346

	T/R	Sections						
	1N, 1W/1E Sections 36/31 (NT)	**(N) 35/36**	**(N) 25/26**	**(E) 25/36**	**(N) 34/35**	**(N) 33/34**	**(N) 32/33**	**(N) 31/32**
Survey Dates/Surveyor	01/27/1867 Pierce	03/04/1868 Ingalls	03/04-12/1868 Ingalls	03/04-12/1868 Ingalls	03/07/1868 Ingalls	03/07/1868 Ingalls	03/04-12/1868 Ingalls	03/12/1868 Ingalls
North Channel (#)/Width (Chains)								
South Channel(#)/Width (Chains)								
North and South Channel Combined (#)/Width (Chains)	1/6.50 p. 4; Book 1357	1/7.22 Channel in Secs. 25, 26, 35, 36 p. 2; Book 2	1/7.22 Channel in Secs. 25, 26, 35, 36 p. 2; Book 2		1/6.40 p. 15; Book 2	1/7.27 pp. 26-27; Book 2	1/3.90 p. 39; Book 2	1/6.08 p. 50; Book 2
Slough(#)/Width (Chains)		1/2.00 p. 1; Book 2		1/2.25 p. 4; Book 2	1/3.20 p. 14; Book 2	1/1.20 p. 27; Book 2	1/1.39 p. 39; Book 2	
Old River Bed (#)/Width (Chains)								
Irrigation Ditch (#)/Width (Chains)								
North Channel Depth								
South Channel Depth								
North and South Channel Combined Depth	Does not indicate triangulation method was used. Use of the word “about” implies width was estimated. p. 4 “Road to upper ford lies E. and crosses Salt-River about 1 ½ __ above line.” “Note at the time of running this line while the water at the lower ford was so deep as to render fording impracticable the water at upper ford was not more than 3 ft deep.”[2] pp. 4-5; Book 1357	Use of triangulation method to measure width. Implies water was too deep to cross. [1] pp. 1-2; Book 2	Use of triangulation method to measure width. Implies water was too deep to cross. [1] pp. 1-2; Book 2		Use of triangulation method to measure width. Implies water was too deep to cross. [1] pp. 14-15; Book 2	Use of triangulation method to measure width. Implies water was too deep to cross. [1] pp. 26-27; Book 2	Use of triangulation method to measure width. Implies water was too deep to cross. [1] pp. 38-39; Book 2	Use of triangulation method to measure width. Implies water was too deep to cross. [1] p. 50; Book 2
Slough Depth (s)		Does not indicate triangulation method was used. p. 1; Book 2		Does not indicate triangulation method was used. p. 4; Book 2	Does not indicate triangulation method was used. p. 14; Book 2	Does not indicate triangulation method was used. p. 27; Book 2	Does not indicate triangulation method was used. p. 39; Book 2	
Old River Bed Depth								
Irrigation Ditch Depth								
North Channel Flow Rate								
South Channel Flow Rate								
North and South Channel Combined Flow Rate						Running slow. p. 26; Book 2		
Slough Flow Rate								
Old River Bed Flow Rate								
North Channel Description								
South Channel Description								
North and South Channel Combined Description	Surface S. of Rivers broken and rocky; N. of River level; Veg. Willow and sage brush and a few cottonwood trees along the N. bank of Salt River. Soil N. of river, 1st rate. p. 5; Book 1357	Low sandy banks. Runs SW. p. 1 Land level. Timber Cottonwood on river bank. Mesquite and sage brush on south ½ mile. pp. 2-3 North of river soil mostly 2nd rate. see plat map.	Low sandy banks. Runs SW. p. 1; Book 2 Land level. Timber Cottonwood on river bank. Mesquite and sage brush on south ½ mile. pp. 2-3; Book 2 North of river soil mostly 2nd rate. see plat map.		Land level. Soil 2nd & 3rd rates – sandy. Timber Cottonwood along river banks. Mesquite, Willow, Sage brush and Cottonwood. p. 16; Book 2		Cor secs 28, 29, 32, 33 …land level – middle part sandy with numerous gulches, sloughs and washes N & S. Soils 2nd rate. p. 39; Book 2	Land level. Soil 2nd & 3rd rate. mesquite, greasewood and sage brush. p. 67; Book 2
Slough Description		Runs west. p. 1; Book 2				Runs west p. 27; Book 2	Runs SW. p. 39; Book 2	
Old River Bed Description								
General Description; Book 2	The land in this Township is level – the soil north of Salt River being considerably above the common average while south of river it is 2nd and 3rd rate. The timber consists chiefly of a few cottonwoods along river bank together with scattering willow, mesquite, greasewood and sagebrush. There is a very good ford across Salt River in sec. 35. pp. 67-68							
General Description; Book 1357	A little of the land along Salt River on this line is 1st rate but the fact that there is no water on or near the rest of the line (the Agua Fria being dry) renders it almost value less for agricultural purposes. The Agua Fria is I suppose dry along this line almost throughout the year. Good grass in places along its bottom. There is but very little timber on this line which comes to in a very few scattering mesquite-tree. Valueless except for fuel. pp. 22-23							

[1] Per John Nebrich, if the triangulation method was used to determine channel width then the water was too deep to cross and a boat or raft was used. If the surveyor could have walked across the river he would have dragged the chain.

[2] I discussed the upper and lower fords with John Nebrich, and concluded that the upper ford is the Salt River and the lower ford is the Gila River.

N = North; E= East; NT = North Township Line.

	T/R	Sections									
	1N, 1E/2E (NT) Sections 25/30	**(N) 23/24**	**(E) 13/24**	**(N) 22/23**	**(N) 27/28**	**(E) 22/27**	**(N) 21/22**	**(N) 28/29**	**(N) 20/21**	**(N) 29/30**	**(E) 20/29**
Survey Dates/Surveyor	03/02/1868 Ingalls	03/16-24/1868 Ingalls	03/16-24/1868 Ingalls	03/16-24/1868 Ingalls	03/16-24/1868 Ingalls	03/16-24/1868 Ingalls	03/16-24/1868 Ingalls	03/16-24/1868 Ingalls	03/16-24/1868 Ingalls	03/16-24/1868 Ingalls	03/16-24/1868 Ingalls
North Channel (#)/Width (Chains)		1/5.24 p. 75; Book 2	1/5.32 p. 76; Book 2				1/5.19 p. 99; Book 2		1/6.86 p. 112; Book 2	1/6.50 p. 123; Book 2	1/5.18 p. 125; Book 2
South Channel(#)/Width (Chains)		1/4.33 p.74; Book 2			1/2.11 p. 97; Book 2	1/3.93 p. 97; Book 2		1/3.20 p. 109; Book 2		1/2.13 p. 122; Book 2	
North and South Channel Combined (#)/Width (Chains)	1/5.57 p. 4; Book 1480			1/8.25 p.87; Book 2							
Slough(#)/Width (Chains)	1/3.00 p. 4; Book 1480						2/1.65/1.30 p. 100; Book 2				
Old River Bed (#)/Width (Chains)	1/4.80 p. 5; Book 1480			1/3.00 p.88; Book 2							
North Channel Depth		Use of triangulation method to measure width. Implies water was too deep to cross. [1] pp.73-74; Book 2	Did not use triangulation method – Subtracts .11 from 5.43 to get 5.32. Runs chain. p. 76; Book 2				Use of triangulation method to measure width. Implies water was too deep to cross. [1] p. 99; Book 2		Use of triangulation method to measure width. Implies water was too deep to cross.[1] p. 111-112; Book 2	Use of triangulation method to measure width. Implies water was too deep to cross. [1] p. 123; Book 2	Use of triangulation method to measure width. Implies water was too deep to cross. [1] p. 124; Book 2
South Channel Depth		Use of triangulation method to measure width. Implies water was too deep to cross. [1] "To left bank of south channel of Salt River high banks…" pp.73-74; Book 2			Did not use triangulation method. "not too deep to prevent measuring across it on line." p. 97; Book 2	Did not use triangulation method. p. 97; Book 2		Did not use triangulation method. "not too deep to prevent measuring across it on line." p. 109; Book 2		Did not use triangulation method. "not too deep to prevent crossing on line. p. 122; Book 2	
North and South Channel Combined Depth	Use of triangulation method to measure width. Implies water was too deep to cross. [1] pp.4-5; Book 1480			Use of triangulation method to measure width. States: "I then crossed the river." p. 87; Book 2							
Slough Depth (s)	Did not use triangulation method. p. 4; Book 1480										
Old River Bed Depth	Did not use triangulation method. p. 5; Book 1480			Did not use triangulation method. "Enters old bed of river." p.88; Book 2							
North Channel Flow Rate											
South Channel Flow Rate											
North and South Channel Combined Flow Rate											
Slough Flow Rate											
Old River Bed Flow Rate											
North Channel Description		Land level. South of River 2nd rate Remainder, 3rd rate sandy. Timber: Cottonwood between rivers. Mesquite brush south of rivers. pp. 75-77; Book 2	Land level. South of River 2nd rate Remainder, 3rd rate sandy. Timber: Cottonwood between rivers. Mesquite brush south of rivers. pp. 75-77; Book 2				To left bank of north channel of Salt River – low sandy bank constantly shifting runs S85 degrees W. To flag on right bank of river. Enter low bottom land and Mesquite brush. p. 99; Book 2		To left bank of north channel of Salt River – low sandy bank…p. 111; Book 2 To flag on right bank of river. Enter thick mesquite. p. 112; Book 2	To left bank of north channel of Salt River – low sandy bank. p. 123; Book 2 To flag on right bank of river. Enter dense mesquite brush. p. 123; Book 2	
South Channel Description		Land level. South of River 2nd rate Remainder, 3rd rate sandy. Timber: Cottonwood between rivers. Mesquite brush south of rivers. pp. 75-77; Book 2			Land level – sandy soil 2nd rate. Timber: Cottonwood near river bank. Undergrowth Cottonwood and Arrow weed. p. 98; Book 2		Land level – sandy soil 2nd rate. Timber: Cottonwood near river bank. Undergrowth Cottonwood and Arrow weed. p. 98; Book 2	Land level – bet river sandy soil 2nd and 3rd rate. p.109 Timber: Cottonwood on river bank. Undergrowth Arrow weed. Some Mesquite brush south of river. p. 110; Book 2			
North and South Channel Combined Description	Land level-rather sandy north of River. Soil 1st & 2nd rate occasionally subject to a slight overflow. ____ soil 2nd rate. Timber Cottonwood on banks of River with some scattering trees on bottom ___. Mesquite brush N of River bottom. pp. 5-6; Book 1480			"Enter dense growth of Mesquite." p. 88; Book 2							
Slough Description	Runs west. p. 4; Book 1480.										
Old River Bed Description				"Enter old bed of river 3.00 chains wide…" p. 88; Book 2							
General Description; Book 2	The land in this township is level – soil generally 1st & 2nd rate and sandy-especially near the Salt River. Salt River enters the Township on the east boundary of secs 13, 24 & 25 in three channels but they unite and leave the Township in one channel in sec. 30. Timber-Cottonwood on bank of river and generally between the channels of ___. The greater portion of the township north of Salt River is covered with a very dense growth of mesquite together with some scattering sage and greasewood brush. pp. 138-139.										
General Description; Book 1480	No overall general description.										

[1] Per John Nebrich, if the triangulation method was used to determine channel width then the water was too deep to cross and a boat or raft was used. If the surveyor could have walked across the river he would have dragged the chain.
N = North; E= East; NT = North Township Line.

	T/R	Sections												
	1N, 2E/3E (NT) Sections 13/18, 24/19, 25/30	**(N) 23/24**	**(N) 13/14**	**(N) 22/23**	**(N) 14/15**	**(N) 21/22**	**(E) 15/22**	**(N) 15/16**	**(N) 20/21**	**(N) 16/17**	**(E) 16/21**	**(N) 19/20**	**(E) 17/20**	**(W) 18/19**
Survey Dates/Surveyor	03/14/1868 Ingalls	03/27-04/04/1868 Ingalls	03/27-04/04/1868 Ingalls	03/27-04/04/1868 Ingalls	03/27-04/04/1868 Ingalls	03/27-04/04/1868 Ingalls	03/27-04/04/1868 Ingalls	03/27-04/04/1868 Ingalls	03/27-04/04/1868 Ingalls	03/27-04/04/1868 Ingalls	03/27-04/04/1868 Ingalls	03/27-04/04/1868 Ingalls	04/03/1868 Ingalls	03/27-04/04/1868 Ingalls
North Channel (#)/Width (Chains)	1/7.93 p. 19; Book 1480		1/13.00 p. 147; Book 2		1/17.78 pp. 159-160; Book 2	1/3.00 (3.00 +4.30 =7.30; See N 15/16 p.171; Book 2	1 – No Measurement	1/4.30 (4.30 + 3.00 = 7.30; See N 21/22 p.172; Book 2		1/8.00 p. 184; Book 2		1/9.51 p. 198; Book 2	1/7.83 p. 200; Book 2	1/8.73 p. 202; Book 2
South Channel(#)/Width (Chains)	1/15.05 (9.00 +6.05 = 15.05) p. 17; Book 1480	1/4.49 p. 144; Book 2		1/4.00 p. 157; Book 2		1/4.70 p. 170; Book 2			1/6.37 p. 182; Book 2			1/6.47 p. 197; Book 2		
North and South Channel Combined (#)/Width (Chains)														
Slough(#)/Width (Chains)	1/3.00 p. 18; Book 2				1/4.0 (A slough takes its rise from the north channel of Salt River) Runs west. p.158; Book 2		1-No Measurement			1/1.50 p. 185; Book 2				
Old River Bed (#)/Width (Chains)				1/4.00 p.156; Book 2										
North Channel Depth	Use of triangulation method to measure width. Implies water was too deep to cross. [1] pp. 19-20; Book 1480		Use of triangulation method to measure width. Implies water was too deep to cross. [1] pp. 146-147; Book 2		Does not use triangulation method. Crosses the river and runs a base line. 18.03-.25 = 17.78 pp. 159-160; Book 2	Use of triangulation method to measure width. Implies water was too deep to cross.[1] p. 171; Book 2		Use of triangulation method to measure width. Implies water was too deep to cross.[1] pp. 171-172; Book 2.	Use of triangulation method to measure width. Implies water was too deep to cross.[1] pp. 182-183; Book 2	Use of triangulation method to measure width. Implies water was too deep to cross.[1] p. 184; Book 2		Use of triangulation method to measure width. Implies water was too deep to cross.[1] States : "I then crossed the river…" p. 198; Book 2	Use of triangulation method to measure width. Implies water was too deep to cross.[1] p. 200; Book 2	Use of triangulation method to measure width. Implies water was too deep to cross.[1] p. 202; Book 2
South Channel Depth	Use of triangulation method to measure width. Implies water was too deep to cross. [1] pp. 16-17; Book 1480	Use of triangulation method to measure width. Implies water was too deep to cross. [1] pp. 144-145; Book 2		Use of triangulation method to measure width. States: There is a good ford across the river at this point. pp. 157-158; Book 2		Use of triangulation method to measure width. Implies water was too deep to cross. [1] p. 170; Book 2						Use of triangulation method to measure width. Implies water was too deep to cross.[1] p. 197; Book 2		
North and South Channel Combined Depth														
Slough Depth (s)	Does not indicate triangulation method was used. p. 18; Book 1480				Does not indicate triangulation method was used. p. 158; Book 2					Does not indicate triangulation method was used. p. 185; Book 2				
Old River Bed Depth				Does not indicate triangulation method was used. p. 156; Book 2										
North Channel Flow Rate														
South Channel Flow Rate														
North and South Channel Combined Flow Rate														
Slough Flow Rate														
Old River Bed Flow Rate														
North Channel Description	Land level – south of north channel sandy and unfit for cultivation. North of river 1st rate. Timber cottonwood on river bank. Mesquite brush north of river. p. 20; Book 1480		Timber: Cottonwood near river bank. Mesquite brush south of river. The land east of this being sandy unfit for cultivation and interspersed with numerous sloughs and at times portions of it are overflowed from 4 to 6 feet. pp. 145-146; Book 2		Land south of river level; soil 2nd rate. Between rivers low, sandy and unfit for cultivation. South of river mesquite and sage brush. Timber: Cottonwood along river bank (Note: Land east of above cor low and sandy and unfit for cultivation. And subject to overflow. p. 158; Book 2	Land south of main level; soil 2nd rate. Between rivers sandy, unfit for cultivation and subject to inundation. Sage and mesquite brush south of river. Some Cottonwood timber on river bank. pp. 171-172; Book 2	Note: The line bet secs 15 & 22 running some distance is the main therefore passing overland for the most part subject to overflow and unfit for cultivation interspersed with numerous slough from the ___. I do not run it. p. 172; Book 2	Land south of main level; soil 2nd rate. Between rivers sandy, unfit for cultivation and subject to inundation. Sage and mesquite brush south of river. Some cottonwood timber on river bank. pp. 171-172; Book 2		Cor secs 16, 17, 20 & 21: Land south of river level; Soil 2nd __ rate. Between rivers low, sandy and unfit for cultivation. Timber good Cottonwood along river bank, Mesquite brush south of river. p. 184; Book 2	Land on line bet secs 16 & 21 sandy – subject to overflow and unfit for cultivation. A large portion of it being washed or shifted about every season there or less. p. 184; Book 2	Enter mesquite p. 198 Land level-N & S of rivers 1st rate. Between rivers sandy and unfit for cultivation. Timber cottonwood on river bank, Willow and cottonwood brush bet rivers. Mesquite & greasewood brush N & S of rivers. p. 199; Book 2	The cor to secs 17, 18, 19 & 20 Land level-west of river 1st rate. East of river sandy 3rd rate. Willows and cottonwoods near river banks. Sage, greasewood and mesquite brush west of river. p. 201; Book 2	The cor to secs 17, 18, 19 & 20 Land level. East of river 1st rate. Bet rivers sandy 2nd rate. Cottonwood on bank of river. scattering Mesquite & willow brush. p. 203; Book 2
South Channel Description	Land level. Soil 2nd rate – sandy. Undergrowth mesquite brush. Timber cottonwood on banks of river. pp. 16-17; Book 1480	North of channel map states "Sandy and unfit for cultivation." See survey plat.		Good ford across the river at this point. p.157; Book 2		Land south of main level; soil 2nd rate. Between rivers sandy, unfit for cultivation and subject to inundation. Sage and mesquite brush south of river. pp. 171-172; Book 2						Land level-N & S of rivers __ __. Between rivers sandy and unfit for cultivation. Timber cottonwood on river bank, Willow and cottonwood brush bet rivers. Mesquite & greasewood brush N & S of rivers. p. 199; Book 2		
North and South Channel Combined Description														
Slough Description	Runs SW. p. 18; Book 1480						Note: The line bet secs 15 & 22 running some distance is the main therefore passing overland for the most part subject to overflow and unfit for cultivation interspersed with numerous slough from the ___. I do not run it. p. 172; Book 2							
Old River Bed Description														
General Description; Book 2	The quality of the land in ___ portion of the Township that lies north of Salt River is considerably above the common average. South of river generally 2nd/3rd rate soil. Salt River separates in two channels called North & South Channels with numerous sloughs running from one to the other runs through a loose sandy soil in the middle of the Township from east to west. It is continually washing away and changing its course. This Township is made fractional in consequence of the land bet the north and south channels being sandy and constantly washed and shifted by the river and is unfit for cultivation. A settlement called Phoenix was formed in the NE part of the Township during the _____of 1867 & 1868. It now contains about 50 persons who have displayed great energy in the construction of their lands and will this year bring under cultivation a large extent of country. The settlement though young bears easy evidence of thrift and prosperity. The land in this Tp. North of Salt River bears every evidence of having been under cultivation at some former time. The old Ese ca running through secs 1, 2 & 12 were evidently used to irrigate there lands is still in a good state of preservation. pp. 212-213													
General Description; Book 1480	No overall general description.													

[1] Per John Nebrich, if the triangulation method was used to determine channel width then the water was too deep to cross and a boat or raft was used. If the surveyor could have walked across the river he would have dragged the chain.
N = North; E= East; NT = North Township Line.

	T/R	Sections								
	1N, 3E/4E (NT) Sections 12/7, 13/18-24/19	**(N) 11/12**	**(N) 14/15**	**(E) 11/14**	**(N) 15/16**	**(N) 16/17**	**(N) 17/18**	**(E) 8/17**	**(N) 7/8**	**(W) 7/18**
Survey Dates/Surveyor	03/26/1868 Ingalls	04/08-04/16/1868 Ingalls	04/08-04/16/1868 Ingalls	04/08-04/16/1868 Ingalls	04/08-04/16/1868 Ingalls	04/08-04/16/1868 Ingalls	04/08-04/16/1868 Ingalls	04/08-04/16/1868 Ingalls	04/08-04/16/1868 Ingalls	04/08-04/16/1868 Ingalls
North Channel (#)/Width (Chains)	1/9.11 p. 34; Book 1480							1/6.19 p.273; Book 2	1/8.10 p. 277; Book 2	1/5.13 p. 275; Book 2
South Channel(#)/Width (Chains)	1/8.27 (2.25 +6.02 =8.27) p.32; Book 1480						1/7.10 p. 271; Book 2			
North and South Channel Combined (#)/Width (Chains)		1/6.17 p. 222; Book 2	1/5.57 p. 231; Book 2	1/6.83 pp. 232-233; Book 2	1/22.66 pp. 243-244; Book 2	1/14.53 p. 255; Book 2				
Slough(#)/Width (Chains)			1/2.0 p. 231; Book 2							
Old River Bed (#)/Width (Chains)										
Irrigation Ditch (#)/Width (Chains)	2/2.0/3.5 p. 35; Book 1480				1/2.5 (Note: This ditch is only finished N65W 3.00 chn & S65E 5.00 chn from the point where it crosses the line. The settlers in T1N, R3E propose extending it to their settlements to be used for irrigating purposes) p. 244; Book 2				There are two Eseca (ditches) taking water from salt River in Sec 7 and runs thence mentioned into T1N, R3E and which is used by the farmers for irrigating their lands. p. 283; Book 2	
North Channel Depth	Use of triangulation method to measure width. Implies water was too deep to cross. [1] pp. 33-34; Book 1480							Use of triangulation method to measure width. Implies water was too deep to cross. [1] p. 273; Book 2	Use of triangulation method to measure width. Implies water was too deep to cross. [1] pp. 276-277; Book 2	
South Channel Depth	Use of triangulation method to measure width. Implies water was too deep to cross. [1] pp. 32; Book 1480						Use of triangulation method to measure width. Implies water was too deep to cross. [1] pp. 271-272; Book 2			
North and South Channel Combined Depth		Use of triangulation method to measure width. Implies water was too deep to cross. [1] pp. 221-222; Book 2	Use of triangulation method to measure width. Implies water was too deep to cross. [1] pp. 230-231; Book 2	Use of triangulation method to measure width. Implies water was too deep to cross. [1] pp. 232-233; Book 2	Use of triangulation method to measure width. Implies water was too deep to cross. [1] pp. 243-244; Book 2	Use of triangulation method to measure width. Implies water was too deep to cross. [1] pp. 255-256; Book 2				
Slough Depth (s)			Does not indicate triangulation method was used. p. 231; Book 2							
Old River Bed Depth										
Irrigation Ditch Depth	Does not indicate triangulation method was used. p. 35; Book 2		Does not indicate triangulation method was used. p. 244; Book 2							
North Channel Flow Rate										
South Channel Flow Rate										
North and South Channel Combined Flow Rate										
Slough Flow Rate										
Old River Bed Flow Rate										
Irrigation Ditch Flow Rate										
North Channel Description	Running SW. p. 34; Book 1480							Land level – bet rivers low bottom. Soil 2nd rate. Timber cottonwood on river bank. p. 276; Book 2	The cor secs 7, 8, 17, 18. Land level – rather broken and sandy. Soil 2nd & 3rd rate. Timber cottonwood and willows. p. 274; Book 2	
South Channel Description	Land level. Soil 1st & 2nd rate. Mesquite brush. p. 33; Book 1480						Land level – bet rivers sandy 3rd rate. ___south of river 1st & 2nd rate. Cottonwood along river bank. p. 272; Book 2			
North and South Channel Combined Description			Set a post for cor secs 10, 11, 14, & !5… Land level-South of river 1st rate. North of river –level ___ ___ 3rd rate. mesquite and sage brush south of river. Cottonwood on river banks. p. 232; Book 2			…& cottonwood 12 in diameter … Land level – North of river low sandy bottom, soil 2nd rate; Timber cottonwood on bank of river, greasewood & sage brush, p 256; Book 2				
Slough Description			Set a post for cor secs 10, 11, 14, & !5… Land level-South of river 1st rate. North of river –level ___ ___ 3rd rate. mesquite and sage brush south of river. Cottonwood on river banks. p. 232; Book 2							
Old River Bed Description										
Irrigation Ditch Description	These ditches furnish nearly all the water the settlers need in Tp 1N R3E at irrigating their lands. p. 35; Book 1480									
General Description; Book 2	The land in this Township is generally level except in that part north of Salt River which is rolling and hilly. Soil south of river generally 1st & 2nd rate and north of river 2nd & 3rd rate. There is a good growth of cottonwood timber along either bank of Salt River. salt River entering the Township on east boundary of sec. 12 and flows in a westerly direction into sec. 17 about 8.00 chn where it separates into two rivers called the North and South channels – each having about the same amount of water. It leaves the Tp on west boundaries of secs 18 & 19. The banks are generally from 5 to 10 ft higher but occasionally where it runs through a bottom they are low and sandy. There are two Esecas taking water from Salt River in sec 7 and runs thence mentioned into Tp 1N R3E and which is used by the farmers for irrigating their lands. The settlers propose constructing another Eseca taking the water from the river in sec 15 leading westerly to their adjoining Township. In the sw cor of sec 7 we discovered the remains of an ancient adobe house and wall. The wall is a parallelogram in shape and is about 100 ft long and 60 feet wide. It is situated on a higher elevation. This ruin from all appearances as must have been designed for a fortification but where and by whom we of course have no means of knowing. pp. 282-284									
General Description; Book 1480	No overall general description.									

[1] Per John Nebrich, if the triangulation method was used to determine channel width then the water was too deep to cross and a boat or raft was used. If the surveyor could have walked across the river he would have dragged the chain.
N = North; E= East; NT = North Township Line.

	T/R	T/R	Sections					
	1N, 4E/5E (NT) Sections 12/7	**1N/2N, 5E (ET) Sections 4/33-3/34**	**(N) 3/4**	**(N) 8/9**	**(E) 4/9**	**(N) 4/5**	**(N) 7/8**	**(E) 5/8**
Survey Dates/Surveyor	04/06/1868 Ingalls	04/18/1868 Ingalls	04/20-04/29/1868 Ingalls	04/20-04/29/1868 Ingalls	04/20-04/29/1868 Ingalls	04/20-04/29/1868 Ingalls	04/28/1868 Ingalls	04/29/1868 Ingalls
North Channel (#)/Width (Chains)		1/2.63 p. 67; Book 1480			1/7.25 p. 331; Book 2	1/4.85 p. 333; Book 2	1/3.25 p. 348; Book 2	1/4.11 p. 349; Book 2
South Channel(#)/Width (Chains)		1/6.83 p. 69; Book 1480	1/3.46 p. 319; Book 2	1/3.70 p. 329; Book 2			1/4.91 p. 347; Book 2	
North and South Channel Combined (#)/Width (Chains)	1/12.50 p. 48; Book 1480							
Slough(#)/Width (Chains)								
Old River Bed (#)/Width (Chains)								
Irrigation Ditch (#)/Width (Chains)								
North Channel Depth		Use of triangulation method to measure width. Implies water was too deep to cross. [1] p. 67; Book 1480			Use of triangulation method to measure width. Implies water was too deep to cross. [1] p. 330-331; Book 2	Use of triangulation method to measure width. Implies water was too deep to cross. [1] p. 332-333; Book 2	Use of triangulation method to measure width. Implies water was too deep to cross. [1] p. 348; Book 2	Use of triangulation method to measure width. Implies water was too deep to cross. [1] pp. 349-350; Book 2
South Channel Depth		Use of triangulation method to measure width. Implies water was too deep to cross. [1] pp. 69-70; Book 1480	Use of triangulation method to measure width. Implies water was too deep to cross. [1] p. 319; Book 2	Use of triangulation method to measure width. Implies water was too deep to cross. [1] p. 329; Book 2			Use of triangulation method to measure width. Implies water was too deep to cross. [1] p. 347; Book 2	
North and South Channel Combined Depth	Use of triangulation method to measure width. Implies water was too deep to cross. [1] pp. 47-48; Book 1480							
Slough Depth (s)								
Old River Bed Depth								
Irrigation Ditch Depth								
North Channel Flow Rate								
South Channel Flow Rate								
North and South Channel Combined Flow Rate								
Slough Flow Rate								
Old River Bed Flow Rate								
North Channel Description		Land level- near river very sandy. Soil 2nd rate. Timber cottonwood along river bank. Greasewood & sage brush and some willows. p. 68; Book 1480			Bet rivers: Land sandy & subject to overflow; Soil 3rd rate. See plat map.	Bet rivers: Land sandy & subject to overflow; Soil 3rd rate. North of channel soil 2nd & 3rd rate. See plat map.	Bet rivers: Land sandy & subject to overflow; Soil 3rd rate. North of channel soil 2nd & 3rd rate. See plat map. Cor secs 5, 6, 7, &8 …Land sandy, broken and subject to overflow from 2 to 3 feet. Timber cottonwood along river bank p. 349; Book 2	Bet rivers: Land sandy & subject to overflow; Soil 3rd rate. North of channel soil 2nd & 3rd rate. See plat map.
South Channel Description		Land level – sandy- the portion between the two channels being subject to inundation 2 or 3 feet. The river evidently at times of very high water sweeps over the entire bottom from the north to the south channel of Salt River. Timber cottonwood & willows. Greasewood brush and some arrow weed near bank of River. p. 70; Book 1480	Bet rivers: Land sandy & subject to overflow; Soil 3rd rate. South of channel: River bottom land, soil 1st rate. See plat map.	Bet rivers: Land sandy & subject to overflow; Soil 3rd rate. See plat map. Land south of river level 1st rate. Remainder sandy and subject to inundation. Timber cottonwood on river bank. p. 330; Book 2			Bet rivers: Land sandy & subject to overflow; Soil 3rd rate. South of channel River bottom land. Soil 1st rate. See plat map.	
North and South Channel Combined Description	Land level – subject to inundation from 2 to 3 feet from Salt River. Soil 1st & 2nd rate. Timber Cottonwood on both banks of river. Mesquite brush on north 60.00 chn. P. 49; Book 1480							
Slough Description								
Old River Bed Description								
General Description General Description; Book 2		The soil in this Township is generally of the 1st & 2nd rates – sandy. Land except the extensive bottoms on south side of Salt River in secs 2, 3, 4, 8, 9, 10, 16 & 17 level mesa. There is considerable grass on the mesa or uplands and on the river bottom is quite luxuriant especially during the month of January, February, March and April. The bottom lands can be easily irrigated with water from Salt River and will doubtless produce grain or vegetables adapted to the climate. This land resembles that which the Maricopa and Pima Indians have under cultivation near the Gila River as what is called the Maricopa and pima villages upon which land they raise barley, wheat, corn etc. to a considerable extent. The mesa can be irrigated but only with much more expense that would be the case with the bottom lands as it lies about 25 or 30 ft above the bottom. Timber cottonwood along the banks of Salt River with greasewood and sage brush on mesa and arrow weed in bottom. The north and south channels of Salt River are now of about equal size – but as they run through sandy soil are constantly changing position and size. pp.353-355						
General Description; Book 1480		No overall general description.						

[1] Per John Nebrich, if the triangulation method was used to determine channel width then the water was too deep to cross and a boat or raft was used. If the surveyor could have walked across the river he would have dragged the chain.
N = North; E= East; NT = North Township Line.

	T/R	T/R	Sections				
	2N, 5E/6E (NT) Sections 25/30	**1N/2N, 5E (ET) Sections 4/33-3/34**	**(N) 25/26**	**(N) 34/35**	**(E) 26/35**	**(N) 26/27**	**(E) 27/34**
Survey Dates/Surveyor	05/14/1868 Ingalls	04/18/1868 Ingalls	05/25/1868 Ingalls	05/25/1868 Ingalls	05/25/1868 Ingalls	05/25/1868 Ingalls	05/25/1868 Ingalls
North Channel (#)/Width (Chains)		1/2.63 p. 67; Book 1480	1/3.75 p. 428; Book 1			1/4.25 p. 442-443; Book 1	1/6.06 p. 455; Book 1
South Channel(#)/Width (Chains)		1/6.83 p. 69; Book 1480	1/1.00 p. 428; Book 1	1/3.88 p. 439; Book 1	1/3.75 p. 441; Book 1		
North and South Channel Combined (#)/Width (Chains)	1/9.70 p. 65; Book 1257						
Slough(#)/Width (Chains)							
Old River Bed (#)/Width (Chains)	1/5.00 p.65; Book 1257/Plat Map						
Irrigation Ditch (#)/Width (Chains)							
North Channel Depth		Use of triangulation method to measure width. Implies water was too deep to cross. [1] p. 67; Book 1480	Use of triangulation method to measure width. Implies water was too deep to cross. [1] pp. 428-429; Book 1			Use of triangulation method to measure width. Implies water was too deep to cross. [1] p. 442-443; Book 1	Use of triangulation method to measure width. Implies water was too deep to cross. [1] p. 454-455; Book 1
South Channel Depth		Use of triangulation method to measure width. Implies water was too deep to cross. [1] pp. 69-70; Book 1480	Does not indicate triangulation method was used. p. 428; Book 1	Use of triangulation method to measure width. Implies water was too deep to cross. [1] p. 439; Book 1	Use of triangulation method to measure width. Implies water was too deep to cross. [1] p. 441; Book 1		
North and South Channel Combined Depth	Use of triangulation method to measure width. Implies water was too deep to cross. [1] pp. 64-65; Book 1257						
Slough Depth (s)							
Old River Bed Depth	Does not indicate triangulation method was used. p. 65; Book 1257						
Irrigation Ditch Depth							
North Channel Flow Rate			Rapid current- runs west. p. 428; Book 1				To right bank of north channel of Salt River- rapid current runs SW. p. 454; Book 1
South Channel Flow Rate			Rapid current –runs west. p. 428; Book 1	Rapid current – and runs SW. p. 439; Book 1			
North and South Channel Combined Flow Rate	Low sandy bank and rapid current… p. 64; Book 1257						
Slough Flow Rate							
Old River Bed Flow Rate							
North Channel Description		Land level- near river very sandy. Soil 2nd rate. Timber cottonwood along river bank. Greasewood & sage brush and some willows. p. 68; Book 1480	Bet rivers land unfit for cultivation. North of channel soil 2nd rate. See plat map.		Bet rivers land unfit for cultivation. See plat map.	The cor secs 26, 27, 34 & 35. Land east of river soil 1st rate. Remainder sandy and subject to inundation. p. 442 To above flag on right bank of north channel of Salt River – sandy banks and ___ and runs west. p. 443; Book 1	Bet rivers land unfit for cultivation. See plat map.
South Channel Description		Land level – sandy- the portion between the two channels being subject to inundation 2 or 3 feet. The river evidently at times of very high water sweeps over the entire bottom from the north to the south channel of Salt River. Timber cottonwood & willows. Greasewood brush and some arrow weed near bank of River. p. 70; Book 1480	Bet rivers land unfit for cultivation. See plat map. The cor to secs 25, 26, 30, 36…land level bottom. Soil 1st rate. Greasewood and sage brush pp. 427-428; Book 1.	Sandy banks and bed. P. 439. Land south 20.00 chn level bottom 1st rate. Remainder sandy and unfit for cultivation and subject to inundation from 1 to 3 feet. p. 440; Book 1			
North and South Channel Combined Description	Low sandy bank and rapid current – runs west (Note: It is fordable about a mile above this ___ during nine months of the year). p. 64; Book 1257						
Slough Description							
Old River Bed Description	Enter sandy bottom of the old bed of Salt River – course west. p. 65; Book 1257						
General Description Book 1		This Township contains a large quantity of good arable land mostly 1st & 2nd rate. It is generally level. Salt River runs through the SE part- entering it on East boundary of sec 25 & flowing through secs 26, 34 & 35. Its banks are generally low and sandy and it often shifts its bed during a very high stage of its waters. It affords many facilities for irrigating the surrounding country. The Wickenberg and Fort McDowell Road passes through the Township near the centre and bears nearly east & west. There is no timber except mesquite and palo verde which affords excellent material for fuel. P. 494; Book 1					
General Description Book 1257		No overall general description.					
General Description Book 1480		No overall general description.					

[1] Per John Nebrich, if the triangulation method was used to determine channel width then the water was too deep to cross and a boat or raft was used. If the surveyor could have walked across the river he would have dragged the chain.

N = North; E= East; NT = North Township Line; ET =East Township Line.

	T/R	Sections						
	2N, 6E/7E (NT) Sections 13/18	**(N) 13/14**	**(N) 22/23**	**(E) 14/23**	**(N) 27/28**	**(E) 22/27**	**(N) 28/29**	**(N) 29/30**
Survey Dates/Surveyor	05/26/1868 Ingalls	06/11/1868 Ingalls	06/11/1868 Ingalls	06/11/1868 Ingalls	06/08/1868 Ingalls	06/11/1868 Ingalls	06/11/1868 Ingalls	06/11/1868 Ingalls
North Channel (#)/Width (Chains)								1/2.00 p. 596; Book 1
South Channel(#)/Width (Chains)								1/11.28 p. 596; Book 1
North and South Channel Combined (#)/Width (Chains)	1/8.00 (about) p. 90; Book 1257	1/7.50 p. 565; Book 1	1/7.50 p. 571; Book 1	1/8.30 p. 572; Book 1	1/9.73 p. 577; Book 1	1/12.25 p. 579; Book 1	1/11.92 p. 586; Book 1	
Slough(#)/Width (Chains)								
Old River Bed (#)/Width (Chains)					1/4.00 p. 576; Book 1			
Irrigation Ditch (#)/Width (Chains)								1/2.00 p.595; Book 1
North Channel Depth								Does not use triangulation method to measure width. Water not too deep to prevent measuring across it on line. p. 596; Book 1
South Channel Depth								Use of triangulation method to measure width. Implies water was too deep to cross. [1] pp. 595-596; Book 1
North and South Channel Combined Depth	Does not indicate triangulation method was used. Indicates the width was estimated. Use of word "about.' The right bank is at the Fort of McDowell a high rocky mountain unfit for cultivation. p. 90; Book 1257	Does not indicate triangulation method was used. Indicates the width was estimated Uses the word "about." p. 565; Book 1	Use of triangulation method to measure width. Implies water was too deep to cross. [1] p. 570-571; Book 1	Use of triangulation method to measure width. Implies water was too deep to cross. [1] p. 572; Book 1	Use of triangulation method to measure width. Implies water was too deep to cross. [1] p. 577; Book 1	Use of triangulation method to measure width. Implies water was too deep to cross. [1] p. 578-579; Book 1	Use of triangulation method to measure width. Implies water was too deep to cross. [1] p. 586; Book 1	
Slough Depth (s)								
Old River Bed Depth					Does not indicate triangulation method was used. p. 576; Book 1			
Irrigation Ditch Depth								Does not indicate triangulation method was used. p. 595; Book 1
North Channel Flow Rate								
South Channel Flow Rate								Rapid current and runs west. p. 595; Book 1
North and South Channel Combined Flow Rate	Rocky banks, rapid current and runs west. p.89; Book 1257	Rapid current runs west. p. 565; Book 1	Rapid current runs SW. p. 570; Book 1	Rapid current runs SW. p. 572; Book 1	Rapid current runs SW. p. 577; Book 1	Rapid current runs SW. p. 578; Book 1	Rapid current and runs west. p. 586; Book 1	
Slough Flow Rate								
Old River Bed Flow Rate								
North Channel Description								Runs SW. p. 596; Book 1 Bet rivers level. See plat map. Cor to secs 19, 20, 29, 30 …Land level. Soil 1st & 2nd rates. Cottonwood, willows, greasewood, mesquite and sage brush. p. 597; Book 1
South Channel Description								Low sandy banks. p. 595; Book 1 Bet rivers level. See plat map.
North and South Channel Combined Description	…wide rocky banks, rapid current and runs west. The right bank is on the Fort of McDowell a high rocky mountain unfit for cultivation. (Note-: Rio Verde runs South and empties into Salt River about a mile above this point. p. 89; Book 1257	High rocky banks. p. 565 The land __ advance being mountainous and unfit for cultivation. p. 565; Book 1	High rocky banks. p. 570; Book 1	High rocky banks. p. 572; Book 1 Soil 2nd & 3rd rate. see plat map.	Sandy banks. p.577; Book 1 Soil 1st & 2nd rate north of channel. See plat map. Cor to secs 21,22,27,28 Land level bottom. Soil 1st & 2nd rates. Cottonwood, mesquite and greasewood. p. 578; Book 1	High banks. p. 578; Book 1 Cor to secs 21,22,27,28 – land level. Soil 2nd rate. Cottonwood, mesquite, greasewood and cactus. p. 580; Book 1	High banks. p. 586; Book 1	
Slough Description								
Old River Bed Description					Runs SW. p. 576; Book 1			Bears E & W. p. 595; Book 1
General Description; Book 1	This Township is made fractional on the north by high mountains unfit for cultivation. The uplands are generally rolling, 2nd & 3rd rate and is situated on both sides of Salt River. A fine stream of pure water running in a westerly direction through the middle of the Township. It is fordable during six or seven months of the year in sec 29 at the crossing of the Fort McDowell & Maricopa Wells Road. Timber Cottonwood and willows on both banks of Salt River, also some scattering mesquite, palo verde and greasewood upon the high land. p. 605.							
General Description; Book 1257	No overall general description.							

[1] Per John Nebrich, if the triangulation method was used to determine channel width then the water was too deep to cross and a boat or raft was used. If the surveyor could have walked across the river he would have dragged the chain. N = North; E= East; NT= North Township Line.