



January 23, 2018

Ms. Linda Bassi
Mr. Jeff Baessler
Colorado Water Conservation Board
1313 Sherman Street
Denver, CO 80203

Dear Ms. Bassi and Mr. Baessler,

High Country Conservation Advocates (HCCA) submits this instream flow recommendation for Gold Creek, located in Gunnison County, Water Division 4.

HCCA's mission is to protect the health and natural beauty of the land, rivers, and wildlife in and around Gunnison County. Many of our members live and work here and enjoy recreational opportunities and a quality of life that is preserved by our valley's wildlife, habitat, and water resources. HCCA's 26 year old water program has a long history of protecting waters in the Upper Gunnison Basin and in developing an environmental voice within key regional and state forums. In recent years, HCCA has partnered with the Bureau of Land Management to support instream flow proposals on the Slate River and Oh-Be-Joyful Creek. In 2016 HCCA submitted proposals to protect updated instream flows for Coal Creek and Brush Creek. HCCA partnered with Western Resource Advocates in 2017 to submit an instream flow proposal on Dutchman Creek.

The headwaters of Gold Creek originate on United States Forest Service (USFS) lands in Gunnison County and in the Fossil Ridge Wilderness area. The Gold Creek riparian area is diverse, consisting of mixed pine forest near the headwaters, willows and alders in the middle segment, and irrigated hay meadows near the confluence with Quartz Creek. Gold Creek hosts a robust fishery. Stream sampling conducted by Colorado Parks and Wildlife in 2001 recorded a healthy population of brook trout. Alpine Environmental Consultants saw brook trout during sampling in October 2017.

Gold Creek has an existing instream flow protection of 7 cfs with a 3/17/1980 priority date. This segment stretches 9.84 miles from the headwaters of Gold Creek to the Tarkington Ditch

headgate. Currently there is no instream flow protection from the Tarkington Ditch to the confluence with Quartz Creek.

This proposal seeks to increase the summer instream flow right on Gold Creek and proposes a new instream flow right for lower Gold Creek (Tarkington Ditch to Quartz Creek). HCCA has coordinated with local consultants to arrive at a preliminary flow recommendation that would reasonably protect the health of the Gold Creek natural environment. In considering this application, the Colorado Water Conservation Board (CWCB) has an opportunity to protect an important stream ecosystem.

Enclosed you will find copies of data sheets from Colorado Parks and Wildlife reflecting the Gold Creek aquatic environment. We have attached R2CROSS modeling runs, stream photos, and maps of the relevant reach. If you have any further questions regarding this recommendation, please feel free to contact Julie Nania at (509) 999-0012.

HCCA thanks Colorado Parks and Wildlife and the CWCB for their support in developing this recommendation.

Sincerely,



Julie Nania
High Country Conservation Advocates
Water Director

Enclosure

ENCLOSURE - INSTREAM FLOW RECOMMENDATION FOR GOLD CREEK

Below is a description of the proposed instream flow. Additional details can be found in Attachments A-F.

Location

Gold Creek is located within the Gold Creek watershed (HUC 12# 140200030303) in Gunnison County, Water Division 4. The headwaters originate near Fairview Peak, the south end of Cross Mountain, and Gunsight Pass. The creek runs in a general south-southwest direction until it joins Quartz Creek. The Gold Creek watershed (headwaters to Quartz Creek) is 30.2 square miles. The Gold Creek watershed is on the following United States Geologic Survey quad maps: Pitkin and Fairview Peak. These maps are attached as Attachment E.

The existing instream flow right on Gold Creek begins at the headwaters and ends at Tarkington Ditch near Ohio City, with a total length of 9.84 miles. The proposed instream flow appropriation for lower Gold Creek is 0.47 miles and begins at Tarkington Ditch and extends to the confluence with Quartz Creek. Table 1 summarizes the land ownership on each stream segment.

Table 1. Land Status

Instream Flow Reach	Upper Terminus	Lower Terminus	Total Length (miles)	Land Ownership	
				Private (%)	Public (%)
Gold Creek (Appropriation Date 3/17/1980)	Headwaters	Headgate Tarkington Ditch	9.84	Riparian Corridor 15%	Riparian Corridor 85% USFS
				Watershed Composition 16%	Watershed Composition 84% USFS
Lower Gold Creek (No existing ISF)	Headgate Tarkington Ditch	Confluence with Quartz Creek	0.47	Riparian Corridor 100%	Riparian Corridor 0% USFS
				Watershed Composition 16%	Watershed Composition 84% USFS

The Gold Creek riparian corridor on the existing instream flow reach is primarily managed by the USFS. The Lower Gold Creek riparian corridor is entirely on private land. The Gold Creek watershed (headwaters to Quartz Creek) is approximately 16% private and 84% public lands.

Existing Instream Flow Right

The Colorado Water Conservation Board holds an existing instream flow right for 7 cfs year-round, from the headwaters of Gold Creek to the Tarkington headgate. This instream flow right has an appropriation date of 3/17/1980. This proposal seeks to create a seasonal instream flow right and increase the existing summer instream flow right to 11 cfs. There is no changed proposed for the winter instream flow right on upper Gold Creek.

There is no existing instream flow right on lower Gold Creek from the Tarkington Headgate to the confluence with Quartz Creek. This proposal seeks to create a new winter instream flow right on this reach of 7 cfs. HCCA is also proposing to create a summer instream flow right on Lower Gold Creek of up to 11 cfs. HCCA intends to work with the Natural Streams and Lakes Protection Unit to determine whether this amount is legally available on this segment.

Water Availability

Physical Availability

There is no gage on Gold Creek. To assess physical availability HCCA relied on R2Cross assessments and StreamStats. StreamStats is an online program developed by the USGS in collaboration with the CWCB. StreamStats uses a regionally specific regression equation based on nearby active and historical stream gages to estimate stream flows at user-selected locations.

R2Cross results support an increased summer instream flow of 11 cfs on upper Gold Creek (i.e. meets 3 of 3 criteria). StreamStats predicted a mean monthly flow of 111 cfs in June for Gold Creek at the confluence with Quartz Creek. StreamStats modeling suggests there is water available to satisfy the proposed summer increase of an additional 4 cfs to bring the total instream flow right to 11 cfs.

R2Cross results collected by Alpine Environmental Consultants and by the CWCB for the original instream flow appropriation on Gold Creek indicate 7 cfs is an appropriate instream flow rate for winter (i.e. 2 of 3 criteria were met).

Legal Availability

Diversions on upper Gold Creek and lower Gold Creek are shown on the attached maps (Attachments A and B). Attachment F identifies major water rights on Gold Creek that may impact availability and CDSS records of all water rights on Gold Creek.

HCCA will work with the Natural Streams and Lake Protection Unit to verify whether or not there is sufficient water legally available to create a new instream flow protection from the Tarkington headgate to the confluence of Gold Creek with Quartz Creek.

Biological Summary

Gold Creek is a coldwater, high gradient stream located in Gunnison County, Colorado. The stream substrate ranges from small gravels to medium boulders. There is a mixture of riffles and small pools that provide quality habitat for fish and other aquatic life.

Gold Creek supports a healthy aquatic ecosystem. Sampling conducted by Colorado Parks and Wildlife in 2001 identified a healthy brook trout population. Results from the 2001 stream sampling even are included as Attachment C. An abundance of fish of differing sizes was observed by the proponent and Alpine Environmental Consultants during field reconnaissance and sampling in 2017.

In addition to supporting a healthy aquatic ecosystem, flows in Gold Creek support a robust riparian area. The riparian community is substantial. It is primarily pine/spruce forest near the headwaters of the creek. The riparian area along the middle section of the creek is primarily composed of willow and alder. A mixture of willows and irrigated pasture prevail towards the bottom of the creek, near Ohio City and the confluence with Quartz Creek. The riparian zone is in good condition and provides shade and cover for the extant fish community. There are both active and abandoned beaver ponds at several locations alongside the creek.

Preliminary R2CROSS Analysis

HCCA has relied on the expertise of Alpine Environmental Consultants to interpret output from the R2CROSS model and develop an instream flow recommendation that will protect Gold Creek's natural environment to a reasonable degree.

Alpine Environmental Consultants completed R2CROSS field survey on October 4, 2017 on Upper Gold Creek. R2CROSS analysis and interpretation were completed following fieldwork. These data were used to create instream flow recommendations for Gold Creek (Table 2). R2CROSS analysis outputs are attached for review (Attachment D).

Based on analysis of R2CROSS results (Table 2; and Attachment D), 11 cfs is recommended to satisfy the protection of biotic resources during summer months on upper Gold Creek. This flow satisfies all three of the required hydrologic criteria.

Based on analysis of R2CROSS results (Table 2; and Attachment D), 7 cfs is recommended to satisfy the protection of biotic resources during winter months on upper and lower Gold Creek. This flow satisfies two of three of the required hydrologic criteria.

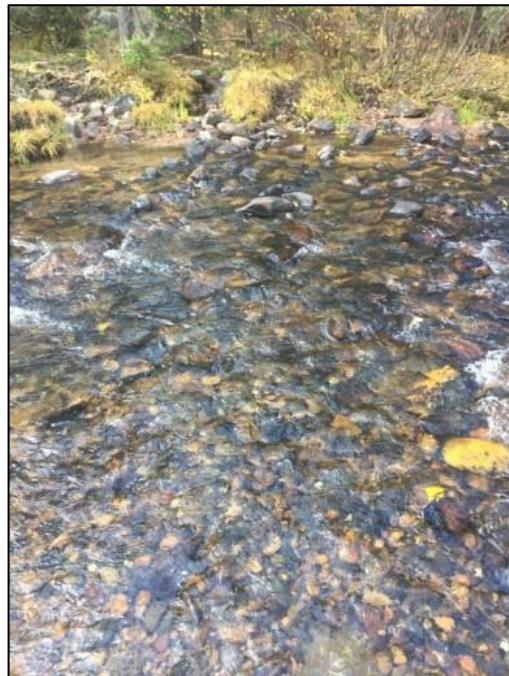
Table 2. R2CROSS analysis summary and preliminary instream flow recommendations.

Cross Section (Date)	Measured Discharge (cfs)	Bankfull Top Width ¹ (ft)	Winter Flow Recommendation (cfs)	Summer Flow Recommendation (cfs)
Upper Gold Creek (10/4/17)	7.37	36.0	7.0 (no change to existing ISF right) ²	11.0 (May 1 st - July 31 st)
Lower Gold Creek (N/A- relied on 10/4 cross section)	-	-	7.0 (Aug. 1 st - Apr. 31 st)	X, based on legal availability (May 1 st - July 31 st)

- 1) The bankfull top width (36.0') was used to establish an average depth criterion of 0.36'; which is within the range (0.2-0.4'; R2CROSS Protocol Table 2) for bankfull widths between 21-40'.
- 2) The 10/4/17 R2CROSS results yielded a 7.3 cfs winter flow recommendation, which corroborates the existing ISF right on Upper Gold Creek. HCCA will work with the Natural Streams and Lakes Protection Unit to determine water availability and make a final recommendation.

Photographs

Photographs 1 and 2 show Gold Creek near the top of the reach.



The photograph below shows fish in the pool above the location where R2Cross was conducted.



Relationship to Existing State Policy

HCCA is proposing this instream flow to the CWCB in furtherance of the State of Colorado's policy "that the wildlife and their environment are to be protected, preserved enhanced, and managed for the use, benefit, and enjoyment of the people of this state and its visitors... and that, to carry out such program and policy, there shall be a continuous operation of planning, acquisition, and development of wildlife habitats and facilities for wildlife-related opportunities." C.R.S. 33-1-101(1).

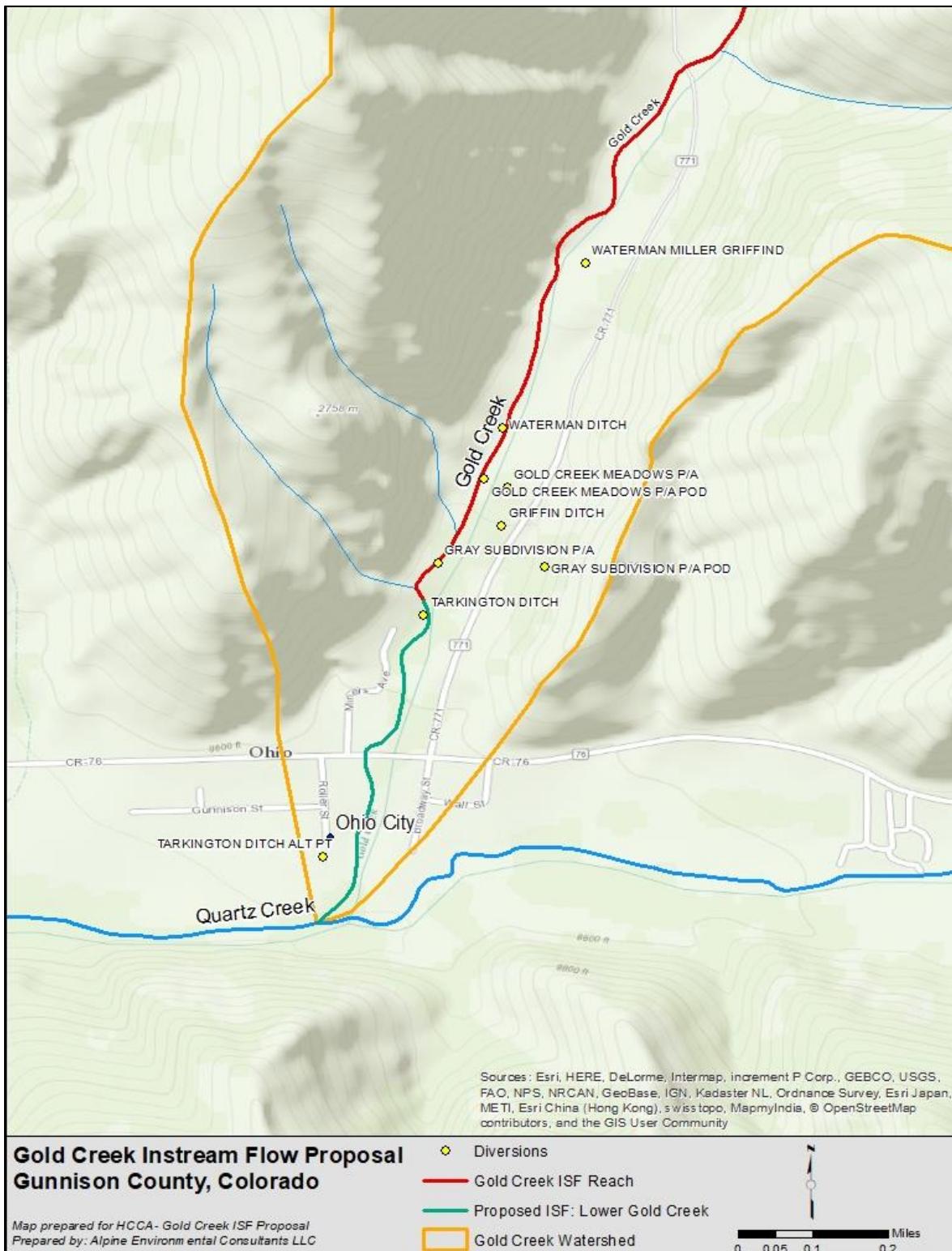
Attachments:

- A – Gold Creek Watershed Map
- B – Lower Gold Creek Map
- C – Biological Data
- D – R2CROSS Analysis
- E – Physical Availability
- F – Water Rights Inventory
- G – USGS Topographic Quadrangle Maps

Attachment A- Gold Creek Watershed Map



Attachment B- Lower Gold Creek Map



Attachment C- Biological Data

<u>CalYear</u>	<u>SurveyID</u>	<u>Region</u>	<u>Drainage</u>	<u>WaterType</u>	<u>WaterId</u>	<u>WaterName</u>	<u>StationID</u>	<u>Station</u>
2001	8656	Southwest	Gunnison River	Stream	40369	Gold Creek	4079	GU1366
2001	8140	Southwest	Gunnison River	Stream	40369	Gold Creek	4078	GU1365

Attachment D- R2CROSS Analysis

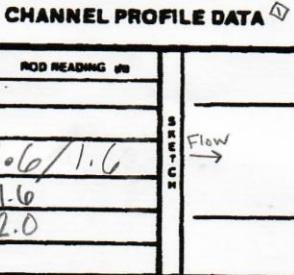
Photograph 1 shows Gold Creek looking downstream from the R2Cross location.



Photograph 2 shows Gold Creek looking upstream from the R2Cross location.



Figure B. Field data input sheet (Front Page)

		FIELD DATA FOR INSTREAM FLOW DETERMINATIONS															
COLORADO WATER CONSERVATION BOARD		LOCATION INFORMATION															
STREAM NAME: Upper Gold Creek								CROSS-SECTION NO.: 41									
CROSS-SECTION LOCATION: Upper Gold Creek approx. 1 mile downstream of Confluence w/ Lampheir Creek																	
DATE: 10/4/17	OBSERVER: Ashley Bembeneck, Julie Nania																
LEGAL DESCRIPTION: COUNTY:	% SECTION:	SECTION:	TOWNSHIP:	N/S:	RANGE:	E/W:	PL:										
WATERSHED: Quartz Creek	WATER DIVISION: 4			DOW WATER CODE:													
MAPS: USGS:																	
USFS:																	
SUPPLEMENTAL DATA																	
SAG TAPE SECTION SAME AS DISCHARGE SECTION: YES / NO	METER TYPE: Hach FH 950																
METER NUMBER:	DATE RATED:	CALIB/SPIN:	SEC	TAPE WEIGHT	Per/Sec	TAPE TENSION	Sec										
CHANNEL BED MATERIAL SIZE RANGE: gravel, cobble, boulder		PHOTOGRAPHS TAKEN: YES/NO			NUMBER OF PHOTOGRAPHS: 20												
CHANNEL PROFILE DATA 																	
LEW																	
STATION	DISTANCE FROM TAPE: 00	ROD READING: 00	S P E C T R U M						LEGEND:								
(X) Tape & Stake LB	0.0								Stake (X)								
(X) Tape & Stake RB	0.0								Stake (1)								
(1) WS & Tape LB/RB	0.0	1.6 / 1.6							Photo (diamond)								
(1) WS Upstream	5.5	1.6															
(1) WS Downstream	11.0	2.0															
SLOPE	0.4 / 16.5 = 0.0242							Direction of Flow									
AQUATIC SAMPLING SUMMARY																	
STREAM ELECTROFISHED YES/NO	DISTANCE ELECTROFISHED _____ m		FISH CAUGHT YES/NO		WATER CHEMISTRY SAMPLED YES/NO												
LENGTH - FREQUENCY DISTRIBUTION BY ONE-INCH SIZE GROUPS (1.0-1.9, 2.0-2.9, ETC.)																	
SPECIES/STILLING	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	>15	TOTAL
AQUATIC INSECTS IN STREAM SECTION BY COMMON OR SCIENTIFIC ORDER NAME																	
COMMENTS																	
<p>(1) Photos from left bank hillside - landscape view. (2) Photo from left bank about 40-50' upstream of stake bar. * We saw several fish during sampling; up to 8"-10" in size. Hawk flowmeter file name UPGold</p>																	
UPSTREAM view from grassy gravel bar.																	
FORM #ISF FD 1-85																	

WQ Measurements

Cokton PC 450 calibrated on 10/3/17

Spc: 113.6 µS/cm

Temp: 49 °C

pH: 7.89

Figure C. Field data input sheet (Back Page)

DISCHARGE/CROSS SECTION NOTES												
STREAM NAME: UPPER GOLD CREEK				CROSS-SECTION NO. 1	DATE 10/14/17	SHEET 1 OF 2						
BEGINNING OF MEASUREMENT		EDGE OF WATER LOOKING DOWNSTREAM (0.0 AT STAKE)		LEFT / RIGHT	Gage Reading.	TIME 12:00						
Features	Stake	Distance	Width	Total Vertical Depth from Top of Stake (ft)	Water Depth (ft)	Depth of Cross-section (ft)	Revolutions	Time (sec)	Velocity (ft/sec)		Area (ft ²)	Discharge (cfs)
	Stake	From Stake	Width ft	ft	D	ft	ft		At Point	Mean in Vertical Fts		
	1	2.0		.5	N/A							
	2	2.5		.55	N/A							
	3	3		.5	—							
	3.5	3.5		.6	—							
	4	4		.6	—							
	4.5	4.5		.65	—							
	5	5		.7	—							
	5.5	5.5		1.2	—							
	6	6		1.3	—							
	Rock	6.5		1.35	—							
	Rock	7		1.25	—							
	W	7.4		1.75	0							
		7.5		1.9	0.15							-0.02
	Rock	8		1.6	0							0
		8.5		1.95	.25							-0.09
		9		1.9	.25							0.09
		9.5		1.8	.2							0.142
		10		1.95	.2							0.12
		10.5		1.95	0.3							0.41
		11		1.9	0.35							0.41
		11.5		1.9	0.3							0.18
		12		1.95	0.35							0.12
	Rock	12.5		7	.35							0.01
		13		1.95	.35							0.47
		13.5		8.1	.5							0-65
	Rock	14		1.7	.15							.98
	10 ↑	15.1		1.95	.35							1.52 flow between rock
		15.7		1.9	.3							0.79
	eddy	17		1.85	.25							0.01
		17.7		2	0.4							0.411
		18		1.95	0.4							1.05
		18.5		1.95	0.4							1
		19		2	.5							1.32
		19.6		2.1	.55							1.36
		20		2.1	.5							1.05
		20.5		1.95	0.4							1.11
		21		2	.45							1.84
		21.5		2.15	.6							0.47
		22		2.15	.7							1.85
		22.5		2.1	.65							1.608
		23		2.15	.6							1.40
		23.5		2.15	.55							0.53
	TOTALS											
End of Measurement	TIME: 14:45	Gage Reading	NA "	CALCULATIONS PERFORMED BY: ATBHN				CALCULATIONS CHECKED BY:				

↳ After pebble count.

-9- See additional sheet

UPPER Gold Continued

Figure C. Field data input sheet (Back Page)

DISCHARGE/CROSS SECTION NOTES												
STREAM NAME: _____					CROSS-SECTION NO. _____	DATE _____						
BEGINNING OF MEASUREMENT		EDGE OF WATER LOOKING DOWNSTREAM ENDS AT STAKE		LEFT / RIGHT	Gage Reading: _____ ft	TIME						
Feature	Station Crossing Point Number _____	Diameter Feet _____ inches _____ mm _____	Width (ft)	Total Vertical Distance Tape Read (ft)	Water Depth (ft)	Depth of Observation (ft)	Revolutions	Time (sec)	Velocity (ft/sec)		Avg gpm _____	Discharge (ft³/s) _____
	24		2.1	.55								0.65
	24.5		2	.45								0.89
	25		2	.45								0.77
	25.5		2.05	.5								1.18
	26		2.05	.5								0.78
	26.5		2	.4								0.89
	27		2	.4								0.78
	27.5		2.1	.35								0.67
	28		2	.35								0.91
	28.5		2	.35								0.56
	29		1.95	.13								1.07
	29.4		1.9	.25								1.32
W	30.5		1.6	0								
	31		1	—								
	31.6		.9	—								
	32		.9	—								
	32.5		.9	—								
	33		.9	—								
	33.5		.85	—								
	34		.95	—								
	34.5		1.05	—								
	35		1.1	—								
	35.5		1.1	—								
G	36		1.2	—								
	36.5		1.25	—								
	37		1.2	—								
	37.5		13.5IN	—								
	38		7 IN	—								
	38.5		5 IN	—								
	39		8 IN	—								
	39.5		7 IN	—								
	40		5 IN	—								
	40.5		5 IN	—								
	41.5		2.5 IN	—								
TOTALS												
End of Measurement	Time: 4:45	Gage Reading	ft		CALCULATIONS PERFORMED BY:				CALCULATIONS CHECKED BY:			

too shallow
to measure

Hummocks
Side
chan

switched
to ruler
convert from
inches to
tenths of
a foot

-9-

7.36 cfs
QA/QC looks
good. No verticals > 10%

~~(X)~~ recording in cms

Riffle Pebble Count Actual Measurements (mm)

Upper Gold Creek 10/14/17 13:45 AJB (Picker) JN (scribe).

1	F	26	20 (L)	51	9.6 Bugs (E)	76	16.5 (E)
2	5.4 (L)	27	19.6 (E)	52	2.2 (L)	77	20 (E)
3	6 (L)	28	3.4 (L)	53	2.8 (L)	78	5.5 (L)
4	4.2 (L)	29	16.4 (L)	54	2 (L)	79	7.5 (L)
5	2.4 (L)	30	8 (E)	55	2 (L)	80	3 (L)
6	3.6 (L)	31	17.2 (L)	56	6 (E)	81	2 (L)
7	2.4 (L)	32	25 (L)	57	6.6 (L)	82	13.5 (L) ^{T5}
8	6 (L)	33	14 (L)	58	9 (L) ^{Bugs}	83	12 (E)
9	6.8 (L)	34	6 (L)	59	19 (L)	84	7.5 (L)
10	4.6 (L)	35	4.2 (L)	60	7 (E)	85	14 (E)
11	4.8 (L)	36	24 (L)	61	19 (E)	86	21 (E)
12	17.4 (E)	37	14.6 (E)	62	6.5 (E) ^{Bugs}	87	11 (E)
13	13 (L)	38	6 (L)	63	7.8 (E)	88	10 (L)
14	3 (L)	39	2.2 (L)	64	14 (L)	89	16.5 (E)
15	7 (L)	40	6.6 (L)	65	2.6 (L)	90	7 (E)
16	31.8 (E)	41	1.6 (L)	66	2.4 (E)	91	3.5 (L)
17	F	42	2 (L)	67	F	92	3.4 (L)
18	1.4 (L)	43	10.8 (E) ^{T3}	68	11 (E) ^{T4}	93	3 (L) ^{T6}
19	26 (E)	44	5 (L)	69	6.6 (E)	94	4.8 (L)
20	2 (L)	45	17 (E)	70	6 (L)	95	7.8 (E)
21	28 (E)	46	2 (L)	71	10.4 (L)	96	3.8 (L)
22	F	47	2.2 (E)	72	18 (E)	97	4.8 (L)
23	3 (L)	48	12.5 (L) ^{Bugs}	73	11 (L)	98	21 (E)
24	3.4 (L)	49	12.8 (E) ^{Bugs}	74	15 (E)	99	6.4 (L)
25	3.5 (E)	50	24.4 (E)	75	3.6 (E)	100	11 (L)

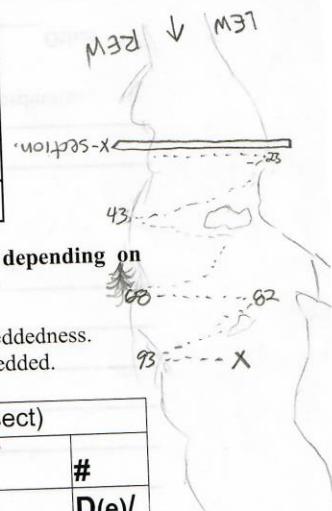
Please be sure to measure at least 100 pebbles (10 in 10 transects or 5 in 20 transects- depending on stream size, for accurate distributional representation.

EMBEDDEDNESS:

If intermediate particle axis is less than 32 mm chose the nearest cobble for embeddedness.
If no cobble >32 mm is present without taking a step, record 100% embedded.

Random pebble for Percent Embeddedness (one per transect)										
5	7	10	9	3	8	5	2	1	7	#
										D(e)/ D(t)

D(e) = embedded depth; D(t) = total depth



STREAM NAME: Upper Gold Creek
 XS LOCATION: Upper Gold Creek approx. 1 mile DS of confluence with Lampheir Creek
 XS NUMBER: ONE Thorne-Zevenbergen D84 Correction Applied

Estimated D84 =

1.23

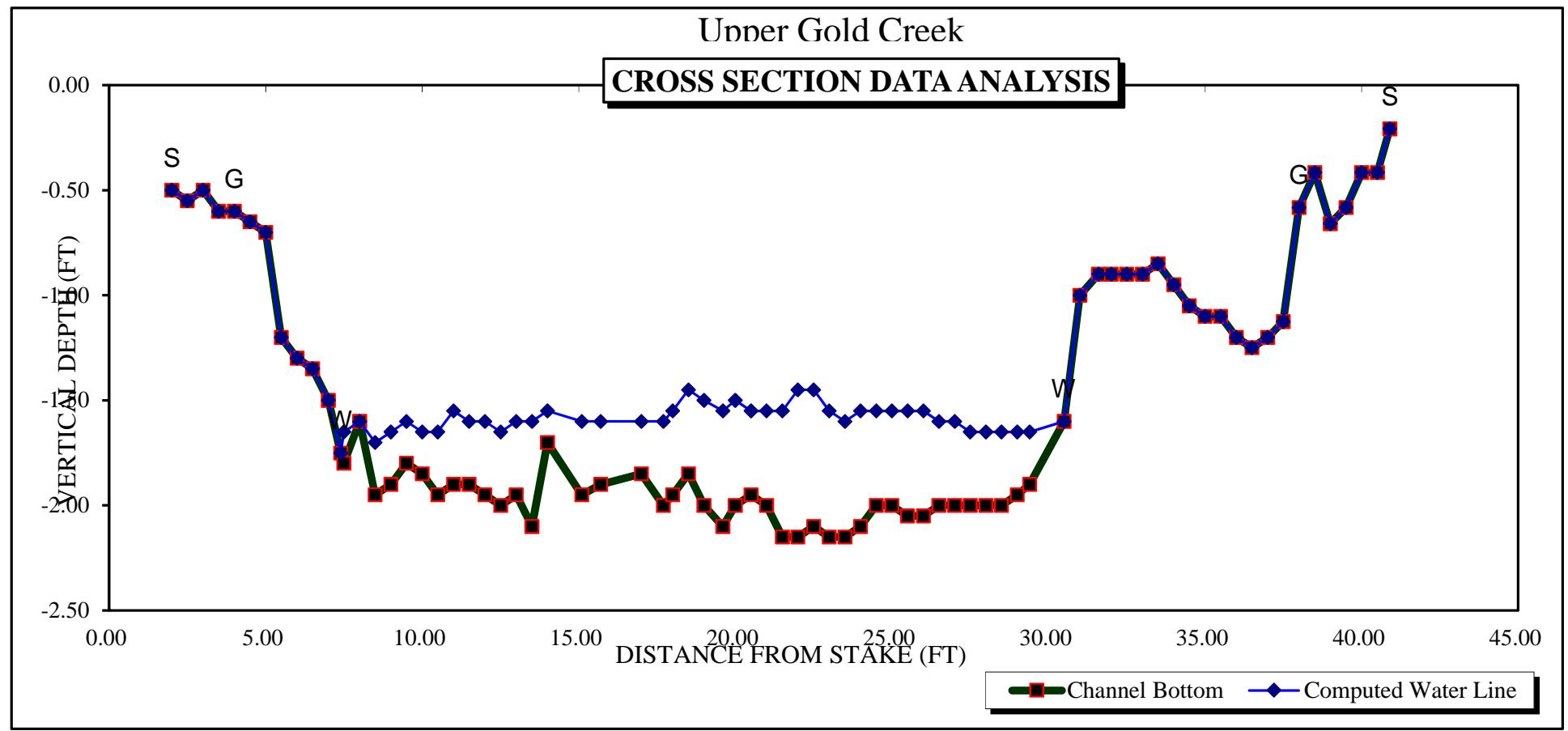
GL = lowest Grassline elevation corrected for sag

STAGING TABLE

WL = Waterline corrected for variations in field measured water surface elevations and sag

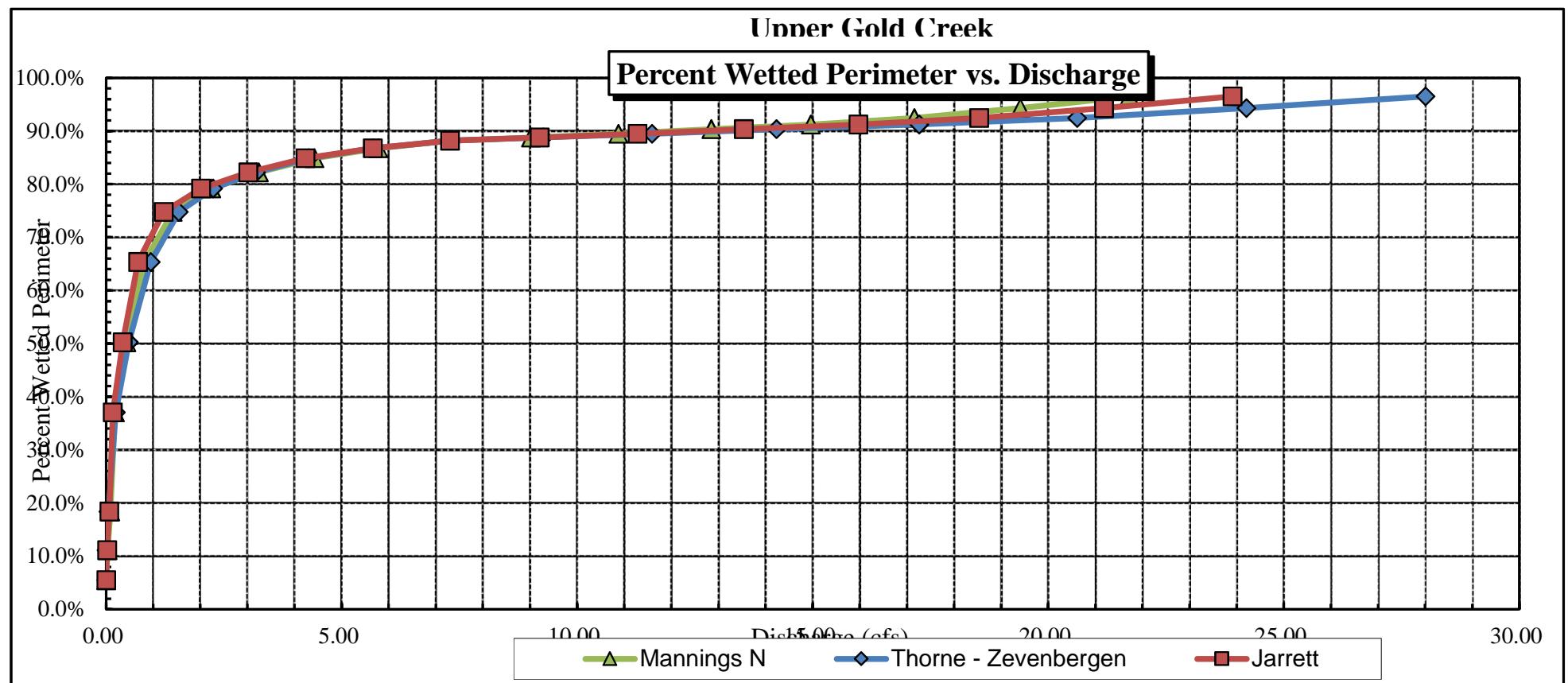
Velocity based on test of R/D84>1

	DIST TO WATER (FT)	TOP WIDTH (FT)	AVG. DEPTH (FT)	MAX. DEPTH (FT)	AREA (SQ FT)	WETTED PERIM. (FT)	PERCENT WET PERIM (%)	HYDR RADIUS (FT)	FLOW (CFS)	AVG. VELOCITY (FT/SEC)
GL	1.20	26.33	0.68	0.95	17.83	27.19	100.0%	0.66	30.22	1.70
	1.24	25.41	0.67	0.91	16.91	26.24	96.5%	0.64	28.01	1.66
	1.29	24.83	0.63	0.86	15.66	25.63	94.3%	0.61	24.20	1.55
	1.34	24.36	0.59	0.81	14.42	25.14	92.5%	0.57	20.61	1.43
	1.39	24.06	0.55	0.76	13.21	24.81	91.2%	0.53	17.26	1.31
	1.44	23.85	0.50	0.71	12.02	24.57	90.4%	0.49	14.23	1.18
	1.49	23.64	0.46	0.66	10.83	24.33	89.5%	0.45	11.59	1.07
	1.54	23.50	0.41	0.61	9.65	24.14	88.8%	0.40	9.28	0.96
WL	1.59	23.37	0.36	0.56	8.48	23.99	88.2%	0.35	7.30	0.86
	1.64	23.01	0.32	0.51	7.32	23.58	86.7%	0.31	5.67	0.77
	1.69	22.55	0.27	0.46	6.18	23.07	84.9%	0.27	4.31	0.70
	1.74	21.89	0.23	0.41	5.07	22.35	82.2%	0.23	3.19	0.63
	1.79	21.13	0.19	0.36	3.99	21.52	79.2%	0.19	2.27	0.57
	1.84	20.00	0.15	0.31	2.96	20.33	74.8%	0.15	1.54	0.52
	1.89	17.50	0.12	0.26	2.01	17.76	65.3%	0.11	0.94	0.47
	1.94	13.46	0.09	0.21	1.24	13.65	50.2%	0.09	0.48	0.39
	1.99	9.94	0.07	0.16	0.66	10.07	37.0%	0.07	0.21	0.31
	2.04	4.93	0.06	0.11	0.32	5.00	18.4%	0.06	0.05	0.16
	2.09	2.99	0.04	0.06	0.13	3.02	11.1%	0.04	0.01	0.10
	2.14	1.48	0.01	0.01	0.02	1.48	5.4%	0.01	0.00	0.07



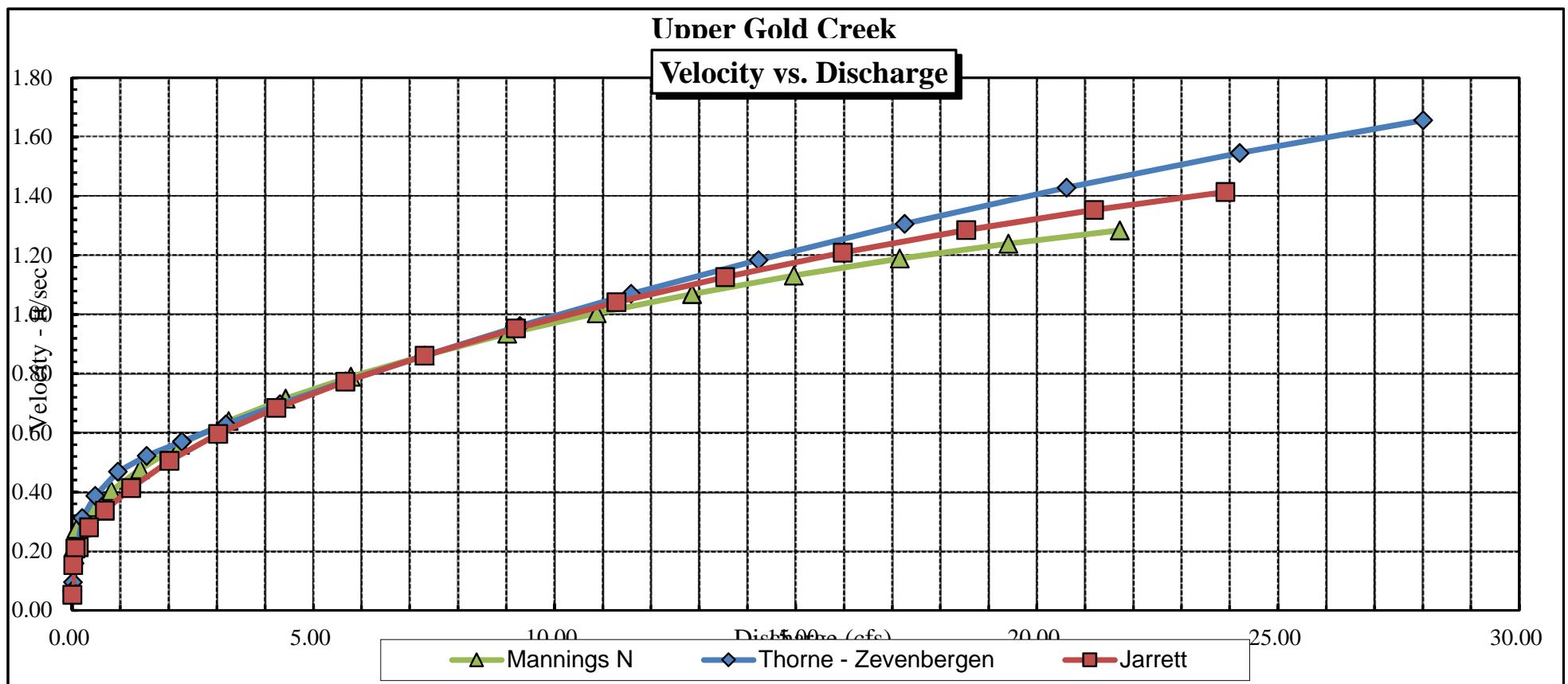
Upper Gold Creek

Percent Wetted Perimeter vs. Discharge



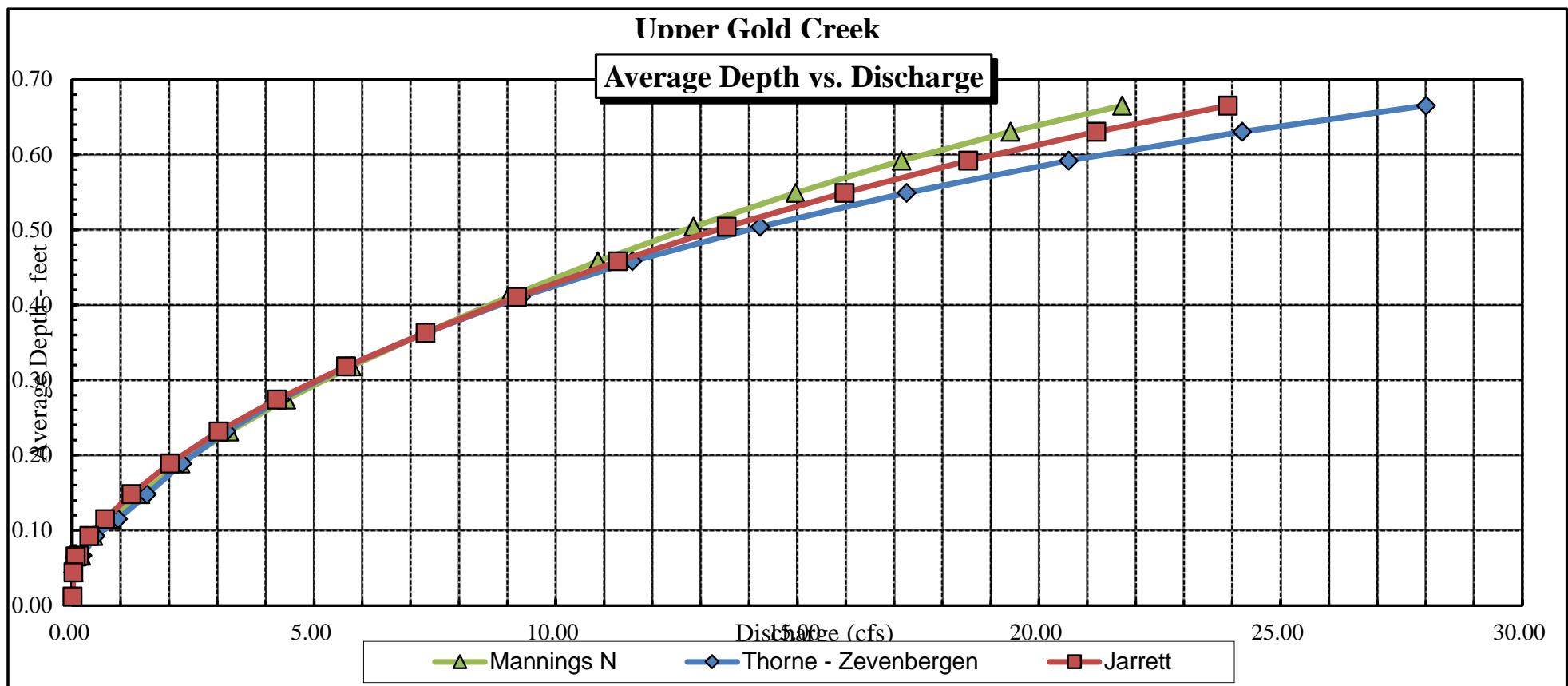
Upper Gold Creek

Velocity vs. Discharge



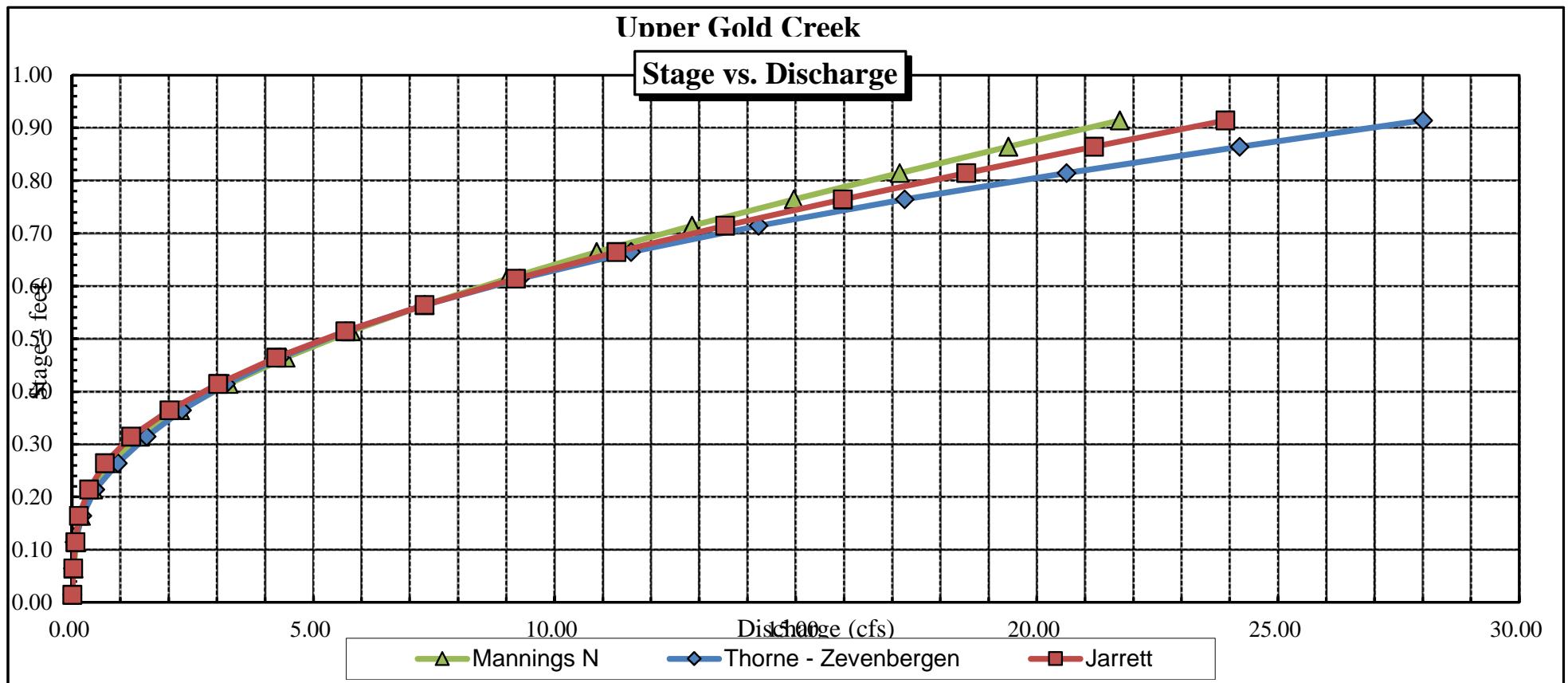
Upper Gold Creek

Average Depth vs. Discharge



Upper Gold Creek

Stage vs. Discharge



Attachment E - Physical Availability

StreamStats Report Gold Creek Watershed

Region ID: CO

Workspace ID: CO20180124180850375000

Clicked Point (Latitude, Longitude): 38.56525, -106.61274

Time: 2018-01-24 11:09:03 -0700



Report developed for Gold Creek Instream Flow Proposal on 1-24-18.

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	30.3	square miles
PRECIP	Mean Annual Precipitation	24.78	inches
ELEV	Mean Basin Elevation	10802	feet
BSLDEM10M	Mean basin slope computed from 10 m DEM	39.6	percent
EL7500	Percent of area above 7500 ft	100	percent
ELEVMAX	Maximum basin elevation	13200	feet

Flow-Duration Statistics Parameters [Mountain Region Flow Duration]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	30.3	square miles	1	1060
PRECIP	Mean Annual Precipitation	24.78	inches	18	47

Flow-Duration Statistics Flow Report [Mountain Region Flow Duration]

PII: Prediction Interval-Lower, Plu: Prediction Interval-Upper, SEp: Standard Error of Prediction, SE: Standard Error (other -- see report)

Statistic	Value	Unit	SEp
10 Percent Duration	59.3	ft^3/s	45
25 Percent Duration	17.3	ft^3/s	55
50 Percent Duration	6.9	ft^3/s	55
75 Percent Duration	3.96	ft^3/s	64
90 Percent Duration	2.43	ft^3/s	85

Flow-Duration Statistics Citations

Capesius, J.P., and Stephens, V. C.,2009, Regional Regression Equations for Estimation of Natural Streamflow Statistics in Colorado: U. S. Geological Survey Scientific Investigations Report 2009-5136, 32 p. (<http://pubs.usgs.gov/sir/2009/5136/>)

Flood-Volume Statistics Parameters [Mountain Region Max Flow]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	30.3	square miles	1	1060
PRECIP	Mean Annual Precipitation	24.78	inches	18	47

Flood-Volume Statistics Flow Report [Mountain Region Max Flow]

PII: Prediction Interval-Lower, Plu: Prediction Interval-Upper, SEp: Standard Error of Prediction, SE: Standard Error (other -- see report)

Statistic	Value	Unit	SEp
7 Day 2 Year Maximum	133	ft^3/s	46
7 Day 10 Year Maximum	229	ft^3/s	35
7 Day 50 Year Maximum	322	ft^3/s	31

Flood-Volume Statistics Citations

Capesius, J.P., and Stephens, V. C.,2009, Regional Regression Equations for Estimation of Natural Streamflow Statistics in Colorado: U. S. Geological Survey Scientific Investigations Report 2009-5136, 32 p. (<http://pubs.usgs.gov/sir/2009/5136/>)

Monthly Flow Statistics Parameters [Mountain Region Mean Flow]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	30.3	square miles	1	1060
PRECIP	Mean Annual Precipitation	24.78	inches	18	47

Monthly Flow Statistics Flow Report [Mountain Region Mean Flow]

PII: Prediction Interval-Lower, Plu: Prediction Interval-Upper, SEp: Standard Error of Prediction, SE: Standard Error (other -- see report)

Statistic	Value	Unit	SEp
January Mean Flow	4.51	ft^3/s	50
February Mean Flow	4.23	ft^3/s	51
March Mean Flow	4.79	ft^3/s	49
April Mean Flow	10.6	ft^3/s	44
May Mean Flow	63.1	ft^3/s	46
June Mean Flow	111	ft^3/s	46
July Mean Flow	35.7	ft^3/s	76
August Mean Flow	15.6	ft^3/s	80
September Mean Flow	9.96	ft^3/s	59
October Mean Flow	8.08	ft^3/s	45
November Mean Flow	6.21	ft^3/s	46
December Mean Flow	5.02	ft^3/s	47

Monthly Flow Statistics Citations

Capesius, J.P., and Stephens, V. C., 2009, Regional Regression Equations for Estimation of Natural Streamflow Statistics in Colorado: U. S. Geological Survey Scientific Investigations Report 2009-5136, 32 p. (<http://pubs.usgs.gov/sir/2009/5136/>)

Annual Flow Statistics Parameters [Mountain Region Mean Flow]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	30.3	square miles	1	1060
PRECIP	Mean Annual Precipitation	24.78	inches	18	47

Annual Flow Statistics Flow Report [Mountain Region Mean Flow]

PII: Prediction Interval-Lower, Plu: Prediction Interval-Upper, SEp: Standard Error of Prediction, SE: Standard Error (other -- see report)

Statistic	Value	Unit	SEp
Mean Annual Flow	23.9	ft^3/s	33

Annual Flow Statistics Citations

Capesius, J.P., and Stephens, V. C.,2009, Regional Regression Equations for Estimation of Natural Streamflow Statistics in Colorado: U. S. Geological Survey Scientific Investigations Report 2009-5136, 32 p. (<http://pubs.usgs.gov/sir/2009/5136/><http://pubs.usgs.gov/sir/2009/5136/>)

Low-Flow Statistics Parameters [Mountain Region Min Flow]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	30.3	square miles	1	1060
PRECIP	Mean Annual Precipitation	24.78	inches	18	47
ELEV	Mean Basin Elevation	10802	feet	8600	12000

Low-Flow Statistics Flow Report [Mountain Region Min Flow]

PII: Prediction Interval-Lower, Plu: Prediction Interval-Upper, SEp: Standard Error of Prediction, SE: Standard Error (other -- see report)

Statistic	Value	Unit	SEp
7 Day 2 Year Low Flow	2.93	ft^3/s	89
7 Day 10 Year Low Flow	1.57	ft^3/s	153
7 Day 50 Year Low Flow	1.34	ft^3/s	126

Low-Flow Statistics Citations

Capesius, J.P., and Stephens, V. C.,2009, Regional Regression Equations for Estimation of Natural Streamflow Statistics in Colorado: U. S. Geological Survey Scientific Investigations Report 2009-5136, 32 p. (<http://pubs.usgs.gov/sir/2009/5136/><http://pubs.usgs.gov/sir/2009/5136/>)

Peak-Flow Statistics Parameters [Mountain Region Peak Flow]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	30.3	square miles	1	1060
BSLDEM10M	Mean Basin Slope from 10m DEM	39.6	percent	7.6	60.2

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
PRECIP	Mean Annual Precipitation	24.78	inches	18	47

Peak-Flow Statistics Flow Report [Mountain Region Peak Flow]

PII: Prediction Interval-Lower, Plu: Prediction Interval-Upper, SEp: Standard Error of Prediction, SE: Standard Error (other -- see report)

Statistic	Value	Unit	SEp
2 Year Peak Flood	202	ft^3/s	49
5 Year Peak Flood	292	ft^3/s	44
10 Year Peak Flood	353	ft^3/s	41
25 Year Peak Flood	424	ft^3/s	40
50 Year Peak Flood	511	ft^3/s	39
100 Year Peak Flood	571	ft^3/s	36
200 Year Peak Flood	624	ft^3/s	36
500 Year Peak Flood	733	ft^3/s	33

Peak-Flow Statistics Citations

Capesius, J.P., and Stephens, V. C., 2009, Regional Regression Equations for Estimation of Natural Streamflow Statistics in Colorado: U. S. Geological Survey Scientific Investigations Report 2009-5136, 32 p. (<http://pubs.usgs.gov/sir/2009/5136/>)

Attachment F – Water Rights

A copy of the water rights search on Gold Creek is included below.

There are a number of decreed spring rights along Upper Gold Creek. The majority of these are appropriations for very small amounts. One, the Berry Carter Mine Spring right, is more substantial. Other spring rights are included in the water rights search. There are several ditches on Upper Gold Creek, included below. There are more significant diversions on Lower Gold Creek.

Significant rights include:

- Berry Carter Mine Spring 2 cfs appropriation date of 1887-07-01 with an adjudication date of 1981-12-31 (81CW0287)
- O'Banion Feeder Ditch (feeds O'Banion pond)- .5 cfs
- Faivre Ditch No. 2- 2 cfs appropriation date of 1978-09-28 and adjudication date of 1979-12-31.
- Tarkington Ditch Alt Pt-diverts 2.5 cfs appropriation date of 1891-05-10 adjudication date of 1943-04-19 (potentially transferred to Tarkington Ditch)
- Tarkington Ditch- 18 cfs appropriation date of 1891-05-10 adjudication date of 1943-04-19
- Gold Links Ditch PL- .9 cfs appropriation date of 1904-09-029 with adjudication date of 1976-12-31
- Gold Links Mine System
 - o 2.23 cfs appropriation date of 1934-06-01 adjudication date 1979-12-31
 - o 1 cfs appropriation date of 1934-06-01 adjudication date 1979-12-31

There are also abandoned rights. Significant abandoned rights include:

- Faivre Ditch No. 1 was for 2 cfs but cancelled in 12/15/1981 (81CW0158)
- Mono Ditch & Flume- 2.5 cfs, abandoned 2000

HCCA has included the diversion records for the Tarkington Ditch, the largest diversion on Gold Creek. Tarkington water use will likely determine whether water is available on lower Gold Creek for an instream flow appropriation. HCCA intends to work with the Natural Streams and Lakes Protection Unit and Division of Water Resources to determine whether water is available below this diversion.

Annual Water Diversion Report

Irrigation Year: 1970

Division: 4 Water District: 28

(1969-11-01 To 1970-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1							18.000 *	18.000 *	18.000 *	0 *	0 *	1
2							18.000	18.000	18.000			2
3							18.000	18.000	18.000			3
4							18.000	18.000	18.000			4
5							18.000	18.000	18.000			5
6							18.000	18.000	18.000			6
7							18.000	18.000	18.000			7
8							18.000	18.000	18.000			8
9							18.000	18.000	18.000			9
10							18.000	18.000	18.000			10
11							18.000	18.000	18.000			11
12							18.000	18.000	18.000			12
13							18.000	18.000	18.000			13
14							18.000	18.000	18.000			14
15							18.000	18.000	18.000			15
16							18.000	18.000	0 *			16
17							18.000	18.000				17
18							18.000	18.000				18
19							18.000	18.000				19
20							18.000	18.000				20
21							18.000	18.000				21
22							18.000	18.000				22
23							18.000	18.000				23
24							18.000	18.000				24
25							18.000	18.000				25
26							18.000	18.000				26
27							18.000	18.000				27
28							18.000	18.000				28
29							18.000	18.000				29
30							18.000	18.000 *		0 *		30
31							18.000 *		0 *	0 *		31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	558.000	540.000	270.000	0.000	0.000	0.000
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Days Used:	0	0	0	0	0	0	31	30	15	0	0	0
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	18.000	18.000	18.000	0.000	0.000	0.000
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	1106.790	1071.090	535.550	0.000	0.000	0.000
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Annual Total SFD: 1368.000 SFD * Indicates Observed data. U Indicates User supplied data.

Total Days Used: 76 DAYS All other data is interpreted from previous observed value.

Annual Total Acre Feet: 2713.428 AF

* Indicates Observed data. U Indicates User supplied data.

All other data is interpreted from previous observed value.

Water Commissioner

District WC

Annual Water Diversion Report

Irrigation Year: 1971

Division: 4 Water District: 28

(1970-11-01 To 1971-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1							0 *	18.000 *	18.000 *	0 *	0 *	1
2								18.000	18.000			2
3								18.000	18.000			3
4								18.000	18.000			4
5								18.000	18.000			5
6								18.000	18.000			6
7								18.000	18.000			7
8								18.000	18.000			8
9								18.000	18.000			9
10								18.000	18.000			10
11								18.000	18.000			11
12								18.000	18.000			12
13								18.000	18.000			13
14								18.000	18.000			14
15								18.000	18.000			15
16								18.000	18.000			16
17							0 *	18.000	18.000			17
18								18.000	18.000			18
19								18.000	18.000			19
20								18.000	18.000			20
21								18.000	18.000			21
22								18.000	18.000			22
23								18.000	18.000			23
24								18.000	18.000			24
25								18.000	18.000			25
26								18.000	18.000			26
27								18.000	18.000			27
28								18.000	18.000			28
29								18.000	18.000			29
30								18.000 *	18.000	0 *		30
31								0 *	18.000 *	0 *		31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	540.000	558.000	0.000	0.000	0.000
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Days Used:	0	0	0	0	0	0	0	30	31	0	0	0
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	18.000	18.000	0.000	0.000	0.000
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1071.090	1106.790	0.000	0.000	0.000
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Annual Total SFD: 1098.000 SFD * Indicates Observed data. U Indicates User supplied data.

Total Days Used: 61 DAYS All other data is interpreted from previous observed value.

Annual Total Acre Feet: 2177.883 AF

Water Commissioner

District WC

Annual Water Diversion Report

Irrigation Year: 1972

Division: 4 Water District: 28

(1971-11-01 To 1972-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1								18.000 *	18.000 *	12.000 *	0*	1
2								18.000	18.000	12.000		2
3								18.000	18.000	12.000		3
4								18.000	18.000	12.000		4
5								18.000	18.000	12.000		5
6								18.000	18.000	12.000		6
7								18.000	18.000	12.000		7
8								18.000	18.000	12.000		8
9								18.000 *	18.000	12.000		9
10								18.000	18.000	12.000		10
11								18.000	18.000	12.000		11
12								18.000	18.000	12.000		12
13								18.000	18.000	12.000	0*	13
14								18.000	18.000	12.000		14
15								18.000	18.000	12.000		15
16								18.000	18.000	12.000		16
17								18.000	18.000	12.000		17
18								18.000	18.000	12.000		18
19								18.000	18.000	12.000		19
20								18.000	18.000	12.000		20
21								18.000	18.000	12.000		21
22								18.000	18.000	12.000		22
23								18.000	18.000	12.000		23
24								18.000	18.000	12.000		24
25								18.000	18.000	12.000		25
26								18.000	18.000	12.000		26
27								18.000	18.000	12.000		27
28								18.000	18.000	12.000		28
29								18.000	18.000	12.000		29
30								18.000 *	18.000	12.000		30
31									18.000 *	12.000 *		31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	540.000	558.000	372.000	0.000	0.000
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Days Used:	0	0	0	0	0	0	0	30	31	31	0	0
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	18.000	18.000	12.000	0.000	0.000
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1071.090	1106.790	737.860	0.000	0.000
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Annual Total SFD: 1470.000 SFD * Indicates Observed data. U Indicates User supplied data.

Total Days Used: 92 DAYS All other data is interpreted from previous observed value.

Annual Total Acre Feet: 2915.745 AF

* Indicates Observed data. U Indicates User supplied data.

All other data is interpreted from previous observed value.

Water Commissioner

District WC

Annual Water Diversion Report

Irrigation Year: 1973

Division: 4 Water District: 28

(1972-11-01 To 1973-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1								6.000	9.500	2.500*	0*	1
2								6.000	9.500	2.500		2
3								6.000	12.000*	2.500		3
4								6.000	12.000	2.500		4
5								6.000	12.000	2.500		5
6								6.000	12.000	2.500		6
7							0 *	6.000	12.000	2.500		7
8								10.500 *	12.000	2.500		8
9								10.500	12.000	2.500		9
10								10.500	12.000	2.500		10
11								10.500	12.000	2.500		11
12								10.500	12.000	2.500		12
13								10.500	12.000	2.500		13
14							6.000 *	10.500	12.000	2.500		14
15								6.000	10.500	12.000		15
16								6.000	10.500	12.000		16
17								6.000	10.500	12.000		17
18							0 *	6.000	10.500	12.000		18
19								6.000	10.500	12.000		19
20								6.000	10.500	12.000	2.500*	20
21								6.000 *	9.500 *	12.000	2.500	21
22								6.000	9.500	12.000	2.500	22
23								6.000	9.500	12.000	2.500	23
24								6.000	9.500	12.000	2.500	24
25								6.000	9.500	12.000	2.500	25
26								6.000	9.500	12.000	2.500	26
27								6.000	9.500	12.000	2.500	27
28								6.000	9.500	12.000	2.500	28
29								6.000	9.500	12.000	2.500	29
30								6.000	9.500 *	12.000	2.500	30
31								6.000 *	12.000*	2.500*		31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	108.000	273.500	367.000	77.500	0.000	0.000
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Days Used:	0	0	0	0	0	0	18	30	31	31	0	0
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	6.000	9.117	11.839	2.500	0.000	0.000
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	214.220	542.490	727.940	153.720	0.000	0.000
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Annual Total SFD: 826.000 SFD * Indicates Observed data. U Indicates User supplied data.

Total Days Used: 110 DAYS All other data is interpreted from previous observed value.

Annual Total Acre Feet: 1638.371 AF

* Indicates Observed data. U Indicates User supplied data.

All other data is interpreted from previous observed value.

Water Commissioner

District WC

Annual Water Diversion Report

Irrigation Year: 1974

Division: 4 Water District: 28

(1973-11-01 To 1974-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1									0.820	2.000	4.000	3.500*
2									0.820	2.000	4.000	3.500
3									0.820	2.000	4.000	3.500
4									0.820	2.000	4.000	3.500
5								6.000 *	0.820	2.000	4.000	3.500
6							0 *	6.000	0.820	2.000	4.000	3.500
7								6.000	0.820	2.000	4.000	3.500
8								6.000	0.820	2.000	4.000	3.500
9								6.000	0.820	2.000	4.000	3.500
10								6.000	0.820	2.000	4.000	3.500
11								6.000	2.000*	2.000	4.000	3.500
12								6.000	2.000	4.000*	4.000	3.500
13								6.000	2.000	4.000	4.000	3.500
14								6.000	2.000	4.000	4.000	3.500
15								6.000	2.000	4.000	4.000	3.500
16								6.000	2.000	4.000	4.000	3.500
17								6.000	2.000	4.000	4.000	3.500
18								6.000	2.000	4.000	4.000	3.500
19								6.000	2.000	4.000	4.000	3.500
20								6.000	2.000	4.000	4.000	3.500
21								2.000 *	2.000	4.000*	4.000	3.500
22								2.000	2.000	4.000	4.000	3.500
23								2.000	2.000	4.000	4.000	3.500
24								2.000	2.000	4.000	4.000	3.500
25								2.000	2.000	4.000	4.000	3.500
26								2.000	2.000	4.000	4.000	3.500
27								2.000	2.000	4.000	4.000	3.500
28								0.820 *	2.000	4.000	4.000	3.500
29								0.820	2.000	4.000	4.000	3.500
30								0.820	2.000	4.000	4.000	3.500
31									2.000	4.000	3.500*	31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	112.460	50.200	102.000	120.000	108.500
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Days Used:	0	0	0	0	0	0	0	26	31	31	30	31
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.325	1.619	3.290	4.000	3.500
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	223.060	99.570	202.320	238.020	215.210
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Annual Total SFD:	493.160	SFD	* Indicates Observed data. U Indicates User supplied data.									
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Total Days Used:	149	DAYS	All other data is interpreted from previous observed value.									
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Annual Total Acre Feet:	978.183	AF										
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Water Commissioner

District WC

Annual Water Diversion Report

Irrigation Year: 1975

Division: 4 Water District: 28

(1974-11-01 To 1975-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1								12.000	6.100	6.100		1
2								12.000	6.100	6.100		2
3								12.000	6.100	0*		3
4								12.000	6.100			4
5								12.000	6.100			5
6								12.000	6.100			6
7								12.000	6.100			7
8								12.000	6.100			8
9								12.000	6.100			9
10							0*	12.000	6.100			10
11								12.000	6.100			11
12								12.000	6.100			12
13								12.000	6.100			13
14								12.000	6.100			14
15								12.000	6.100		0*	15
16								12.000	6.100			16
17								12.000	6.100			17
18								12.000	6.100			18
19							12.000 *	8.000 *	6.100			19
20								12.000	8.000	6.100		20
21								12.000	8.000	6.100		21
22								12.000	8.000	6.100		22
23								12.000	8.000	6.100		23
24								12.000	8.000	6.100		24
25								12.000	8.000	6.100		25
26								12.000	8.000	6.100		26
27								12.000	6.500 *	6.100		27
28								12.000	6.500	6.100		28
29								12.000	6.500	6.100		0*
30								12.000	6.100 *	6.100		29
31								12.000	6.100			31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	156.000	305.600	189.100	12.200	0.000	0.000
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Days Used:	0	0	0	0	0	0	13	30	31	2	0	0
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	12.000	10.187	6.100	6.100	0.000	0.000
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	309.430	606.160	375.080	24.200	0.000	0.000
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Annual Total SFD: 662.900 SFD * Indicates Observed data. U Indicates User supplied data.

Total Days Used: 76 DAYS All other data is interpreted from previous observed value.

Annual Total Acre Feet: 1314.862 AF

Water Commissioner

Clarence Howard

Annual Water Diversion Report

Irrigation Year: 1976

Division: 4 Water District: 28

(1975-11-01 To 1976-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1									10.200*			1
2									10.200			2
3									10.200			3
4									10.200			4
5									10.200			5
6									10.200			6
7									10.200			7
8									10.200			8
9									10.200			9
10									10.200			10
11									10.200			11
12									10.200			12
13									10.200			13
14									10.200			14
15									12.500 *	12.500 *		15
16									12.500	12.500		16
17									12.500	12.500		17
18									12.500	12.500		18
19									12.500	12.500		19
20									12.500	12.500		20
21									12.500	12.500		21
22									12.500	12.500		22
23									12.500	0*		23
24									12.500			24
25									12.500			25
26									12.500			26
27									12.500			27
28									12.500			28
29									12.500		0*	29
30									12.500			30
31												31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	200.000	242.800	0.000	0.000	0.000
Days Used:	0	0	0	0	0	0	0	16	22	0	0	0
Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	12.500	11.036	0.000	0.000	0.000
Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	396.700	481.590	0.000	0.000	0.000

Annual Total SFD: 442.800 SFD * Indicates Observed data. U Indicates User supplied data.
 Total Days Used: 38 DAYS All other data is interpreted from previous observed value.
 Annual Total Acre Feet: 878.294 AF

Water Commissioner

Clarence Howard

Annual Water Diversion Report

Irrigation Year: 1977

Division: 4 Water District: 28

(1976-11-01 To 1977-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1									8.500	8.500	8.500	4.000
2									8.500	8.500	8.500	4.000
3								8.500 *	8.500	8.500	8.500	4.000
4								8.500	8.500	8.500	8.500	4.000
5								8.500	8.500	8.500	8.500	4.000
6								8.500	8.500	8.500	8.500	4.000
7								8.500	8.500	8.500	8.500	4.000
8								8.500	8.500	8.500	8.500	4.000
9								8.500	8.500	8.500	8.500	4.000
10								8.500	8.500	8.500	8.500	4.000
11								8.500	8.500	8.500	8.500	4.000
12								8.500	8.500	8.500	8.500	4.000
13								8.500	8.500	8.500	8.500	4.000
14								8.500	8.500	8.500	8.500	4.000
15								8.500	8.500	8.500	8.500	4.000
16								8.500	8.500	8.500	8.500	4.000
17								8.500	8.500	8.500	8.500	4.000
18								8.500	8.500	8.500	8.500	4.000
19								8.500	8.500	8.500	8.500	0 *
20								8.500	8.500	8.500	4.000*	20
21								8.500	8.500	8.500	4.000	21
22								8.500	8.500	8.500	4.000	22
23								8.500	8.500	8.500	4.000	23
24								8.500	8.500	8.500	4.000	24
25								8.500	8.500	8.500	4.000	25
26								8.500	8.500	8.500	4.000	26
27								8.500	8.500	8.500	4.000	27
28								8.500	8.500	8.500	4.000	28
29								8.500	8.500	8.500	4.000	29
30								8.500	8.500	8.500	4.000	30
31								8.500	8.500	8.500	8.500	31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	238.000	263.500	263.500	205.500	72.000
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Days Used:	0	0	0	0	0	0	0	28	31	31	30	18
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.500	8.500	8.500	6.850	4.000
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	472.070	522.650	522.650	407.610	142.810
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Annual Total SFD:	1042.500	SFD	* Indicates Observed data. U Indicates User supplied data.									
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All other data is interpreted from previous observed value.

Total Days Used:	138	DAYS
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Annual Total Acre Feet:	2067.799	AF
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Water Commissioner

Clarence Howard

Annual Water Diversion Report

Irrigation Year: 1978

Division: 4 Water District: 28

(1977-11-01 To 1978-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1									11.500	2.250		1
2									11.500	2.250		2
3									11.500	2.250		3
4									11.500	2.250		4
5									11.500	2.250		5
6									11.500	2.250	0*	6
7									11.500	2.250		7
8									11.500	2.250		8
9									12.000 *	11.500	2.250	9
10									12.000	11.500	2.250	10
11									12.000	7.350 *	2.250	11
12									12.000	7.350	2.250	12
13									12.000	7.350	2.250	13
14									12.000	7.350	2.300 *	14
15									12.000	7.350	2.300	15
16									12.000	7.350	2.300	16
17									12.000	7.350	2.300	17
18									12.000	7.350	2.300	18
19									12.000	7.350	2.300	0* 19
20									11.500 *	7.350	2.300	20
21									11.500	7.350	0*	21
22									11.500	7.350		22
23									11.500	7.350		23
24									11.500	7.350		24
25									11.500	7.350		25
26									11.500	7.350	0*	26
27									11.500	7.350		27
28									11.500	7.350		28
29									11.500	7.350		29
30									11.500	7.350		30
31										2.250 *		31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	258.500	264.250	45.350	0.000	0.000
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Days Used:	0	0	0	0	0	0	0	22	31	20	0	0
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	11.750	8.524	2.268	0.000	0.000
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	512.730	524.140	89.950	0.000	0.000
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Annual Total SFD: 568.100 SFD * Indicates Observed data. U Indicates User supplied data.

Total Days Used: 73 DAYS All other data is interpreted from previous observed value.

Annual Total Acre Feet: 1126.826 AF

Water Commissioner

John Garber

Annual Water Diversion Report

Irrigation Year: 1979

Division: 4 Water District: 28

(1978-11-01 To 1979-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1									17.800	7.900*	2.300	1
2									17.800	7.900	2.300	2
3							0 *		17.800	7.900	2.300	3
4									17.800	7.900	2.300	4
5									17.800	7.900	2.300	5
6									13.500*	7.900	2.300	6
7									13.500	7.900	2.300	7
8								0 *	13.500	7.900	2.300	8
9									13.500	7.900	2.300	9
10									13.500	7.900	2.300	10
11									13.500	7.900	2.300	11
12									13.500	7.900	0*	12
13									13.500	7.900		13
14									13.500	7.900		14
15									13.500	7.900		15
16							0 *		13.500	7.900		16
17									13.500	7.900		17
18									13.500	7.900		18
19									15.700*	7.900		19
20									15.700	2.300*		20
21									15.700	2.300	0*	21
22								17.800 *	15.700	2.300		22
23									17.800	15.700	2.300	23
24									17.800	15.700	2.300	24
25									17.800	15.700	2.300	25
26									17.800	15.700	2.300	26
27									17.800	15.700	2.300	27
28									17.800	15.700	2.300	28
29									17.800	15.700	2.300	29
30									17.800	15.700	2.300	30
31									15.700	2.300	1.050	31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	160.200	468.600	177.700	25.300	23.100
Days Used:	0	0	0	0	0	0	0	9	31	31	11	22
Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	17.800	15.116	5.732	2.300	1.050
Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	317.760	929.470	352.470	50.180	45.820

Annual Total SFD: 854.900 SFD
 Total Days Used: 104 DAYS
 Annual Total Acre Feet: 1695.694 AF

* Indicates Observed data. U Indicates User supplied data.
 All other data is interpreted from previous observed value.

Water Commissioner

John Garber

Annual Water Diversion Report

Irrigation Year: 1980

Division: 4 Water District: 28

(1979-11-01 To 1980-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1									9.270	12.500	6.950	1
2									9.270	12.500	6.950	2
3									9.270	12.500	6.950	3
4									0 *	12.500	6.950	4
5									0 *	12.500	6.950	5
6	0*								9.270	12.500	6.950	4.000 *
7									9.270	12.500	6.950	4.000
8									9.270	12.500	6.950	4.000
9									9.270	12.500	6.950	4.000
10									9.270	12.500	6.950	4.000
11									13.300*	12.500	6.950	4.000
12									13.300	12.500	0*	4.000
13									13.300	12.500		4.000
14									13.300	8.600*		4.000
15									13.300	8.600		4.000
16									13.300	8.600		4.000
17									13.300	8.600		4.000
18									13.300	8.600		4.000
19									13.300	8.600		4.000
20									13.300	8.600		4.000
21									0 *	13.300	8.600	21
22									13.300	8.600		4.000
23									9.270 *	12.500 *	8.600	4.000
24									9.270	12.500	8.600	4.000
25									9.270	12.500	8.600	4.000
26									9.270	12.500	8.600	4.000
27									9.270	12.500	8.600	4.000
28									9.270	12.500	8.600	4.000
29									9.270	12.500	6.950*	0 *
30									9.270	12.500	6.950	30
31									12.500	6.950		31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	74.160	364.800	312.350	76.450	92.000
Days Used:	0	0	0	0	0	0	0	8	31	31	11	23
Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	9.270	11.768	10.076	6.950	4.000

Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	147.100	723.580	619.550	151.640	182.480
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Annual Total SFD:	919.760	SFD	* Indicates Observed data. U Indicates User supplied data. All other data is interpreted from previous observed value.									
Total Days Used:	104	DAYS										
Annual Total Acre Feet:	1824.344	AF										

Water Commissioner

John Garber

Annual Water Diversion Report

Irrigation Year: 1981

Division: 4 Water District: 28

(1980-11-01 To 1981-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1								11.300	11.500	9.100		1
2								11.300	11.500	9.100		2
3								11.300	11.500	9.100		3
4	0*						0 *	12.000 *	11.500	9.100		4
5								12.000	11.500	9.100		5
6								12.000	11.500	9.100		6
7								12.000	11.500	9.100		7
8								12.000	11.500	9.100		8
9								12.000	11.500	9.100		9
10								12.000	11.500	9.100		10
11								12.000	11.500	9.100		11
12								12.000	11.500	0 *		12
13								12.000	11.500			13
14								12.000	9.600 *			14
15								11.600 *	9.600			15
16								11.600	9.600			16
17								11.600	9.600		0 *	17
18								11.600	9.600			18
19							11.300 *	11.600	9.600			19
20								11.300	11.600	9.600		20
21								11.300	11.600	9.600		21
22								11.300	11.600	9.600		22
23								11.300	11.600	9.100 *		23
24								11.300	11.600	9.100		24
25								11.300	11.600	9.100		25
26								11.300	11.600	9.100		26
27								11.300	11.600	9.100		27
28								11.300	11.600	9.100		28
29								11.300	11.600	9.100		29
30								11.300	11.500 *	9.100		30
31								11.300	9.100	0 *		31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	146.900	351.400	317.800	100.100	0.000	0.000
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Days Used:	0	0	0	0	0	0	13	30	31	11	0	0
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	11.300	11.713	10.252	9.100	0.000	0.000
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	291.380	697.000	630.360	198.550	0.000	0.000
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Annual Total SFD: 916.200 SFD * Indicates Observed data. U Indicates User supplied data.

Total Days Used: 85 DAYS All other data is interpreted from previous observed value.

Annual Total Acre Feet: 1817.283 AF

Water Commissioner

John Garber

Annual Water Diversion Report

Irrigation Year: 1982

Division: 4 Water District: 28

(1981-11-01 To 1982-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1								12.800	12.300	9.750		1
2								12.800	12.300	9.750		2
3								12.800	12.300	9.750		3
4							0 *	12.800	12.300	9.750		4
5								12.800	12.300	9.750		5
6								12.800	12.300	9.750		6
7								13.500 *	11.800 *	9.750		7
8								13.500	11.800	9.750	0 *	8
9								13.500	11.800	9.750		9
10								13.500	11.800	9.750		10
11								13.500	11.800	9.750		11
12								13.500	11.800	9.750		12
13								13.500	11.800	9.750		13
14								13.500	11.800	9.750		14
15								13.500	11.800	9.750		15
16								13.500	11.800	9.750		16
17								12.300 *	11.800	9.750		17
18								12.300	11.800	9.750		18
19								12.300	11.800	0 *		19
20								12.300	11.800			20
21								12.300	11.800			21
22								12.300	9.750 *		0 *	22
23								12.300	9.750			23
24								12.300	9.750			24
25								12.300	9.750		0 *	25
26								12.300	9.750			26
27								12.800 *	12.300	9.750		27
28								12.800	12.300	9.750		28
29								12.800	12.300	9.750		29
30								12.800	12.300	9.750		30
31								12.800	9.750			31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	64.000	384.000	348.300	175.500	0.000	0.000
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Days Used:	0	0	0	0	0	0	5	30	31	18	0	0
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	12.800	12.800	11.235	9.750	0.000	0.000
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	126.940	761.660	690.850	348.100	0.000	0.000
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Annual Total SFD: 971.800 SFD * Indicates Observed data. U Indicates User supplied data.

Total Days Used: 84 DAYS All other data is interpreted from previous observed value.

Annual Total Acre Feet: 1927.565 AF

Water Commissioner

John Garber

Annual Water Diversion Report

Irrigation Year: 1983

Division: 4 Water District: 28

(1982-11-01 To 1983-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1									12.000	8.750		1
2									12.000	8.750		2
3							8.500 *	12.000	8.750			3
4							8.500	12.000	8.750			4
5							8.500	12.000	8.750			5
6							8.500	12.000	8.750			6
7							8.500	12.000	8.750			7
8							8.500	12.000	8.750	0*		8
9							8.500	12.000	8.750			9
10							8.500	12.000	8.750			10
11							8.500	12.000	8.750			11
12							8.500	12.000	8.750			12
13							8.500	12.000	8.750			13
14							8.500	12.000	8.750			14
15							8.500	12.000	8.750			15
16						0 *	8.500	12.000	8.750			16
17							8.500	12.000	0*			17
18							8.500	12.000				18
19							8.500	12.000				19
20							8.500	12.000				20
21							8.500	8.750*				21
22							8.500	8.750				22
23							8.500	8.750				23
24							8.500	8.750				24
25							8.500	8.750				25
26							8.500	8.750				26
27							8.500	8.750				27
28							8.500	8.750	0*			28
29							8.500	8.750				29
30								12.000 *	8.750			30
31									8.750			31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	241.500	336.250	140.000	0.000	0.000
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Days Used:	0	0	0	0	0	0	0	28	31	16	0	0
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.625	10.847	8.750	0.000	0.000
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	479.020	666.950	277.690	0.000	0.000
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Annual Total SFD: 717.750 SFD * Indicates Observed data. U Indicates User supplied data.

Total Days Used: 75 DAYS All other data is interpreted from previous observed value.

Annual Total Acre Feet: 1423.657 AF

* Indicates Observed data. U Indicates User supplied data.

All other data is interpreted from previous observed value.

Water Commissioner

John Garber

Annual Water Diversion Report

Irrigation Year: 1984

Division: 4 Water District: 28

(1983-11-01 To 1984-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1								12.000 *	12.000	3.500		12.000
2								12.000	12.000	3.500		12.000
3								12.000	12.000	3.500		12.000
4								12.000	12.000	3.500		12.000
5								12.000	12.000	3.500		12.000
6								12.000	3.500*	3.500		12.000
7								12.000	3.500	0*		12.000
8								12.000	3.500			12.000
9								12.000	3.500			12.000
10								12.000	3.500			12.000
11							0 *	12.000	3.500		0*	12.000
12								12.000	3.500			12.000
13								12.000	3.500			12.000
14								12.000	3.500			12.000
15								12.000	3.500			12.000
16								12.000	3.500			12.000
17								12.000	3.500			12.000
18								12.000	3.500			12.000
19								12.000	3.500			12.000
20								12.000	3.500			12.000
21							0 *	12.000	3.500			12.000
22								12.000	3.500			12.000
23								12.000	3.500			12.000
24								12.000	3.500			12.000
25								12.000	3.500	12.000*		12.000
26								12.000	3.500	12.000		12.000
27								12.000	3.500	12.000		12.000
28								12.000	3.500	12.000		12.000
29								12.000	3.500	12.000		12.000
30								12.000	3.500	12.000		12.000
31									3.500			12.000

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	360.000	151.000	21.000	72.000	372.000
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Days Used:	0	0	0	0	0	0	0	30	31	6	6	31
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	12.000	4.871	3.500	12.000	12.000
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	714.060	299.510	41.650	142.810	737.860
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Annual Total SFD: 976.000 SFD * Indicates Observed data. U Indicates User supplied data.

Total Days Used: 104 DAYS All other data is interpreted from previous observed value.

Annual Total Acre Feet: 1935.896 AF

Water Commissioner

John Garber

Annual Water Diversion Report

Irrigation Year: 1985

Division: 4 Water District: 28

(1984-11-01 To 1985-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1									8.000	8.000		1
2									8.000	0*		2
3									8.000			3
4									8.000			4
5									8.000			5
6							0 *		8.000			6
7									8.000			7
8									8.000			8
9									8.000			9
10									8.000		0*	10
11									8.000			11
12									8.000			12
13									8.000			13
14									8.000			14
15									8.000			15
16									8.000			16
17									8.000			17
18									8.000			18
19									8.000			19
20									8.000			20
21									8.000			21
22									8.000			22
23									8.000			23
24									8.000			24
25									8.000			25
26									8.000			26
27									8.000			27
28								8.000 *	8.000			28
29								8.000	8.000			29
30								8.000	8.000			30
31									8.000			31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	24.000	248.000	8.000	0.000	0.000
Days Used:	0	0	0	0	0	0	0	3	31	1	0	0
Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.000	8.000	8.000	0.000	0.000
Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	47.600	491.910	15.870	0.000	0.000

Annual Total SFD: 280.000 SFD * Indicates Observed data. U Indicates User supplied data.
 Total Days Used: 35 DAYS All other data is interpreted from previous observed value.
 Annual Total Acre Feet: 555.380 AF

Water Commissioner

John Garber

Annual Water Diversion Report

Irrigation Year: 1986

Division: 4 Water District: 28

(1985-11-01 To 1986-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	
1								12.000	11.250				1
2								12.000	11.250				2
3								12.000	11.250				3
4								12.000	11.250				4
5							0 *	12.000	11.250				5
6								12.000	11.250				6
7								12.000	8.500 *	0 *			7
8								12.000	8.500				8
9								12.000	8.500				9
10								12.000	8.500				10
11								12.000	8.500				11
12								12.000	8.500		0 *		12
13								12.000	8.500				13
14								12.000	8.500				14
15								12.000	8.500				15
16								12.000	8.500				16
17								12.000	8.500				17
18								12.000	8.500				18
19							0 *	12.000	8.500				19
20								12.000	8.500				20
21								12.000	8.500				21
22								12.000	8.500				22
23								12.000	8.500				23
24								11.250 *	0 *				24
25								11.250					25
26								11.250					26
27								11.250		0 *			27
28								11.250					28
29								12.000 *	11.250				29
30								12.000	11.250				30
31								12.000					31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	36.000	354.750	212.000	0.000	0.000	0.000
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Days Used:	0	0	0	0	0	0	3	30	23	0	0	0
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	12.000	11.825	9.217	0.000	0.000	0.000
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	71.410	703.650	420.500	0.000	0.000	0.000
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Annual Total SFD: 602.750 SFD * Indicates Observed data. U Indicates User supplied data.

Total Days Used: 56 DAYS All other data is interpreted from previous observed value.

Annual Total Acre Feet: 1195.555 AF

Water Commissioner

John Garber

Annual Water Diversion Report

Irrigation Year: 1987

Division: 4 Water District: 28

(1986-11-01 To 1987-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1								12.750 *	13.150	11.350		4.500
2								12.750	13.150	11.350		4.500
3								12.750	13.150	11.350		4.500
4								12.750	13.150	11.350		4.500
5								12.750	13.150	0 *		4.500
6								12.750	11.350 *			4.500
7								12.750	11.350			4.500
8								12.750	11.350			4.500
9								12.750	11.350			4.500
10								12.750	11.350			4.500
11								12.750	11.350			4.500
12								12.750	11.350			4.500
13								12.750	11.350			4.500
14							0 *	12.750	11.350	0 *	0 *	4.500
15								12.750	11.350			4.500
16								12.750	11.350			0 *
17								12.750	11.350			17
18								12.750	11.350			18
19								13.150 *	11.350			19
20								13.150	11.350			20
21								13.150	11.350		4.500*	21
22								13.150	11.350		4.500	22
23								13.150	11.350		4.500	23
24								13.150	11.350		4.500	24
25								13.150	11.350		4.500	25
26								13.150	11.350		4.500	26
27								13.150	11.350		4.500	27
28								13.150	11.350		4.500	28
29								13.150	11.350		4.500	29
30								13.150	11.350		4.500	30
31									11.350			31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	387.300	360.850	45.400	45.000	67.500
Days Used:	0	0	0	0	0	0	0	30	31	4	10	15
Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	12.910	11.640	11.350	4.500	4.500

Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	768.210	715.750	90.050	89.260	133.890
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Annual Total SFD: 906.050 SFD * Indicates Observed data. U Indicates User supplied data.
 Total Days Used: 90 DAYS All other data is interpreted from previous observed value.
 Annual Total Acre Feet: 1797.150 AF

Water Commissioner

John Garber

Annual Water Diversion Report

Irrigation Year: 1988

Division: 4 Water District: 28

(1987-11-01 To 1988-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1								8.900	7.750			2.500
2								8.900	7.750	5.650*	2.500	2
3								8.900	7.750	5.650	2.500	3
4								8.900	7.750	5.650	2.500	4
5							0 *	8.900	7.750	5.650	2.500	5
6								8.900	7.750	5.650	2.500	6
7								8.900	7.750	5.650	2.500	7
8								8.750 *	7.750	5.650	2.500	8
9								8.750	7.750	5.650	2.500	9
10								8.750	7.750	5.650	2.500	10
11								8.750	7.750	5.650	2.500	11
12								8.750	7.750	5.650	2.500	12
13								8.750	6.110*	3.750*	2.500	13
14								8.750	6.110	3.750	2.500	14
15								8.750	6.110	3.750	2.500	15
16								8.750	6.110	3.750	2.500	16
17							0 *	8.750	6.110	3.750	2.500	17
18								8.750	6.110	3.750	2.500	18
19								8.750	6.110	3.750	2.500	19
20								8.750	6.110	3.750	2.500	20
21								8.750	6.110	3.750	2.500	21
22								8.750	6.110	2.500*	2.500	22
23								8.900 *	7.750 *	6.110	2.500	23
24								8.900	7.750	6.110	2.500	24
25								8.900	7.750	0 *	2.500	25
26								8.900	7.750	0 *	2.500	26
27								8.900	7.750	2.500	0 *	27
28								8.900	7.750	2.500		28
29								8.900	7.750	2.500		29
30								8.900	7.750	2.500		30
31								8.900				31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	80.100	255.550	166.320	0.000	118.400	65.000
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Days Used:	0	0	0	0	0	0	9	30	24	0	29	26
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	8.900	8.518	6.930	0.000	4.083	2.500
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	158.880	506.880	329.900	0.000	234.850	128.930
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Annual Total SFD: 685.370 SFD * Indicates Observed data. U Indicates User supplied data.

Total Days Used: 118 DAYS All other data is interpreted from previous observed value.

Annual Total Acre Feet: 1359.431 AF

Water Commissioner

John Garber

Annual Water Diversion Report

Irrigation Year: 1989

Division: 4 Water District: 28

(1988-11-01 To 1989-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1							0 *	4.000	4.000		4.000	4.000
2								4.000	4.000		4.000	4.000 *
3								4.000	4.000		4.000	4.000
4								4.000	4.000		4.000	4.000
5								4.000	4.000		4.000	4.000
6								4.000 *	4.000		4.000 *	4.000
7								4.000	4.000 *		4.000	4.000
8								4.000	4.000		4.000	4.000
9								4.000	4.000		4.000	4.000
10								4.000	4.000	4.000 *	4.000	4.000
11								4.000	4.000	4.000	4.000	4.000
12								4.000	4.000	4.000	4.000	4.000
13								4.000	4.000	4.000	4.000	4.000
14								4.000	4.000	4.000	4.000	4.000
15								4.000	4.000	4.000	4.000	4.000
16								4.000	4.000	4.000	4.000	4.000
17								4.000	4.000	4.000	4.000	4.000
18							0 *	0 *	4.000	4.000	4.000	4.000
19								4.000	4.000	4.000	4.000	4.000
20								4.000	4.000	4.000	4.000	4.000
21								4.000 *	4.000	4.000	4.000	4.000
22								4.000	4.000	4.000	4.000	4.000
23								4.000	4.000	4.000	4.000	4.000
24								4.000	4.000	4.000	4.000	4.000
25								4.000	4.000	4.000	4.000	4.000
26								4.000	4.000	4.000	4.000	4.000
27								4.000	4.000	4.000	4.000	4.000
28								4.000	4.000	0 *	4.000	4.000
29								4.000	4.000		4.000	4.000
30								4.000	4.000		4.000 *	4.000
31								4.000			4.000	0 *

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	44.000	120.000	108.000	88.000	120.000	120.000
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Days Used:	0	0	0	0	0	0	11	30	27	22	30	30
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	4.000	4.000	4.000	4.000	4.000	4.000
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	87.270	238.020	214.220	174.550	238.020	238.020
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Annual Total SFD:	600.000	SFD	* Indicates Observed data. U Indicates User supplied data.									
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Total Days Used:	150	DAYS	All other data is interpreted from previous observed value.									
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Annual Total Acre Feet:	1190.100	AF										
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Water Commissioner

Wesley Robinson

Annual Water Diversion Report

Irrigation Year: 1990

Division: 4 Water District: 28

(1989-11-01 To 1990-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1									3.000			2.000
2									3.000			2.000
3							0 *		3.000			2.000 *
4									3.000			2.000
5								3.000 *	3.000			2.000
6								3.000	3.000			2.000
7								3.000	3.000			2.000
8								3.000	3.000			2.000
9								3.000	3.000	0 *		2.000
10								3.000	3.000			2.000
11								3.000	3.000 *			2.000
12								3.000	3.000	2.000 *		2.000
13								3.000	3.000	2.000		2.000
14								3.000	3.000	2.000		2.000
15								3.000	3.000	2.000		2.000
16								3.000	3.000	2.000		2.000
17								3.000	3.000	2.000		2.000
18								3.000	3.000	2.000		2.000
19								3.000	3.000	2.000		2.000
20							0 *		3.000	3.000	2.000	2.000
21								3.000	3.000	2.000	2.000	2.000
22								3.000	3.000	2.000	2.000	2.000
23								3.000	3.000	0 *	2.000	2.000
24								3.000	3.000	2.000	2.000	2.000
25								3.000	3.000	2.000	2.000	2.000
26								3.000 *	0 *	2.000	2.000	2.000
27								3.000		2.000 *	2.000	2.000
28								3.000		2.000	2.000	2.000
29								3.000		2.000	2.000	2.000
30								3.000		2.000	2.000	2.000
31										0 *	31	

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	78.000	75.000	0.000	38.000	60.000
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Days Used:	0	0	0	0	0	0	0	26	25	0	19	30
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.000	3.000	0.000	2.000	2.000
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	154.710	148.760	0.000	75.370	119.010
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Annual Total SFD: 251.000 SFD * Indicates Observed data. U Indicates User supplied data.

Total Days Used: 100 DAYS All other data is interpreted from previous observed value.

Annual Total Acre Feet: 497.859 AF

Water Commissioner

Wesley Robinson

Annual Water Diversion Report

Irrigation Year: 1991

Division: 4 Water District: 28

(1990-11-01 To 1991-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1								12.000 *	6.000			2.000
2								12.000	6.000			2.000
3								12.000	6.000			2.000
4								12.000	6.000			2.000
5								12.000	6.000	0 *		2.000
6								12.000	6.000			2.000
7								12.000	6.000			2.000
8								12.000	6.000			2.000
9								12.000	6.000			2.000
10							0 *	12.000	6.000 *	0 *		2.000
11								12.000	6.000			2.000
12								12.000	6.000			2.000
13								12.000	6.000			2.000
14								12.000	6.000			2.000
15								8.000 *	6.000			2.000
16								8.000	6.000			2.000
17								8.000	6.000			2.000
18								8.000	6.000			2.000
19								8.000	5.000 *		2.000*	2.000
20								8.000	5.000		2.000	2.000
21								6.000 *	5.000		2.000	2.000
22								6.000	5.000		2.000	2.000
23								6.000	5.000	0 *	2.000	0 *
24								6.000	5.000		2.000	
25							0 *	6.000	5.000		2.000	
26								6.000	5.000		2.000	
27								6.000	5.000		2.000	
28								6.000	5.000		2.000	
29								6.000	0 *		2.000	
30								6.000			2.000	
31										0 *	31	

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	276.000	158.000	0.000	24.000	44.000
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Days Used:	0	0	0	0	0	0	0	30	28	0	12	22
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	9.200	5.643	0.000	2.000	2.000
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	547.450	313.390	0.000	47.600	87.270
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Annual Total SFD: 502.000 SFD * Indicates Observed data. U Indicates User supplied data.

Total Days Used: 92 DAYS All other data is interpreted from previous observed value.

Annual Total Acre Feet: 995.717 AF

Water Commissioner

Wesley Robinson

Annual Water Diversion Report

Irrigation Year: 1992

Division: 4 Water District: 28

(1991-11-01 To 1992-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1								12.000	12.000	10.000	6.000	6.000*
2								12.000	12.000	10.000	6.000	6.000
3								12.000	12.000	0*	6.000	6.000
4								12.000	12.000		6.000	6.000
5								12.000	12.000		6.000	6.000
6								12.000	12.000		6.000	6.000
7								12.000	12.000		6.000	6.000
8								12.000	12.000		6.000	6.000
9								12.000	12.000		6.000*	6.000
10								12.000	12.000		6.000	6.000
11							12.000 *	12.000	12.000	6.000*	6.000	6.000
12							12.000	12.000	12.000	6.000	6.000	6.000
13							12.000	12.000	12.000	6.000	6.000	6.000
14							12.000	12.000	10.000*	6.000	6.000	6.000
15							12.000	12.000	10.000	6.000	6.000	6.000
16							12.000	12.000	10.000	6.000	6.000	6.000
17							12.000	12.000	10.000	6.000	6.000	6.000
18							12.000	12.000 *	10.000	6.000	6.000	6.000
19							12.000	12.000	10.000	6.000	6.000	6.000
20							12.000	12.000	10.000	6.000	6.000	4.000*
21							12.000	12.000	10.000	6.000	6.000	4.000
22							12.000	12.000	10.000	6.000	6.000*	4.000
23							12.000	12.000	10.000	6.000	6.000	4.000
24							12.000	12.000	10.000	6.000	6.000	4.000
25							12.000	12.000	10.000	6.000	6.000	4.000
26							12.000	12.000	10.000	6.000	6.000	4.000
27						0*	12.000	12.000	10.000	6.000	6.000	4.000
28							12.000	12.000	10.000	6.000	6.000	4.000
29							12.000	12.000	10.000	6.000	6.000	4.000
30							12.000	12.000 *	10.000	6.000	6.000	4.000
31							12.000		10.000	6.000	6.000	0*

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	252.000	360.000	336.000	146.000	180.000	158.000
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Days Used:	0	0	0	0	0	0	21	30	31	23	30	30
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	12.000	12.000	10.839	6.348	6.000	5.267
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	499.840	714.060	666.460	289.590	357.030	313.390
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Annual Total SFD:	1432.000	SFD	* Indicates Observed data. U Indicates User supplied data.									
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Total Days Used:	165	DAYS	All other data is interpreted from previous observed value.									
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Annual Total Acre Feet:	2840.372	AF										
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Water Commissioner

Wesley Robinson

Annual Water Diversion Report

Irrigation Year: 1993

Division: 4 Water District: 28

(1992-11-01 To 1993-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1								18.000 *	18.000			4.000
2								18.000	18.000			4.000
3								18.000	18.000			4.000
4								18.000	18.000	0*		4.000 *
5								18.000	18.000			4.000
6								18.000	18.000			4.000
7								18.000	18.000			4.000
8								18.000	10.750 *			4.000
9								18.000	10.750			4.000
10								18.000	10.750			4.000
11							0 *	18.000	10.750			4.000
12								18.000	10.750			4.000
13								18.000	10.750			4.000
14								18.000	10.750			4.000
15								18.000	10.750			4.000
16								18.000	0*			4.000
17								18.000 *	18.000			4.000
18								18.000	18.000 *			4.000
19								18.000	18.000			4.000
20								18.000	18.000			4.000
21								18.000	18.000			4.000
22								18.000	18.000			4.000
23								18.000	18.000			4.000
24								18.000	18.000			4.000
25								18.000	18.000			4.000
26								18.000	18.000			4.000
27								18.000	18.000			4.000
28								18.000	18.000	4.000*		4.000
29							0*	18.000	18.000			4.000
30								18.000	18.000			4.000
31								18.000				0 *

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	270.000	540.000	212.000	0.000	12.000	120.000
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Days Used:	0	0	0	0	0	0	15	30	15	0	3	30
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	18.000	18.000	14.133	0.000	4.000	4.000
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	535.550	1071.090	420.500	0.000	23.800	238.020
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Annual Total SFD: 1154.000 SFD * Indicates Observed data. U Indicates User supplied data.

Total Days Used: 93 DAYS All other data is interpreted from previous observed value.

Annual Total Acre Feet: 2288.959 AF

Water Commissioner

Wesley Robinson

Annual Water Diversion Report

Irrigation Year: 1994

Division: 4 Water District: 28

(1993-11-01 To 1994-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1									8.600			1
2									8.600			2
3									8.600			3
4									8.600			4
5									8.600			5
6									8.600			6
7									8.600			7
8									6.200*	0*		8
9									11.200*	6.200		9
10									11.200	6.200		10
11									11.200	6.200		11
12							0*	11.200	6.200			12
13								11.200	6.200			13
14								11.200	6.200			14
15								11.200	6.200			15
16								11.200	6.200			16
17								11.200	6.200			17
18								11.200	5.800*			18
19								11.200	5.800			19
20							0*	11.200	5.800			20
21								11.200	5.800			21
22								8.600*	5.800			22
23								8.600	5.800			23
24								8.600	5.800			24
25								8.600	5.800			25
26								8.600	0*			26
27								8.600				27
28								8.600				28
29								8.600				29
30								8.600				30
31												31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	223.000	168.600	0.000	0.000	0.000
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Days Used:	0	0	0	0	0	0	0	22	25	0	0	0
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	10.136	6.744	0.000	0.000	0.000
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	442.320	334.420	0.000	0.000	0.000
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Annual Total SFD: 391.600 SFD * Indicates Observed data. U Indicates User supplied data.

Total Days Used: 47 DAYS All other data is interpreted from previous observed value.

Annual Total Acre Feet: 776.739 AF

Water Commissioner

Wesley Robinson

Annual Water Diversion Report

Irrigation Year: 1995

Division: 4 Water District: 28

(1994-11-01 To 1995-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1								12.000	12.000			1
2								12.000	12.000			2
3								12.000	12.000			3
4								12.000	12.000			4
5								12.000	12.000			5
6								12.000	12.000			6
7								12.000	12.000			7
8								12.000	12.000			8
9								12.000	12.000			9
10								12.000	12.000			10
11								12.000	12.000			11
12								12.000	12.000			12
13								12.000	12.000			13
14								12.000	12.000			14
15							12.000 *	12.000	12.000			15
16							12.000	12.000 *	12.000			16
17							12.000	12.000	12.000			17
18							12.000	12.000	12.000			18
19							12.000	12.000	0 *			19
20							12.000	12.000				20
21							12.000	12.000				21
22							12.000	12.000				22
23							12.000	12.000				23
24							12.000	12.000				24
25							12.000	12.000				25
26							12.000	12.000				26
27							12.000	12.000				27
28							12.000	12.000				28
29							12.000	12.000				29
30							12.000	12.000				30
31							12.000	12.000				31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	204.000	360.000	216.000	0.000	0.000	0.000
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Days Used:	0	0	0	0	0	0	17	30	18	0	0	0
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	12.000	12.000	12.000	0.000	0.000	0.000
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	404.630	714.060	428.440	0.000	0.000	0.000
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Annual Total SFD: 780.000 SFD * Indicates Observed data. U Indicates User supplied data.

Total Days Used: 65 DAYS All other data is interpreted from previous observed value.

Annual Total Acre Feet: 1547.130 AF

Water Commissioner

Clarence Howard

Annual Water Diversion Report

Irrigation Year: 1996

Division: 4 Water District: 28

(1995-11-01 To 1996-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1								10.000	10.000			1
2								10.000	10.000			2
3								10.000	10.000			3
4								10.000	10.000			4
5								10.000	10.000			5
6								10.000	10.000			6
7								10.000	10.000			7
8								10.000	10.000			8
9								10.000	10.000			9
10								10.000	10.000			10
11								10.000	10.000			11
12								10.000	10.000			12
13							10.000 *	10.000	10.000			13
14							10.000	10.000	0 *			14
15							10.000	10.000				15
16							10.000	10.000				16
17							10.000	10.000 *				17
18							10.000	10.000				18
19							10.000	10.000				19
20							10.000	10.000				20
21							10.000	10.000				21
22							10.000	10.000				22
23							10.000	10.000				23
24							10.000	10.000				24
25							10.000	10.000				25
26							10.000	10.000				26
27							10.000	10.000				27
28							10.000	10.000				28
29							10.000	10.000				29
30							10.000	10.000				30
31							10.000	10.000				31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	190.000	300.000	130.000	0.000	0.000	0.000
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Days Used:	0	0	0	0	0	0	19	30	13	0	0	0
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	10.000	10.000	10.000	0.000	0.000	0.000
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	376.870	595.050	257.860	0.000	0.000	0.000
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Annual Total SFD: 620.000 SFD * Indicates Observed data. U Indicates User supplied data.

Total Days Used: 62 DAYS All other data is interpreted from previous observed value.

Annual Total Acre Feet: 1229.770 AF

Water Commissioner

Clarence Howard

Annual Water Diversion Report

Irrigation Year: 1997

Division: 4 Water District: 28

(1996-11-01 To 1997-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1								11.000	11.000			1
2								11.000	11.000			2
3								11.000	11.000			3
4								11.000	11.000			4
5								11.000	11.000			5
6								11.000	11.000			6
7								11.000	11.000			7
8								11.000	11.000			8
9								11.000	11.000			9
10								11.000	11.000			10
11							11.000 *	11.000	11.000			11
12							11.000	11.000	11.000			12
13							11.000	11.000	11.000			13
14							11.000	11.000	11.000			14
15							11.000	11.000	11.000			15
16							11.000	11.000	11.000			16
17							11.000	11.000	11.000			17
18							11.000	11.000	11.000			18
19							11.000	11.000	11.000			19
20							11.000	11.000	11.000			20
21							11.000	11.000	11.000			21
22							11.000	11.000	11.000			22
23							11.000	11.000	0*			23
24							11.000	11.000				24
25							11.000	11.000				25
26							11.000	11.000				26
27							11.000	11.000				27
28							11.000	11.000				28
29							11.000	11.000				29
30							11.000	11.000				30
31							11.000	11.000				31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	231.000	330.000	242.000	0.000	0.000	0.000
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Days Used:	0	0	0	0	0	0	21	30	22	0	0	0
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	11.000	11.000	11.000	0.000	0.000	0.000
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	458.190	654.560	480.010	0.000	0.000	0.000
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Annual Total SFD: 803.000 SFD * Indicates Observed data. U Indicates User supplied data.

Total Days Used: 73 DAYS All other data is interpreted from previous observed value.

Annual Total Acre Feet: 1592.750 AF

Water Commissioner

Clarence Howard

Annual Water Diversion Report

Irrigation Year: 1999

Division: 4 Water District: 28

(1998-11-01 To 1999-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1									4.000			1
2									4.000			2
3									4.000			3
4									4.000			4
5									4.000			5
6									4.000			6
7									4.000			7
8									4.000			8
9								7.500 *	4.000			9
10								7.500	4.000			10
11								7.500	4.000			11
12								7.500	4.000			12
13								7.500	4.000			13
14								7.500	4.000			14
15								7.500	4.000			15
16								7.500	4.000			16
17								7.500	4.000			17
18								7.500	4.000			18
19								7.500	4.000			19
20								7.500	4.000			20
21								7.500	4.000			21
22								7.500	4.000			22
23								7.500	4.000			23
24								7.500	0*			24
25								7.500				25
26								7.500				26
27								7.500				27
28								7.500				28
29								4.000 *				29
30								4.000				30
31												31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	158.000	92.000	0.000	0.000	0.000
Days Used:	0	0	0	0	0	0	0	22	23	0	0	0
Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.182	4.000	0.000	0.000	0.000
Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	313.390	182.480	0.000	0.000	0.000

Annual Total SFD: 250.000 SFD * Indicates Observed data. U Indicates User supplied data.
 Total Days Used: 45 DAYS All other data is interpreted from previous observed value.
 Annual Total Acre Feet: 495.875 AF

Water Commissioner

Bonnie Irby

Annual Water Diversion Report

Irrigation Year: 2000

Division: 4 Water District: 28

(1999-11-01 To 2000-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1									20.400	17.100		1
2									20.400	17.100		2
3							21.200 *	20.400	17.100			3
4							21.200	20.400	17.100			4
5							21.200	20.400	17.100			5
6							21.200	20.400	17.100			6
7							21.200	20.400	17.100			7
8							21.200	20.400	17.100			8
9							21.200	20.400	17.100			9
10							21.200	20.400	17.100			10
11							21.200	17.100*	17.100			11
12							21.200	17.100	17.100			12
13							21.200	17.100	17.100			13
14							21.200	17.100	17.100			14
15							21.200	17.100	0*			15
16							21.200	17.100				16
17							21.200	17.100				17
18							21.200	17.100				18
19							21.200	17.100				19
20							21.200	17.100				20
21							21.200	17.100				21
22							20.400 *	17.100				22
23							20.400	17.100				23
24							20.400	17.100				24
25							20.400	17.100				25
26							20.400	17.100				26
27							20.400	17.100				27
28							20.400	17.100				28
29							20.400	17.100				29
30							20.400	17.100				30
31								17.100				31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	586.400	563.100	239.400	0.000	0.000
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Days Used:	0	0	0	0	0	0	0	28	31	14	0	0
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	20.943	18.165	17.100	0.000	0.000
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1163.120	1116.910	474.850	0.000	0.000
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Annual Total SFD: 1388.900 SFD * Indicates Observed data. U Indicates User supplied data.

Total Days Used: 73 DAYS All other data is interpreted from previous observed value.

Annual Total Acre Feet: 2754.883 AF

Water Commissioner

Bonnie Irby

Annual Water Diversion Report

Irrigation Year: 2001

Division: 4 Water District: 28

(2000-11-01 To 2001-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1									13.600	6.250		0 *
2									6.250 *	6.250		2
3							0 *		6.250	6.250		3
4									6.250	6.250		4
5								13.600 *	6.250	6.250		5
6								13.600	6.250	6.250		6
7								13.600	6.250	6.250		7
8								13.600	6.250	6.250	0 *	8
9								13.600	6.250	6.250		9
10								13.600	6.250	6.250		10
11								13.600	6.250	6.250		11
12								13.600	6.250	6.250		12
13								13.600	6.250	6.250		13
14								13.600	6.250	6.250		14
15								13.600	6.250	6.250		15
16								13.600	6.250	6.250		16
17								13.600	6.250	0 *		17
18								13.600	6.250			18
19								13.600	6.250			19
20								13.600	6.250			20
21								13.600	6.250			21
22								13.600	6.250			22
23								13.600	6.250			23
24								13.600	6.250			24
25								13.600	6.250			25
26								13.600	6.250			26
27								13.600	6.250			27
28								13.600	6.250			28
29								13.600	6.250			29
30								13.600	6.250			30
31									6.250			31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	353.600	201.100	100.000	0.000	0.000
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Days Used:	0	0	0	0	0	0	0	26	31	16	0	0
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	13.600	6.487	6.250	0.000	0.000
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	701.370	398.880	198.350	0.000	0.000
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Annual Total SFD: 654.700 SFD * Indicates Observed data. U Indicates User supplied data.

Total Days Used: 73 DAYS All other data is interpreted from previous observed value.

Annual Total Acre Feet: 1298.597 AF

Water Commissioner

Bonnie Irby

Annual Water Diversion Report

Irrigation Year: 2002

Division: 4 Water District: 28

(2001-11-01 To 2002-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1							3.390					1
2							3.390					2
3							3.390					3
4							3.390					4
5							3.390					5
6							3.390					6
7							3.390					7
8							3.390					8
9							3.390					9
10							3.390					10
11							3.390					11
12							3.390					12
13							3.390					13
14							3.390					14
15							0 *					15
16												16
17												17
18												18
19												19
20										0 *		20
21												21
22												22
23												23
24												24
25												25
26												26
27												27
28												28
29							3.390*					29
30							3.390					30
31												31

Total SFD:	0.000	0.000	0.000	0.000	0.000	6.780	47.460	0.000	0.000	0.000	0.000	0.000
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Days Used:	0	0	0	0	0	2	14	0	0	0	0	0
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	3.390	3.390	0.000	0.000	0.000	0.000	0.000
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Total AF:	0.000	0.000	0.000	0.000	0.000	13.450	94.140	0.000	0.000	0.000	0.000	0.000
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Annual Total SFD:	54.240	SFD	* Indicates Observed data. U Indicates User supplied data.
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Total Days Used:	16	DAYS	All other data is interpreted from previous observed value.
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Annual Total Acre Feet:	107.585	AF	
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Water Commissioner

Bonnie Irby

Annual Water Diversion Report

Irrigation Year: 2003

Division: 4 Water District: 28

(2002-11-01 To 2003-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1								5.990	9.230			3.720
2							1.000 *	5.990	9.230			3.720
3							1.000	5.990	9.230			3.720
4							1.000	5.990	9.230			3.720
5							1.000	5.990	9.230			3.720
6							1.000	5.990	9.230			3.720
7							1.000	5.990	9.230			3.720
8							1.000	5.990	9.230			3.720
9							1.000	5.990	9.230			3.720
10							1.000	5.990	9.230			3.720
11							1.000	5.990	9.230			3.720
12							1.000	5.990	9.230			3.720
13							1.000	5.990	9.230			3.720
14							1.000	5.990	9.230			3.720
15							1.000	5.990	0 *			2.400 *
16							1.000	5.990				2.400
17							1.000	5.990				2.400
18							1.000	9.230 *				2.400
19							1.000	9.230				2.400
20							1.000	9.230				2.400
21							1.000	9.230				2.400
22							1.000	9.230		0 *		2.400
23								1.000	9.230			3.720 *
24								5.990 *	9.230			3.720
25								5.990	9.230			3.720
26								5.990	9.230			3.720
27								5.990	9.230			3.720
28								5.990	9.230			3.720
29							0 *	5.990	9.230			3.720
30								5.990	9.230			3.720
31								5.990				2.400

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	69.920	221.820	129.220	0.000	29.760	92.880
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Days Used:	0	0	0	0	0	0	30	30	14	0	8	31
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	2.331	7.394	9.230	0.000	3.720	2.996
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	138.690	439.980	256.310	0.000	59.030	184.230
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Annual Total SFD:	543.600	SFD	* Indicates Observed data. U Indicates User supplied data.									
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Total Days Used:	113	DAYS	All other data is interpreted from previous observed value.									
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Annual Total Acre Feet:	1078.231	AF										
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Water Commissioner

Bonnie Irby

Annual Water Diversion Report

Irrigation Year: 2004

Division: 4 Water District: 28

(2003-11-01 To 2004-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1								8.190	9.380	8.190		2.880
2								8.190	9.380	8.190		2.880
3								8.190	9.380	8.190		2.880
4								8.190	9.380	8.190		2.880
5								8.190	9.380	8.190		2.880
6								8.190	9.380	8.190		2.880
7								8.190	9.380	8.190		2.880
8								8.190	9.380	8.190		2.880
9								8.190	9.380	8.190		2.880
10								8.190	9.380	0*		2.880
11							8.190 *	8.190	9.380			2.880
12							8.190	8.190	9.380			2.880
13							8.190	8.190	9.380			2.880
14							8.190	8.190	9.380			2.880
15							8.190	9.380 *	9.380			2.880
16							8.190	9.380	9.380			2.880
17							8.190	9.380	9.380			2.880
18							8.190	9.380	9.380			2.880
19							8.190	9.380	9.380			2.880
20							8.190	9.380	9.380	2.880*		2.880
21							8.190	9.380	9.380	2.880		2.880
22							8.190	9.380	8.190*	2.880		2.880
23							8.190	9.380	8.190	2.880		2.880
24							8.190	9.380	8.190	2.880		2.880
25							8.190	9.380	8.190	2.880		2.880
26							8.190	9.380	8.190	2.880		2.880
27							8.190	9.380	8.190	2.880	0*	2.880
28							8.190	9.380	8.190	2.880		2.880
29							8.190	9.380	8.190	2.880		2.880
30							8.190	9.380	8.190	2.880		30
31							8.190	8.190	8.190			31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	171.990	264.740	278.880	73.710	31.680	74.880
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Days Used:	0	0	0	0	0	0	21	30	31	9	11	26
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	8.190	8.825	8.996	8.190	2.880	2.880
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	341.140	525.110	553.160	146.200	62.840	148.520
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Annual Total SFD:	895.880	SFD	* Indicates Observed data. U Indicates User supplied data.									
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Total Days Used:	128	DAYS	All other data is interpreted from previous observed value.									
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Annual Total Acre Feet:	1776.978	AF										
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Water Commissioner

Bonnie Irby

Annual Water Diversion Report

Irrigation Year: 2005

Division: 4 Water District: 28

(2004-11-01 To 2005-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1									10.300	11.000		0.470
2									10.300	11.000		0.470
3									10.300	11.000		0.470
4									10.300	11.000		0.470
5									10.300	11.000		0.470
6									11.000*	11.000	3.390*	0.470
7									10.800 *	11.000	3.390	0.470
8									10.800	11.000	3.390	0.470
9									10.800	11.000	3.390	0.470
10									10.800	11.000	3.390	0.470
11								0 *	10.800	11.000	3.390	0.470
12									10.800	11.000	3.390	0.470
13									10.800	11.000	0.470*	0.470
14									10.800	11.000	0.470	0.470
15									10.800	11.000	0 *	0.470
16									10.800	11.000	0.470	0.470
17									10.300 *	11.000	0.470	0.470
18									10.300	11.000	0.470	0.470
19									10.300	11.000	0.470	0 *
20									10.300	11.000	0.470	20
21									10.300	11.000	0.470	21
22									10.300	11.000	0.470	22
23									10.300	11.000	0.470	23
24									10.300	11.000	0.470	24
25									10.300	11.000	0.470	25
26									10.300	11.000	0.470	26
27									10.300	11.000	0.470	27
28									10.300	11.000	0.470	28
29									10.300	11.000	0.470	29
30									10.300	11.000	0.470	30
31										11.000		31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	252.200	337.500	154.000	32.190	8.460
Days Used:	0	0	0	0	0	0	0	24	31	14	25	18
Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	10.508	10.887	11.000	1.288	0.470

Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	500.240	669.430	305.460	63.850	16.780
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Annual Total SFD: 784.350 SFD * Indicates Observed data. U Indicates User supplied data.
 Total Days Used: 112 DAYS All other data is interpreted from previous observed value.
 Annual Total Acre Feet: 1555.758 AF

Water Commissioner

Bonnie Irby

Annual Water Diversion Report

Irrigation Year: 2006

Division: 4 Water District: 28

(2005-11-01 To 2006-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1								11.900 *	9.080	4.050		3.500
2								11.900	9.080	4.050		3.500
3								11.900	9.080	4.050		3.500
4								11.900	9.080	4.050		3.500
5								11.900	9.080	4.050		3.500
6								11.900	4.050 *	4.050		2.490 *
7								11.900	4.050	4.050		2.490
8							9.080 *	11.900	4.050	4.050		2.490
9							9.080	11.900	4.050	4.050		2.490
10							9.080	11.900	4.050	4.050		2.490
11							9.080	11.900	4.050	4.050		2.490
12							9.080	11.900	4.050	4.050		2.490
13							9.080	11.900	4.050	4.050		2.490
14							9.080	11.900	4.050	4.050		2.490
15							9.080	11.900	4.050	4.050		2.490
16							11.000 *	11.900	4.050	4.050		2.490
17							11.000	11.900	4.050	4.050		2.490
18							11.000	11.900	4.050	4.050		2.490
19							11.000	9.080 *	4.050	4.050		2.490
20							11.000	9.080	4.050	4.050		2.490
21							11.000	9.080	4.050	4.050		2.490
22							11.000	9.080	4.050	4.050		2.490
23							11.000	9.080	4.050	4.050		2.490
24							11.000	9.080	4.050	4.050		0 *
25							11.000	9.080	4.050	4.050		
26							11.000	9.080	4.050	4.050	3.500 *	
27							11.000	9.080	4.050	4.050	3.500	
28							11.000	9.080	4.050	0 *	3.500	
29							11.000	9.080	4.050		3.500	
30							11.000	9.080	4.050		3.500	
31							11.000		4.050			31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	248.640	323.160	150.700	109.350	17.500	62.320
Days Used:	0	0	0	0	0	0	24	30	31	27	5	23
Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	10.360	10.772	4.861	4.050	3.500	2.710

Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	493.180	640.990	298.910	216.900	34.710	123.610
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Annual Total SFD: 911.670 SFD * Indicates Observed data. U Indicates User supplied data.
 Total Days Used: 140 DAYS All other data is interpreted from previous observed value.
 Annual Total Acre Feet: 1808.297 AF

Water Commissioner

Bonnie Irby

Annual Water Diversion Report

Irrigation Year: 2007

Division: 4 Water District: 28

(2006-11-01 To 2007-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1								10.300	10.000*			3.170
2								10.300	10.000			3.170
3								10.300	10.000			3.170
4								10.300	10.000			3.170
5								10.300	10.000			3.170
6								10.300	10.000			3.170
7								10.300	10.000			3.170
8								10.300	10.000			3.170
9								10.300	10.000			3.170
10							0 *	10.300	10.000			3.170
11								10.300	10.000			3.170
12								10.300	10.000			3.170
13								12.100 *	10.000			3.170
14								12.100	10.000			3.170
15								12.100	10.000	0 *		3.170
16								12.100	10.000			0 *
17								12.100	10.000			17
18								12.100	10.000			18
19								12.100	10.000			19
20								12.100	10.000			20
21								12.100	10.000			21
22								12.100	10.000			22
23								12.100	10.000			23
24								12.100	0 *			24
25								10.300 *	12.100			25
26								10.300	12.100		3.170*	26
27								10.300	12.100		3.170	27
28								10.300	12.100		3.170	28
29								10.300	12.100		3.170	29
30								10.300	12.100		3.170	30
31								10.300				31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	72.100	341.400	230.000	0.000	15.850	47.550
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Days Used:	0	0	0	0	0	0	7	30	23	0	5	15
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	10.300	11.380	10.000	0.000	3.170	3.170
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	143.010	677.170	456.210	0.000	31.440	94.320
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Annual Total SFD: 706.900 SFD * Indicates Observed data. U Indicates User supplied data.

Total Days Used: 80 DAYS All other data is interpreted from previous observed value.

Annual Total Acre Feet: 1402.136 AF

Water Commissioner

Bonnie Irby

Annual Water Diversion Report

Irrigation Year: 2008

Division: 4 Water District: 28

(2007-11-01 To 2008-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1								13.300	12.600	8.340		6.390
2								13.300	12.600	8.340		6.390
3								13.300	12.600	8.340		6.390
4								13.300	12.600	8.340		6.390
5								12.900 *	12.600	8.340		6.390
6								12.900	12.600	8.340		6.390
7								12.900	12.600	8.340		6.390
8								12.900	12.600	8.340		6.390
9								12.900	12.600	8.340		6.390
10								12.900	12.600	8.340		6.390
11								12.900	12.600	8.340		6.390
12							0 *	12.900	12.600	8.340		6.390
13								12.900	12.600	8.340		6.390
14								12.900	12.600	8.340		6.390
15								12.900	12.600	8.340		6.390
16								12.900	8.340 *	0 *		0 *
17								12.900	8.340			17
18								12.600 *	8.340			18
19								12.600	8.340			19
20							13.300 *	12.600	8.340			20
21								13.300	12.600	8.340		21
22								13.300	12.600	8.340	6.390 *	22
23								13.300	12.600	8.340	6.390	23
24								13.300	12.600	8.340	6.390	24
25								13.300	12.600	8.340	6.390	25
26								13.300	12.600	8.340	6.390	26
27								13.300	12.600	8.340	6.390	27
28								13.300	12.600	8.340	6.390	28
29								13.300	12.600	8.340	6.390	29
30								13.300	12.600	8.340	6.390	30
31								13.300	8.340			31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	159.600	384.700	322.440	125.100	57.510	95.850
Days Used:	0	0	0	0	0	0	12	30	31	15	9	15
Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	13.300	12.823	10.401	8.340	6.390	6.390

Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	316.570	763.050	639.560	248.140	114.070	190.120
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Annual Total SFD: 1145.200 SFD * Indicates Observed data. U Indicates User supplied data.
 Total Days Used: 112 DAYS All other data is interpreted from previous observed value.
 Annual Total Acre Feet: 2271.504 AF

Water Commissioner

Bonnie Irby

Annual Water Diversion Report

Irrigation Year: 2009

Division: 4 Water District: 28

(2008-11-01 To 2009-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1								6.520	5.230	6.920		1
2								6.520	6.920*	6.920		2
3								6.520	6.920	6.920	2.980*	3
4								6.520	6.920	6.920	2.980	4
5								6.520	6.920	0*	2.980	5
6								6.520	6.920		2.980	6
7								6.520	6.920		2.980	0*
8								6.520	6.920		2.980	8
9								5.230 *	6.920		2.980	9
10								5.230	6.920		2.980	10
11								5.230	6.920		2.980	11
12							0*	5.230	6.920		2.980	12
13								5.230	6.920		2.980	13
14								5.230	6.920		2.980	14
15								5.230	6.920		2.980	15
16								5.230	6.920		2.980	16
17								5.230	6.920		2.980	17
18								5.230	6.920		2.980	18
19								5.230	6.920		2.980	19
20								5.230	6.920		2.980	20
21								5.230	6.920		2.980	21
22								5.230	6.920		2.980	22
23								5.230	6.920		2.980	23
24								5.230	6.920		2.980	24
25								6.520 *	5.230	6.920	0*	25
26								6.520	5.230	6.920		26
27								6.520	5.230	6.920		0*
28								6.520	5.230	6.920		28
29								6.520	5.230	6.920		29
30								6.520	5.230	6.920		30
31								6.520		6.920		31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	45.640	167.220	212.830	27.680	65.560	0.000
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Days Used:	0	0	0	0	0	0	7	30	31	4	22	0
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	6.520	5.574	6.865	6.920	2.980	0.000
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	90.530	331.680	422.150	54.900	130.040	0.000
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Annual Total SFD: 518.930 SFD * Indicates Observed data. U Indicates User supplied data.

Total Days Used: 94 DAYS All other data is interpreted from previous observed value.

Annual Total Acre Feet: 1029.298 AF

Water Commissioner

Bonnie Irby

Annual Water Diversion Report

Irrigation Year: 2010

Division: 4 Water District: 28

(2009-11-01 To 2010-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1								12.940 *	8.490	6.650		1
2								12.940	8.490	6.650		2
3								12.940	8.490	6.650		3
4								12.940	8.490	6.650		4
5								12.940	8.490	6.650		5
6								12.940	8.490	6.650		6
7								12.940	8.490	6.650	3.830*	0*
8								12.940	8.340*	6.650	3.830	8
9								12.940	8.340	6.650	3.830	9
10								12.940	8.340	6.650	3.830	10
11								12.940	8.340	0*	3.830	11
12								12.940	8.340		3.830	12
13								12.940	8.340		3.830	13
14								12.940	8.340		3.830	14
15								12.940	8.340		3.830	15
16								12.940	8.340		3.830	16
17								12.940	8.340		3.830	17
18								8.490 *	8.340		3.830	18
19								8.490	8.340		3.830	19
20								8.490	6.650*		3.830	20
21								8.490	6.650		3.830	0*
22								8.490	6.650		3.830	22
23								8.490	6.650		3.830	23
24								8.490	6.650		3.830	24
25								8.490	6.650		3.830	25
26								8.490	6.650		3.830	26
27								8.490	6.650		0*	27
28								8.490	6.650			28
29								8.490	6.650			29
30								8.490	6.650			30
31								6.650				31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	330.350	239.310	66.500	76.600	0.000
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Days Used:	0	0	0	0	0	0	0	30	31	10	20	0
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	11.012	7.720	6.650	3.830	0.000
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	655.250	474.670	131.900	151.940	0.000
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Annual Total SFD: 712.760 SFD * Indicates Observed data. U Indicates User supplied data.

Total Days Used: 91 DAYS All other data is interpreted from previous observed value.

Annual Total Acre Feet: 1413.759 AF

Water Commissioner

Bonnie Irby

Annual Water Diversion Report

Irrigation Year: 2011

Division: 4 Water District: 28

(2010-11-01 To 2011-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1								6.390	13.300	7.340		2.780
2								6.390	13.300	7.340		2.780
3								6.390	13.300	7.340		2.780
4							0 *	6.390	13.300	7.340		2.780
5								6.390	13.300	7.340		2.780
6								6.390	13.300	7.340		2.780
7								9.690 *	10.000 *	7.340		2.780
8								9.690	10.000	7.340		2.780
9								9.690	10.000	7.340		2.780
10								9.690	10.000	7.340		2.780
11								9.690	10.000	7.340		2.780
12								9.690	10.000	7.340		2.780
13								9.690	10.000	7.340		2.780
14								9.690	10.000	7.340		2.780
15								9.690	10.000	7.340	2.780 *	2.780
16								9.690	10.000	7.340	2.780	2.780
17								13.300 *	10.000	7.340	2.780	2.780
18								13.300	10.000	7.340	2.780	2.780
19								13.300	10.000	0 *	2.780	1.530 *
20							6.390 *	13.300	10.000		2.780	1.530
21								6.390	13.300	10.000		2.780
22								6.390	13.300	10.000		2.780
23								6.390	13.300	10.000		2.780
24								6.390	13.300	10.000		2.780
25								6.390	13.300	10.000		2.780
26								6.390	13.300	10.000		2.780
27								6.390	13.300	10.000		2.780
28								6.390	13.300	7.340 *		2.780
29								6.390	13.300	7.340		2.780
30								6.390	13.300	7.340		1.530
31								6.390		7.340	0 *	31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	76.680	321.440	319.160	132.120	44.480	68.400
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Days Used:	0	0	0	0	0	0	12	30	31	18	16	30
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	6.390	10.715	10.295	7.340	2.780	2.280
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	152.090	637.580	633.050	262.060	88.230	135.670
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Annual Total SFD: 962.280 SFD * Indicates Observed data. U Indicates User supplied data.

Total Days Used: 137 DAYS All other data is interpreted from previous observed value.

Annual Total Acre Feet: 1908.682 AF

Water Commissioner

Bonnie Irby

Annual Water Diversion Report

Irrigation Year: 2012

Division: 4 Water District: 28

(2011-11-01 To 2012-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1							8.490	10.000 *		0.280	4.630	1
2						8.490*	8.490	10.000		0.280	4.630	2
3						8.490	8.490	10.000		0.280	4.630	3
4						8.490	8.490	10.000		0.280	4.630	4
5						8.490	8.490	10.000		0.280	4.630	5
6						8.490	8.490	10.000		0.280	4.630	6
7						8.490	8.490	10.000		0.280	4.630	7
8						8.490	8.490	10.000		0.280	4.630	8
9						8.490	8.490	10.000		0.280	4.630	9
10						8.490	8.490	10.000		0.280	4.630	10
11						8.490	8.490	10.000		0.280	4.630	11
12						8.490	8.490	10.000		0.280	4.630	12
13						8.490	8.490	10.000		0.280	4.630	13
14						8.490	8.490	10.000		0.280	0*	14
15						8.490	8.490	10.000		0.280		15
16						8.490	8.490	10.000		0.280		16
17						8.490	8.490	10.000	0.280*	0.280		17
18						8.490	8.490	5.740 *	0.280	0.280		18
19						8.490	8.490	5.740	0.280	0.280		19
20						8.490	8.490	5.740	0.280	0.280		20
21						8.490	8.490	5.740 *	0.280	0.280		21
22						8.490	8.490	0 *	0.280	0.280		22
23						8.490	8.490		0.280	0.280		23
24						8.490	8.490		0.280	0.280		24
25						8.490	8.490		0.280	0.280		25
26						8.490	8.490		0.280	0.280		26
27						8.490	8.490		0.280	0.280		27
28						8.490	8.490	0 *	0.280	0.280		28
29						8.490	8.490		0.280	0.280		29
30						8.490	8.490		0.280	0.280		30
31						8.490	8.490		0.280	4.630*		31

Total SFD:	0.000	0.000	0.000	0.000	0.000	246.210	263.190	192.960	4.200	13.030	60.190	0.000
Days Used:	0	0	0	0	0	29	31	21	15	31	13	0
Avg SFD:	0.000	0.000	0.000	0.000	0.000	8.490	8.490	9.189	0.280	0.420	4.630	0.000

Total AF:	0.000	0.000	0.000	0.000	0.000	488.360	522.040	382.740	8.330	25.850	119.390	0.000
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Annual Total SFD: 779.780 SFD * Indicates Observed data. U Indicates User supplied data.
 All other data is interpreted from previous observed value.

Total Days Used: 140 DAYS

Annual Total Acre Feet: 1546.694 AF

Water Commissioner

BONNIE IRBY

Annual Water Diversion Report

Irrigation Year: 2013

Division: 4 Water District: 28

(2012-11-01 To 2013-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1								6.120	4.750	0*		3.830
2							6.120 *	6.120	4.750			3.830
3							6.120	6.120	8.930 *		3.830*	3.830
4							6.120	6.120	8.930		3.830	3.830
5							6.120	6.120	8.930		3.830	3.830
6							6.120	6.120	8.930		3.830	3.830
7							6.120	6.120	8.930		3.830	0*
8							6.120	6.120	8.930		3.830	
9							6.120	6.120	8.930		3.830	
10							6.120	6.120	3.940 *		3.830	
11							6.120	6.120	3.940		3.830	
12							6.120	6.120	3.940		3.830	
13							6.120	6.120	3.940		3.830	
14							6.120	4.750 *	3.940		3.830	
15							6.120	4.750	3.940		3.830	
16							6.120	4.750	3.940		3.830	
17							6.120	4.750	3.940		3.830	
18							6.120	4.750	3.940		3.830	
19							6.120	4.750	3.940		3.830	
20							6.120	4.750	3.940		3.830	
21							6.120	4.750	3.940		3.830	
22							6.120	4.750	3.940		3.830	
23							6.120	4.750	3.940		3.830	
24							6.120	4.750	3.940		3.830	
25							6.120	4.750	3.940		3.830	
26							6.120	4.750	3.940		3.830	
27							6.120	4.750	3.940		3.830	
28							6.120	4.750	3.940		3.830	
29							6.120	4.750	3.940		3.830	
30							6.120	4.750	3.940		3.830	
31							6.120		3.940			31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	183.600	160.310	158.690	0.000	107.240	22.980
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Days Used:	0	0	0	0	0	0	30	30	31	0	28	6
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	6.120	5.344	5.119	0.000	3.830	3.830
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	364.170	317.970	314.760	0.000	212.710	45.580
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Annual Total SFD:	632.820	SFD	* Indicates Observed data. U Indicates User supplied data.									
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Total Days Used:	125	DAYS	All other data is interpreted from previous observed value.									
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Annual Total Acre Feet:	1255.198	AF										
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Water Commissioner

Bonnie Irby

Annual Water Diversion Report

Irrigation Year: 2014

Division: 4 Water District: 28

(2013-11-01 To 2014-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1								10.000	11.000		3.610	7.060
2								10.000	11.000		3.610	7.060
3								10.000	11.000		3.610	7.060
4								10.000	11.000		3.610	7.060
5								10.000	11.000		3.610	7.060
6								10.000	11.000		3.610	7.060
7								10.000	11.000		3.610	7.060
8								10.000	9.380*		3.610	7.060
9								10.000	9.380		3.610	7.060
10								10.000	9.380		3.610	7.060
11								11.000 *	9.380		3.610	7.060
12								11.000	9.380		3.610	7.060
13								11.000	9.380		3.610	7.060
14								11.000	9.380		3.610	7.060
15								11.000	9.380		3.610	7.060
16								11.000	9.380		3.610	7.060
17								11.000	9.380		3.610	7.060
18								11.000	9.380		3.610	7.060
19								11.000	9.380		3.390*	7.060
20								11.000	9.380		3.390	7.060
21								10.000 *	11.000		3.390	7.060
22								10.000	11.000		3.390	3.610*
23								10.000	11.000		3.390	3.610
24								10.000	11.000		7.060*	3.610
25								10.000	11.000		7.060	3.610
26								10.000	11.000		7.060	3.610
27								10.000	11.000		3.610*	3.610
28								10.000	11.000	0*	3.610	7.060
29								10.000	11.000		3.610	7.060
30								10.000	11.000		3.610	0 *
31								10.000			3.610	31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	110.000	320.000	264.600	18.050	131.350	177.140
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Days Used:	0	0	0	0	0	0	11	30	27	5	30	29
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	10.000	10.667	9.800	3.610	4.378	6.108
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	218.190	634.720	524.830	35.800	260.530	351.360
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Annual Total SFD:	1021.140	SFD	* Indicates Observed data. U Indicates User supplied data.									
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Total Days Used:	132	DAYS	All other data is interpreted from previous observed value.									
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Annual Total Acre Feet:	2025.431	AF										
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Water Commissioner

JACK BRAZINSKY

Annual Water Diversion Report

Irrigation Year: 2015

Division: 4 Water District: 28

(2014-11-01 To 2015-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1								9.690	2.020			1
2								9.690	2.020			2
3								9.690	2.020			3
4								9.690	2.020	0*		4
5								9.690	2.020			5
6								9.690	2.020			6
7								9.690	2.020			7
8							3.390 *	9.690	2.020			8
9							3.390	9.690	8.780 *			9
10							3.390	9.690	8.780	4.050*		10
11							3.390	9.690	8.780	4.050		11
12							3.390	2.020 *	8.780	4.050		12
13							3.390	2.020	8.780	4.050		13
14							3.390	2.020	8.780	4.050		14
15							3.390	2.020	8.780	4.050		15
16							3.390	2.020	8.780	4.050		16
17							3.390	2.020	8.780	0*		17
18							3.390	2.020	8.780			18
19							3.390	2.020	8.780			19
20							3.390	2.020	8.780			20
21							9.690 *	2.020	8.780			21
22							9.690	2.020	8.780			22
23							9.690	2.020	0*			23
24							9.690	2.020				24
25							9.690	2.020				25
26							9.690	2.020				26
27							9.690	2.020				27
28							9.690	2.020				28
29							9.690	2.020				29
30							9.690	2.020				30
31							9.690					31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	150.660	144.970	139.080	0.000	28.350	0.000
Days Used:	0	0	0	0	0	0	24	30	22	0	7	0
Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	6.278	4.832	6.322	0.000	4.050	0.000

Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	298.830	287.550	275.870	0.000	56.230	0.000
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Annual Total SFD: 463.060 SFD * Indicates Observed data. U Indicates User supplied data.
 All other data is interpreted from previous observed value.

Total Days Used: 83 DAYS

Annual Total Acre Feet: 918.480 AF

Water Commissioner

Jack G. Brazinsky

Annual Water Diversion Report

Irrigation Year: 2016

Division: 4 Water District: 28

(2015-11-01 To 2016-10-31)

Structure Name: TARKINGTON DITCH (704) Source: NATURAL STREAMFLOW (1)
 Source Stream: GOLD CREEK (4333) From:
 Use: IRRIGATION (1)
 Type:
 Group:

Day	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1								11.600 *	8.190			4.050
2								11.600	8.190			4.050
3								11.600	8.190			4.050
4								11.600	8.190			4.050
5								11.600	8.190			4.050
6								11.600	8.190			4.050
7								11.600	8.190			4.050
8								11.600	8.190			4.050
9								11.600	8.190			4.050
10								11.600	8.190			4.050
11								11.600	8.190			4.050
12								11.600	10.000 K	0 *		4.050
13								11.600	10.000		4.050 *	4.050
14								8.490 *	10.000		4.050	4.050
15								8.490	10.000		4.050	4.050
16								8.490	10.000		4.050	4.050
17								8.490	10.000		4.050	4.050
18								8.490	10.000		4.050	4.050
19								8.490	10.000		4.050	4.050
20								8.490	10.000		4.050	4.050
21								8.490	5.990 *		4.050	4.050
22								8.490	5.990		4.050	4.050
23								8.490	5.990		4.050	4.050
24								8.490	5.990		4.050	4.050
25								8.490	5.990		4.050	4.050
26								8.490	5.990		4.050	2.980 *
27								8.490	0 K		4.050	2.980
28								8.490			4.050	2.980
29								8.190 *			4.050	2.980
30								8.190			4.050	2.980
31											2.980	31

Total SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	294.530	216.030	0.000	72.900	119.130
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Days Used:	0	0	0	0	0	0	0	30	26	0	18	31
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Avg SFD:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	9.818	8.309	0.000	4.050	3.843
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Total AF:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	584.200	428.500	0.000	144.600	236.290
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Annual Total SFD:	702.590	SFD	* Indicates Observed data. U Indicates User supplied data.								
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Total Days Used:	105	DAYS	All other data is interpreted from previous observed value.								
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Annual Total Acre Feet:	1393.587	AF									
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Water Commissioner

Jack Brazinsky

Attachment G- USGS Topographic Quadrangle Maps

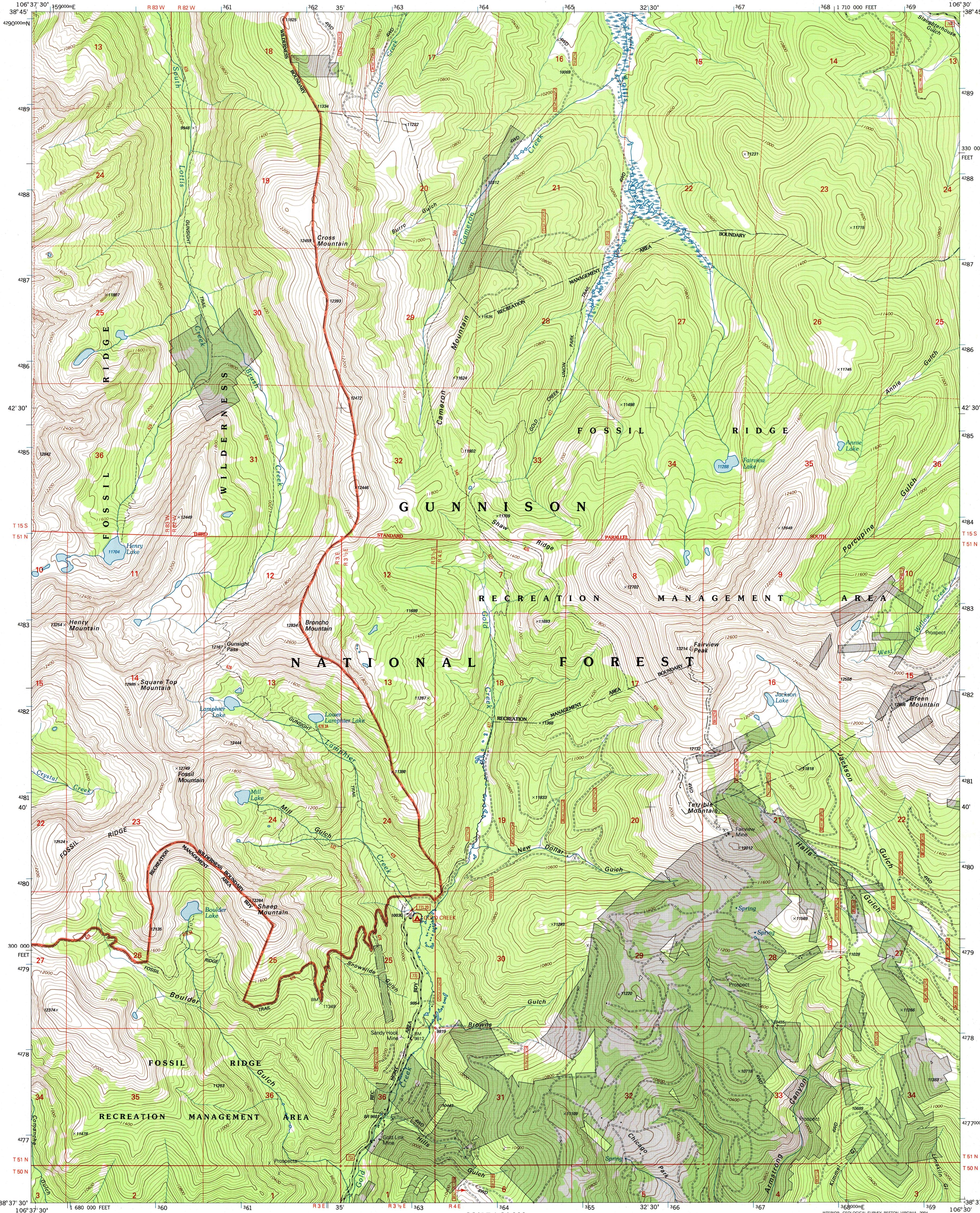


**U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY**



**U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE**

**FAIRVIEW PEAK QUADRANGLE
COLORADO-GUNNISON CO.
7.5-MINUTE SERIES (TOPOGRAPHIC)**



Produced by the United States Geological Survey 1979
Printed by USGS, Fort Collins, Colorado

Revision by USDA Forest Service 2001

Topography compiled 1964. Planimetry derived from image.

Topography compiled 1964. Planimetry derived from imagery taken 1999 and other sources. Public Land Survey System and survey control current as of 2002. Boundaries current as of 2002

North American Datum of 1927 (NAD 27). Projection and 10 000-foot ticks:

North American Datum of 1927 (NAD 27). Projection and 10 000-foot Colorado coordinate system, central zone (Lambert conformal conic). Blue 1000-meter Universal Transverse Mercator ticks, zone 13

North American Datum of 1983 (NAD 83) is shown by dashed corner ticks
The values of the shift between NAD 27 and NAD 83 for 7.5-minute

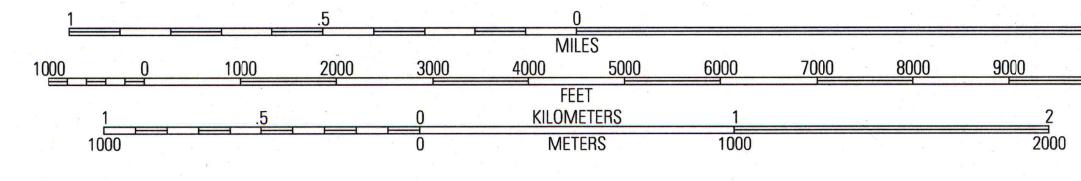
Non-National Forest System lands within the National Forest

Non-National Forest System lands within the National Forest Inholdings may exist in other National or State reservations

This map is not a legal land line or ownership document. Public lands are subject to change and leasing, and may have access restrictions; check with BLM or USFS for details.

subject to change and leasing, and may have access restrictions, check with local offices. Obtain permission before entering private lands

Unsurveyed land net is not official



CONTOUR INTERVAL 40 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
TO CONVERT FROM FEET TO METERS, MULTIPLY BY 0.3048

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, P.O. BOX 25286, DENVER, COLORADO 80225
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

1	2	3	1 Matchless Moun
			2 Taylor Park Re
4		5	3 Tincup
			4 Crystal Creek
6	7	8	5 Cumberland P
			6 Parlin
			7 Pitkin
			8 Whitepine

ADJOINING 7.5' QUADRANGLES

Interstate		Primary highway	
U. S.		Secondary highway.....	
State		Light-duty road	
County		Composition: Unspecified...	
National Forest, suitable for passenger cars		Paved	
National Forest, suitable for high clearance vehicles		Gravel	
		Dirt	
		Unimproved; 4 wheel drive	
		Trail	
		Gate; Barrier.....	

FAIRVIEW PEAK, CO

2001
28106 E5 TE 084

38106-F5-TF-024
4661 II NE-SERIES V877

MA 4001 II NE-SERIES V877

