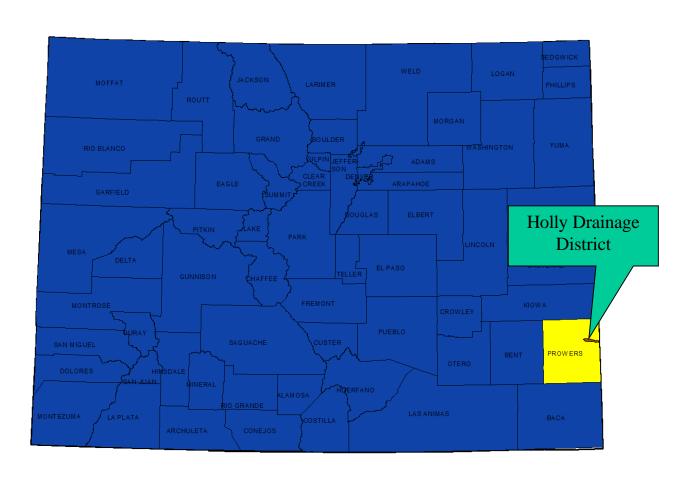
Holly Drainage District System Inventory

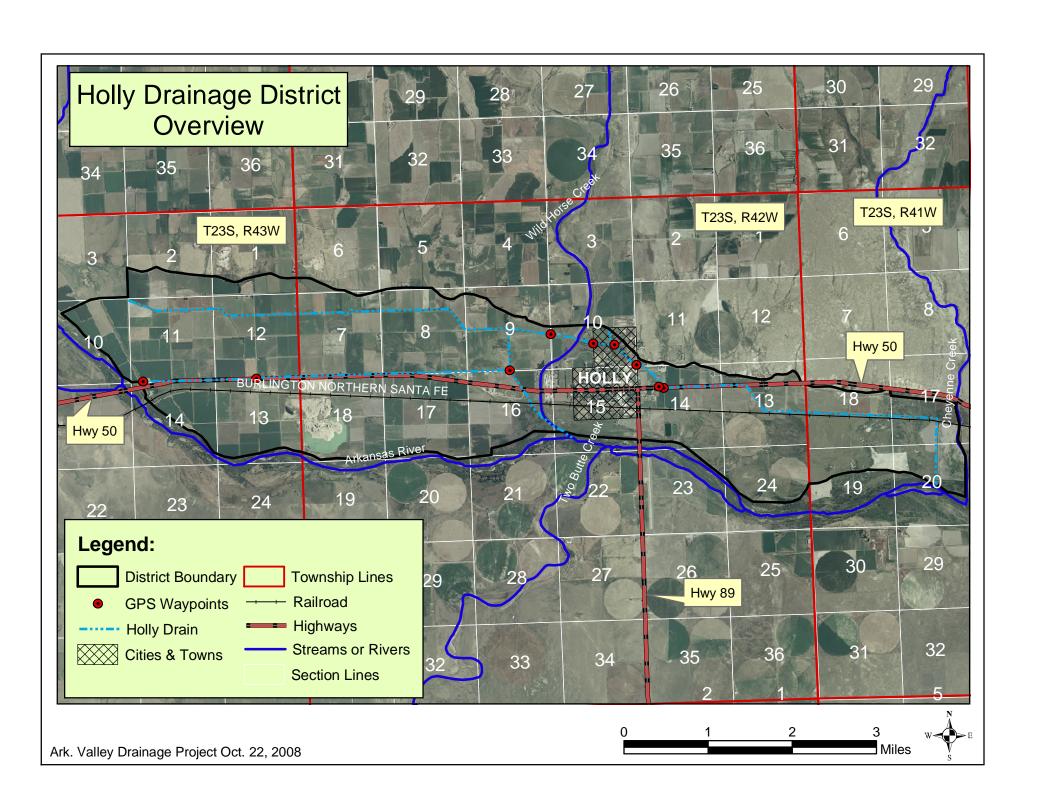


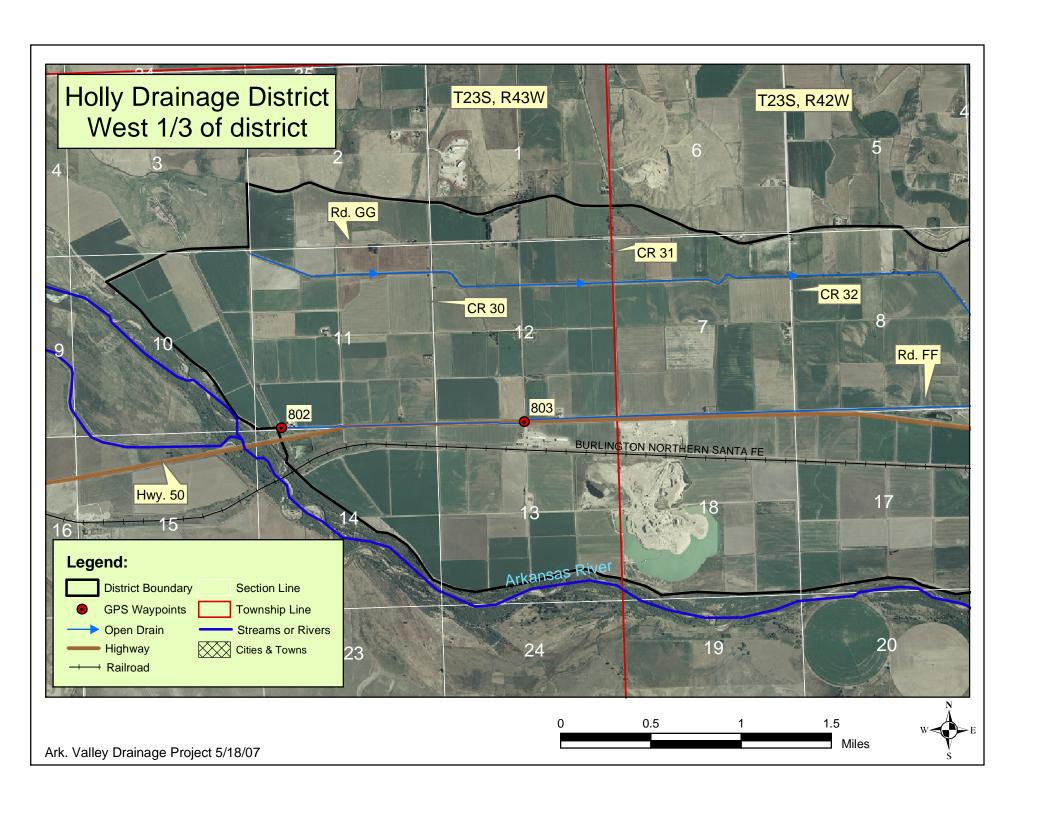
May 18 2007, Oct. 22, 2008

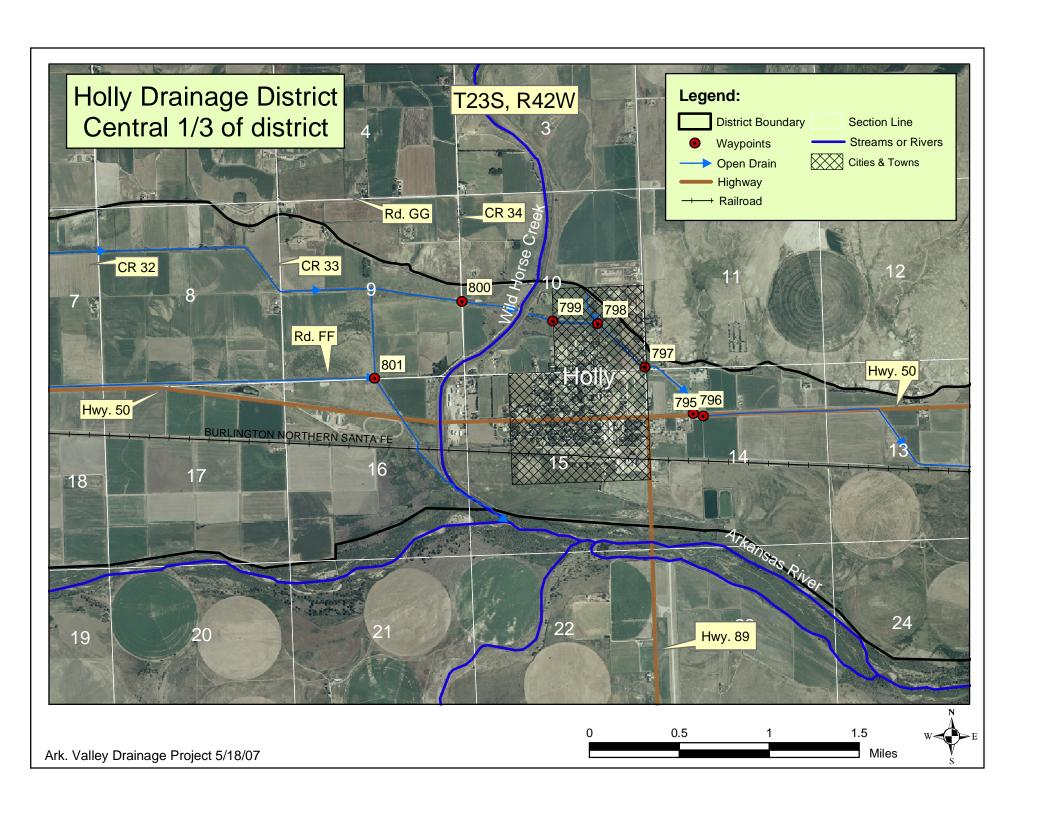
Prepared with the assistance of John Golden, Calvin Melcher, Sherry Wagner and Walter Epley
The Lower Arkansas Valley Drainage System Rehabilitation Study
Colorado State Univ., Dr. John Wilkins-Wells, Sociology Water Lab
Clark Building B258, Fort Collins, CO 80523 Ph: 970-491-5635

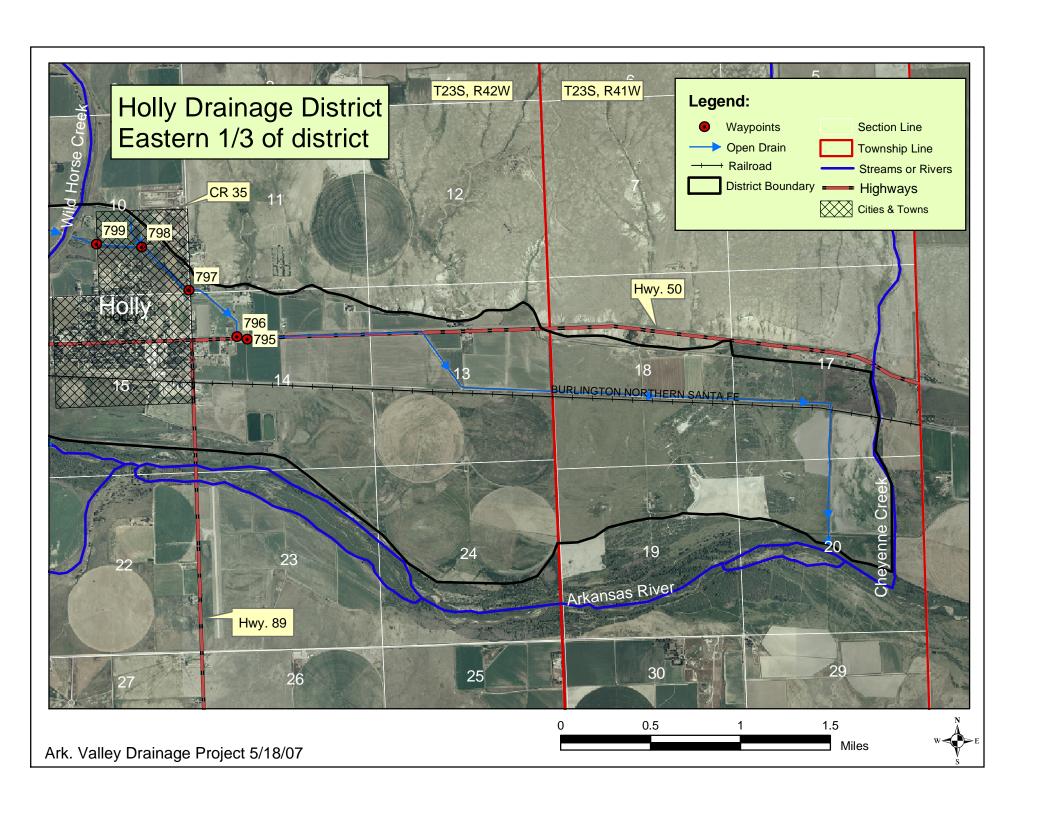
Location of Holly Drainage District In Colorado And Prowers County

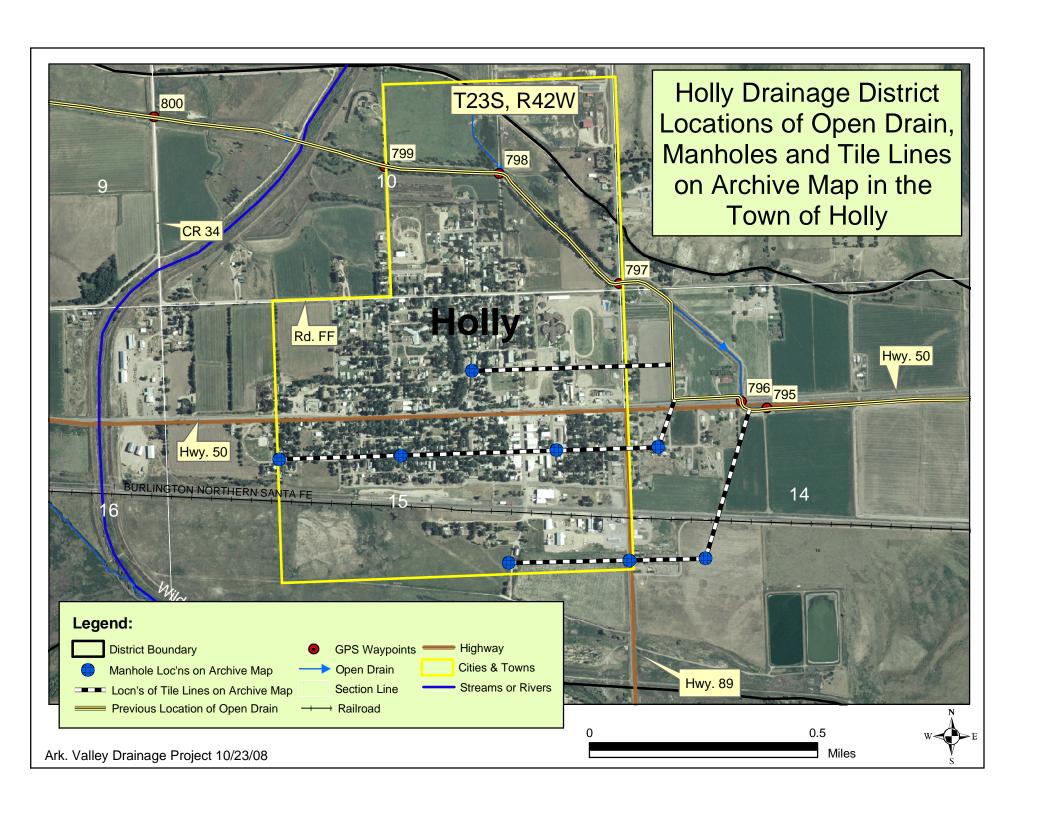


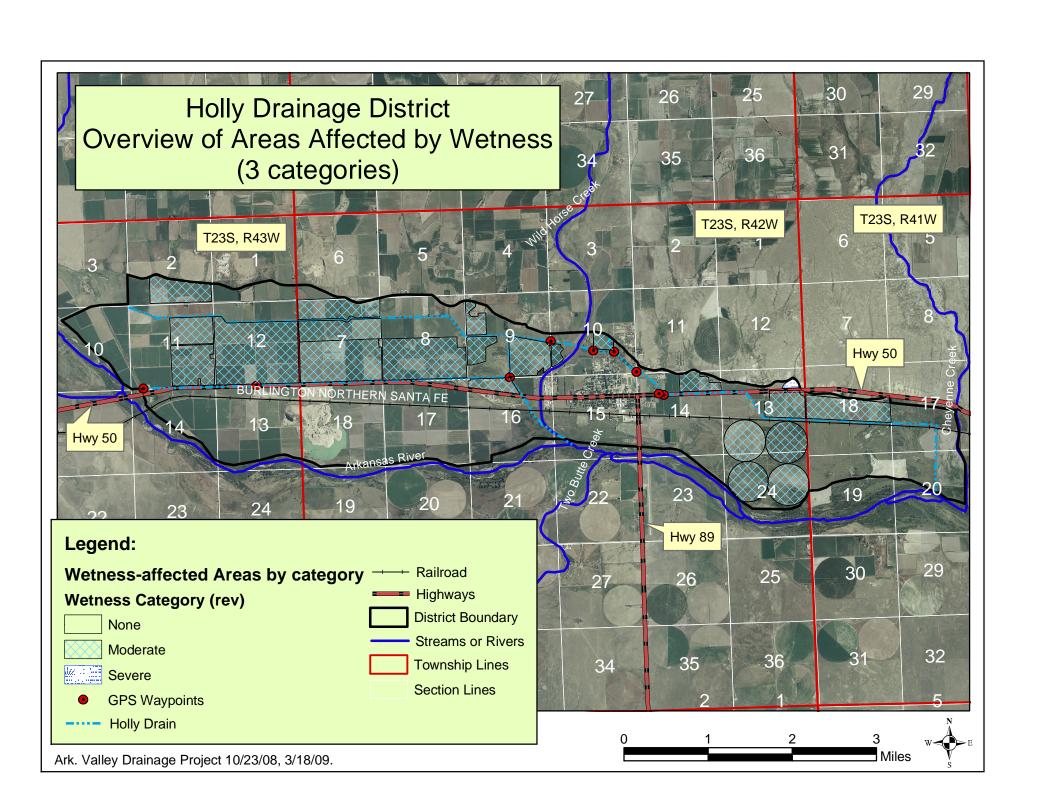


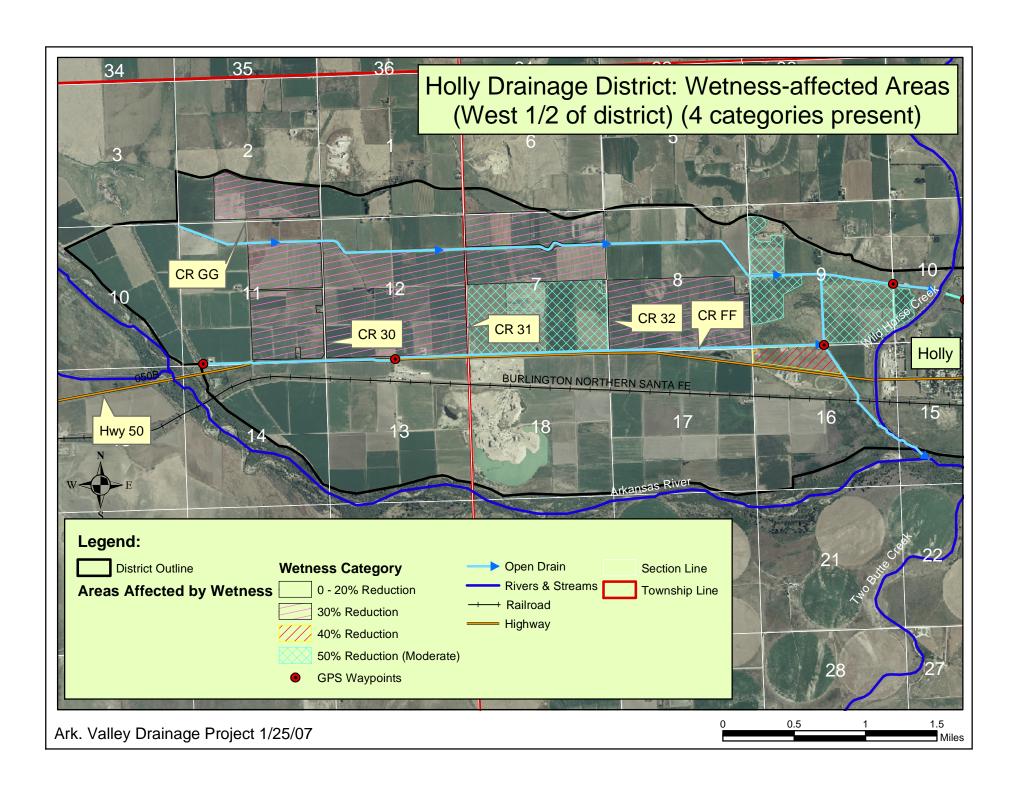


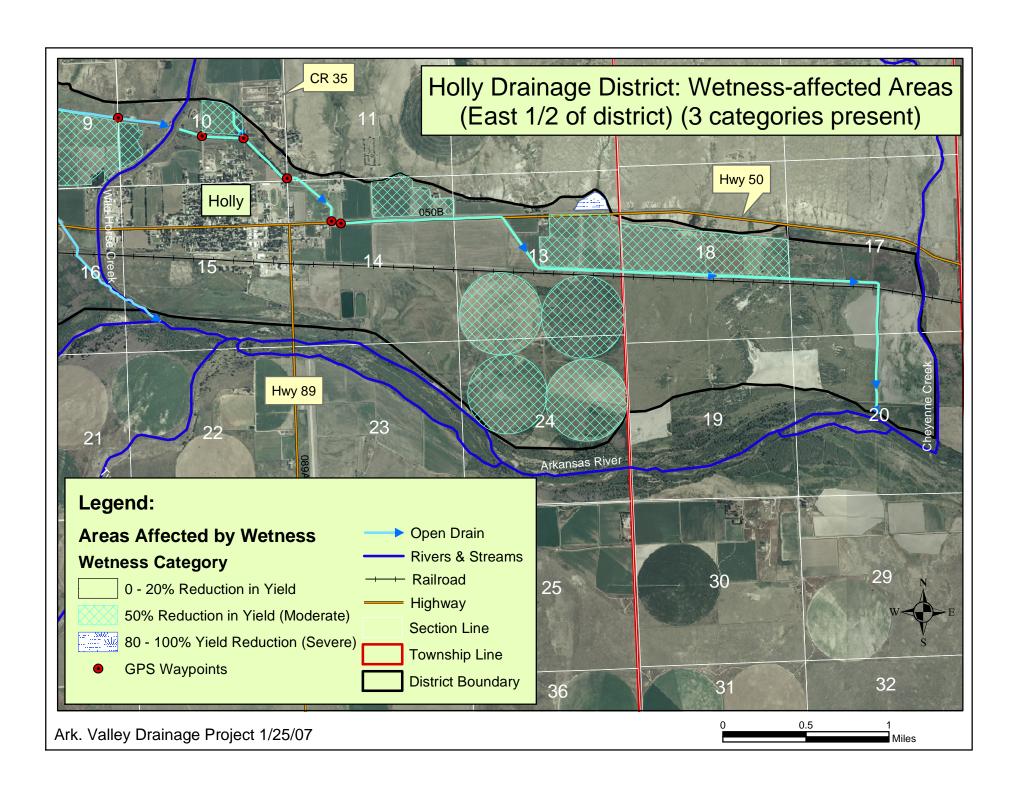


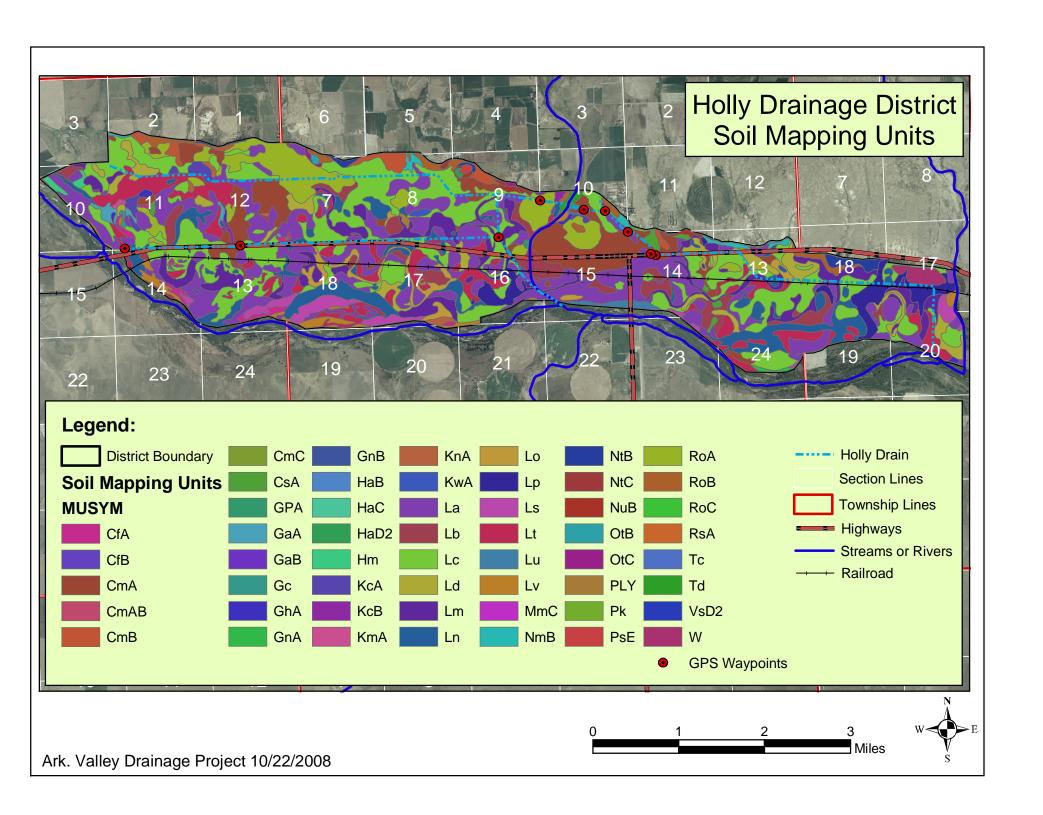


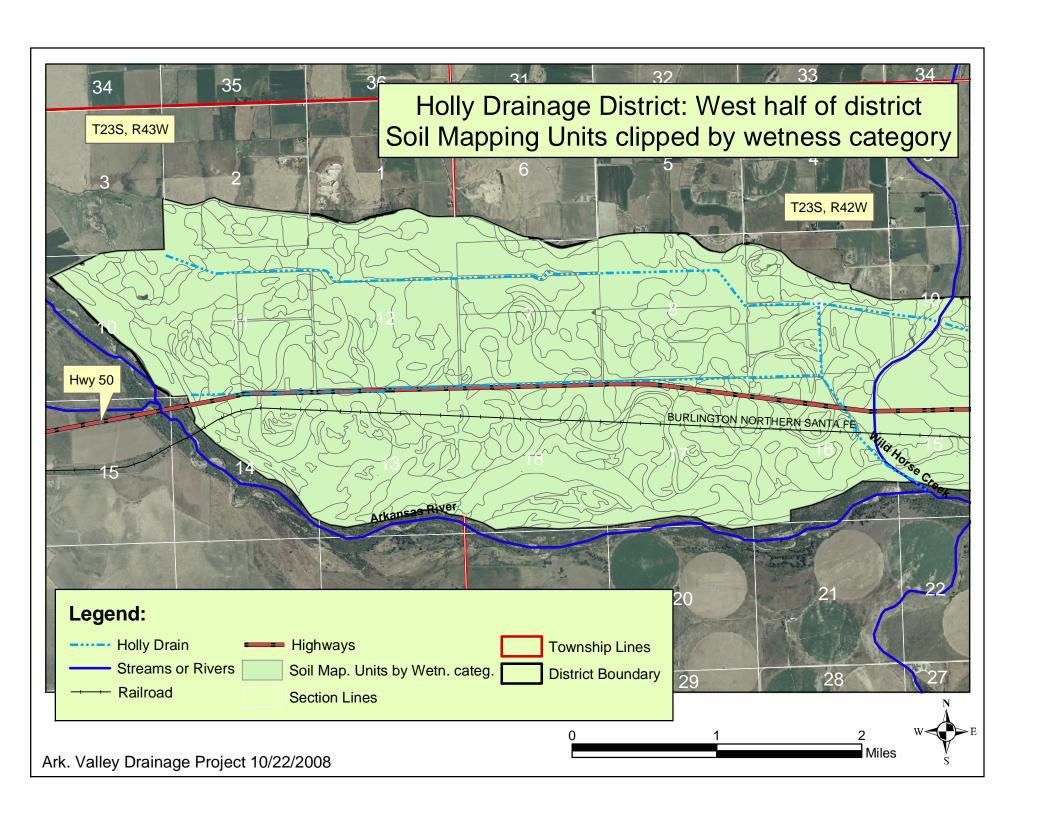


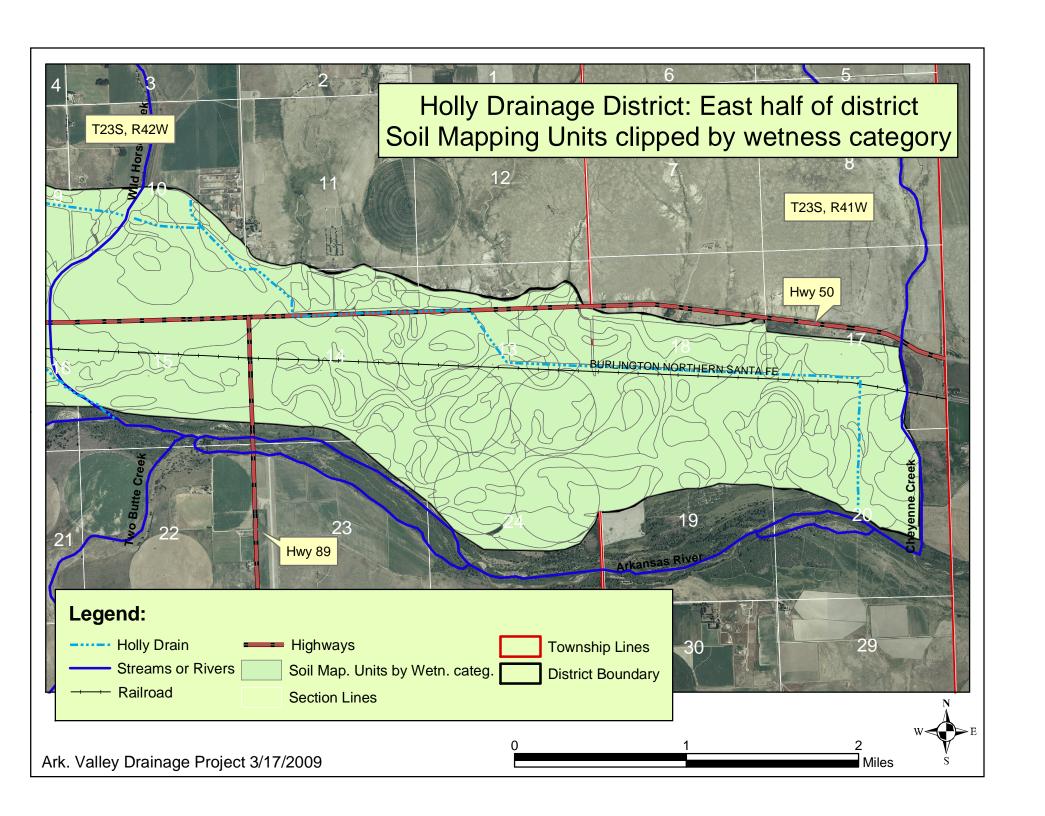












Drainage District Infrastructure notes on the Holly Drainage District located in Prowers County, Colorado. This district includes all or parts of Sections 17 - 20 of T23S, 41W, Sections 5-11, 13-18, 20, 21, 23, 24 of T23S, 42W, and Sections 1-3, 10-14 of T23S, R43W.

A few key waypoints and notes were taken on November 6, 2006. We used the Garmin GPSmap76 handheld unit with a backpack differential correction unit for the waypoints. Waypoints and notes were done with the help of John Golden, Calvin Melcher, Sherry Wagner and Walter Epley.

General Notes:

- 1. Holly Drainage District, situated around the community of Holly, Colorado on the flat river bottom of the Arkansas River in southeastern Colorado, maintains open drains on lands irrigated with water from the Buffalo Canal lying on the north edge of the district. They were originally constructed in 1923. Tile lines are present within the district boundaries, but are, by district policy, individually maintained. All persons within the district boundaries contribute through the county tax structure to the district revenues collected for ongoing maintenance.
- 2. For this report, we have located and identified the open drains that are functioning as district drains based on visual inspection with the assistance of Calvin Melcher. In addition, we have used information from several sources including aerial photo interpretation. Black and white aerial photos from the NRCS, and color photos for the year 2005 were used to assist in the location of the drain lines. Archive maps of old tile lines in the district were provided for inspection by John Golden.
- 3. Maintenance on the open drains is conducted regularly by the district. Mr. Melcher indicated that land in the district is all affected to some degree by wetness issues, and that yields across the district may be reduced by approximately 20% due to issues related to wetness. The map showing wetness categories indicates areas that are affected to a greater degree. Other issues relating to drainage in the district include upkeep on right-of-ways under the jurisdiction of organizations outside the district such as railroads, or state highways. Areas with special issues are indicated by individual notes at the end of the waypoint log.
- 4. The spreadsheet included at the end of these notes shows the recorded waypoint number (ident), latitude, longitude, and date and time of reading.

Waypoint Log:

Waypoint 795:

Taken on the centerline of the Holly Main Drain. This is the South Main Ditch, with a depth of approximately 20-30 feet below the surrounding ground surface elevation. There is water in the bottom flowing eastward with a depth, which appears to be at least 1 foot deep.

Waypoint 796:

Taken on the centerline of Hwy. 50 and the centerline of the North Holly Drain. This drain flows southward at this location.

Waypoint 797:

Taken on the centerline of Hwy. 89 and the centerline of the North Holly Drain.

Waypoint 798:

Taken on the centerline of north Main Street and the centerline of the North Holly Drain on top of a new culvert, which is being installed at this location. The drain is predominantly east-west in orientation west of this point, but turns southeastward from this point eastward and is northwest-southeast in orientation. It flows southeastward from this location.

Waypoint 799:

Taken on the centerline of the North Holly Drain and the centerline of 8th Street in Holly.

Waypoint 800:

Taken on the centerline of CR 34 and the east end of a portion of the North Holly Drain. Flow at this location is toward the west. Originally, before the Horse Creek drain alignment was reconfigured, this drain continued onward around the north side of Holly. The new Horse Creek drain configuration blocked the drain flow at Horse Creek. It now flows westward at this location, and southward in an open drain starting in the center of Section 9, T23S, R42W. Wetness and drain backup issues have increased due to the new alignment of Horse Creek. To the east of this waypoint, water is ponded, and on the west side of this waypoint, water fills the bottom of the ditch where cattails grow.

Waypoint 801:

Taken on the centerline of a portion of the North Holly Drain, a north-south oriented open drain and the South Holly Drain, an east-west oriented open drain on CR FF. The bottom of the drains is approximately 8 to 10 feet below the surrounding ground level, with water at the bottom approximately 8 feet wide and 1 foot deep at the time of this reading.

Waypoint 802:

Taken at the beginning of the South Holly Drain.

Waypoint 803:

Taken at a "jog" in the east-west oriented South Holly Drain, where it crosses under Hwy. 50 in a northeasterly direction moving from the south bar ditch of Hwy. 50 to the north bar ditch of Hwy. 50. This particular location is taken on top of the culvert as it begins going under Hwy. 50 on the south edge of the roadway. At this location, the ditch is approximately 6 feet deep with water flowing northeastward approximately 3 feet wide and 6 inches deep.

Notes on areas causing special wetness issues:

Note 2:

Blocked during the construction of the Horsecreek drain, water at this location in the Holly drain is backed up to the middle of Section 9 where it flows southward. The net effect is to make the area in the east half of Section 9 and the west half of Section 10 wet.

Note 3:

The area around this point, especially to the east of it has increased seepiness due to the backup of water from the Horsecreek Drain.

Note 4:

The culvert under the railroad tracks at this point sits about 2 feet above the drain bottom, causing water to back up behind it to the north of this point.

Note 5:

Another location where the culvert under the railroad carrying drain water to the south sits above the drain bottom, and backs up water to the north and west of this point.

Some infrastructure notes about the district:

Notes on Holly Drainage District – Areas of wetness/drainage infrastructure

Total measured district area(within outside boundary) (ArcView) = 9,821.6 acres

Total Measured Area- Sum of soil Map Unit areas = 9,783.4 acres

Note: some loss due to clipping, and deletion of areas less than 0.1 acre.

Estimation by NRCS staff in Holly of areas experiencing reduction in yields:

Area with 0-20% Yield Reduction	6,948.0	acres
Area with 30% Yield Reduction	1,440.0	"
Area with 40% Yield Reduction	51.2	"
Area with 50% Yield Reduction (Moderate)	1,373.2	"
Area that is not croppable (Severe)	9.1	"

We have done some generalizing to match the estimations in other districts, and for usage in the cost-benefit spreadsheet. The generalized categories are as follows:

Area with no effect on yield	6,948.0 acres
Area with moderate or 50% reduction in yields	2,864.5 acres
Area with severe or 100% reduction in yields	9.1 acres

Length of Open Drain (ArcView)

North Drain	61,016 feet	= 11.56 miles
East Drain	29,672 feet	= 5.62 miles
Total Miles of open drain	90,688 feet	= 17.18 miles

Ark. Valley Drainage Project 5/17/07, 10/22/08

Waypoint Log Holly Drainage District

Page 4 JG, CM, SW, WE

Infrastructure work pending/required:
 Clean 9 miles of open drain.
 Clean subdrains.

Following is a spreadsheet of the waypoint logs showing the waypoint number (ident), the occasion of taking the waypoint, or what it was (Type), Latitude and Longitude readings, and the date and time (Comment) when the waypoint was taken. On the page following these logs is a key to the items under "Type".

Ident	Lat	Long	Comment	Туре
795	38.05317773	-102.1128178	11/6/2006 16:11	OpenDitch
796	38.05342021	-102.1138332	11/6/2006 16:14	DitchRdCro
797	38.0572753	-102.1185983	11/6/2006 16:20	DitchRdCro
798	38.06088841	-102.123274	11/6/2006 16:23	DitchRdCro
799	38.06121061	-102.127856	11/6/2006 16:28	DitchRdCro
800	38.06302219	-102.1370547	11/6/2006 16:32	DitchRdCro
801	38.05703508	-102.1461681	11/6/2006 16:36	DitchRdCro
802	38.05702737	-102.2260536	11/6/2006 16:48	OpenDitch
803	38.05692268	-102.2013723	11/6/2006 16:56	DitchRdCro

	Possible Entry	Explanation Key
Field Title		
Ident		GPS Waypoint Identification Number
Lat		Latitude of reading
Lon		Longitude of reading
Comment		Date and time of reading
Type		
	Manhole	Manhole
	ManhBur	Buried Manhole
	ObsPoint	observation point - generally vert. Pipe extending to tile line from surface
	Inlet	Inlet, or beginning of line
	TileOutlet	End of tile line dumping into seep ditch, or open drain
	BurOutl	Outlet of a tile drain that is buried beneath the surface
	OpenDitch	Open drainage ditch. Seep Ditch
	TileLoc	Location of Tile Line
		Loc. of Tile Junction where more than two lines
	TileJunc	meet
	TileElbow	Loc. of Elbow in tile line where line bends
	TileRdCross	Crossing of Tile Line under Road
	DitchRdCro	Crossing of Open Ditch under Road
	CanalTileCross	Crossing of Tile Line under Canal
		Location of point where tile has been repaired: generally visible soil disturbance
	Sinkhole	Loc. of place where soil has washed down into tile line, leaving an open hole
	Openhole	Open hole in ground, varying depths and sizes. Relates to tile location.
	FieldObs	Location of relevant condition observed in the field relating to the possible location of tile lines.
	SurfDrainStr	Structure for drainage of surface water. May be culvert, or similar structure.

Walter F. Epley Research Assistant Colorado State University Sociology Water Lab B258 Clark Building Fort Collins, CO 80523 Phone Off: 970-491-5635 Cell: 303-842-0265

Holly Drainage District Areas of each soil mapping unit classified by wetness categories

	Α	В	С	D	Е	F
1	MUSym	WetnCatOrig	WetnCatRev	MUSym	MUKey	Area_AC
2	CfA	Moderate	Moderate	CfA	94798	2.7
3	CfA	30pctReduction	Moderate	CfA	94798	3.3
4	CfA		None	CfA	94798	3.6
5	CfA		None	CfA	94798	11.5
6	CfA		None	CfA	94798	0.7
7	CfA		None	CfA	94798	4.6
8	CfA		None	CfA	94798	14
9	CfA		None	CfA	94798	19.4
10	CfA		None	CfA	94798	3.5
11	CmA	Moderate	Moderate	CmA	94802	6.6
12	CmA	Moderate	Moderate	CmA	94802	12.6
13	CmA	Moderate	Moderate	CmA	94802	7.2
14	CmA	Moderate	Moderate	CmA	94802	13
15	CmA	Moderate	Moderate	CmA	94802	5.3
16	CmA	Moderate	Moderate	CmA	94802	7.1
17	CmA	Moderate	Moderate	CmA	94802	17
18	CmA	30pctReduction	Moderate	CmA	94802	5
19	CmA	Moderate	Moderate	CmA	94802	8.2
20	CmA	Moderate	Moderate	CmA	94802	0.8
21	CmA	30pctReduction	Moderate	CmA	94802	4.2
22	CmA CmA	30pctReduction	Moderate Moderate	CmA	94802	84.8
23	CmA CmA	30pctReduction		CmA	94802	65.3
24 25	CmA	30pctReduction 30pctReduction	Moderate Moderate	CmA CmA	94802 94802	8.9 1.5
_		•				21.8
26 27	CmA CmA	30pctReduction	Moderate	CmA	94802	
28	CmA	30pctReduction	Moderate None	CmA CmA	94802 94802	5.5 2.5
29	CmA		None	CmA	94802	1.3
30	CmA		None	CmA	94802	8.3
31	CmA		None	CmA	94802	11
32	CmA		None	CmA	94802	6.6
33	CmA		None	CmA	94802	18.5
34	CmA		None	CmA	94802	9.3
35	CmA		None	CmA	94802	339.3
36	CmA		None	CmA	94802	26.3
37	CmA		None	CmA	94802	1.1
38	CmA		None	CmA	94802	7.2
39	CmA		None	CmA	94802	20
40	CmA		None	CmA	94802	1.2
41	CmA		None	CmA	94802	2.4
	CmB	Moderate	Moderate	CmB	94804	8.2
43	CmB	Moderate	Moderate	CmB	94804	1.4
44	CmB	30pctReduction	Moderate	CmB	94804	5.7
45	CmB	30pctReduction	Moderate	CmB	94804	8.9
46	CmB	30pctReduction	Moderate	CmB	94804	14.5
47	CmB		None	CmB	94804	0.9
48	CmB		None	CmB	94804	2.6
49	CmB		None	CmB	94804	8.5
50	CmB		None	CmB	94804	41.1
51	CmB		None	CmB	94804	17.4
52	CmB		None	CmB	94804	2.1
53	CsA	Moderate	Moderate	CsA	94807	2.5
54	CsA	Moderate	Moderate	CsA	94807	5.5
55	CsA	Moderate	Moderate	CsA	94807	7.5
56	CsA	Moderate	Moderate	CsA	94807	0.6
57	CsA	30pctReduction	Moderate	CsA	94807	2.2
58	CsA	30pctReduction	Moderate	CsA	94807	0.8
59	CsA		None	CsA	94807	3
60	CsA		None	CsA	94807	9.3
61	CsA		None	CsA	94807	2.5
62	CsA		None	CsA	94807	2.3

Holly Drainage District Areas of each soil mapping unit classified by wetness categories

	А	В	С	D	Е	F
1	MUSym	WetnCatOrig	WetnCatRev	MUSym	MUKey	Area AC
-		VVCtilOatOrig		-		_
63	CsA	20	None	CsA	94807	5.7
64	GaA	30pctReduction	Moderate	GaA	94813	7.5
65	GaA	30pctReduction	Moderate	GaA	94813	1
66	GaA		None	GaA	94813	22.3
67	GaA		None	GaA	94813	5.7
68	Gc		None	Gc	94816	6.1
69	GhA	30pctReduction	Moderate	GhA	94818	3.8
70	GhA		None	GhA	94818	7.3
71	GhA		None	GhA	94818	3.2
72	GhA		None	GhA	94818	4.8
73	GhA		None	GhA	94818	3.8
74	GnA		None	GnA	94821	0.5
75	GnA		None	GnA	94821	1.4
76	GnA		None	GnA	94821	8.8
77	GnB	30pctReduction	Moderate	GnB	94823	2.8
78	GPA		None	GPA	94851	5.5
79	GPA		None	GPA	94851	3.7
80	HaD2	Moderate	Moderate	HaD2	94829	2.2
81	HaD2		None	HaD2	94829	1.8
82	Hm		None	Hm	94830	12.6
83	Hm		None	Hm	94830	10.1
84	KcA	30pctReduction	Moderate	KcA	94831	2.2
85	KcA	Soperiteduction	None	KcA	94831	24.3
86	KcA		None	KcA	94831	5.2
_	KcA		None	KcA		
87					94831	16.9
88	KcA		None	KcA	94831	6.8
89	KcA		None	KcA	94831	5.5
90	KcA		None	KcA	94831	1.5
91	KcB	30pctReduction	Moderate	KcB	94832	7.3
92	KcB		None	KcB	94832	7.3
93	KcB		None	KcB	94832	2
94	KcB		None	KcB	94832	2.8
95	KmA		None	KmA	94833	5.5
96	KnA	30pctReduction	Moderate	KnA	94834	4.4
97	KnA		None	KnA	94834	7.1
98	KnA		None	KnA	94834	4.7
99	KnA		None	KnA	94834	13.3
100	KwA	30pctReduction	Moderate	KwA	94835	10.1
101	La	Moderate	Moderate	La	94836	0.8
102	La	Moderate	Moderate	La	94836	23.1
103	La	Moderate	Moderate	La	94836	4.7
104		Moderate	Moderate	La	94836	21
105		Moderate	Moderate	La	94836	4.4
106		Moderate	Moderate	La	94836	14.5
107		Moderate	Moderate	La	94836	3.4
108		Moderate	Moderate	La	94836	2.5
109		Moderate	Moderate	La	94836	8.8
110		40pctReduction	Moderate	La	94836	16.8
111		30pctReduction	Moderate	La	94836	33
112	La	30pctReduction	Moderate	La	94836	23.8
113	La	30pctReduction	Moderate	La	94836	23.7
114	La	30pctReduction	Moderate	La	94836	7.9
115		Moderate	Moderate	La	94836	6.4
116						45
		Moderate	Moderate	La	94836	
117	La	Moderate	Moderate	La	94836	3.3
118		Moderate	Moderate	La	94836	6.4
119		30pctReduction	Moderate	La	94836	86.2
120		30pctReduction	Moderate	La	94836	41.9
121	La	30pctReduction	Moderate	La	94836	4.9
122	La	30pctReduction	Moderate	La	94836	2.7
123	La	30pctReduction	Moderate	La	94836	32.2

1		В	С	D	E	F
	MUSym	WetnCatOrig	WetnCatRev	MUSym	MUKey	Area_AC
124 L	La	30pctReduction	Moderate	La	94836	23.7
125 L	La		None	La	94836	9.8
126 L	La		None	La	94836	12.1
127 L			None	La	94836	84.1
	La		None	La	94836	7.9
129 L			None	La	94836	14.2
130 L			None	La	94836	8.8
	La		None	La	94836	42.7
132 L	La		None None	La La	94836 94836	5.1 1.9
	La La		None	La	94836	1.9
135 L			None	La	94836	6.6
136 L			None	La	94836	3.9
	La		None	La	94836	17.5
138 L			None	La	94836	58
139 L			None	La	94836	1.6
140 L	La		None	La	94836	4.3
141 L	La		None	La	94836	1.5
	La		None	La	94836	16.6
_	La		None	La	94836	21.8
	La		None	La	94836	34.4
	La		None	La	94836	11.4
146 L			None	La	94836	91.1
	La		None	La	94836	9.3
	La		None	La	94836	29.4
	La		None	La	94836	4.2
150 L			None	La	94836	10.6
	La		None	La	94836	8.5
	La La		None	La	94836	27.5 15.6
153 L			None None	La La	94836 94836	1.7
	La La		None	La	94836	9.6
156 L			None	La	94836	5.9
	La		None	La	94836	11.3
158 L			None	La	94836	12
	La		None	La	94836	373.2
160 L			None	La	94836	19.4
161 L	La		None	La	94836	78
162 L			None	La	94836	8.5
163 L	La		None	La	94836	14.8
164 L	La		None	La	94836	
165 L			None	La	94836	
166 L			None	La	94836	
167 L			None	La	94836	21.7
168 L			None	La	94836	23
169 L			None	La	94836	
170 L			None	La	94836	11.1
171 L 172 L			None None	La	94836 94836	
172 L			None	La La	94836	
173 L			None	La	94836	15.4
174 L			None	La	94836	26.2
176 L			None	La	94836	5.6
177 L			None	La	94836	
178 L			None	La	94836	8.8
179 L			None	La	94836	
180 L			None	La	94836	
181 L	La		None	La	94836	
182 L			None	La	94836	
183 L	La		None	La	94836	
184 L	а		None	La	94836	9.7

	A	В	С	D	E	F
1	MUSym	WetnCatOrig	WetnCatRev	MUSym	MUKey	Area_AC
185	-		None	La	94836	4.4
186			None	La	94836	28
187	La		None	La	94836	19.2
188	La		None	La	94836	8.6
189	La		None	La	94836	2.3
190	Lb	Moderate	Moderate	Lb	94837	4.1
191	Lb	Moderate	Moderate	Lb	94837	2.9
-	Lb	Moderate	Moderate	Lb	94837	11.3
193		Moderate	Moderate	Lb	94837	17.5
194	Lb	30pctReduction	Moderate	Lb	94837	20.8
195 196		Moderate 30pctReduction	Moderate Moderate	Lb Lb	94837 94837	1.2 21.6
_	Lb	30pctReduction	Moderate	Lb	94837	31.6
198		Soperiveduction	None	Lb	94837	14.8
199			None	Lb	94837	83.2
200			None	Lb	94837	1.1
201	Lb		None	Lb	94837	4.3
202	Lb		None	Lb	94837	7.7
	Lb		None	Lb	94837	6.9
204	Lb		None	Lb	94837	5.4
205			None	Lb	94837	6.4
206			None	Lb	94837	26.1
207	Lb		None	Lb	94837	13.2
	Lb		None	Lb	94837	32.4
209 210	Lb		None None	Lb	94837	15.3
211	Lb		None	Lb Lb	94837 94837	41 34.4
212	Lb		None	Lb	94837	8.8
	Lb		None	Lb	94837	1.7
214		Moderate	Moderate	Lc	94838	9
215	Lc	Moderate	Moderate	Lc	94838	1.2
216	Lc	Moderate	Moderate	Lc	94838	6.7
217	Lc	Moderate	Moderate	Lc	94838	4.1
218	Lc	Moderate	Moderate	Lc	94838	3.3
219	Lc	Moderate	Moderate	Lc	94838	7.9
220		Moderate	Moderate	Lc	94838	12.8
221	Lc	Moderate	Moderate	Lc	94838	67.8
	Lc	Moderate	Moderate	Lc	94838	33.6
223 224	Lc	Moderate Moderate	Moderate Moderate	Lc Lc	94838 94838	6.1 8.7
225			Moderate	Lc	94838	
226		Moderate Moderate	Moderate	Lc	94838	
227		Moderate	Moderate	Lc	94838	
228		Moderate	Moderate	Lc	94838	14.3
229		Moderate	Moderate	Lc	94838	1
230		Moderate	Moderate	Lc	94838	37.5
231	Lc	Moderate	Moderate	Lc	94838	11.5
232		40pctReduction	Moderate	Lc	94838	2.4
	Lc	40pctReduction	Moderate	Lc	94838	11
234		30pctReduction	Moderate	Lc	94838	25.2
235		30pctReduction	Moderate	Lc	94838	
236		Moderate	Moderate	Lc	94838	62.6
_	Lc	Moderate	Moderate	Lc	94838	53.8
238		30pctReduction	Moderate	Lc	94838	3.3
239 240		30pctReduction 30pctReduction	Moderate Moderate	Lc Lc	94838 94838	25.8 37.5
241		30pctReduction	Moderate	Lc	94838	37.5
242		30pctReduction	Moderate	Lc	94838	12.6
243		30pctReduction	Moderate	Lc	94838	
244		30pctReduction	Moderate	Lc	94838	
245		30pctReduction	Moderate	Lc	94838	
5		1- 54			2.000	

	A	В	С	D	Е	F
1	MUSym	WetnCatOrig	WetnCatRev	MUSym	MUKey	Area_AC
246		30pctReduction	Moderate	Lc	94838	8.4
247	Lc	30pctReduction	Moderate	Lc	94838	10.2
248	Lc	30pctReduction	Moderate	Lc	94838	5.7
249		30pctReduction	Moderate	Lc	94838	32.4
250			None	Lc	94838	26.5
	Lc ·		None	Lc	94838	120.1
252			None	Lc	94838	8.5
253 254			None None	Lc Lc	94838 94838	8.8 134.2
255			None	Lc	94838	44.8
256			None	Lc	94838	125.9
257			None	Lc	94838	10
258			None	Lc	94838	21.2
259	Lc		None	Lc	94838	21.3
260	Lc		None	Lc	94838	119.9
261	Lc		None	Lc	94838	46.1
262			None	Lc	94838	5.6
_	Lc		None	Lc	94838	67.7
_	Lc		None	Lc	94838	7.4
265			None	Lc	94838	18.5
266			None	Lc	94838 94838	3.1
267 268	Lc		None None	Lc Lc	94838	46.1 10.1
269			None	Lc	94838	63.8
270			None	Lc	94838	23.5
271	Lc		None	Lc	94838	3.7
272	Lc		None	Lc	94838	83.6
273			None	Lc	94838	2.2
274	Lc		None	Lc	94838	14.5
275	Lc		None	Lc	94838	5.4
276			None	Lc	94838	12.7
	Lc		None	Lc	94838	8.3
278			None	Lc	94838	9.8
279			None	Lc	94838	5.8
280			None	Lc	94838	53
281 282	Lc		None None	Lc Lc	94838	5.2 5
283			None	Lc	94838 94838	29
284			None	Lc	94838	8.5
285			None	Lc	94838	12.6
286			None	Lc	94838	26.1
287			None	Lc	94838	39.5
288			None	Lc	94838	21
289			None	Lc	94838	22.8
290			None	Lc	94838	4.3
291			None	Lc	94838	22.7
292			None	Lc	94838	27.3
293		Covers	None	Lc	94838	18.8
294		Severe	Severe Moderate	Lc	94838 94839	3.7
295 296		Moderate Moderate	Moderate	Ld Ld	94839	12.1 26.9
297		Moderate	Moderate	Ld	94839	15.9
298		Moderate	Moderate	Ld	94839	4
299		Moderate	Moderate	Ld	94839	7.7
300		Moderate	Moderate	Ld	94839	13.3
301		40pctReduction	Moderate	Ld	94839	2.9
302		Moderate	Moderate	Ld	94839	21
303		30pctReduction	Moderate	Ld	94839	5.8
304		30pctReduction	Moderate	Ld	94839	10.5
305		30pctReduction	Moderate	Ld	94839	6.5
306	Ld	30pctReduction	Moderate	Ld	94839	2.6

	Α	В	С	D	Е	F
1	MUSym	WetnCatOrig	WetnCatRev	MUSym	MUKey	Area AC
	•	-				
307		30pctReduction	Moderate	Ld	94839	0.7
308		30pctReduction	Moderate	Ld	94839	2.7
309			None	Ld	94839	0.9
310	Ld		None	Ld	94839	36.7
311	Ld		None	Ld	94839	7.5
312			None	Ld	94839	13.3
313			None	Ld	94839	5.1
314			None	Ld	94839	3.6
315			None	Ld	94839	16.2
316	Ld		None	Ld	94839	52.5
317			None	Ld	94839	3.1
318			None	Ld	94839	29.6
319			None	Ld	94839	10.2
320			None	Ld	94839	21.4
321	Ld		None	Ld	94839	3.6
322	Ld		None	Ld	94839	39.6
	Ld	Severe	Severe	Ld	94839	1.2
324		Moderate	Moderate	Lm	94840	3.6
325	Lm	Moderate	Moderate	Lm	94840	2.8
326	Lm	Moderate	Moderate	Lm	94840	54.2
327	Lm	Moderate	Moderate	Lm	94840	5.7
328	Lm	Moderate	Moderate	Lm	94840	27.1
329	Lm	Moderate	Moderate	Lm	94840	9.6
330	Lm	Moderate	Moderate	Lm	94840	8.3
331	Lm	Moderate	Moderate	Lm	94840	5.2
332	Lm	Moderate	Moderate	Lm	94840	32.9
333	Lm	40pctReduction	Moderate	Lm	94840	10.5
334	Lm	30pctReduction	Moderate	Lm	94840	59.7
335	Lm	Moderate	Moderate	Lm	94840	37.4
336		Moderate	Moderate	Lm	94840	13.3
337		30pctReduction	Moderate	Lm	94840	6.7
338		'	None	Lm	94840	16.2
339			None	Lm	94840	4.1
340			None	Lm	94840	7.3
341			None	Lm	94840	39.9
342			None	Lm	94840	44.2
343			None	Lm	94840	23.1
344			None	Lm	94840	3.4
345			None	Lm	94840	49.9
346			None	Lm	94840	
347			None	Lm	94840	43.8
348			None	Lm	94840	8.8
349			None	Lm	94840	8.6
350			None	Lm	94840	1.1
351			None	Lm	94840	9.9
352			None	Lm	94840	10.3
353			None	Lm	94840	3.5
354			None	Lm	94840	2.3
355			None	Lm	94840	3.8
356			None	Lm	94840	25.5
357			None	Lm	94840	58.2
358			None	Lm	94840	11.3
359			None	Lm	94840	4.6
360			None	Lm	94840	37.4
361			None	Lm	94840	2.4
362		Moderate	Moderate	Ln	94841	3.5
363		Moderate	Moderate	Ln	94841	2.5
364			Moderate		94841	1.4
365		Moderate Moderate		Ln		
-		Moderate Moderate	Moderate	Ln	94841	2.5
366		Moderate	Moderate	Ln	94841	1.7
367	LI)	Moderate	Moderate	Ln	94841	2.9

Holly Drainage District Areas of each soil mapping unit classified by wetness categories

	Α	В	С	D	Е	F
1	MUSym	WetnCatOrig	WetnCatRev	MUSym	MUKey	Area_AC
368	Ln	Moderate	Moderate	Ln	94841	1
369		Moderate	Moderate	Ln	94841	4.7
370		Moderate	Moderate	Ln	94841	39
371	Ln	Moderate	Moderate	Ln	94841	0.7
	Ln	Moderate	Moderate	Ln	94841	51.6
373	Ln	Moderate	Moderate	Ln	94841	10.7
374		Moderate	Moderate	Ln	94841	6.7
-	Ln	Moderate	Moderate	Ln	94841	2.8
376	Ln	30pctReduction	Moderate	Ln	94841	27.1
	Ln	30pctReduction	Moderate	Ln	94841	4
	Ln	30pctReduction	Moderate	Ln	94841	5.1
379		30pctReduction	Moderate	Ln	94841	0.9
380	Ln	Moderate	Moderate	Ln	94841	1.3
381	Ln	Moderate	Moderate	Ln	94841	7.9
	Ln	Moderate	Moderate	Ln	94841	3.4
383		Moderate	Moderate	Ln	94841	5.3
384	Ln	Moderate	Moderate	Ln	94841	3.5
385		30pctReduction	Moderate	Ln	94841	3.6
386		30pctReduction	Moderate	Ln	94841	1.2
387	Ln	30pctReduction	Moderate	Ln	94841	7.5
388	Ln	30pctReduction	Moderate	Ln	94841	25.6
389		30pctReduction	Moderate	Ln	94841	3.2
390		Soperiveduction	None	Ln	94841	14.1
	Ln		None	Ln	94841	1.9
392	Ln		None	Ln	94841	3.4
393	Ln		None	Ln	94841	6.3
	Ln		None	Ln	94841	4.4
	Ln		None	Ln	94841	7.3
396			None	Ln	94841	7.3
397	Ln		None	Ln	94841	31.2
	Ln		None	Ln	94841	1.7
399			None	Ln	94841	10.6
400			None	Ln	94841	7.2
401	Ln		None	Ln	94841	14.1
402	Ln		None	Ln	94841	2.3
	Ln		None	Ln	94841	2.7
404			None	Ln	94841	0.8
405	Ln		None	Ln	94841	3.5
406	Ln		None	Ln	94841	2.6
407	Ln		None	Ln	94841	1.5
408			None	Ln	94841	6.8
409			None	Ln	94841	2.7
410			None	Ln	94841	128.9
411			None	Ln	94841	31.3
412			None	Ln	94841	2.6
413			None	Ln	94841	7
414			None	Ln	94841	4.5
415			None	Ln	94841	3.4
416			None	Ln	94841	32
417			None	Ln	94841	4.9
418			None	Ln	94841	12.8
419			None	Ln	94841	6.5
420			None	Ln	94841	100.7
421		Moderate	Moderate	Lo	94842	14.1
422		30pctReduction	Moderate	Lo	94842	4.6
423		Sopolitoduolion	None	Lo	94842	106.9
424			None	Lo	94842	2.4
425			None	Lo	94842	8.6
426			None	Lo	94842	20
			None	Lo	94842	6
428		Moderate	Moderate	Lp	94843	11.3
720	-۲	moderate	יייטעטומוט	1- P	U-043	11.3

	А	В	С	D	Е	F
1	MUSym	WetnCatOrig	WetnCatRev	MUSym	MUKey	Area_AC
429	Lp	Moderate	Moderate	Lp	94843	1.2
430			None	Lp	94843	1.9
431	•		None	Lp	94843	82.9
432	Lp		None	Lp	94843	156.6
	Lp		None	Lp	94843	11.8
434			None	Lp	94843	1.4
435			None	Ls	94844	6.3
436			None	Ls	94844	34.9
	Ls		None	Ls	94844	63.3
438 439			None None	Ls	94844 94844	29.1 31.4
440			None	Ls Ls	94844	5.3
_	Ls		None	Ls	94844	3.5
442			None	Ls	94844	2.4
443			None	Ls	94844	1.8
444	Lt	Moderate	Moderate	Lt	94845	7.1
445		Moderate	Moderate	Lt	94845	24.6
446		Moderate	Moderate	Lt	94845	1.5
447		Moderate	Moderate	Lt	94845	5.9
448		Moderate	Moderate	Lt	94845	2.4
449		Moderate	Moderate	Lt	94845	4.1
450	Lt	Moderate	Moderate	Lt	94845	8.5
451	Lt	Moderate	Moderate	Lt	94845	5.8
452	Lt	Moderate	Moderate	Lt	94845	0.9
453	Lt	Moderate	Moderate	Lt	94845	5.5
454	Lt	Moderate	Moderate	Lt	94845	5.9
455		Moderate	Moderate	Lt	94845	2.4
456		Moderate	Moderate	Lt	94845	1
457		Moderate	Moderate	Lt	94845	2.1
458		40pctReduction	Moderate	Lt .	94845	7.3
459		Moderate	Moderate	Lt	94845	3.3
460		Moderate	Moderate	Lt	94845	5.3
461		Moderate	Moderate	Lt	94845	6.3
462		30pctReduction	Moderate	Lt Lt	94845	3.3 54.4
463 464		30pctReduction 30pctReduction	Moderate Moderate	Lt	94845 94845	21.3
465		30pctReduction	Moderate	Lt	94845	1.9
466		30pctReduction	Moderate	Lt	94845	50.1
-	Lt	Jopenteduction	None	Lt	94845	88.3
468			None	Lt	94845	1.2
469			None	Lt	94845	
470			None	Lt	94845	5
471			None	Lt	94845	
472	Lt		None	Lt	94845	10.6
473			None	Lt	94845	4.5
474			None	Lt	94845	
475			None	Lt	94845	6.5
476			None	Lt	94845	
477			None	Lt	94845	
478			None	Lt	94845	
479			None	Lt	94845	4.4
480			None	Lt	94845	3
481			None	Lt	94845	
482			None	Lt	94845	
483			None	Lt	94845	1.3
484			None	Lt	94845	
485			None	Lt	94845	
486 487			None	Lt Lt	94845	
487 488			None	Lt	94845	8.9
			None	1	94845	
489	Ll		None	Lt	94845	15.9

	A	В	С	D	Е	F
1	MUSym	WetnCatOrig	WetnCatRev	MUSym	MUKey	Area_AC
490	Lt		None	Lt	94845	7.1
491	Lt		None	Lt	94845	9.6
492	Lt		None	Lt	94845	5.2
493	Lt		None	Lt	94845	20.2
494	Lt		None	Lt	94845	14.8
495			None	Lt	94845	13.2
496			None	Lt	94845	43.6
_	Lt		None	Lt	94845	5.7
	Lt		None	Lt	94845	16.2
499 500			None None	Lt Lt	94845 94845	4.6 6
501			None	Lt	94845	4.2
502			None	Lt	94845	8.6
503			None	Lu	94846	38.6
504			None	Lv	94847	1.7
505			None	Lv	94847	10
506			None	Lv	94847	6
507	Lv		None	Lv	94847	23.9
508	Lv		None	Lv	94847	2.5
509	Lv		None	Lv	94847	9.3
510	Lv		None	Lv	94847	1.2
511	Lv		None	Lv	94847	2.7
512	Lv		None	Lv	94847	11.7
513			None	Lv	94847	3.5
514			None	Lv	94847	1.9
	Lv		None	Lv	94847	27.2
516			None	Lv	94847	1.7
517			None	Lv	94847	3.5
	NmB	Moderate	Moderate	NmB	94855	0.5
	NmB		None	NmB	94855	15.5
	NmB		None	NmB	94855	3.6
	NmB NmB		None	NmB	94855	8.8
	NmB NmB		None None	NmB NmB	94855 94855	13.2
	NmB	Severe	Severe	NmB	94855	3.7
525		Moderate	Moderate	NtB	94860	32.2
526		Moderate	Moderate	NtB	94860	1.6
527		30pctReduction	Moderate	NtB	94860	9
528			None	NtB	94860	3.6
529			None	NtB	94860	9.8
530	NtC	Moderate	Moderate	NtC	94861	6.3
531			None	NtC	94861	0.7
	NtC		None	NtC	94861	3.4
	NtC		None	NtC	94861	5.7
534			None	NtC	94861	4.3
	NuB	Moderate	Moderate	NuB	94862	7.4
	NuB	Moderate	Moderate	NuB	94862	0.6
_	NuB		None	NuB	94862	7.8
	NuB	00 - (B - 1 - 1	None	NuB	94862	3.3
-	OtB	30pctReduction	Moderate	OtB	94864	4.4
	OtB	20notPoduction	None	OtB	94864	1.1
	OtC OtC	30pctReduction	Moderate None	OtC OtC	94865 94865	3 2.9
	OtC		None	OtC		
544			None	Pk	94865 94867	3.3 3.2
	PLY	30pctReduction	Moderate	PLY	679106	6.8
_	PsE	Soportroduction	None	PsE	94869	7
	RoA	Moderate	Moderate	RoA	94881	16.5
	RoA	Moderate	Moderate	RoA	94881	42.8
	RoA	30pctReduction	Moderate	RoA	94881	15
	RoA	Moderate	Moderate	RoA	94881	2
555		1		1	0.001	

	А	В	С	D	Е	F		
1	MUSym	WetnCatOrig	WetnCatRev	MUSym	MUKey	Area_AC		
551	RoA	30pctReduction	Moderate	RoA	94881	75		
552	RoA	30pctReduction	Moderate	RoA	94881	69		
553	RoA	30pctReduction	Moderate	RoA	94881	4.2		
554	RoA	30pctReduction	Moderate	RoA	94881	1.4		
555	RoA	30pctReduction	Moderate	RoA	94881	10.7		
556	RoA	30pctReduction	Moderate	RoA	94881	14		
557	RoA	30pctReduction	Moderate	RoA	94881	4.3		
558	RoA	30pctReduction	Moderate	RoA	94881	20.9		
559	RoA		None	RoA	94881	5.1		
560	RoA		None	RoA	94881	8.8		
561	RoA		None	RoA	94881	139.1		
562	RoA		None	RoA	94881	16.6		
563			None	RoA	94881	3.1		
	RoA		None	RoA	94881	21.9		
565	RoA		None	RoA	94881	13.4		
566	RoA		None	RoA	94881	73.7		
567	RoA		None	RoA	94881	13.9		
568	RoA		None	RoA	94881	11.8		
	RoB	Moderate	Moderate	RoB	94882	19.9		
570	RoB	Moderate	Moderate	RoB	94882	0.9		
571	RoB	Moderate	Moderate	RoB	94882	4.3		
	RoB	30pctReduction	Moderate	RoB	94882	6.5		
573	RoB	30pctReduction	Moderate	RoB	94882	16.3		
574	RoB		None	RoB	94882	3		
	RoB		None	RoB	94882	20.5		
576	RoB		None	RoB	94882	4.1		
577	RoB		None	RoB	94882	1.3		
578	RoB		None	RoB	94882	4.4		
579	RoB		None	RoB	94882	1.3		
580	RoB		None	RoB	94882	8.6		
581			None	RoB	94882	7		
	RoB		None	RoB	94882	8.6		
	RoC		None	RoC	94883	1.9		
584	RsA	30pctReduction	Moderate	RsA	94885	1.6		
585			None	Тс	94895	3.1		
586			None	Td	94896	19.6		
587	W		None	W	679107	4.9		
588	W		None	W	679107	59		
	Total Acres:					9783.4		
590	Total Acreage	:Moderate effect:				2888.7		
591	Total Acreage					6886.1		
592	Total Acreage	: Severe Effect:				8.6		

19 42

Colorado STATE WATER DISTRICT OR AREA W. D. No. 67 DATE September

PER (1) \$1 "

SUMMARY OF DATA ON HOLLY DRAINAGE DISTRICT

GENERAL

Holly LOCATION: STATE Colorado COUNTY Prowers NEAR SUSTAINING 4000 ASSESSED 5975 ACRES: GROSS 6200 : sim to l

UNIT OF ASSESSMENT (1) Dollar of assessed benefits TOTAL UNITS: ORIGINAL 588,017 SUSTAINING \$410,000

UNITS OF ASSESSMENT PER ACRE: AVERAGE \$ 98 MAXIMUM \$ 125 MINIMUM \$ 40 LIABILITY FOR DISTRICT OBLICATIONS Liable to last faithful acre under R.F.C. contract LOCATION OF ASSESSMENT RECORDS H. F. Decker, Holly, Colo., and Co. Assessor, Lamar, Colo \$; SLIGHT ALKALI 25 \$; HIGH WATER TABLE 20 \$: TREND stable to slightly LAND: BAD ALKALI 25

FT. AVERAGE GROWING SEASON 168 DAYS A pril 26 ELEVATION 3400 October 12 TO PRECIPITATION IN INCHES: ANNUAL AVERAGE 15.37; CHARACTERISTICS OF RAINFALL 80% between 4/1 and 10/. Erratic - maximum 24 in., minimum 8 in.; intense storms in late summer.

ECONOMIC & FINANCIAL CONDITIONS

0. & M. ASSESSMENTS FOR PERIOD 19 32-41

GENERAL TAXES ON LAND AND IMPROVEMENTS: AVERAGE \$ 1.75 irrigated PER ACRE CAPITAL DEBT AS OF September 1 19 42, BONDS \$ 41,000 @ 4 \$ PAYABLE 19 49-1971 \$ PAYABLE 19 ; OTHER DEBTS \$ % PAYABLE 19 , ADJUSTED TO AN EQUIVALENT 68 BASIS \$ 31,711 NET CAPITAL DEBT: \$ 39,264 OR \$ 0.0775 PER SUSTAINING (I) Dollar of assessed benefits

B. & I. ASSESSMENTS FOR PERIOD 19 32-41 AVERAGED \$ 0.0154

PER (1) \$1 of ass'd benefit

AVERAGED \$ 0.0007

· ESTIMATED FUTURE ANNUAL ASSESSMENTS PER SUSTAINING (I) \$1 of assessed benefits

Refinanced by R.F.C. 1940 for \$57,000. Good collection of delinquent taxes, sub sequent to refinancing enabled payment of \$16,000 ahead of schedule. Refinancia will materially reduce future B&I assessments. Maintenance poor prior to refinancing and few levies made. Increase expected in future. District receives \$500 per year through sale of water, which is used for 0&M.

THESE LANDS ARE part SUBJECT TO OTHER ASSESSMENTS BY Buffalo Canal of the Arkansas Valley Sugar Beet & Irrigated Land Co.

PHYSICAL CONDITIONS

EFFECTIVENESS OF SYSTEM AND ADEQUACY OF PAST MAINTENANCE - Open drains only - 22 miles. West of Holly the system is effective; north of or above the north main drain and moderately effective north of U. S. Highway No. 50. East of Holly it is moderat ly effective north of the A.T. & S.F. tracks and ineffective south of the A. T. & S.F. tracks. Poor maintenance prior to 1940 and generally good since that date.

AREA HAS not BEEN ZONED. (SEE ZONE DESCRIPTIONS IF IT HAS BEEN ZONED)

EXPECTED FUTURE ADEQUACY OF MAINTENANCE Maintenance is expected to be considerably better in the future than in the past but doubtful if it will be first class.

CHARACTER OF FLOODS (2) Overflow from Arkansas River not anticipated upon completion of Caddoa Reservoir. Flash floods in Horse Creekoverflow area about 1 mile wide on either side of stream 1 year in 10.

RECOMMENDATIONS: APPRAISAL FACTORS IN (3) Percentage of assessed benefits UNTIL 19 June 1 TOTAL DEDUCTION * 7.75% 0.3% ANNUAL B. & 1. X 0.56% ANNUAL O. & M.

- (I) Dollar of assessed benefits, or dollar of assessed valuation, or acre- district's method of assessment
- (2) Supplement by attaching gage record tables where available
- (3) % of assessed benefits, or % of assessed valuation, or dollars per acre

NATER DISTRICT OR AREA W. U. NO. 87 risding goed state

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COCO an actual Coco Sales Coco as actual Coco Conclusions: The general physical condition of the drainage system is now fair to good and it is believed that the quality of maintenance which may be expected in the future, under a lighter debt load and a measur of control by the R.F.C., will be sufficiently adequate to insure a stable or slightly improved condition in the quality of the irrigated lands. The present debt is not large, the annual B&I charges are reasonable and it is believed that most of the cultivated lands, which are fairly well drained, will be able to meet the district obligations without serious delinquencies.

Recommendations: Federal Land Bank loans may be made on the better class of properties, which are adequately drained, and are located north of the U. S. Highway No. 50 in Twp. 23S, R42 and 43 W. They may also be considered on lands located east of Holly in Twp. 23S, R42W and lying north of the A.T. & S.F. tracks. Land Bank Commissioner loans may be made more generally in these areas.

No loans are recommended for any lands lying south of the A.T. & S.F. Ry. tracks or any lands located in Twp. 23S, R41W.

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TOTAL RESULTION X 7.753

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THE STANGETHER WANTER TOTAL BOX STAN AGOSTOF 2013

NAME OF DISTRICT Holly Drainage District

LAND LOCATION 5 MILESE & W OF Holly Prowers

COUNTY. TOWNSHIP 235 RANGE 41. 42 & 43W

ORGANIZATION

DATE OF ORGANIZATION 1922 UNDER LAW OF 1911 and 1919

AMENDMENTS TO ORIGINAL ORGANIZATION none

ACRES: GROSS 6200 ,ASSESSED 5975 , SUSTAINING 4,000

UNIT OF ASSESSMENT (I) Dollar of assessed benefits

TOTAL UNITS: ORIGINAL\$588,017 SUSTAINING 410,000

UNITS OF ASSESSMENT PER ACRE: AVERAGE \$ 98 , MAXIMUM \$ 1257 , MINIMUM \$ 40 LIABILITY FOR DISTRICT OBLIGATIONS Liable to last faithful acre under R.F.C. contract NAME AND ADDRESS OF SECRETARY H. F. Decker, Holly, Colorado

LOCATION OF ASSESSMENT RECORDS

and County Assessor, Lamar

<u>TYPE_OF_LAND</u> U.S.B.R. classification: Cl. 1 - 20%; Cl. 2 - 55%; Cl. 5 & 6 - 25% GENERAL Narrow strip of first and second bottom land lying below the Buffalo Canal and at average distance \frac{1}{2} to \frac{3}{4} mile from Arkansas River. TOPOGRAPHY Gently sloping to relatively level.

SOILS: PREDOMINANT TYPES Las Animas C.L. - 70%; Manvel F.S.L. to si.1.-30%. Variable depth with gravel at 3 to 5 ft. Intersected by clay dikes. PER CENT OF AREA: BAD ALKALI 25% %, SLIGHT ALKALI 25%%, HIGH WATER TABLE 20 TREND Slightly improved in last few years and trend is stable to slightly better.

CLIMATE

ELEVATION 3400 Ft., AVERAGE GROWING SEASON 168 DAYS April 26 TO October 12 RAINFALL AT Holly STATION O MILES FROM DISTRICT 15.37 inches LENGTH OF RECORD 47 YEARS 1894 TO 1941 , ACCURACY Good CHARACTERISTICS OF RAINFALL 80% between 4/1 & 10/1 - Erratic with maximum annual of 24 in. amd minimum of 8 in. Maximum daily - 3.25 in. Intense storms crops in summer months.

011010								
CROPS	:%	OF AREA:	CROPS	:% OF	AREA:	CROPS	:% OF	AREA:
ALFALFA	:	24 :	POTATOES	:	. :		:	:
CLOVER	:	:	SUGAR BEETS	:	8 :		:	:
OTHER HAY	:	1 :	Town Holly	:	2.7:		:	
PASTURE	:	35 :	Row & waste	:	6.3:		:	:
CÉREALS	:	11 :	Gardens & other		1 :			:
CORN	:	3 :	crops	:	:		: ~	:
SORGHUMS	:	8 :		:	:		ole : o	
	-			77			0 .	

SOURCE OF INFORMATION U.S.B.R. Survey & W.C. Reports ACCURACY fair YIELDS AND TRENDS Consistently good yields on good lands but production spotty. Generally better yeilds in last few years.

DISPOSITION OF CRORS About 50% disposed of in cash, including good part of alfalfa crop.

ECONOMIC CONDITIONS

NO. OF FARMS 50 . TENANCY APPROX. 60 %. CONDITION OF FARM IMPROVEMENTS fair to poor

GENERAL CHARACTER OF FARMS AND FARMERS - A few good farmers on better units, usually owner operated. High percentage of tenants and only fair tenants are attracted to the area.

GENERAL TAXES ON LAND AND IMPROVEMENTS: AVERAGE \$ 1.75 PER ACRE irrigated TRANSPORTATION FACILITIES A.T. & S.F. Ry. and U.S. Highway No. 50 intersect area.

MARKETING FACILITIES Beet dump, packing sheds, feed lots, turkey co-op. at Holly. Alfalfa mill at Hartman, 5 miles distant. Fair to good marketing facilities for surplus feed crops.

⁽¹⁾ Dollar of assessed benefits, or dollar of assessed valuation, or acre - district's method of assessmen

0.0775

HOLLY DRAINAGE DISTRICT

		AND MAINTENA	ACCOUNT			19 4	2	7.672
	ASSETS		:	LIABIL	ITIES		1	:
CASH ON HAND	:\$	152.56	:WARRANTS	OUTSTANDING		\$ 2,	808.79	:
ASSESSMENTS RECEIVABLE			:OTHER	CISTARDINE.			11.79	
MISCELLANEOUS RECEIVABLE	<u>:</u>							
TOTAL	:\$	152.56	: TOT	AL .		\$ 2.	808.79	.:

	*.		-	CAPIT	AL DE	BT	SCH	HEDULE			
INDEBTED	NESS	:	AMOUNT	1	NT.RA	TE	:	AMOUN	T PER UNIT	: RE	PAYMENT PERIOD :
BONDS	R.F.C.	:\$	41,000		4	8	:\$	0.07	PER \$1		6/1/49-6/1/71
BONDS		:		:		\$:		PER	months,	9/1/19-8/1/17
BONDS		:		:		%	:		PER	and the state of t	Market Street
WARRANTS	on En	:.		:		8	:		PER		
OTHER		. :	A STATE OF S	:			:	JAN DAYS	PER	B 10, 1	ercober 10 .
TOTAL		:\$	41,000			8	;	0.07	PER \$1	benefits	37.5. 100.250

NOTE: IF ANNUAL PAYMENTS ARE VARIABLE ATTACH DETAILED REPAYMENT SCHEDULES

CAPITA	AL D	EBT ACCOUNT	AS OF	September 1	1	942	
ASSETS			. :	LIABILITIES			
CASH ON HAND	:\$	2146.	:	WARRANTS OUTSTANDING	:\$		``
CURRENT ASSESSMENTS RECEIVABLE	:		:	BOND PRINCIPAL UNMATURED	:	41,000	,
DELINQUENT ASSESSMENTS RECEIVABLE	:		:	BOND PRINCIPAL DELINQUENT	:		
MISCELLANEOUS RECEIVABLE	:		:	INTEREST RELENSUENT	:		
CONTRACTOR TO A CONTRACTOR OF THE CONTRACTOR OF	:		:	accrued to 9/1/42	:	410	
	:		:		:	4.0	
TOTAL	:\$_	2146.		TOTAL	:\$	41,410	
CAPITAL DEBT IF ALL ASSESSMENTS AF						39,264	
NET CAPITAL DEBT						39,264	
NET DEBT ADJUSTED TO AN EQUIVALENT	6%	BASIS				31,711	

ITEM:	1932	:	1933	: 1934	: 19 35	: 1936	: 19 37	: 1	9 38:	19 39	19 40	:	19 41 :	AVE. :
A :		:					. 7 07	:	:		12.50	:		
B :	\$.013	5:	.0142	:.0142	:.028	:0.67	: .0150	: •	0215 :	.0215	.0045	:	.0045:	.015
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TOTAL:		:		:	:	:		:			.0057	;	•0095	- :

ESTIMATED FUTURE ANNUAL ASSESSMENTS PER SUSTAINING (1) Dollar of assessed benefits ANNUAL B. & I. \$ 0.0056 ANNUAL 0. & M. \$ 0.003

NET ADJUSTED DEBT PER SUSTAINING (I).. Dollar.of.assessed.benefits......

HISTORY AND TREND OF DEBT AND ASSESSMENTS District issued \$105,000 of 6% bonds in 1923, payable 1933-42. Bad default and in 1940 R.F.C. refinanced \$109,078 of bonds, interest and warrants for \$57,000 - 4% loan payable 1944-72. Collection of delinquent taxes since refinancing has enabled district to retire \$16,000 in bonds ahead of schedule leaving balance of \$41,000 maturing 6/1/49-6/1/71. District collects \$500 per year through saleof drainage water and no 0&M assessments levied for period 1932-39. Anticipated 0&M \$1200 per year exclusive of revenue derived from sale of water. B&I assessments much less than average of last 10 years due to refinancing.

THESE LANDS ARE part SUBJECT TO OTHER ASSESSMENTS BY Buffalo Canal of Arkansas Valley Sugar Beet & Irrigated Land Co.

⁽I) Dollar of assessed benefits, or dollar of assessed valuation, or acre - district's method of assessment