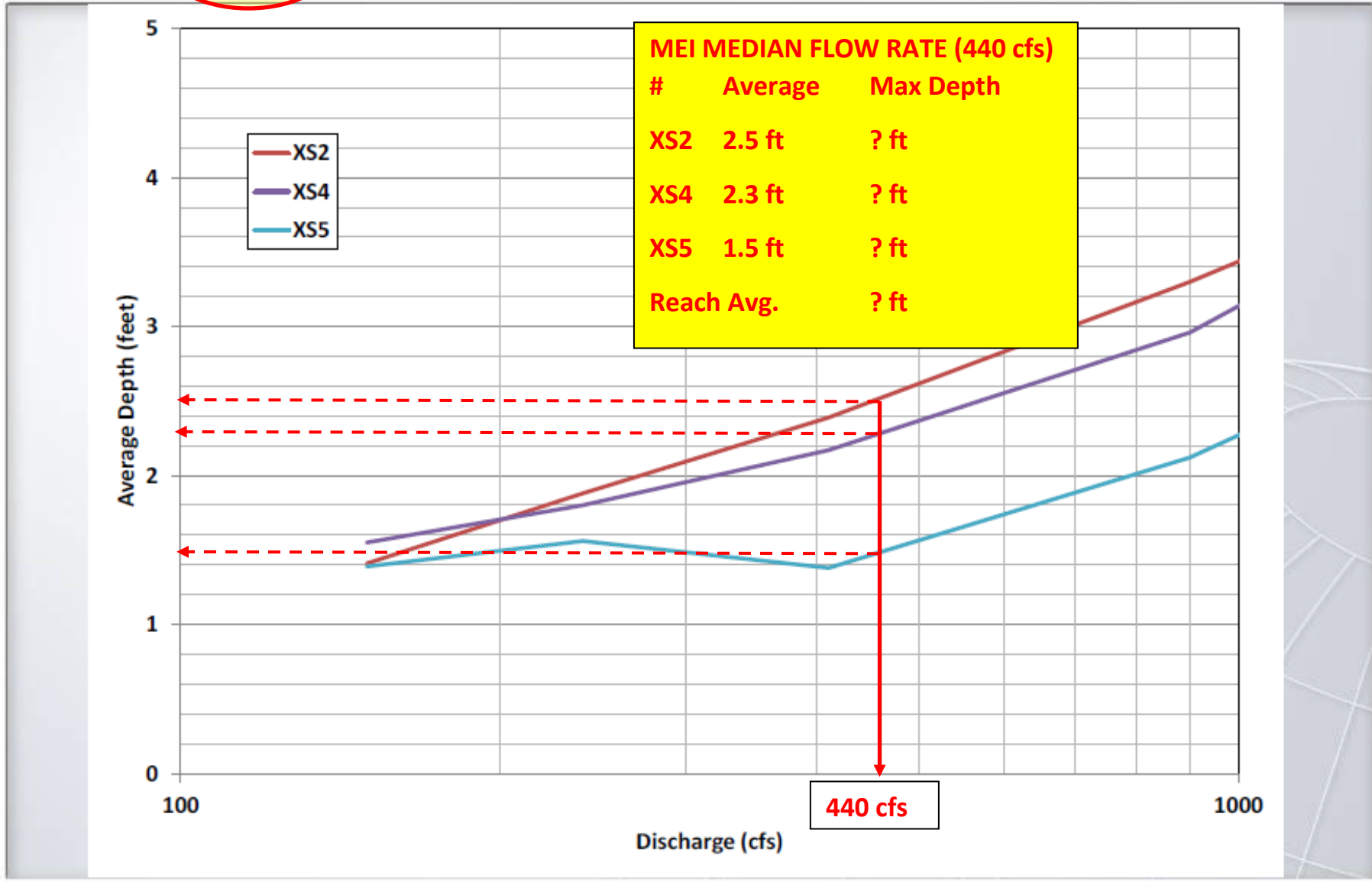
Thalweg and water-surface profiles at the MEI (2003) Study Site 1, below Tangle Creek



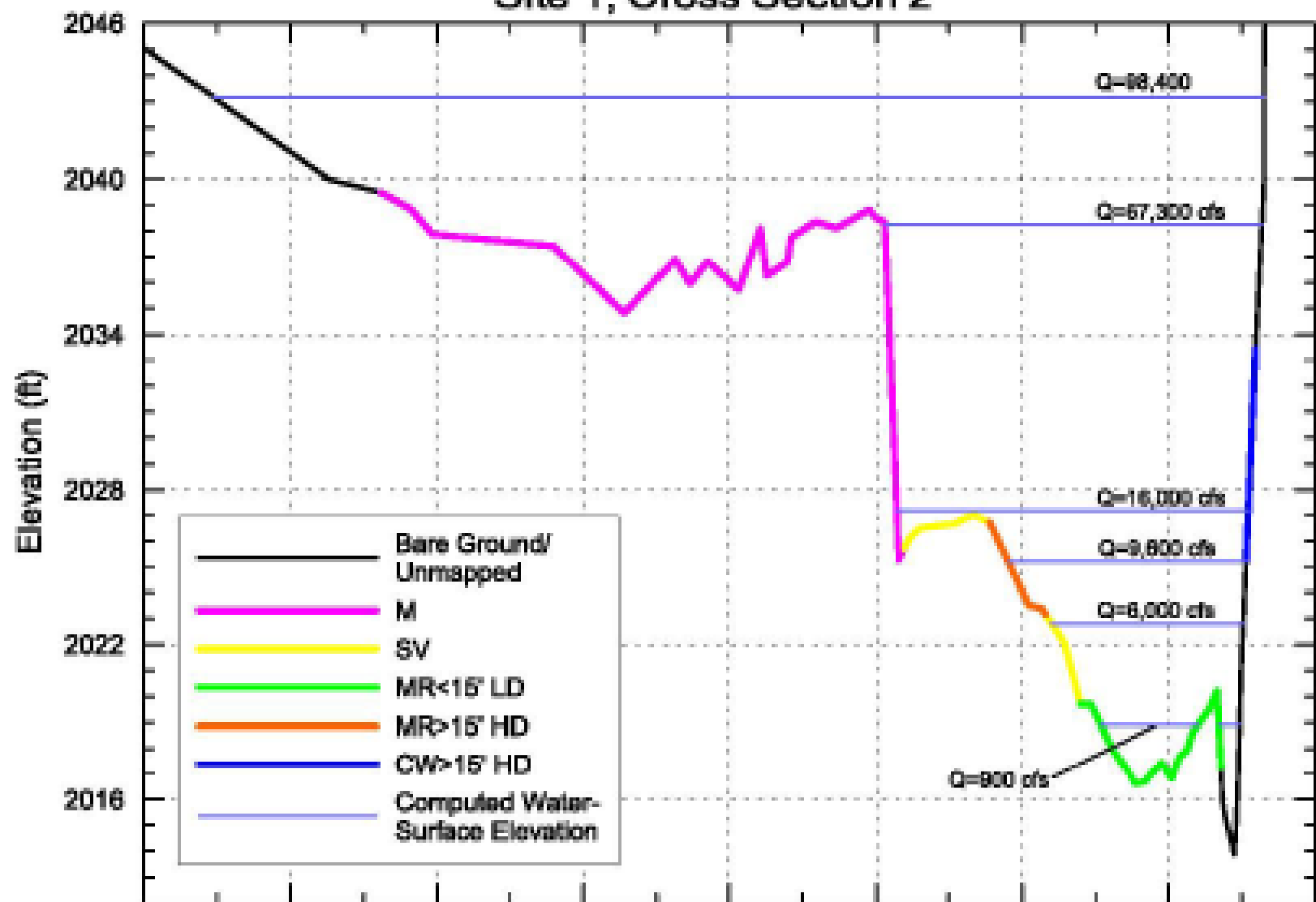
Average depth at MEI (2003) Site 1 XS2, XS4 and XS5



Average depth at MEI (2003) Site 1 XS2, XS4 and XS5

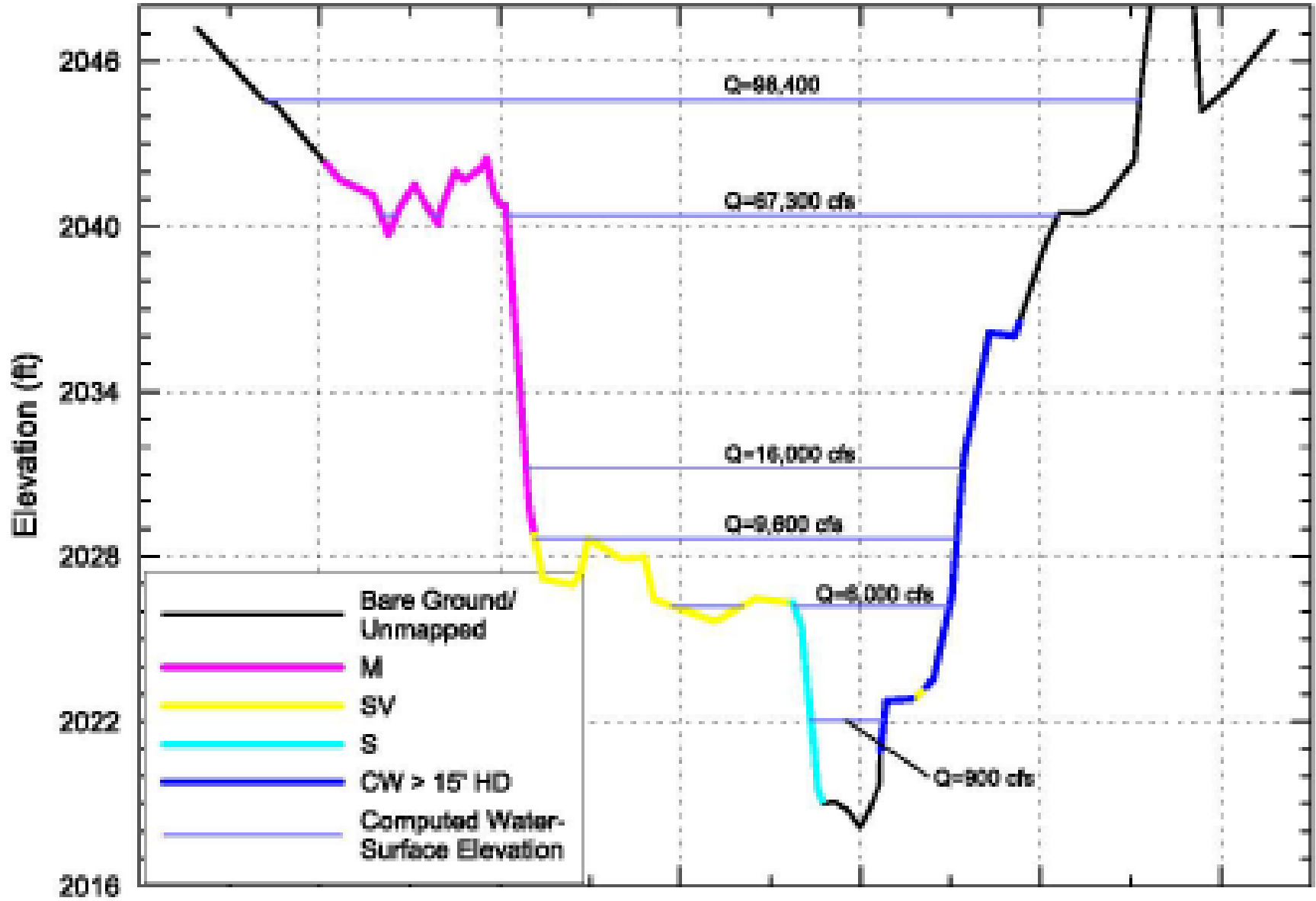


Site 1, Cross Section 2



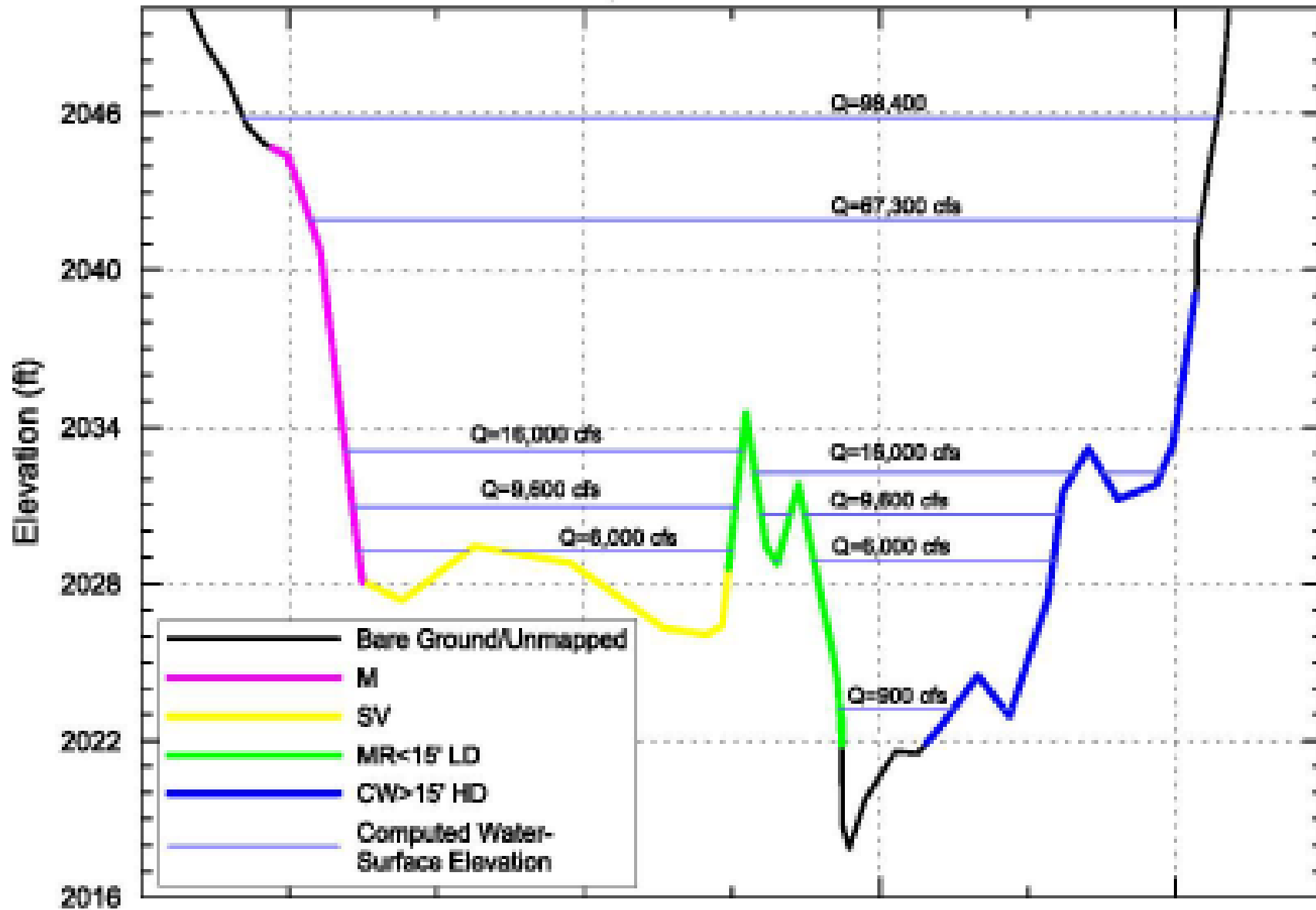
From MEI p. A.2

Site 1, Cross Section 4



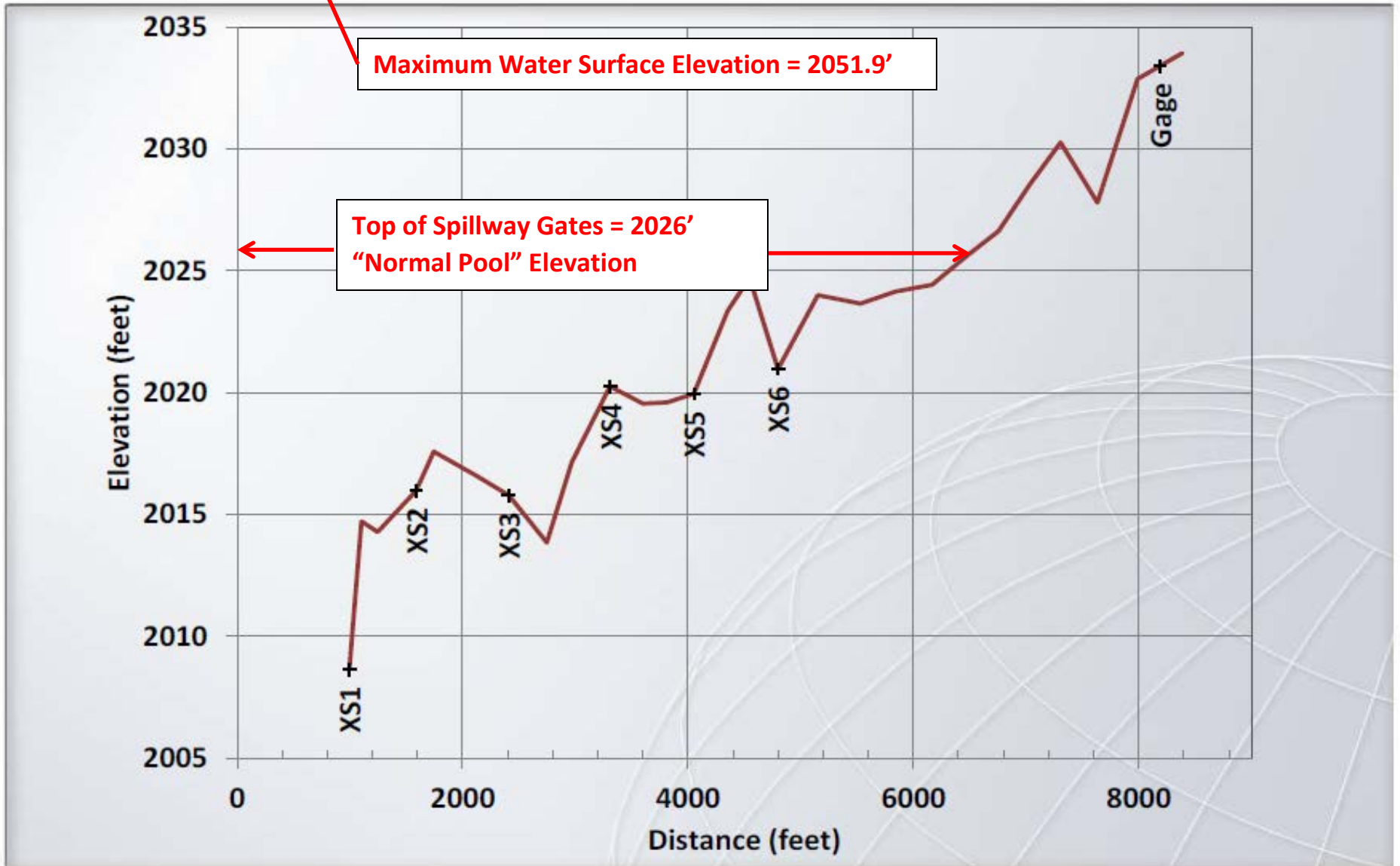
From MEI, p. A.4

Site 1, Cross Section 5



From MEI, p. A.5

MEI (2003) Site 1 Profile



← Spillway Crest = 2000'

Top of Spillway Gates = 2026'
"Normal Pool" Elevation

Maximum Water Surface Elevation = 2051.9'

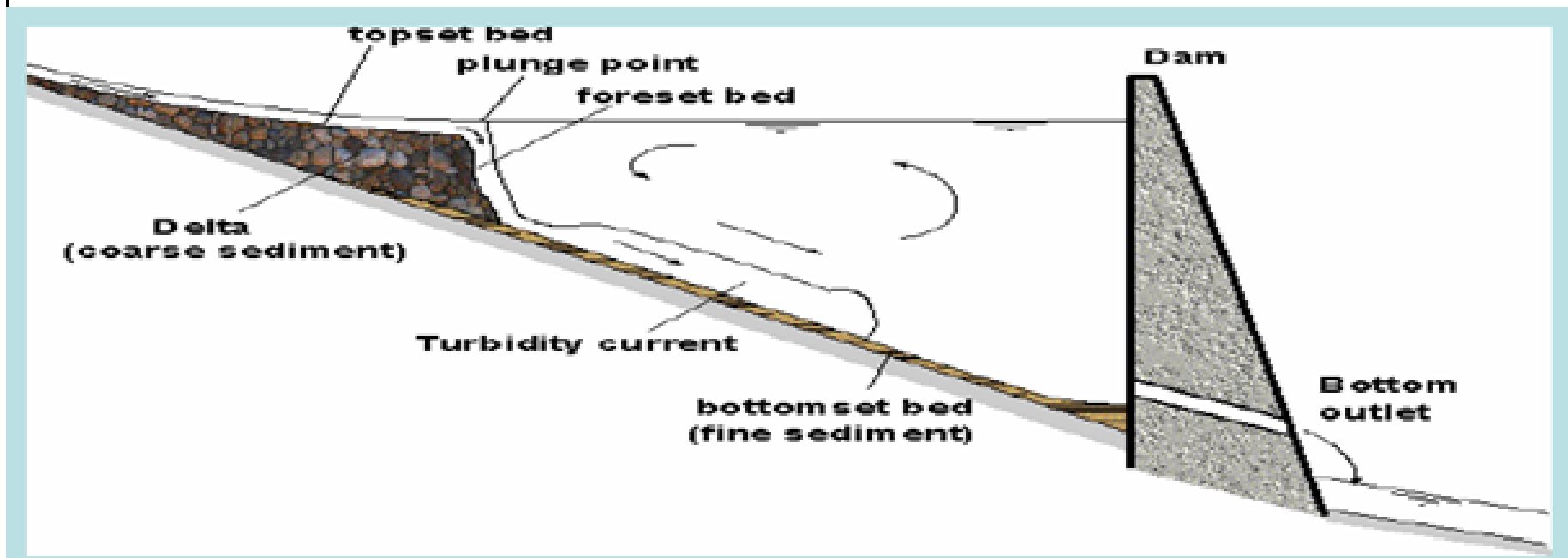
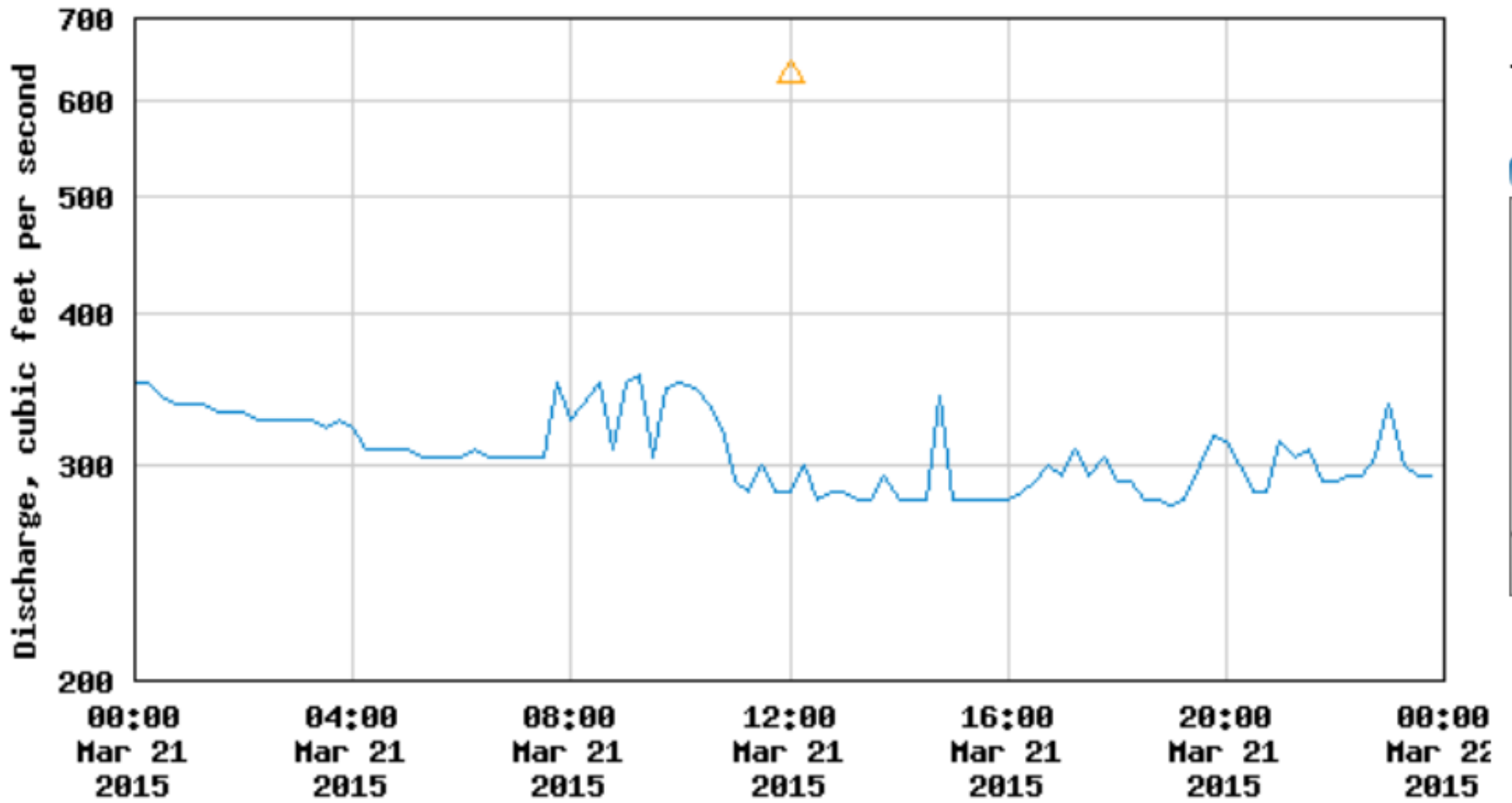


Figure 3. Typical delta deposit at a tributary inlet to a reservoir.

From BUREC – see Strand & Pemberton, 1982, USBR Erosion & Sedimentation Manual

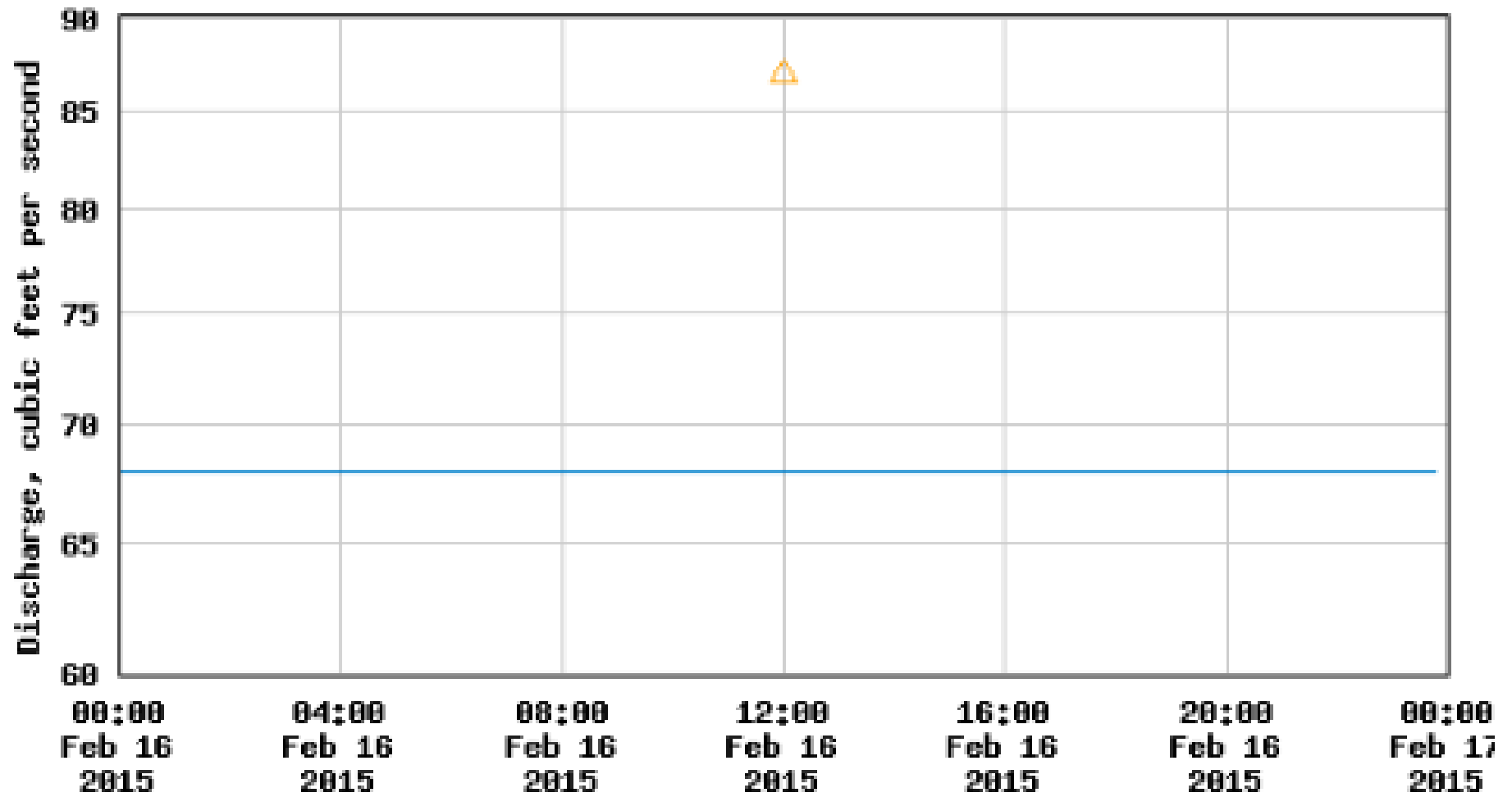
- The “delta” begins at the maximum water surface elevation (2051.9 ft, above Tangle Ck gage)
- Clustering of data on Slides 79 & 81 point to flood deposition in reservoir delta.

USGS 09508500 VERDE RVR BLM TANGLE CREEK, ABV HORSESHOE DAM, AZ



Flow rate during 3/21/2015 site visit

USGS 09504000 VERDE RIVER NEAR CLARKDALE, AZ



Flow rate during 2/16/2015 site visit

ment.

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93.
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Bank of the South Side.
Paid Up. \$25,000.
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Edman, Vice-President,
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- - - Arizona.

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FULL LINE OF

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TEMPE, ARIZONA, JULY 26, 1951.

RAILROAD CAST.

The Difference Between First and Second Class.

Members of the former class in mixed traffic connections from the California and New York.

The morning's train took on Monday night at the Arizona coast... The morning's train took on Monday night at the Arizona coast... The morning's train took on Monday night at the Arizona coast...

Dr. C. E. Taylor and H. C. Jones, territorial editor, were among the first class on Saturday morning... Dr. C. E. Taylor and H. C. Jones, territorial editor, were among the first class on Saturday morning...

TEMPE ECHOES.

With darkness faded the heat of a hot summer... With darkness faded the heat of a hot summer... With darkness faded the heat of a hot summer...

Mr. Harold Gardner and three children... Mr. Harold Gardner and three children... Mr. Harold Gardner and three children...

Christine Egan, actress, is making the morning of her first... Christine Egan, actress, is making the morning of her first... Christine Egan, actress, is making the morning of her first...

On the 26th, Arizona, was sent to... On the 26th, Arizona, was sent to... On the 26th, Arizona, was sent to...

Everyday business of the town... Everyday business of the town... Everyday business of the town...

The school children was met at a... The school children was met at a... The school children was met at a...

John Egan was severely injured on... John Egan was severely injured on... John Egan was severely injured on...

Judge W. W. Ross, who is the... Judge W. W. Ross, who is the... Judge W. W. Ross, who is the...

Arizona Public, arrested recently... Arizona Public, arrested recently... Arizona Public, arrested recently...

William Beller, Prop. All... William Beller, Prop. All... William Beller, Prop. All...

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The Thriving Metropolis of the South side.

Why the prosperity of Tempe will Grow With That of the Surrounding Country.

Tempe is a prosperous little town of 1,500 inhabitants, situated eight miles from Phoenix in the center of the Salt River valley, a region unexcelled in fertility or variety of indigenous semi-tropical productions.

To the south and southeast vast areas of golden cereals, now undergoing the process of harvesting and threshing is a pleasing sight while the roads leading to the town are lined with teams and wagons employed in conveying the harvestable articles to the numerous warehouses for storing and shipment later in the season.

Correlative to the grain fields, are the alfalfa meadows from which the second cutting is already in stack. The long ridges of hay thickly scattered throughout the meadows, give the town the appearance, at a distance, of a succession of villages with verdant lawns between the massive buildings, interspersed among the grain fields.

A look toward the east and northwest shows the orchard country in the center of which, Mesa, a neat and rapidly growing town of good promise, is plainly visible. In this section, the farms appear smaller and while there are many fields of grain, meadows of alfalfa and pastures of greater or less extent, in which stock horses and fat cattle, are peacefully ruminating, the greater portion of the farms are devoted to fruit growing. Here is the paradise of the gentlemen of agriculture. Vineyards of raisin grapes and orchards laden with apricots, peaches, oranges, figs, dates, almonds and every variety of fruit growing in a frostless region, are grown in clapping quantities, while the winecellars of the Hill City are famous throughout the southwest.

All this country is tributary in Tempe, the only shipping point south of Salt River, and the growth of any portion of the visible area described means increased business to Tempe and insures it to remain the metropolis of the South side.

Besides the agricultural which will always insure the maintenance of this prosperous town, Tempe is the education center of Arizona. The territorial Normal school, an institution of which every citizen may well feel proud, is permanently located here and a new building costing \$250,000 will be erected in the near future to accommodate the growth of this training school. The public school building, which is an imposing structure, is sufficiently large for a town much larger than the present one and is a monument to the good judgment and foresight of the liberal men who were instrumental in its erection.

TEMPE ADVERTISEMENTS.

D.R. C. BYER, DENTIST. Crown and Bridge Work a Specialty.

Gregory House. EUROPEAN PLAN. ADAPTED FOR TOURISTS, TRAVELERS.

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Queen & Crescent. EAST TEMPE, Y. & G. ST. RLY.

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