

RESERVOIR SEDIMENT  
DATA SUMMARY

SCS-34 Rev. 6-66

PA-406

North Fork Cowanesque River

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

21-57 a

DATA SHEET NO.

DAM	1. OWNER <u>Potter County Cons Dist</u>			2. STREAM <u>White Branch</u>			3. STATE <u>Pa.</u>						
	4. SEC. <u>TWP.</u> RANGE			5. NEAREST P. O. <u>North Fork</u>			6. COUNTY <u>Potter</u>						
	7. LAT. <u>41° 59' 44"</u> LONG. <u>77° 38' 58"</u>			8. TOP OF DAM ELEVATION <u>1927.5</u>			9. SPILLWAY CREST ELEV. <u>1922.2</u>						
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF POOL		12. ORIGINAL SURFACE AREA, ACRES		13. ORIGINAL CAPACITY, ACRE-FEET		14. GROSS STORAGE, ACRE-FEET		15. DATE STORAGE BEGAN		
	a. FLOOD CONTROL		<u>1922.2</u>		<u>40.</u>		<u>625.66</u>		<u>654.13</u>		<u>11/61</u>		
	b. MULTIPLE USE												
	c. POWER												
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN		
	e. IRRIGATION												
	f. CONSERVATION												
g. INACTIVE		<u>1888.0</u>		<u>5.3</u>		<u>28.47</u>		<u>28.47</u>					
17. LENGTH OF RESERVOIR				<u>0.3</u> MILES		AV. WIDTH OF RESERVOIR				<u>0.21</u> MILES			
WATERSHED	18. TOTAL DRAINAGE AREA				<u>3.4</u> SQ. MI.		22. MEAN ANNUAL PRECIPITATION				<u>34.5</u> INCHES		
	19. NET SEDIMENT CONTRIBUTING AREA				<u>3.3</u> SQ. MI.		23. MEAN ANNUAL RUNOFF				<u>17.0</u> INCHES		
	20. LENGTH		<u>2.7</u> MILES		AV. WIDTH		<u>1.3</u> MILES		24. MEAN ANNUAL RUNOFF		<u>3082</u> AC.-FT.		
	21. MAX. ELEV. <u>2220</u>			MIN. ELEV. <u>1874.8</u>			25. ANNUAL TEMP.: MEAN RANGE						
	26. DATE OF SURVEY		27. PERIOD YEARS	28. ACCL. YEARS	29. TYPE OF SURVEY		30. NO. OF RANGES OR CONTOUR INT.		31. SURFACE AREA, ACRES		32. CAPACITY, ACRE-FEET		33. C/I. RATIO, AC.-FT. PER AC.-FT.
<u>8/28/62</u>		<u>-</u>	<u>-</u>	<u>contour detailed</u>		<u>2 ft</u>		<u>5.3</u> <sup>1/</sup>		<u>28.47</u> <sup>1/</sup> <u>654.13</u> <sup>2/</sup>		<u>.21</u> <sup>2/</sup>	
<u>7/11/67</u> <sup>1/</sup>		<u>4.9</u>	<u>4.9</u>	<u>range detailed</u>		<u>8</u>		<u>5.3</u> <sup>1/</sup>		<u>28.23</u> <sup>1/</sup> <u>653.89</u> <sup>2/</sup>		<u>.21</u> <sup>2/</sup>	
26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW, ACRE-FEET				36. WATER INFL. TO DATE, AC.-FT.					
				a. MEAN ANNUAL		b. MAX. ANNUAL		c. PERIOD TOTAL		a. MEAN ANNUAL		b. TOTAL TO DATE	
26. DATE OF SURVEY		37. PERIOD CAPACITY LOSS, ACRE-FEET						38. TOTAL SED. DEPOSITS TO DATE, ACRE-FEET					
		a. PERIOD TOTAL		b. AV. ANNUAL		c. PER SQ. MI.-YEAR		a. TOTAL TO DATE		b. AV. ANNUAL		c. PER SQ. MI.-YEAR	
<u>7/11/67</u> <sup>1/</sup>		<u>.24</u>		<u>.049</u>		<u>.01</u> <sup>1/</sup>		<u>.24</u>		<u>.049</u>		<u>.01</u>	
26. DATE OF SURVEY		39. AV. DRY WGT., LBS. PER CU. FT.		40. SED. DEP., TONS PER SQ. MI.-YR.		41. STORAGE LOSS, PCT.		42. SED. INFLOW, PPM					
		a. PERIOD		b. TOTAL TO DATE		a. AV. ANN.		b. TOT. TO DATE		a. PERIOD		b. TOT. TO DATE	
<u>7/11/67</u> <sup>1/</sup>		<u>71</u>		<u>15.5</u>		<u>15.5</u>		<u>.007</u>		<u>.037</u>		<u>110.</u>	

26. DATE OF SURVEY 7/11/67	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION														
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION														
26. DATE OF SURVEY 7/11/67	44. REACH DESIGNATION PERCENT OF TOTAL ORIGINAL LENGTH OF RESERVOIR														
	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	-105	-110	-115	-120	-125
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION														
45. RANGE IN RESERVOIR OPERATION															
WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.	WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.								
46. ELEVATION-AREA-CAPACITY DATA															
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY							
47. REMARKS AND REFERENCES															
<p>1/ Data based on sediment pool only</p> <p>2/ Total Reservoir below crest elev. 1922.2</p>															
48. AGENCY MAKING SURVEY															
49. AGENCY SUPPLYING DATA Soil Conservation Service															
50. DATE Sept. 14, 1971															



25. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION														
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION														
26. DATE OF SURVEY	44. REACH DESIGNATION PERCENT OF TOTAL ORIGINAL LENGTH OF RESERVOIR														
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PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION															
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WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.	WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.								
46. ELEVATION-AREA-CAPACITY DATA															
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY							
47. REMARKS AND REFERENCES															
<p>1/ Data based on sediment pool only</p> <p>2/ Total reservoir below crest elevation 1922.2</p> <p>3/ Wet sediment</p> <p>4/ Weighted average dry unit weight for wet and dry sediment.</p> <p>5/ Water Resource data for Pa.</p>															
48. AGENCY MAKING SURVEY															
49. AGENCY SUPPLYING DATA      Soil Conservation Service															
50. DATE April 6, 1978															

RESERVOIR SEDIMENT  
DATA SUMMARY

SCS-34 Rev. 6-66

PA-406

North Fork Cowanesque River

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

21-57 a

DATA SHEET NO.

DAM	1. OWNER <u>Potter County Cons Dist</u>			2. STREAM <u>White Branch</u>			3. STATE <u>Pa.</u>										
	4. SEC. <u>TWP.</u>		RANGE		5. NEAREST P. O. <u>North Fork</u>			6. COUNTY <u>Potter</u>									
	7. LAT. <u>41° 59' 44" LONG. 77° 38' 58"</u>			8. TOP OF DAM ELEVATION <u>1927.5</u>			9. SPILLWAY CREST ELEV. <u>1922.2</u>										
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF POOL		12. ORIGINAL SURFACE AREA, ACRES		13. ORIGINAL CAPACITY, ACRE-FEET		14. GROSS STORAGE, ACRE-FEET		15. DATE STORAGE BEGAN						
	a. FLOOD CONTROL		<u>1922.2</u>		<u>40.</u>		<u>625.66</u>		<u>654.13</u>		<u>11/61</u>						
	b. MULTIPLE USE																
	c. POWER																
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN						
	e. IRRIGATION																
	f. CONSERVATION																
g. INACTIVE		<u>1888.0</u>		<u>5.3</u>		<u>28.47</u>		<u>28.47</u>									
17. LENGTH OF RESERVOIR				<u>0.3</u>		MILES		AV. WIDTH OF RESERVOIR				<u>0.21</u>		MILES			
18. TOTAL DRAINAGE AREA				<u>3.4</u>		SQ. MI.		22. MEAN ANNUAL PRECIPITATION				<u>34.5</u>		INCHES			
19. NET SEDIMENT CONTRIBUTING AREA				<u>3.3</u>		SQ. MI.		23. MEAN ANNUAL RUNOFF				<u>17.0</u>		INCHES			
20. LENGTH		<u>2.7</u>		MILES		AV. WIDTH		<u>1.3</u>		MILES		24. MEAN ANNUAL RUNOFF		<u>3082</u>		AC.-FT.	
21. MAX. ELEV. <u>2220</u>				MIN. ELEV. <u>1874.8</u>				25. ANNUAL TEMP.: MEAN				RANGE					
WATERSHED	26. DATE OF SURVEY		27. PERIOD YEARS		28. ACCL. YEARS		29. TYPE OF SURVEY		30. NO. OF RANGES OR CONTOUR INT.		31. SURFACE AREA, ACRES		32. CAPACITY, ACRE-FEET		33. C/I. RATIO, AC.-FT. PER AC.-FT.		
	<u>8/28/62</u>		<u>-</u>		<u>-</u>		<u>contour detailed</u>		<u>2 ft</u>		<u>5.3</u> <sup>1/</sup>		<u>28.47</u> <sup>1/</sup> <u>654.13</u> <sup>2/</sup>		<u>.21</u> <sup>2/</sup>		
	<u>7/11/67</u> <sup>1/</sup>		<u>4.9</u>		<u>4.9</u>		<u>range detailed</u>		<u>8</u>		<u>5.3</u> <sup>1/</sup>		<u>28.23</u> <sup>1/</sup> <u>653.89</u> <sup>2/</sup>		<u>.21</u> <sup>2/</sup>		
SURVEY DATA	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW, ACRE-FEET						36. WATER INFL. TO DATE, AC.-FT.						
					a. MEAN ANNUAL		b. MAX. ANNUAL		c. PERIOD TOTAL		a. MEAN ANNUAL		b. TOTAL TO DATE				
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		a. PERIOD TOTAL		b. AV. ANNUAL		c. PER SQ. MI.-YEAR		a. TOTAL TO DATE		b. AV. ANNUAL		c. PER SQ. MI.-YEAR					
<u>7/11/67</u> <sup>1/</sup>		<u>.24</u>		<u>.049</u>		<u>.01</u> <sup>1/</sup>		<u>.24</u>		<u>.049</u>		<u>.01</u>					
26. DATE OF SURVEY		39. AV. DRY WGT., LBS. PER CU. FT.		40. SED. DEP., TONS PER SQ. MI.-YR.		41. STORAGE LOSS, PCT.		42. SED. INFLOW, PPM									
		a. PERIOD		b. TOTAL TO DATE		a. AV. ANN.		b. TOT. TO DATE		a. PERIOD		b. TOT. TO DATE					
<u>7/11/67</u> <sup>1/</sup>		<u>71</u>		<u>15.5</u>		<u>15.5</u>		<u>.007</u>		<u>.037</u>		<u>110.</u>		<u>110.</u>			

26. DATE OF SURVEY 7/11/67	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION														
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION														
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WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.	WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.								
46. ELEVATION-AREA-CAPACITY DATA															
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY							
47. REMARKS AND REFERENCES															
<p>1/ Data based on sediment pool only</p> <p>2/ Total Reservoir below crest elev. 1922.2</p>															
48. AGENCY MAKING SURVEY															
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North Fork Cowanesque River

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

NAME OF RESERVOIR

21- 57b

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DAM	1. OWNER <u>Potter County Cons. Dist.</u>			2. STREAM <u>White Branch</u>		3. STATE <u>Pa.</u>		
	4. SEC. <u>TWP.</u>		RANGE		5. NEAREST P. O. <u>North Fork</u>		6. COUNTY <u>Potter</u>	
	7. LAT. <u>41° 59' 44"</u>			LONG. <u>77° 38' 58"</u>		8. TOP OF DAM ELEVATION <u>1927.5</u>	9. SPILLWAY CREST ELEV. <u>1922.2</u>	
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF POOL	12. ORIGINAL SURFACE AREA, ACRES	13. ORIGINAL CAPACITY, ACRE-Feet	14. GROSS STORAGE, ACRE-Feet	15. DATE STORAGE BEGAN	
	a. FLOOD CONTROL		<u>1922.2</u>	<u>40</u>	<u>625.66</u>	<u>654.13</u>	<u>11/61</u>	
	b. MULTIPLE USE							
	c. POWER							
	d. WATER SUPPLY						16. DATE NORMAL OPER. BEGAN	
	e. IRRIGATION						<u>11/61</u>	
	f. CONSERVATION							
	g. INACTIVE		<u>1888.0</u>	<u>5.3</u>	<u>28.47</u>	<u>28.47</u>		
WATERSHED	17. LENGTH OF RESERVOIR <u>0.16</u>			MILES		AV. WIDTH OF RESERVOIR <u>0.07</u>		
	18. TOTAL DRAINAGE AREA <u>3.4</u>			SQ. MI.		22. MEAN ANNUAL PRECIPITATION <u>34.5</u>		
	19. NET SEDIMENT CONTRIBUTING AREA <u>3.34</u>			SQ. MI.		23. MEAN ANNUAL RUNOFF <u>17.0</u>		
	20. LENGTH <u>2.7</u>		MILES	AV. WIDTH <u>1.3</u>		MILES	24. MEAN ANNUAL RUNOFF <u>3083</u>	
							AC.-F.T.	
21. MAX. ELEV. <u>2284</u>		MIN. ELEV. <u>1874.8</u>		25. ANNUAL TEMP.: MEAN			RANGE	
SURVEY DATA	25. DATE OF SURVEY	27. PERIOD YEARS	28. ACCL. YEARS	29. TYPE OF SURVEY	30. NO. OF RANGES OR CONTOUR INT.	31. SURFACE AREA, ACRES	32. CAPACITY, ACRE-Feet	33. C/I. RATIO, AC.-FT. PER AC.-FT.
	<u>8/28/62</u>	<u>-</u>	<u>-</u>	<u>contour detailed</u>	<u>2 ft.</u>	<u>5.3<sup>1/2</sup></u>	<u>28.47<sup>1/2</sup></u> <u>654.13<sup>2/2</sup></u>	<u>.21<sup>2/2</sup></u>
	<u>7/11/67<sup>1/2</sup></u>	<u>4.9</u>	<u>4.9</u>	<u>range detailed</u>	<u>8 R</u>	<u>5.3<sup>1/2</sup></u>	<u>28.23<sup>1/2</sup></u> <u>653.89<sup>2/2</sup></u>	<u>.21<sup>2/2</sup></u>
	<u>7/19/77</u>	<u>10</u>	<u>14.9</u>	<u>"</u>	<u>8R</u> <u>18R</u>	<u>5.3</u> <u>40</u>	<u>26.70<sup>1/2</sup></u> <u>651.66<sup>2/2</sup></u>	<u>.21<sup>2/2</sup></u>
	26. DATE OF SURVEY	34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW, ACRE-Feet			36. WATER INFL. TO DATE, AC.-FT.	
		a. MEAN ANNUAL	b. MAX. ANNUAL	c. PERIOD TOTAL	a. MEAN ANNUAL	b. TOTAL TO DATE		
	<u>8/28/62</u>	<u>22.58</u>						
	<u>7/11/67</u>	<u>32.43</u>						
	<u>7/19/77</u>	<u>38.04</u>	<u>2585<sup>5/2</sup></u>	<u>4435<sup>5/2</sup></u>	<u>25,850<sup>5/2</sup></u>	<u>2,585</u>	<u>38,517</u>	
	26. DATE OF SURVEY	37. PERIOD CAPACITY LOSS, ACRE-Feet			38. TOTAL SED. DEPOSITS TO DATE, ACRE-Feet			
	a. PERIOD TOTAL	b. AV. ANNUAL	c. PER SQ. MI.-YEAR	a. TOTAL TO DATE	b. AV. ANNUAL	c. PER SQ. MI.-YEAR		
<u>7/11/67<sup>1/2</sup></u>	<u>.24</u>	<u>.049</u>	<u>.015<sup>1/2</sup></u>	<u>.24</u>	<u>.049</u>	<u>.015</u>		
<u>7/19/77</u>	<u>1.53<sup>1/2</sup></u> <u>2.23</u>	<u>.15<sup>1/2</sup></u> <u>.22<sup>2/2</sup></u>	<u>.045<sup>1/2</sup></u> <u>.067<sup>2/2</sup></u>	<u>1.77<sup>1/2</sup></u> <u>2.47<sup>2/2</sup></u>	<u>.119<sup>1/2</sup></u> <u>.165<sup>2/2</sup></u>	<u>.036<sup>1/2</sup></u> <u>.050<sup>2/2</sup></u>		
26. DATE OF SURVEY	39. AV. DRY WGT., LBS. PER CU. FT.	40. SED. DEP., TONS PER SQ. MI.-YR.		41. STORAGE LOSS, PCT.		42. SED. INFLOW, PPM		
		a. PERIOD	b. TOTAL TO DATE	a. AV. ANN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE	
<u>7/11/67<sup>1/2</sup></u>	<u>71<sup>3/4</sup></u>	<u>22.7</u>	<u>22.7</u>	<u>.007</u>	<u>.037</u>	<u>110.</u>	<u>110.</u>	
<u>7/19/77</u>	<u>71<sup>3/4</sup></u> <u>80<sup>4/4</sup></u>	<u>71.70<sup>1/2</sup></u> <u>119.17<sup>2/2</sup></u>	<u>55.67<sup>1/2</sup></u> <u>87.12<sup>2/2</sup></u>	<u>.42<sup>1/2</sup></u> <u>.03<sup>2/2</sup></u>	<u>6.22<sup>1/2</sup></u> <u>.38<sup>2/2</sup></u>	<u>67</u> <u>112</u>	<u>52</u> <u>82</u>	

25. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION														
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION														
26. DATE OF SURVEY	44. REACH DESIGNATION PERCENT OF TOTAL ORIGINAL LENGTH OF RESERVOIR														
	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	-105	-110	-115	-120	-125
PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION															
45. RANGE IN RESERVOIR OPERATION															
WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.	WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.								
46. ELEVATION-AREA-CAPACITY DATA															
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY							
47. REMARKS AND REFERENCES															
<p>1/ Data based on sediment pool only</p> <p>2/ Total reservoir below crest elevation 1922.2</p> <p>3/ Wet sediment</p> <p>4/ Weighted average dry unit weight for wet and dry sediment.</p> <p>5/ Water Resource data for Pa.</p>															
48. AGENCY MAKING SURVEY															
49. AGENCY SUPPLYING DATA Soil Conservation Service															
50. DATE April 6, 1978															