

10. Appendices

Appendix A – Stakeholder Comments

Comments received from Bob Roach, of the County of Monterey Agricultural Commissioners Office

Draft of the Assessment that was reviewed: 6 December 2004

Comments received: 22 February 2005

Re: Pesticides Page 159 (Page 155 Dec 6, 2004 version)

1) Paragraph 1, Line 1:

Can you really say ‘two of the most commonly applied’? I agree they are commonly applied, but am not sure they are the ‘most’ commonly applied.

2) Paragraph 2, Line 1–2:

The CAC does not ‘collate’ for data and it is separate from the permit process. All ag and commercial use is reported to the CAC where data entered into a database and sent to DPR for processing, including error checking.

3) Paragraph 2, line 7:

Why do you call it an ‘estimate’? Are you considering non-reportable uses, e.g. home uses?

Comments received from Jim Schaaf, of *Schaaf and Wheeler Consulting Civil Engineers*

Draft of the Assessment that was reviewed: 13 January 2005

Comments received: 23 February 2005

The flooding section could have been improved by referencing the stream gage on Gabilan Creek more often. The 1998 peak was 50 percent greater than the 1995 peak and so referring to the Salinas River, a large and slow-reacting watershed, may not tell the story about this smaller and faster-reacting watershed.

The Channel Sedimentation and Erosion section could be improved by placing the observed spot erosion and sedimentation problems into some type of watershed perspective. The section on Sediment Sources does begin with the words, "In addition to natural sources?" Does the reader know if the "natural sources" are equal to what was observed or one-tenth of what was observed or ten or 100 times what was observed? The report would benefit from an assessment of the amount of natural sediment generated in the watershed.

In addition, it seems to me that the cost of channel dredging by the City of Salinas is a number that is not as important as the number of cubic yards removed.

The estimate of 50,000 to 150,000 cubic yards of sediment removed annually from the Moss Landing Harbor amounts to approximately 0.15 acre-feet of sediment per year over the entire 400 or so square miles of watershed that drains there. Is this number significant compared to natural rates of sediment production? The reader can only surmise because no data is presented which would put that large dredging volume in any perspective.

Comments received from Monterey County Farm Bureau Watershed Grower Group
Draft of Assessment that was reviewed: January 14th 2005
Comments received: 8 March 2005

**MONTEREY COUNTY FARM BUREAU,
WATERSHED GROWER GROUP
&
MONTEREY COUNTY WATER RESOURCES AGENCY,
AG WATER ADVISORY COMMITTEE**

March 4th, 2005

Dear Dr. Fred Watson, Joel Casagrande, and Technical Advisory
Committee Members :

Subject : Grower / Rancher / Landowner comments on the *Assessment,
Part I* of the *Reclamation Ditch Watershed Assessment and
Management Plan*

On behalf of the growers, ranchers, and landowners who participated in
a Grower Workshop on February 15th, 2005 to discuss and make comments
and suggestions on *Assessment, Part I* of the *Reclamation Ditch Watershed
Assessment and Management Plan*, we respectfully submit the following
items:

- a) This 3.14.05 letter
- b) A list of participants at the 2.15.05 workshop
- c) Comments documents that were compiled from the 2.15.05
workshop.

These comments were made on the 1.14.05 draft of the
Assessment.

- d) 2001 Nitrate Management grower survey results, MCWRA
- e) Table 6.6 descriptive text and appropriate reference from *Water
Resources Data Report, Water Year 1994-1995, MCWRA*

Workshop participants request that all of the above items (a through e)
be included in the final document of the Watershed Assessment prepared
by the Watershed Institute under its contract to the MCWRA and in turn to
the State Water Resources Control Board.

The Monterey County Farm Bureau, Watershed Grower Group includes
growers, ranchers, and landowners of the Gabilan/Natividad/Alisal creeks
and the Alisal and Tembladero Sloughs. All of these sub-watershed areas
are in the Reclamation Ditch Watershed as defined in the *Assessment*. In
partnership with the Monterey County Water Resources Agency (MCWRA),
Agricultural Water Advisory Committee (AWAC) of growers, these two
organizations co-sponsored the February 15th Workshop in response to
requests from the agricultural community.

The majority of growers, ranchers, and landowner participants at the workshop are residents of the watershed and of the City of Salinas and therefore have the ability to review the document from the perspective of agriculture and of a resident.

Workshop participants hope that the attached set of comments and suggestions will be helpful in pointing out areas that may be confusing to the general public. The purpose and focus of the attached comments is to ensure that long-term planning or conclusions that may emerge from the document, or future iterations of the document, acknowledge the weak public input to the document and the short turnaround time for thorough evaluation.

Overall, workshop participants feel that the current document does not contain sufficient data to provide the information needed for making sound management decisions in the watershed presently or in the future. For example, after reviewing data sources and methods referred to in the Water Quality and Biological sections of the *Assessment*, participants concluded that the large number and variety of data sources, collection methods, and analyses do not allow clear conclusions to be drawn.

Workshop participants are concerned that reference to, and reliance upon, both un-published and non-peer reviewed works could lead to erroneous or even damaging management recommendations.

The growers, land owners, and ranchers of the Reclamation Ditch Watershed look forward to working with the Technical Advisory Committee and project staff to refine the *Watershed Assessment* to meet the needs of Monterey County watershed residents and water and land users.

Sincerely,

Benny Jefferson, Chair

Ag Water Advisory Committee

Monterey County Water Resources Agency

Dirk Giannini, Co-Chair

Water Committee

Monterey County Farm Bureau

Cc:

Richard Morganitini, MCWRA Board Chair

Curtis Weeks, General Manager, MCRWA

Bill Hammond, MCFB Board President

Bob Perkins, Executive Director, MCFB

Participants at the Reclamation Ditch Watershed Assessment
 – Grower Workshop, 2.15.05

NAME	COMPANY / OPERATION NAME
Allan Jensen	DJ Farms
Chris Bunn Jr.	Crown Packing
Dale Huss	Ocean Mist
Dennis Piedrafita	
Dirk Giannini	Christensen & Giannini
Don Ikeda	Ikeda Farms
Ed Mora	D'Arrigo Brothers
Gary Higashi	Higashi Farms
Keith Tanimura	Tanimura & Antle
Kent Christensen	Christensen Farms
Kevin Silacci	
Michael Scattini	Louis Scattini & Sons
Pete Silacci	
Robert Silva	Robert J. Silva Farms
Ron Harney	Sam McKinsey Farms
Ross Jensen	Steve Jensen Farms

The above list of participants represents approximately 23,150 agricultural acres in the Reclamation Ditch Watershed.

There are approximately 40,000 acres of crop land in the watershed or about 40% of the total watershed area, according to Table 1.1 of the *Watershed Assessment*.

Chapter 1 – EXECUTIVE SUMMARY of
Part 1: Watershed Assessment

Below are summary statements drawn from each bulleted item of the Executive Summary starting on Page 1

NOTE:

Each statement was reviewed by the grower group for clarity, usefulness of the information, and factual basis. Shaded text are deletions, additions, changes considered important by the grower group.

Numbered statements below correspond to the series of un-numbered bullets in the document.

1. Environmental objectives have a cost associated with them that needs to be balanced with other needs.

2. The natural landscape has largely been replaced by intensive agricultural and urban land uses.

3. The most important Reclamation Ditch Watershed objectives include:

Need for urban land

Need for agricultural land

Need for clean water in support of beneficial uses

Add Special Species Bullet

Add Objective – Flood Control

4. Due to increased runoff from expanding impervious areas, channels designed and maintained to remove water quickly are not always have the capacity to accomplish this.

... Leading to severe & chronic flooding in low lying areas.

Change “impervious” to “urban”

Comment– there is more emphasis on ag than urban in document.

5. Current channel conditions and maintenance do not allow natural habitat features to form.

6. Water quality objectives come from regional numeric standards and other pending Federal standards. These objectives could change as more becomes known about the relationship between water quality and impacts to beneficial uses, which may cause “concerns”.

Define stds. that are being used and where it comes from, insert table of objectives, source, and WQ data in WQ Assessment, Section 5 in body of text, see .

Include information in doc about nitrate and source water, ground and reclaimed water (source water may not meet std.)

Include here a table to clearly identify the objectives used in this study, their source and whether they are regulatory thresholds or not. Suggested table title and example below: "Water Quality Objectives Used for this Assessment."

Constituent	Objective	Source	Regulatory? (Y/N)
N	.2 ppm	Jim Smith	N
	10 ppm	Basin Plan	Y

7. There are numerous water quality concerns in the middle and lower part of the watershed.

#7 In first sentence remove words "numerous" and "many"

8. A source analysis is beyond the scope of this project. Likely that each of the major land uses is responsible for at least some of the water quality concern.

Eliminate bullet 8

Combine 1st sentence of bullet 8 as last sentence of bullet #7

9. Based on our data, increasing the distance from a pollutant source suggests a decrease in pollutant concentrations. Therefore, increased "residence time" in a channel or wetland can decrease water quality concerns.

"WQ data suggests" is ambiguous

Need examples of data types, which substantiate statements

Where & what constituents, state

Quality Assurance Plan/ Protocol, where will this be found in document?

Add words..."residence time in channel can increase flooding."

10. Sedimentation of channels and lakes is of concern leading to increase of flood risk. Limited bed load sampling suggests that the upper watershed may be the largest source of sedimentation.

Point is made by first sentence alone. 2nd sentence is un-substantiated.

Delete 2nd sentence, which begins "Limited bed load sampling..."

11. The aquatic fauna of the watershed have shown resilience to the water quality concerns.

Clarify 1st sentence. Use of “resilience” here is unclear. (resistance? No problem surviving?etc)

Show, or site here, the data supporting” home to at least 5 native fish species.”

For clarification & accuracy, revise sentence #2 as follows: “The lower, more impaired reaches are home to at least five native fish species as well as at least one steelhead trout.” Expanding the significance of this occurrence is speculation until further study is conducted and it is determined whether there is a fish run or not. Until then, using photos of this dead fish misleads the reader to conclude that there is a known steelhead runt. Remove fish photos from document – save for future use.

Not all fish kill are “unexplained.” Cause at Tembladero was found to be low DO.

12. Federally listed amphibian species are under pressure within the watershed.

Need more specifics on these findings

Define “under pressure”

13. Bird and mammal diversity is correlated with remaining natural habitat and lowest in intensely developed urban and ag. areas.

Substantiate phrase w/ data.

Please define these terms under the appropriate bullet of the Exec. Summary

1. Beneficial use

2. Bullet 13 “Natural Habitat”

3. Bullet 12 “under pressure”

4. Bullet 11 “resilience”

5. In the WQ Assess under Sediment – hi/low are defined, but “mild” is undefined.

Chapter 12 - SUMMARY AND CONCLUSIONS of**Part 1: Watershed Assessment**

Each page provides the main points from the Summary & Conclusions Section
These were reviewed and critiqued by the grower group for clarity, usefulness of information
in a watershed assessment, and factual basis

NOTE: Shaded text are the comments and suggested clarifications, deletions, or additions
made by the grower group.

1. Historical Conditions Assessment

- a. Land use and hydrology have changed since the mid 1850's.
- b. Conversion from ranching and dry farming to irrigated ag. and urban uses have a profound effect on hydrology, wildlife, vegetation, and local economics.
- c. The 1917 Reclamation Ditch creation was the largest physical change in this watershed.
- d. A sluggish natural water course was converted to a larger ditch to allow ag. production and limit flood frequency.
- e. As urban and agricultural lands grew flooding increased, there were fewer large mammals, and fish habitat was reduced.

Change wording in statement to "as urban lands increased and Ag lands decreased and flooding increased"

Add the statement below somewhere in the Executive Summary.

"Regulations are restricting maintenance activities in the Rec. Ditch"

Discussion on Alisal Slough being filled in as City of Salinas was expanded

Paragraph 2: Flood control was not the original purpose of the reclamation ditch. (see text provided for hydrology section below). Please clarify this by deleting last part of last sentence, "and to limit the frequency of flooding in the lower watershed."

Paragraph 3: Add after first sentence: "For example, the aquatic habitat formerly in Alisal Slough was lost to urban development."

Note that urban/residential developments are typically planned in flood plain.

Begin paragraph #3 with "Based on historical changes to the watershed,..."

2. Socio-Economic Context

- a. The local and national economy and food system are dependent on the prosperity of agriculture in this watershed.

- b. The City of Salinas is densely populated.

Continued increases in the urban population are expected in all cities/towns in the Salinas Valley. Increased impervious surfaces throughout the Valley could exacerbate flooding in the downstream watersheds.

Does increased urbanization in the Salinas Valley cause flooding in the Rec. Ditch area?
– backflow to the old Salinas River Channel.

3. Hydrology and Channel Conditions Assessment

- a. Paragraph 2
 - i. Flooding is still a concern
 - ii. Flood damage in ag. areas in the western half of the watershed
 - iii. Significant damages to crops and farmland (1995 flood)
- b. Paragraph 3,4
 - i. Urban expansion has increased runoff
 - 1. Sediment sources are uncertain
 - ii. The combination of grazing, row crop, ag. and urban construction
 - iii. Flood control system is challenged by sedimentation and erosion
 - 1. Management of these is expensive and can cause wq concerns

Same as above – this was an important point to the group and needs to be included appropriately.

“Continued increases in the urban population are expected in all cities/towns in the Salinas Valley. Increased impervious surfaces throughout the Valley could exacerbate flooding in the downstream watersheds.”

Regulatory obstacles reduce the flexibility to maintain the capacity of the Recl Ditch and other drainage ditches throughout the watershed. Upstream development/impervious surfaces and debris in channels are significant problems for downstream areas. Existing culverts throughout the watershed were often installed prior to addl' development and are often undersized. Farmers west of the city of Salinas experience severe, localized flooding destroying crops with untreated stormdrain water from urban lands.

How does increased urbanization in the Salinas Valley cause flooding in the Rec. Ditch area? By backflow to the old Salinas River Channel.

INSERT THE FOLLOWING TEXT : Purpose of the Reclamation Ditch

In the 1920's, the main purpose of the reclamation ditch was for land reclamation and not flood control. Land reclamation was accomplished by construction of a defined

watercourse to drain the standing water and its tributaries. The existence of dry lakes throughout the watershed provided valuable storm water storage and minimized the need for downstream channel capacity.

As a result of reclaiming the land, the watershed and land uses within it changed resulting in additional agriculture and urban growth. This increase in impervious surfaces lead to a need for flood control throughout the watershed.

More recently, we have seen that increasing upstream impervious surfaces, bank erosion and sedimentation throughout the system often exceed the capacity of the, formerly, dry lakes. The lakes are then unable to evacuate stored flows creating chronic loss of channel capacity

4. Botanical Assessment

Season will have bearing on what is evaluated.

Please provide the Date&Year of Aerial Photography used for plant surveys.

Page 113 – Non-native species

CAL-IPC is referenced but this section should include the A, B, C categories and should be used to prioritize these species rather than just a laundry list. The County of Monterey should be contacted to reference their Weed Management Area (WMA) that has already prioritized 12 specific species for control purposes which are also all A-rated.

For example, the Assessment does not mention “purple star thistle” which is an A-rated (CDFA) noxious weed and is present in the watershed.

*Contact Deputy Ag Commissioner Bob Roach,
759-7325.*

*Benthic macroinvertebrates in the Rec Ditch –
Conclusions drawn from Table 7.2 can be misleading.*

5. Water Quality Assessment

a. Qualifiers in this section

- i. Some water quality impairment may be related to legacy constituents (DDT, DDE) (DDT data suggest that levels are declining).
- ii. There is uncertainty in the definition of a water quality concern.
- iii. There is bias in the available data because data with different sampling times and locations were combined. An unbiased assessment would require random or stratified random sampling.
- iv. Only sites sampled more than five times were included in the analysis.

b. The watershed contains 16 listings for impaired water quality under the Clean Water Act

- i. Based on data, listings, and other documentation, this watershed is noted for water quality impairments. (see qualifier

- c. Data from five different entities at 37 sites in the watershed were compiled for the years 1999 to 2004.
- d. For each constituent, “objectives” were defined and “concerns” were defined as failure to meet objectives.

Summary statements for each constituents

Suspended sediment concentrations based on coldwater aquatic habitat

1. Objective:
 - a. low 100 mg/L, high 1000 mg/L (*no definition for mild, explain*)
2. Results:
 - a. low - 14 out of 35 sites did not meet in ½ of samples
 - b. high - 1 out of 35 sites did not meet in ½ of samples

Nitrate concentrations did not meet drinking water objectives

(10 mg/L as N) in 12 out of 33 sites;
or the aquatic ecosystem objective (2.5mg/L as N) in 25 out of 33 sites.

[Insert here in Summ & Conclusions text that summarizes the below. Then please include the below text and the referenced 2001 survey results and table 6.6 from MCWRA report into the Water Quality Assessment, Chapter X, to indicate that growers are obliged to use high nitrate](#)

*When evaluating nitrate in surface water or runoff from watersheds in Monterey County, it must be realized that ground water utilized for irrigation may contain levels of nitrate higher than the EPA primary drinking water limit of 45mg/L as NO₃ or of 10mg/L as N. This ground source water nitrate may be present even when growers have been and are practicing current, proven irrigation and nutrient management practices. Many growers have no alternative to using high nitrate source water from existing wells. Ninety five percent of the source water in the Salinas Valley, Monterey County is ground water. Additionally, recycled water used to irrigate crops in some portions of the county can have high nitrate levels. Two pieces of information are presented from the County Water Agency to indicate that changes in ground water nitrate levels occur extremely slowly and may be difficult to detect without long-term data collection. See Attachment 1, **2001 Nitrate Management Survey Results Report Salinas Valley, California - August 2002, Interpretation Summary, MCWRA**. Over 90% of 96,548 represented acreage in the survey, indicated they had improved nitrate management practices over the past ten years from 1991 to 2001.*

*Attachment 2, **Table 6.6 1995 Nitrate Concentrations, Salinas Valley Basin, MCWRA Water Resources Data Report Water Year 1994-1995, MCWRA, reprint January 2000**, reflects the average ground water nitrate measured from agriculture production wells. For the 1995 summer sampling by the MCWRA, the average nitrate concentration for 262 agriculture production wells in the Salinas Valley was 55 mg/L as NO₃ or 12 mg/L as N. This average excludes the deeper 400-Foot aquifer wells in the coastal Salinas Valley, which are protected from the impacts of surface nitrate by confining clay layers.*

Water Temperature

1. Objective: for cold water fish species (18 degees C)
warm water species (27 degrees C)
2. Results: 4 out of 25 warm water sites did not meet warm water obj.
1 out of 2 cold water sites did not meet cold water obj.

Dissolved Oxygen

1. Objective : low is 2 mg/L (for ag. use)
 high is 5 mg/L
2. Results: 2 out of 27 sites did not meet low obj.
 6 out of 27 sites did not meet the high obj

Fecal Coliform Bacteria

1. Objective: low is 400 colony forming units/100 mL,
 high is 4000 colony forming units/100 mL
2. Results: 3 out of 18 sites did not meet the low obj.
 14 out of 18 sites did not meet the high obj.

The strain of Ecoli harmful to humans has not been found. H7157 was not picked up in fields but found in surface water samples. It is not known how it entered the waterway. Of all sampling conducted by the water Treatment plant, it has not been found.

Chlorpyrifos and diazinon

1. Objective: "criterion maximum concentration" = CMC
3. Chlorpyrifos CMC exceeded in 4 out of 4 sites
4. Diazinon CMC exceeded in 50% of the samples

Actual DPR data should be used in the document. Estimates of use amounts are not relevant. Take out "most commonly applied" and leave "commonly applied."

Toxicity

Testing done at 5 sites in the watershed, 4 out of 5 sites were toxic

Overall recommendation to Agency to have the full Assessment "peer reviewed" or at least the entire Water Quality section.

Storm water drainage from urban community landscaping and maintenance efforts may contribute additional nutrients and pesticides to surface waters in the watershed.

Data cited in the Assessment are not sufficient to draw any conclusions. Data are from multiple sources, collected by various methods at many different times of the year and day, and are analyzed by different laboratories.

Please be sure to note when you are citing a source of data that was NOT collected under the same Quality Assurance Plan required by the Regional Board for this Assessment.

Also, please include the QAPP in appendices.

Fish kills– do we know if these were "raised" fish with low resistance due to method of breeding rather than fish spawned in the watershed? – ... Fish and Game fish releases can have low survival rates for this reason.

Comparing storm event data from a "first flush" event with one later in the season is misleading to the reader and could result in incorrect evaluation of data and conclusions.

Under “Water Quality Assessment” – water temperature
 What criteria were used to established a monitoring site as “warm” or “cold”?

Include table here summarizing water quality data. See example below:

site name and location	constituent	objective(s) used	samples exceeding the objective(s)	# of samples collected from this site	Max of results	h	ian
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Take wording out that reference data to “Rec1” waters

6b. “number of sites” vague

6. Biological Assessment

a. All data sources were from recently made observations by the CCOWS team and other consulting reports.

b. Human impacts – a number of sites downstream of intensive ag. have lower diversity and low abundance of sensitive species. This observation follows the expectation that human induced pollution and channel alteration disrupt the biological integrity of waterways in the study area.

- i. Lower watershed supports very few large mammals, but is a key habitat for small mammals (ag. & urban areas)
- ii. Upper watershed supports a managed herd of tule elk.

c. Fish Observations

- i. Rainbow trout in the headwaters of Gabilan Creek (Fall/Winter 2000)
- ii. Juvenile trout at the Old Stage Rd. crossing at Gabilan Creek (2001)
- iii. Juvenile trout below Old Stage Rd. crossing at Gabilan Creek (June 2004)
- iv. Several native species and age classes found Laurel Pond / lower Natividad Creek (Summer 2003)
- v. Two factors that limit fish species distribution are poor quality water conditions and migration constraints

d. Food Safety - The presence of mammals in and near crops is a threat, real or perceived, that affects the sale of crops.

Appendix B – Checklist of Amphibians and Reptiles

Table 10.1 A Species Checklist of Amphibians and Reptiles. The following is a list of species that are likely to occur in the region/Reclamation Ditch Watershed based on species range maps published in Stebbins (2003).

	Species Common Name	Species Scientific Name
Salamanders and Newts		
	California tiger salamander	<i>Ambystoma californiense</i>
	arboreal salamander	<i>Aneides lugubris</i>
	Gabilan Mountains Slender Salamander	<i>Batrachoseps gabilanensis</i>
	Pacific giant salamander	<i>Dicamptodon tenebrosus</i>
	California newt	<i>Taricha torosa</i>
Toads and Frogs		
	Western spadefoot toad	<i>Spea hammondi</i>
	Western toad	<i>Bufo boreas</i>
	Pacific treefrog	<i>Hyla regilla</i>
	bullfrog *!	<i>Rana catesbeiana</i>
	California red-legged frog	<i>Rana aurora draytonii</i>
Turtles		
	Southwestern pond turtle	<i>Clemmys marmorata</i>
Lizards		
	Western fence lizard	<i>Sceloporus occidentalis</i>
	common side-blotched lizard	<i>Uta stansburiana</i>
	coast horned lizard	<i>Phrynosoma coronatum</i>
	Western skink	<i>Eumeces skiltonianus</i>
	California whiptail	<i>Cnemidophorus tigris mundus</i>
	Northern alligator lizard	<i>Elgaria multicarinata</i>
Snakes		
	rubber boa	<i>Charina bottae</i>
	ring-necked snake	<i>Diadophis punctatus</i>
	sharp-tailed snake	<i>Contia tenuis</i>
	California whipsnake	<i>Masticphis lateralis</i>
	Western Yellow-bellied racer	<i>Coluber constrictor</i>
	Pacific gopher snake	<i>Pituophis catenifer</i>
	California Mountain kingsnake	<i>Lampropeltis zonata</i>
	common kingsnake (California kingsnake)	<i>Lampropeltis getula</i>
	California red-sided garter snake	<i>Thamnophis sirtalis nfernalis</i>
	Western terrestrial garter snake	<i>Thamnophis elegans</i>
	aquatic garter snake	<i>Thamnophis atratus</i>
	night snake	<i>Hypsiglena torquata</i>
	Northern Pacific rattlesnake	<i>Crotalus viridis oregonus</i>

* Non-native Species

! Predatory

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Appendix C – Breeding Birds

Table 10.2 Breeding birds of the Reclamation Ditch Watershed. Data extracted from Roberson and Tenney, 1993. Note: The following list is not complete; rather it is only a list of confirmed breeding birds observed in the Reclamation Ditch Watershed by Roberson and Tenney (1993).

Species Common Name	Scientific Name	Riparian Obligate ¹	Riparian Dependent ²	Riparian Affinity ³
Acorn Woodpecker	<i>Melanerpes formicivorus</i>			3
Allen's Hummingbird	<i>Selasphorus sasin</i>			3
American Coot	<i>Fulica americana</i>			1
American Crow	<i>Corvus brachyrhynchos</i>			3
American Goldfinch	<i>Carduelis tristis</i>		X	2
American Kestrel	<i>Falco sparverius</i>			3
American Robin	<i>Turdus migratorius</i>			2
Anna's Humminbird	<i>Calypte anna</i>			3
Ash-Throated Flycatcher	<i>Myiarchus cinerascens</i>			2
Barn Owl	<i>Tuto alba</i>			3
Barn Swallow	<i>Hirundo rustica</i>			3
Bewick's Wren	<i>Thryomanes bewickii</i>		X	3
Black Phoebe	<i>Sayornis nigricans</i>			1
Black-Headed Grosbeak	<i>Pheucticus melanocephalus</i>		X	1
Black-Necked Stilt	<i>Himantopus mexicanus</i>			N/A
Blue-Gray Gnatcatcher	<i>Polioptila caerulea</i>			N/A
Brewer's Blackbird	<i>Euphagus cyanocephalus</i>			2
Brown-Headed Cowbird	<i>Molothrus ater</i>			3
Burrowing Owl	<i>Athene cunicularia</i>			N/A
Bushtit	<i>Psaltriparus minimus</i>			2
California Quail	<i>Callipepla californica</i>			3
California Towhee	<i>Pipilo crissalis</i>			3
Canyon Wren	<i>Catherpes mexicanus</i>			N/A
Cassin's Kingbird	<i>Tyrannus vociferans</i>			N/A
Cedar Waxwing	<i>Bombycilla cedrorum</i>			3
Chesnut-Backed Chickadee	<i>Parus rufescens</i>			N/A
Chipping Sparrow	<i>Spizella passerina</i>			N/A
Cinnamon Teal	<i>Anas cyanoptera</i>			N/A
Cliff Swallow	<i>Hirundo pyrrhonota</i>			2
Common Yellow Throat	<i>Geothlypis trichas</i>	X		3
Common Moorhen	<i>Gallinula chloropus</i>			N/A
Dark-Eyed Junco	<i>Junco hyemalis</i>			N/A
Downy Woodpecker	<i>Picoides pubescens</i>			1
European Starling	<i>Sturnus vulgaris</i>			3

Gadwall	<i>Anas stepera</i>			N/A
Hooded Oriole	<i>Icterus cucullatus</i>		X	N/A
Horned Lark	<i>Eremophila alpestris</i>			N/A
House Finch	<i>Carpodacus mexicanus</i>			3
House Sparrow	<i>Passer domesticus</i>			3
House Wren	<i>Troglodytes aedon</i>		X	3
Hutton's Vireo	<i>Vireo huttoni</i>			N/A
Killdeer	<i>Charadrius vociferus</i>			2
Lark Sparrow	<i>Chondestes grammacus</i>			3
Lawrence's Goldfinch	<i>Carduelis lawrencei</i>			N/A
Lesser Goldfinch	<i>Carduelis psaltria</i>		X	N/A
Loggerhead shrike	<i>Lanius ludovicianus</i>			N/A
Mallard	<i>Anas platyrhynchos</i>			1
Marsh Wren	<i>Cistothorus palustris</i>			1
Morning Dove	<i>Zenaida macroura</i>			3
Northern Mockingbird	<i>Mimus polyglottos</i>			3
Northern Oriole	<i>Icterus galbula</i>			N/A
Northern Rough-Winged Swallow	<i>Stelgidopteryx serripennis</i>			N/A
Nuttall's Woodpecker	<i>Picoides nuttallii</i>			2
Olive-Sided Flycatcher	<i>Contopus borealis</i>			N/A
Orange-Crowned Warbler	<i>Verminora celata</i>	X		3
Pacific-Slope Flycatcher	<i>Empidonax difficilis</i>			2
Pied-Billed Grebe	<i>Podilymbus podiceps</i>			1
Pine Siskin	<i>Carduelis pinus</i>			N/A
Plain Titmouse	<i>Parus inornatus</i>			3
Purple Finch	<i>Carpodacus purpureus</i>			N/A
Red-Shouldered Hawk	<i>Buteo lineatus</i>			3
Red-Tailed Hawk	<i>Buteo jamaicensis</i>			3
Red-Winged Blackbird*	<i>Agelaius phoeniceus</i>			2
Rock Dove	<i>Columba livia</i>			N/A
Rock Wren	<i>Salpinctes obsoletus</i>			N/A
Ruddy Duck	<i>Oxyura jamaicensis</i>			N/A
Rufous-Crowned Sparrow	<i>Aimophila ruficeps</i>			N/A
Rufous-Sided Towhee	<i>Pipilo erythrophthalmus</i>			N/A
Savannah Sparrow	<i>Passerculus sandwichensis</i>			3
Snowy Plover	<i>Charadrius alexandrinus</i>			N/A
Solitary Vireo	<i>Vireo solitarius</i>			N/A
Song Sparrow	<i>Melospiza melodia</i>	X		1
Stellar's Jay	<i>Aphelocoma coerulescens</i>			N/A
Swainson's Thrush	<i>Catharus ustulatus</i>		X	2
Tree Swallow	<i>Tachycineta bicolor</i>		X	2
Tricolored Blackbird	<i>Agelaius tricolor</i>			N/A

Violet–Green Swallow	<i>Tachycinta thalassina</i>			N/A
Warbling Vireo	<i>Vireo gilvus</i>		X	1
Western Bluebird	<i>Sialia mexicana</i>			N/A
Western Gull	<i>Larus occidentalis</i>			N/A
Western Meadowlark	<i>Sturnella neglecta</i>			3
Western Wood–Pewee	<i>Contopus sordidulud</i>		X	3
White–Breasted Nuthatch	<i>Sitta carolinensis</i>			3
White–Crowned Sparrow	<i>Zonotrichia leucophrys</i>			N/A
Wild Turkey	<i>Melaeagris gallopavo</i>			N/A
Wilson's Warbler	<i>Wilsonia pusilla</i>	X		2
Wrentit	<i>Chamaea fasciata</i>			3
Yellow–Billed Magpie	<i>Pica nuttalli</i>			3
Total # of Species	87	4	10	8 (ranked #1)

¹ **Riparian Dependent Species** = means these species place 60–90% of their nests in riparian vegetation or for which 60–90% of their abundance occurs in riparian vegetation during the breeding season.

² **Riparian Obligate Species** = Species that place > 90% of their nests in riparian vegetation or of which > 90% of their abundance is in riparian vegetation during the breeding season.

Source Online @: <http://www.npwr.usgs.gov/resource/1998/ripveg/ripveg.htm#contents>

³ **Riparian Affinity**: (1 = riparian obligate, 2 = prefers riparian, 3 = prefers non–riparian) as defined by Haff and Geupel (2001), Source online @: <http://watershed.ucdavis.edu/crg/product.asp?var=%2224%22>

N/A = not listed

* While the redwing black bird is not noted as a riparian obligate or a species with the highest affinity for riparian areas, in the Salinas Valley Roberson and Tenney (1993) noted that this species was observed breeding primarily in riparian areas.

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Appendix D – Riparian Vegetation Species–Site Table

During the summer and fall of 2004, plant species composition and percent cover within three different levels of vegetative canopy were described at 13 sites in the Watershed, representing six different general vegetative communities (Saltwater Marsh, Freshwater Marsh, Bare Ditch/Weeds, Willow, Mixed Riparian, and Oak Woodland). The data are reproduced below courtesy of J. Hameister, collected during 2004 as part of a senior project in Earth Systems Science and Policy, CSUMB:

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Table 10.3 Species Matrix. Percent cover for each species and strata are shown. Species that were at the site but not on any transects are undedicated with an X.

					Percent Cover based on combination of all transects														
1-Ground, 2-Mid, 3-Canopy					Satwater Marsh		Bare Ditch/Weeds			Freshwater Slough		Willow		Mixed Riparian			Oak		
Level	Species	Common Name	Nature Serve*	Native	OLS-POT	OLS-POT 2	REC-BOR	REC-VIC	REC-AIR	ALI-COO	Markley	TEM-183	REC-183	GAB-VET	NAT-FRE	GAB-OSR	Fremont	Fremont 2	
1	<i>Distichlis spicata</i>	saltgrass	G5	Yes	5.7%														
2	<i>Grindelia stricta var. angustifolia</i>	marsh gumplant	G4?T3	Yes	0.7%														
2	<i>Frankenia salina</i>	alkali heath	G3G4	Yes	0.3%														
2	<i>Salicornia sp.</i>	pickleweed		Yes	0.3%														
1	<i>Grindelia stricta var. angustifolia</i>	marsh gumplant	G4?T3	Yes	0.3%														
1	<i>Salicornia sp.</i>	pickleweed		Yes	46.3%	72.7%													
1	<i>Conicosia pugioniformis</i>	false ice plant			27.3%	6.7%													
1	<i>Frankenia salina</i>	alkali heath	G3G4	Yes	19.0%	12.3%													
1	<i>Carpobrotus edulis</i>	ice plant	GNR		15.0%	7.7%													
2	<i>Ericameria ericoides</i>	mock heather	G3?	Yes		5.7%													
2	<i>Artemisia pycnocephala</i>	beach sagewort	G4G5	Yes		0.3%													
2	<i>Cuscuta sp.</i>	Dodder		Yes	4.7%	0.3%					2.5%								
1		Thatch			22.7%	6.0%	54.5%	58.2%	50.9%	16.2%	43.5%	29.1%		45.3%	64.2%	27.3%	100.0%		
1		Bareground				5.3%	30.6%	17.9%	20.8%	36.2%		7.1%	1.3%	9.4%	10.8%				
1		Water				1.3%	14.9%	18.7%	20.1%	8.5%	0.6%	19.2%			4.5%				
1	<i>Raphanus sativus</i>	wild radish	GNR					0.7%			0.7%								
1	<i>Poacea Family</i>	grass						1.5%			0.6%								
1	<i>Opuntia chlorotica</i>	prickly-pear cactus	G4		X		X	3.0%		0.8%	3.0%								
1		riprap							8.2%							0.9%			
2		thatch			1.3%					7.7%	7.5%	13.2%	18.4%	17.0%				79.0%	
1	<i>Rumex conglomeratus</i>	Dock	GNR							9.2%									
1		Rubble								2.3%									
2	<i>Typha latifolia</i>	broad-leaved cattail	G5	Yes						30.8%	4.3%								
1	<i>Typha latifolia</i>	broad-leaved cattail	G5	Yes							6.2%								

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Level	Species	Common Name	Nature Serve	Native	OLS-POT	OLS-POT 2	REC-BOR	REC-VIC	REC-AIR	ALI-COO	Markley	TEM-183	REC-183	GAB-VET	NAT-FRE	GAB-OSR	Fremont	Fremont 2
1	<i>Chamaesyce spp.</i>	sandmat		Yes							1.9%							
2	<i>Malva parviflora</i>	cheeseweed	GNR								1.9%							
1	<i>Polygonum amphibium var.</i>	smartweed	G5T5	Yes							5.0%							
2	<i>Polygonum amphibium var.</i>	smartweed	G5T5	Yes							11.8%			X				
1	<i>Polygonum arenastrum</i>	common knotweed	G5?								5.6%							
2	<i>Polygonum arenastrum</i>	common knotweed	G5?								3.1%							
2	<i>Poacea Family</i>	grass									2.5%							
2	<i>Atriplex triangularis</i>	spearscale			0.7%						14.3%	9.3%						
1	<i>Malva parviflora</i>	cheeseweed	GNR								4.3%	0.5%						
1	<i>Atriplex triangularis</i>	spearscale									4.3%	9.3%						
2	<i>Raphanus sativus</i>	wild radish	GNR									3.8%						
2	<i>Pseudognaphalium sp</i>	cudweed	G5	?								0.5%						
1	<i>Xanthium spinosum</i>	spiny dot bur	GNR									1.1%						
3	<i>Conium maculatum</i>	poison hemlock	G5									2.2%						
2	<i>Urtica dioica</i>	stinging nettle	G5	Yes								11.0%						
1	<i>Salsola tragus</i>	Russian thistle	GNRTNR									0.5%						
1	<i>Epilobium brachycarpum</i>	willow herb	G5	Yes								0.5%		1.9%				
1	<i>Artemisia douglasiana</i>	Douglas' Sagewort	G5	Yes									1.3%					
2	<i>Artemisia douglasiana</i>	Douglas' Sagewort	G5	Yes									2.6%					
2	<i>Conyza canadensis</i>	horseweed	G5	?									2.6%					
2	<i>Urtica dioica</i>	stinging nettle	G5	Yes									14.5%			6.4%		
1	<i>Conium maculatum</i>	poison-hemlock	G5							3.1%		1.1%	7.9%	0.9%				
2	<i>Salix sp.</i>	willow	G4/G5	Yes								0.5%		43.4%	13.6%			
3	<i>Salix sp.</i>	willow	G4/G5	Yes							10.6%	23.1%	73.7%	60.4%	59.7%	67.3%		
1	<i>Conyza canadensis</i>	horseweed	G5	?									6.6%	3.8%				
3		thatch										14.3%	27.6%	2.8%				
1	<i>Rorippa nasturtium-aquaticum</i>	watercress	GNR	Yes						5.4%				11.3%		2.7%		
1	<i>Picris echioides</i>	bristly oxtongue	GNR									1.6%		1.9%				
2	<i>Rorippa nasturtium-aquaticum</i>	watercress	GNR	Yes										2.8%				
2	<i>Apiastrum graveolens</i>	celery (??)												4.7%				

Level	Species	Common Name	Nature Serve	Native	OLS-POT	OLS-POT 2	REC-BOR	REC-VIC	REC-AIR	ALI-COO	Markley	TEM-183	REC-183	GAB-VET	NAT-FRE	GAB-OSR	Fremont	Fremont 2
1	<i>Cyperus eragrostis</i>	Tall Cyperus	G5	Yes										0.9%				
2	<i>Cyperus eragrostis</i>	Tall Cyperus	G5	Yes										1.9%				
2	<i>Epilobium ciliatum</i>	willowherb	G5	Yes										2.8%				
2	<i>Equisetum arvense</i>	horsetail	G5	Yes										0.9%				
2	<i>Panicum milliaceum (?)</i>	broomcorn millit (??)												11.3%				
2	<i>Picris echioides</i>	bristly oxtongue	GNR											3.8%				
1	<i>Vicia sativa</i>	spring Vetch	GNR	Yes										0.9%				
1	<i>Rubus ursinus</i>	California blackberry	G5	Yes										1.9%	11.4%	47.3%		
1	<i>Medicago polymorpha</i>	bur Clover	GNR												0.6%			
1	<i>Phalaris aquatica</i>	harding grass	GNR												0.6%			
1	<i>Ranunculus californicus</i>	California buttercup	G5	Yes											0.6%			
1	<i>Cornus Sp.</i>	dogwood	G5	Yes											1.1%			
1	<i>Fescue sp.</i>	turf grass	G5												1.1%			
1	<i>Rosa californica</i>	California wild rose	G4	Yes											1.7%			
1	<i>Cynodon dactylon</i>	Bermuda grass	GNR												5.7%			
3	<i>Sambucus mexicana</i>	blue elderberry	G5T5?	Yes											6.8%			
3	<i>Alnus rhombifolia</i>	white alder	G5	Yes											7.4%			
2	<i>Cornus Sp.</i>	dogwood	G5	Yes											8.0%			
3	<i>Platanus racemosa</i>	sycamore	G5	Yes										X	12.5%			
2	<i>Rubus ursinus</i>	California blackberry	G5	Yes											9.1%	6.4%		
1	<i>Salix sp.</i>	willow	G4/G5	Yes											1.7%	1.8%		
3	<i>Acer negundo</i>	box elder	G5	Yes											4.5%	20.0%		
2	<i>Acer negundo</i>	box elder	G5	Yes											5.1%	2.7%		
1		Rock													1.1%			16.1%
2	<i>Sambucus mexicana</i>	blue elderberry	G5T5?	Yes											5.7%			11.3%
1	<i>Urtica dioica</i>	stinging nettle	G5	Yes												0.9%		
1	<i>Cornus sericea ssp. Occidentalis</i>	western dogwood	red G5T4T5	Yes												0.9%		
2	<i>Cornus sericea ssp. Occidentalis</i>	western dogwood	red G5T4T5	Yes												7.3%		

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Level	Species	Common Name	Nature Serve	Native	OLS-POT	OLS-POT 2	REC-BOR	REC-VIC	REC-AIR	ALI-COO	Markley	TEM-183	REC-183	GAB-VET	NAT-FRE	GAB-OSR	Fremont	Fremont 2
1	<i>Clematis Ligusticifolia</i>	Western Virgin's bower	G5	Yes												21.8%		
2	<i>Clematis Ligusticifolia</i>	Western Virgin's bower	G5	Yes												2.7%		
3	<i>Clamatis ligusticifolia</i>	Western Virgin's bower	G5	Yes												13.6%		
1		log debris														4.5%		
2	<i>Euphorbia lathyris</i>	gopher plant	GNR													0.9%		
2		log debris														0.9%		
3	<i>Populus sp.</i>	cottonwood	G5	Yes												X		
2	<i>Clinopodium douglasii</i>	yerba buena		Yes													2.5%	
2	<i>Juncus patens</i>	spreading rush	G5	Yes													0.8%	
2		unidentified shrub															8.3%	
2	<i>Lupinus albilfrons</i>	silver lupin	G5	Yes													2.5%	
2	<i>Ribes sp.</i>	gooseberry		Yes													0.8%	
2	<i>Pinus sabiniana</i>	grey pine	G4	Yes													0.8%	
2	<i>Pteridium aquilinum var. pubescens</i>	bracken fern	G5T3T5	Yes													3.3%	
2	<i>Baccharis pilularis</i>	coyote bush	G5	Yes													1.7%	
3	<i>Quercus douglasii</i>	blue Oak	G4	Yes													30.0%	
3	<i>Quercus agrifolia</i>	coast Live Oak	G5	Yes													50.8%	66.1%
3	<i>Quercus kelloggii</i>	California black oak	G4	Yes														51.6%
1	<i>Trichostema lanceolatum</i>	vinegar weed	G5	Yes														4.8%
2	<i>Toxicodendron diversilobum</i>	poison oak	G5	Yes														50.0%

Note: species with (??) after their names are “best guesses” for the species.

* Nature Serve @: <http://www.natureserve.org/>

Appendix E – Water Quality Data

Table 10.4 Water quality data collected between 1999 and 2004. Note: **ND** equals Non Detects. These results were given a value of 0 for statistical purposes.

Site Code	Date Time	Data Source	Water Temp	Dissolved Oxygen	Salinity	pH	Nitrogen as Ammonia (Total Ammonia)	Nitrogen as Nitrate	Phosphorus as Phosphate	TDS	Transparency	Turbidity	TSS/ SSC	Bedload	Total Coliform	Fecal Coliform	Chlorpyrifos Total Water Column (TPC)	Diazinon Total Water Column (TPC)
			C	mg/L	ppt		NH3-N	NO3-N	PO4-P	mg/L	cm	NTU	mg/L	g/s	MPN/100mL	MPN/100mL	ng/L	ng/L
TOW-OSR	08 Mar 00 15:45	CCoWS									11.10		1.50	0.49				
TOW-OSR	14 Apr 00 10:01	CCoWS								375.21	21.00		47.78	0.00				
TOW-OSR	16 Apr 00 22:42	CCoWS									20.00		71.54					
TOW-OSR	17 Apr 00 15:05	CCoWS								397.32	40.70		32.46					
TOW-OSR	17 Apr 00 23:23	CCoWS								396.00			22.16					
TOW-OSR	18 Apr 00 13:57	CCoWS											11.08					
TOW-OSR	12 Jul 00 16:15	CCoWS																
TOW-OSR	08 Jan 01 02:27	CCoWS						0.45					36.77					
TOW-OSR	08 Jan 01 03:43	CCoWS																
TOW-OSR	08 Jan 01 12:39	CCoWS						0.45		384.78	17.60		40.53					
TOW-OSR	08 Jan 01 19:23	CCoWS						0.45		382.80	48.80		11.50					
TOW-OSR	09 Jan 01 15:40	CCoWS						0.45	0.21	388.74	20.80		32.51					
TOW-OSR	10 Jan 01 12:45	CCoWS					0.06	0.68	0.04	345.84	13.00		64.46					
TOW-OSR	10 Jan 01 17:53	CCoWS							0.05	372.24	15.70		48.88					
TOW-OSR	11 Jan 01 13:22	CCoWS						0.68		384.78	10.30		30.83					
TOW-OSR	12 Jan 01 18:09	CCoWS						0.45		422.40	18.00		21.33					
TOW-OSR	15 Jan 01 15:25	CCoWS						0.68		399.30	26.20		5.00					
TOW-OSR	23 Jan 01 15:16	CCoWS						0.68		409.86	19.00		19.43					
TOW-OSR	24 Jan 01 05:16	CCoWS						0.68		367.62	20.50		64.56					
TOW-OSR	24 Jan 01 12:02	CCoWS					0.08	0.68	0.05	386.76	18.10		35.90					
TOW-OSR	25 Jan 01 19:07	CCoWS					0.11	0.68	0.05	228.36	1.02		1006.07					
TOW-OSR	25 Jan 01 21:33	CCoWS						0.68	0.07	322.08	8.60		99.92					
TOW-OSR	26 Jan 01 02:38	CCoWS						0.90		390.06	28.80		36.24					
TOW-OSR	26 Jan 01 11:05	CCoWS						0.68	0.13	401.28	17.10		43.91					
TOW-OSR	09 Feb 01 20:38	CCoWS						0.68		392.04	16.60		27.41					

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TOW-OSR	10 Feb 01 16:09	CCoWS					0.08	0.68		392.70	20.00		32.92				
TOW-OSR	11 Feb 01 06:40	CCoWS					0.06	0.68	0.05	343.20	9.70		92.36				
TOW-OSR	18 Feb 01 15:33	CCoWS					0.13	0.45		407.88	17.90		3.60				
TOW-OSR	19 Feb 01 07:18	CCoWS						0.68									
TOW-OSR	23 Jun 04 09:42	CCoWS	13.75	8.44	0.38	7.31											
min							0.06	0.45	0.04	228.36	1.02		1.50	0.00			
max							0.13	0.90	0.21	422.40	48.80		1006.07	0.49			
mean			13.75	8.44	0.38	7.31	0.09	0.62	0.08	376.88	19.15		74.64	0.25			
median			13.75	8.44	0.38	7.31	0.08	0.68	0.05	387.75	18.00		34.41	0.25			
Total # Samples			1	1	1	1	6	20	8	22	23	0	26	2	0	0	0
BOC-OSR	14 Apr 00 09:43	CCoWS								277.20	20.20		66.48				
BOC-OSR	16 Apr 00 22:49	CCoWS									5.20		379.46				
BOC-OSR	17 Apr 00 15:03	CCoWS								282.48	32.20		54.37				
BOC-OSR	17 Apr 00 23:18	CCoWS								283.80			11.84				
BOC-OSR	18 Apr 00 14:00	CCoWS											0.00				
BOC-OSR	12 Jul 00 16:10	CCoWS															
BOC-OSR	07 Jan 01 16:16	CCoWS					0.13	0.23	0.05								
BOC-OSR	08 Jan 01 02:10	CCoWS								292.38			41.09				
BOC-OSR	08 Jan 01 04:14	CCoWS					0.13	0.23	0.05	271.92	5.53		202.85				
BOC-OSR	08 Jan 01 12:44	CCoWS					0.12	0.68	0.06	327.36	14.40		41.23				
BOC-OSR	08 Jan 01 19:14	CCoWS					0.16	0.23		331.98	8.30		149.95				
BOC-OSR	09 Jan 01 15:44	CCoWS						0.23		305.58	41.60		25.05				
BOC-OSR	10 Jan 01 12:40	CCoWS					0.33	0.68	0.06	297.00	5.17		478.05				
BOC-OSR	10 Jan 01 18:04	CCoWS					5.10	0.90	0.28	512.82	3.28		161.98				
BOC-OSR	11 Jan 01 13:12	CCoWS					0.79	0.45	0.07	351.12	36.40		21.29				
BOC-OSR	12 Jan 01 18:19	CCoWS					0.80	0.45		374.88	41.70		13.91				
BOC-OSR	23 Jan 01 15:26	CCoWS					0.05	0.23		308.88	31.50		12.10				
BOC-OSR	24 Jan 01 05:23	CCoWS					0.12	0.45	0.05	298.98	9.50		103.03				
BOC-OSR	24 Jan 01 12:10	CCoWS					1.96	0.90	0.10	374.22	12.30		48.33				
BOC-OSR	25 Jan 01 09:43	CCoWS					6.70	0.90	0.27								
BOC-OSR	25 Jan 01 19:21	CCoWS					5.10	0.90	0.06	267.96	0.59		1862.75				
BOC-OSR	25 Jan 01 21:41	CCoWS					6.70	0.90	0.27	388.08	4.80		284.22				

BOC-OSR	26 Jan 01 02:08	CCoWS	4.00	0.68	0.29	402.60	8.80	44.91									
BOC-OSR	26 Jan 01 11:11	CCoWS	2.19	0.68	0.15	351.12	32.50	15.52									
BOC-OSR	09 Feb 01 20:44	CCoWS	0.74	1.13	0.21	357.72	23.20	39.21									
BOC-OSR	11 Feb 01 06:47	CCoWS	1.85	0.90	0.37	364.32	4.01	214.72									
BOC-OSR	18 Feb 01 15:37	CCoWS	0.12	0.45		333.30	18.60	11.30									
BOC-OSR	19 Feb 01 07:23	CCoWS				273.24	4.40	340.17									
min			0.12	0.45	0.06	267.96	0.59	11.30									
max			6.70	1.13	0.37	402.60	32.50	1862.75									
mean			2.96	0.81	0.22	342.29	12.11	351.60									
median			2.19	0.90	0.24	354.42	6.80	129.81									
Total # Samples			0	0	0	0	19	20	15	23	22	0	25	0	0	0	0
GAB-OSR	08 Mar 00 16:28	CCoWS					38.20	5.78	26.96								
GAB-OSR	13 Apr 00 15:43	CCoWS				379.17	57.50	20.39	35.53								
GAB-OSR	13 Apr 00 16:50	CCoWS				379.17	57.50	0.00									
GAB-OSR	14 Apr 00 09:33	CCoWS				363.00	60.00	27.55									
GAB-OSR	16 Apr 00 22:56	CCoWS				380.16	20.00	273.66									
GAB-OSR	17 Apr 00 03:01	CCoWS				376.20	60.00	10.19									
GAB-OSR	17 Apr 00 14:40	CCoWS				369.60	60.00	0.00	59.35								
GAB-OSR	17 Apr 00 14:52	CCoWS				365.64		10.20									
GAB-OSR	17 Apr 00 23:08	CCoWS				360.36		19.99									
GAB-OSR	18 Apr 00 14:04	CCoWS															
GAB-OSR	03 Jul 00 16:47	CCoWS															
GAB-OSR	12 Jul 00 15:30	CCoWS															
GAB-OSR	11 Oct 00 14:13	CCoWS	0.06	0.39	0.05												
GAB-OSR	25 Oct 00 14:32	CCoWS				425.04	43.15	18.20	0.00								
GAB-OSR	25 Oct 00 20:20	CCoWS				429.00	28.70	2.93									
GAB-OSR	25 Oct 00 20:38	CCoWS															
GAB-OSR	26 Oct 00 10:16	CCoWS				412.50	9.30	51.60	0.00								
GAB-OSR	26 Oct 00 16:36	CCoWS				405.24	9.90	74.61									
GAB-OSR	26 Oct 00 21:57	CCoWS				297.66	1.54	13039.01									
GAB-OSR	27 Oct 00 06:34	CCoWS	0.03	0.34	0.04	411.84	18.70	31.05	0.00								
GAB-OSR	27 Oct 00 09:05	CCoWS	0.03	0.37	0.04	415.14	24.20	11.00									
GAB-OSR	28 Oct 00 11:23	CCoWS				441.54	49.00	18.62									
GAB-OSR	28 Oct 00 19:05	CCoWS	0.06	0.33	0.16	293.04	1.05	395.00									

GAB-OSR	29 Oct 00 00:03	CCoWS				170.94	1.10	1121.18	
GAB-OSR	29 Oct 00 01:07	CCoWS				347.82	5.20	197.18	0.46
GAB-OSR	29 Oct 00 07:08	CCoWS				409.86	28.07	43.83	
GAB-OSR	29 Oct 00 07:24	CCoWS	0.03	0.33	0.05				
GAB-OSR	29 Oct 00 09:25	CCoWS	0.19	0.40	0.23	115.50	0.36	3982.63	0.00
GAB-OSR	29 Oct 00 09:50	CCoWS							
GAB-OSR	29 Oct 00 10:04	CCoWS							
GAB-OSR	29 Oct 00 10:15	CCoWS							
GAB-OSR	29 Oct 00 20:39	CCoWS						31.19	
GAB-OSR	30 Oct 00 21:54	CCoWS	0.05	0.41	0.05	438.90	39.40	15.62	1.96
GAB-OSR	31 Oct 00 21:08	CCoWS	0.03	0.41	0.04	443.52	45.40	18.40	1.02
GAB-OSR	04 Nov 00 12:30	CCoWS				427.68	60.00	27.33	
GAB-OSR	07 Jan 01 15:38	CCoWS		0.23		410.52	22.10	0.00	
GAB-OSR	08 Jan 01 02:40	CCoWS							
GAB-OSR	08 Jan 01 03:35	CCoWS							
GAB-OSR	08 Jan 01 04:23	CCoWS		0.45	0.11	398.64	25.20	56.15	
GAB-OSR	08 Jan 01 08:03	CCoWS		0.45		360.36	27.20	70.13	
GAB-OSR	08 Jan 01 11:27	CCoWS		0.45	0.06	293.70	4.20	217.10	5.86
GAB-OSR	08 Jan 01 12:21	CCoWS		0.45	0.04	363.66	19.40	81.34	
GAB-OSR	08 Jan 01 19:02	CCoWS		0.23		397.32	23.20	40.95	
GAB-OSR	09 Jan 01 15:58	CCoWS		0.23		399.96	28.20	26.19	2.15
GAB-OSR	10 Jan 01 12:25	CCoWS	0.06	0.45	0.15	1590.60	0.89	1411.55	0.90
GAB-OSR	10 Jan 01 18:17	CCoWS		0.68	0.14	204.60	2.32	372.83	8.30
GAB-OSR	10 Jan 01 18:33	CCoWS							
GAB-OSR	10 Jan 01 22:15	CCoWS				287.76	7.50	88.91	3.55
GAB-OSR	11 Jan 01 13:22	CCoWS	0.00	0.45	0.05	335.28	9.80	79.18	5.41
GAB-OSR	11 Jan 01 18:30	CCoWS		0.45	0.03	297.66	8.20	102.44	15.46
GAB-OSR	12 Jan 01 18:30	CCoWS		0.45	0.03	427.02	27.80	20.87	1.31
GAB-OSR	15 Jan 01 15:35	CCoWS		0.34		396.66	29.20	6.72	
GAB-OSR	23 Jan 01 15:35	CCoWS		0.45		406.56	27.00	16.91	3.73
GAB-OSR	24 Jan 01 05:31	CCoWS		0.45	0.15	237.60	3.60	395.97	4.39
GAB-OSR	24 Jan 01 12:22	CCoWS		0.23	0.10	317.46	12.40	52.75	6.16
GAB-OSR	25 Jan 01 19:41	CCoWS	0.07	0.45	0.19	104.94	0.57	2387.30	10.58
GAB-OSR	25 Jan 01 19:50	CCoWS							
GAB-OSR	25 Jan 01 21:55	CCoWS		0.68	0.14	199.98	1.01	723.63	10.52
GAB-OSR	26 Jan 01 02:08	CCoWS		0.45	0.04	365.64	11.80	77.88	6.33

GAB-OSR	26 Jan 01 10:52	CCoWS			0.45	0.03	405.24	28.20		11.20	6.78
GAB-OSR	09 Feb 01 20:25	CCoWS			0.45	0.17	369.60	10.40		69.93	6.02
GAB-OSR	10 Feb 01 16:18	CCoWS			0.45		365.64	15.40		21.27	3.73
GAB-OSR	11 Feb 01 06:57	CCoWS			0.45	0.15	145.86	0.38		538.66	
GAB-OSR	11 Feb 01 08:48	CCoWS					236.94	1.66		399.17	
GAB-OSR	12 Feb 01 08:03	CCoWS					211.86	5.60		234.05	3.98
GAB-OSR	18 Feb 01 15:30	CCoWS			0.23		416.46	20.80		9.28	2.53
GAB-OSR	19 Feb 01 07:10	CCoWS			0.45	0.12	112.20	1.35		882.24	163.74
GAB-OSR	19 Feb 01 07:28	CCoWS									
GAB-OSR	04 Oct 00 10:04	UCSC	15.13	9.37							8.08
GAB-OSR	25 Oct 00 10:04	UCSC	13.64	9.75							7.72
GAB-OSR	07 Nov 00 10:04	UCSC	13.82	9.77							7.73
GAB-OSR	22 Nov 00 10:04	UCSC	10.67	10.67							7.75
GAB-OSR	06 Dec 00 10:04	UCSC	10.79	9.58							7.58
GAB-OSR	19 Dec 00 10:04	UCSC	9.90	10.83							7.89
GAB-OSR	04 Jan 01 10:04	UCSC	9.40	11.10							8.20
GAB-OSR	11 Jan 01 13:55	UCSC	10.23	10.23							8.11
GAB-OSR	16 Jan 01 10:04	UCSC	7.81	11.54							7.86
GAB-OSR	30 Jan 01 10:04	UCSC	9.37	10.94							8.48
GAB-OSR	13 Feb 01 10:04	UCSC	10.67	10.55							7.91
GAB-OSR	27 Feb 01 10:04	UCSC	14.13	9.65							7.97
GAB-OSR	05 Mar 01 10:04	UCSC									
GAB-OSR	13 Mar 01 10:04	UCSC	14.32	9.69							7.99
GAB-OSR	24 Mar 01 10:04	UCSC									
GAB-OSR	10 Apr 01 10:04	UCSC	12.74	10.29							8.04
GAB-OSR	21 Apr 01 10:04	UCSC									
GAB-OSR	24 Apr 01 10:04	UCSC	15.71	9.92							8.04
GAB-OSR	08 May 01 10:04	UCSC	17.33	10.45							8.23
GAB-OSR	22 May 01 10:04	UCSC	16.25	10.75							8.13
GAB-OSR	05 Jun 01 10:04	UCSC	15.12	11.75							8.21
GAB-OSR	19 Jun 01 10:04	UCSC	16.35	11.10							8.14
GAB-OSR	02 Jul 01 10:04	UCSC	17.59	10.25							8.19
GAB-OSR	18 Jul 01 10:04	UCSC	14.76	10.61							8.38
GAB-OSR	01 Aug 01 10:04	UCSC	14.47	9.57							8.69
GAB-OSR	20 Aug 01 10:04	UCSC	13.99	9.60							8.54
GAB-OSR	04 Sep 01 10:04	UCSC	14.38	10.90							8.45

GAB-OSR	05 Oct 01 10:04	UCSC	17.55	10.45	8.32
GAB-OSR	23 Oct 01 10:04	UCSC	14.25	9.85	8.20
GAB-OSR	21 Nov 01 10:04	UCSC	14.28	9.05	8.56
GAB-OSR	04 Dec 01 10:04	UCSC	10.02	10.35	8.42
GAB-OSR	18 Dec 01 10:04	UCSC	10.79	9.85	8.49
GAB-OSR	03 Jan 02 10:04	UCSC	12.79	9.88	8.28
GAB-OSR	16 Jan 02 10:04	UCSC	7.47	11.80	8.57
GAB-OSR	30 Jan 02 10:04	UCSC	6.89	12.01	8.64
GAB-OSR	13 Feb 02 10:04	UCSC	11.38	10.44	8.81
GAB-OSR	28 Feb 02 10:04	UCSC	14.87	9.61	7.95
GAB-OSR	28 Mar 02 10:04	UCSC			
GAB-OSR	10 Apr 02 10:04	UCSC	15.14	10.41	8.10
GAB-OSR	25 Apr 02 10:04	UCSC	14.29	9.97	8.24
GAB-OSR	09 May 02 10:04	UCSC	13.38	8.38	8.31
GAB-OSR	23 May 02 10:04	UCSC	14.55	10.32	8.48
GAB-OSR	06 Jun 02 10:04	UCSC	14.63	10.09	8.43
GAB-OSR	19 Jun 02 10:04	UCSC			8.30
GAB-OSR	17 Jul 02 10:04	UCSC	15.50	10.90	8.26
GAB-OSR	31 Jul 02 10:04	UCSC	16.50	9.76	7.97
GAB-OSR	14 Aug 02 10:04	UCSC	16.50	11.26	8.43
GAB-OSR	27 Aug 02 10:04	UCSC	16.30	11.47	8.26
GAB-OSR	10 Sep 02 10:04	UCSC	16.50	11.10	8.27
GAB-OSR	25 Sep 02 10:04	UCSC	15.02	9.62	8.43
GAB-OSR	08 Oct 02 10:04	UCSC	15.16	9.43	8.32
GAB-OSR	22 Oct 02 10:04	UCSC	12.80	9.58	8.45
GAB-OSR	05 Nov 02 10:04	UCSC	12.05	9.76	8.39
GAB-OSR	19 Nov 02 12:00	UCSC	11.23	9.66	8.19
GAB-OSR	03 Dec 02 12:14	UCSC	10.82	7.72	8.26
GAB-OSR	17 Dec 02 13:26	UCSC	11.51	10.18	8.22
GAB-OSR	29 Dec 02 10:00	UCSC			
GAB-OSR	14 Jan 03 13:12	UCSC	13.00	9.12	8.01
GAB-OSR	28 Jan 03 14:24	UCSC	13.82	9.19	8.06
GAB-OSR	11 Feb 03 13:55	UCSC	11.69	8.14	9.61
GAB-OSR	20 May 03 13:35	UCSC	16.03	8.54	8.25
GAB-OSR	03 Jun 03 12:00	UCSC	14.14	8.54	8.35
GAB-OSR	17 Jun 03 12:14	UCSC	14.57	9.00	8.47

GAB-OSR	01 Jul 03 12:57	UCSC	15.84	9.63	8.35		
GAB-OSR	15 Jul 03 12:57	UCSC	15.16	9.70	8.20		
GAB-OSR	29 Jul 03 13:26	UCSC	16.06	9.43	8.16		
GAB-OSR	12 Aug 03 10:04	UCSC	15.35	9.92	8.25		
GAB-OSR	26 Aug 03 10:04	UCSC	17.39	7.76	8.34		
GAB-OSR	04 Oct 00 10:04	UCSC				0.26	0.12
GAB-OSR	25 Oct 00 10:04	UCSC				0.43	0.07
GAB-OSR	07 Nov 00 10:04	UCSC				0.11	0.21
GAB-OSR	22 Nov 00 10:04	UCSC				0.50	0.15
GAB-OSR	06 Dec 00 10:04	UCSC				0.29	
GAB-OSR	19 Dec 00 10:04	UCSC				0.45	0.13
GAB-OSR	04 Jan 01 10:04	UCSC				0.44	0.10
GAB-OSR	11 Jan 01 13:55	UCSC				0.46	0.11
GAB-OSR	16 Jan 01 10:04	UCSC				0.46	0.10
GAB-OSR	30 Jan 01 10:04	UCSC				0.55	0.06
GAB-OSR	13 Feb 01 10:04	UCSC				0.29	0.02
GAB-OSR	27 Feb 01 10:04	UCSC				0.26	0.04
GAB-OSR	05 Mar 01 10:04	UCSC				0.44	0.01
GAB-OSR	13 Mar 01 10:04	UCSC				0.42	0.11
GAB-OSR	24 Mar 01 10:04	UCSC				0.39	0.11
GAB-OSR	10 Apr 01 10:04	UCSC				0.54	0.01
GAB-OSR	21 Apr 01 10:04	UCSC				0.45	0.04
GAB-OSR	24 Apr 01 10:04	UCSC				0.58	0.02
GAB-OSR	08 May 01 10:04	UCSC				0.72	0.01
GAB-OSR	22 May 01 10:04	UCSC				0.68	0.01
GAB-OSR	05 Jun 01 10:04	UCSC				0.64	0.15
GAB-OSR	19 Jun 01 10:04	UCSC				1.18	0.04
GAB-OSR	02 Jul 01 10:04	UCSC				1.14	0.11
GAB-OSR	18 Jul 01 10:04	UCSC				1.09	0.05
GAB-OSR	01 Aug 01 10:04	UCSC				1.38	0.16
GAB-OSR	20 Aug 01 10:04	UCSC				1.15	0.04
GAB-OSR	04 Sep 01 10:04	UCSC				1.33	0.03
GAB-OSR	20 Sep 01 10:04	UCSC				1.13	0.03
GAB-OSR	05 Oct 01 10:04	UCSC				0.49	0.02
GAB-OSR	23 Oct 01 10:04	UCSC				0.30	0.08
GAB-OSR	21 Nov 01 10:04	UCSC				0.68	0.01

GAB-OSR	04 Dec 01 10:04	UCSC	0.62	0.05
GAB-OSR	18 Dec 01 10:04	UCSC	0.71	0.01
GAB-OSR	03 Jan 02 10:04	UCSC	0.63	0.05
GAB-OSR	16 Jan 02 10:04	UCSC	0.97	0.05
GAB-OSR	30 Jan 02 10:04	UCSC	1.00	0.06
GAB-OSR	13 Feb 02 10:04	UCSC	0.85	0.02
GAB-OSR	28 Feb 02 10:04	UCSC	1.16	0.02
GAB-OSR	28 Mar 02 10:04	UCSC	0.47	0.03
GAB-OSR	10 Apr 02 10:04	UCSC	0.41	0.02
GAB-OSR	25 Apr 02 10:04	UCSC	0.49	0.02
GAB-OSR	09 May 02 10:04	UCSC	0.59	0.04
GAB-OSR	23 May 02 10:04	UCSC	0.41	0.05
GAB-OSR	06 Jun 02 10:04	UCSC	0.51	0.06
GAB-OSR	19 Jun 02 10:04	UCSC	0.91	0.03
GAB-OSR	17 Jul 02 10:04	UCSC	0.61	0.05
GAB-OSR	31 Jul 02 10:04	UCSC	1.07	0.02
GAB-OSR	14 Aug 02 10:04	UCSC	1.08	0.04
GAB-OSR	27 Aug 02 10:04	UCSC	3.64	0.10
GAB-OSR	10 Sep 02 10:04	UCSC	0.70	0.03
GAB-OSR	25 Sep 02 10:04	UCSC	0.47	0.03
GAB-OSR	08 Oct 02 10:04	UCSC	0.74	0.05
GAB-OSR	22 Oct 02 10:04	UCSC	0.38	0.01
GAB-OSR	05 Nov 02 10:04	UCSC	0.59	0.03
GAB-OSR	19 Nov 02 12:00	UCSC	0.31	0.18
GAB-OSR	03 Dec 02 12:14	UCSC	0.29	0.04
GAB-OSR	17 Dec 02 13:26	UCSC	0.17	0.06
GAB-OSR	14 Jan 03 13:12	UCSC	0.29	0.05
GAB-OSR	28 Jan 03 14:24	UCSC	0.32	0.06
GAB-OSR	11 Feb 03 13:55	UCSC	0.31	0.03
GAB-OSR	25 Feb 03 12:28	UCSC	0.29	0.05
GAB-OSR	11 Mar 03 13:12	UCSC	0.26	0.03
GAB-OSR	25 Mar 03 13:26	UCSC	0.17	0.20
GAB-OSR	08 Apr 03 13:40	UCSC	0.35	0.09
GAB-OSR	22 Apr 03 13:12	UCSC	0.19	0.07
GAB-OSR	06 May 03 12:57	UCSC	0.20	0.04
GAB-OSR	20 May 03 13:40	UCSC	0.28	0.05

GAB-OSR	03 Jun 03 12:00	UCSC					0.20	0.11										
GAB-OSR	17 Jun 03 12:14	UCSC					0.22	0.09										
GAB-OSR	01 Jul 03 12:57	UCSC					0.21	0.06										
GAB-OSR	15 Jul 03 12:57	UCSC					0.29	0.04										
GAB-OSR	29 Jul 03 13:26	UCSC					0.27	0.05										
GAB-OSR	12 Aug 03 10:04	UCSC					0.73	1.16										
GAB-OSR	26 Aug 03 10:04	UCSC					0.41	0.06										
GAB-OSR	26 Aug 03 10:04	UCSC					0.42	0.06										
GAB-OSR	08 Sep 03 10:04	UCSC					0.36	0.03										
GAB-OSR	23 Sep 03 10:04	UCSC					0.30	0.04										
GAB-OSR	07 Oct 03 10:04	UCSC					0.30	0.01										
GAB-OSR	18 Nov 03 10:04	UCSC					0.16	0.04										
GAB-OSR	02 Dec 03 10:04	UCSC					0.08	0.04										
GAB-OSR	16 Dec 03 10:04	UCSC					0.12	0.03										
GAB-OSR	22 Jun 04 11:31	CCoWS	14.47	9.80	0.37	7.56												
min			6.89	7.72	0.37	7.56	0.00	0.08	0.01	104.94	0.36	0.00	0.00					
max			17.59	12.01	0.37	9.61	0.19	3.64	1.16	1590.60	60.00	13039.01	163.74					
mean			13.62	10.01	0.37	8.24	0.06	0.52	0.08	363.81	21.44	515.59	13.22					
median			14.29	9.88	0.37	8.25	0.05	0.45	0.05	369.60	19.40	47.71	4.19					
Total # Samples			62	62	1	63	11	114	105	52	51	0	54	30	0	0	0	0
GAB-CRA	17 Apr 00 15:19	CCoWS								364.32	14.70	123.56	334.78					
GAB-CRA	17 Apr 00 23:02	CCoWS								363.00		70.71						
GAB-CRA	18 Apr 00 14:10	CCoWS										10.96	258.77					
GAB-CRA	03 Jul 00 16:30	CCoWS																
GAB-CRA	12 Jul 00 14:30	CCoWS																
GAB-CRA	11 Oct 00 11:30	CCoWS					0.03	0.21	0.04									
GAB-CRA	11 Oct 00 13:55	CCoWS					0.04	0.25	0.08									
GAB-CRA	25 Oct 00 14:59	CCoWS								381.15	45.00	0.00	0.00					
GAB-CRA	25 Oct 00 20:50	CCoWS								393.69	19.50	2641.16						
GAB-CRA	26 Oct 00 10:37	CCoWS									60.00							
GAB-CRA	26 Oct 00 21:10	CCoWS					0.07	0.61	0.54	258.72	0.72	1923.47						
GAB-CRA	27 Oct 00 07:01	CCoWS					0.06	0.43	0.21			28.84	1.05					
GAB-CRA	27 Oct 00 08:15	CCoWS					0.04	0.41	0.17			1830.43	395.87					
GAB-CRA	27 Oct 00 13:30	CCoWS								405.90	23.10	20.19						

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GAB-CRA	28 Oct 00 12:15	CCoWS				398.64	40.50	15.21	
GAB-CRA	28 Oct 00 19:12	CCoWS				413.82	13.60	15.00	
GAB-CRA	29 Oct 00 00:10	CCoWS				248.16	1.20	1013.85	
GAB-CRA	29 Oct 00 01:29	CCoWS				310.86	2.40	342.75	
GAB-CRA	29 Oct 00 07:40	CCoWS	0.05	0.61	0.22	394.02	17.22	171.53	
GAB-CRA	29 Oct 00 08:05	CCoWS							7117.20
GAB-CRA	29 Oct 00 10:25	CCoWS	0.17	0.83	1.12	182.16	0.49	2915.74	107.33
GAB-CRA	29 Oct 00 10:55	CCoWS							
GAB-CRA	29 Oct 00 21:00	CCoWS	0.30	0.69	0.09	413.82	15.80	51.03	56546.66
GAB-CRA	30 Oct 00 20:54	CCoWS	0.43	0.68	0.10	388.74	20.20	36.18	151.60
GAB-CRA	31 Oct 00 21:31	CCoWS	0.26	0.60	0.10	419.76	43.40	17.80	0.00
GAB-CRA	04 Nov 00 12:39	CCoWS				419.10	5.20	16032.93	
GAB-CRA	07 Jan 01 15:28	CCoWS		0.23					
GAB-CRA	07 Jan 01 15:58	CCoWS				387.42	19.00	14.70	
GAB-CRA	08 Jan 01 03:26	CCoWS		0.23		386.76	20.80	12.28	
GAB-CRA	08 Jan 01 04:36	CCoWS							
GAB-CRA	08 Jan 01 08:03	CCoWS	0.09	0.45	0.23	174.90	19.60	8.99	5.35
GAB-CRA	08 Jan 01 11:40	CCoWS		1.36	1.20	446.16	9.60	83.33	4.56
GAB-CRA	08 Jan 01 11:55	CCoWS							
GAB-CRA	08 Jan 01 11:59	CCoWS							
GAB-CRA	08 Jan 01 12:54	CCoWS		0.90	0.47	363.00	5.80	116.57	1.65
GAB-CRA	08 Jan 01 18:46	CCoWS		0.23	0.23	370.92	22.70	11.27	
GAB-CRA	09 Jan 01 16:17	CCoWS		0.23		378.84	28.80	20.29	7.80
GAB-CRA	10 Jan 01 11:52	CCoWS		0.45	0.05	362.34	19.00	20.66	4.69
GAB-CRA	10 Jan 01 12:11	CCoWS							
GAB-CRA	10 Jan 01 18:40	CCoWS	0.07	0.90	0.47	275.22	1.18	566.69	1.04
GAB-CRA	10 Jan 01 22:25	CCoWS	0.15	1.13	0.32	316.14	5.20	804.75	91.56
GAB-CRA	11 Jan 01 13:35	CCoWS	0.07	1.58	1.08	477.84	21.20	10.35	9.08
GAB-CRA	11 Jan 01 18:46	CCoWS		0.45	0.15	308.88	8.20	114.59	39.98
GAB-CRA	12 Jan 01 18:43	CCoWS		0.45	0.03	399.96	29.00	21.96	60.56
GAB-CRA	15 Jan 01 15:49	CCoWS	0.13			417.78	29.80	8.78	0.78
GAB-CRA	23 Jan 01 15:47	CCoWS		0.23		382.80	23.10	24.57	5.31
GAB-CRA	24 Jan 01 05:58	CCoWS	0.00	1.36	0.78	405.90	9.40	89.86	5.81
GAB-CRA	24 Jan 01 12:36	CCoWS		0.68	0.43	318.78	6.60	92.05	52.08
GAB-CRA	25 Jan 01 19:59	CCoWS	0.05	1.81	1.75	227.70	0.51	3406.97	415.62
GAB-CRA	25 Jan 01 20:07	CCoWS							

GAB-CRA	25 Jan 01 22:11	CCoWS				0.23	0.90	0.22	195.36	0.79	1454.41	789.44
GAB-CRA	26 Jan 01 01:41	CCoWS				0.27	0.68	0.15	293.70	3.80	291.14	26.17
GAB-CRA	26 Jan 01 01:52	CCoWS										
GAB-CRA	26 Jan 01 10:36	CCoWS				0.07	0.68		390.72	26.70	41.15	9.47
GAB-CRA	09 Feb 01 20:55	CCoWS				0.06	0.90	0.20	327.36	6.40	103.64	29.56
GAB-CRA	10 Feb 01 16:32	CCoWS					0.90	0.51	362.34	8.90	96.60	38.44
GAB-CRA	11 Feb 01 07:14	CCoWS				0.13	0.90	0.62	198.66	0.94	1830.43	131.45
GAB-CRA	11 Feb 01 08:54	CCoWS							231.00	1.57	427.55	31.83
GAB-CRA	12 Feb 01 08:18	CCoWS							293.04	2.23	219.38	77.34
GAB-CRA	18 Feb 01 16:00	CCoWS					0.45		409.86	23.20	5.58	16.00
GAB-CRA	19 Feb 01 06:53	CCoWS				0.07	0.90	0.74	174.24	0.62	1913.94	919.47
GAB-CRA	19 Feb 01 07:32	CCoWS										
GAB-CRA	19 Feb 01 14:27	CCoWS					0.68	0.35	328.02	11.20	266.61	
GAB-CRA	24 Apr 02 10:40	CCoWS				0.03	0.50	0.25				
GAB-CRA	04 Oct 00 10:00	UCSC	16.92	9.55	8.34							
GAB-CRA	25 Oct 00 10:00	UCSC	14.55	9.48	7.74							
GAB-CRA	07 Nov 00 10:00	UCSC	13.71	9.92	7.75							
GAB-CRA	22 Nov 00 10:00	UCSC	10.56	11.21	7.71							
GAB-CRA	05 Dec 00 10:00	UCSC	11.20	10.85	7.75							
GAB-CRA	19 Dec 00 10:00	UCSC	10.33	10.86	8.14							
GAB-CRA	04 Jan 01 10:00	UCSC	10.07	11.25	8.16							
GAB-CRA	16 Jan 01 10:00	UCSC	8.24	11.89	7.70							
GAB-CRA	30 Jan 01 10:00	UCSC	9.99	11.21	8.11							
GAB-CRA	13 Feb 01 10:00	UCSC	10.90	10.52	7.81							
GAB-CRA	27 Feb 01 10:00	UCSC	15.07	9.54	7.97							
GAB-CRA	13 Mar 01 10:00	UCSC	15.48	9.53	7.98							
GAB-CRA	24 Mar 01 10:00	UCSC										
GAB-CRA	10 Apr 01 10:00	UCSC	12.86	10.15	8.05							
GAB-CRA	08 May 01 10:00	UCSC	18.41	9.21	8.14							
GAB-CRA	22 May 01 10:00	UCSC	17.70	9.55	8.15							
GAB-CRA	05 Jun 01 10:00	UCSC	17.14	9.95	8.09							
GAB-CRA	19 Jun 01 10:00	UCSC	17.50	10.20	7.93							
GAB-CRA	02 Jul 01 10:00	UCSC	21.10	9.27	8.23							
GAB-CRA	18 Jul 01 10:00	UCSC	15.55	10.85	8.43							
GAB-CRA	01 Aug 01 10:00	UCSC	15.07	9.52	8.57							
GAB-CRA	20 Aug 01 10:00	UCSC	14.48	9.80	8.55							

GAB-CRA	04 Sep 01 10:00	UCSC	16.12	10.00	8.32
GAB-CRA	05 Oct 01 10:00	UCSC	17.30	10.10	8.36
GAB-CRA	23 Oct 01 10:00	UCSC	14.73	10.25	8.15
GAB-CRA	21 Nov 01 10:00	UCSC	14.66	9.02	8.63
GAB-CRA	04 Dec 01 10:00	UCSC	5.99	10.81	8.54
GAB-CRA	18 Dec 01 10:00	UCSC	10.97	10.85	8.61
GAB-CRA	03 Jan 02 10:00	UCSC	14.03	10.40	8.29
GAB-CRA	16 Jan 02 10:00	UCSC	6.75	13.28	8.65
GAB-CRA	30 Jan 02 10:00	UCSC	6.85	12.86	8.88
GAB-CRA	13 Feb 02 10:00	UCSC	11.86	12.95	9.18
GAB-CRA	28 Feb 02 10:00	UCSC	16.11	11.95	8.36
GAB-CRA	28 Mar 02 10:00	UCSC			
GAB-CRA	10 Apr 02 10:00	UCSC	17.35	9.95	8.25
GAB-CRA	25 Apr 02 10:00	UCSC	14.05	8.89	8.32
GAB-CRA	09 May 02 10:00	UCSC	16.01	9.31	8.43
GAB-CRA	23 May 02 10:00	UCSC	16.47	9.98	8.61
GAB-CRA	06 Jun 02 10:00	UCSC	16.16	9.42	8.39
GAB-CRA	19 Jun 02 10:00	UCSC			8.34
GAB-CRA	17 Jul 02 10:00	UCSC	16.50	11.36	8.37
GAB-CRA	31 Jul 02 10:00	UCSC	17.80	9.70	8.00
GAB-CRA	14 Aug 02 10:00	UCSC	17.20	9.55	8.17
GAB-CRA	27 Aug 02 10:00	UCSC	17.60	10.26	8.14
GAB-CRA	10 Sep 02 10:00	UCSC	17.80	10.37	7.94
GAB-CRA	25 Sep 02 10:00	UCSC	15.49	9.34	8.22
GAB-CRA	08 Oct 02 10:00	UCSC	15.69	8.71	8.27
GAB-CRA	22 Oct 02 10:00	UCSC	12.80	9.17	8.51
GAB-CRA	05 Nov 02 10:00	UCSC	11.17	9.92	8.56
GAB-CRA	19 Nov 02 10:00	UCSC	12.51	8.55	8.21
GAB-CRA	03 Dec 02 10:00	UCSC	10.21	9.55	8.40
GAB-CRA	17 Dec 02 10:00	UCSC	11.80	9.22	8.31
GAB-CRA	29 Dec 02 10:00	UCSC			
GAB-CRA	14 Jan 03 13:05	UCSC	13.43	10.81	8.21
GAB-CRA	28 Jan 03 14:25	UCSC	15.43	10.98	8.44
GAB-CRA	11 Feb 03 13:55	UCSC	11.74	10.18	9.69
GAB-CRA	20 May 03 13:25	UCSC	16.71	7.62	8.24
GAB-CRA	03 Jun 03 11:50	UCSC	14.46	8.14	8.43

GAB-CRA	17 Jun 03 12:00	UCSC	14.60	8.18	8.61		
GAB-CRA	01 Jul 03 13:10	UCSC	16.85	8.37	8.26		
GAB-CRA	15 Jul 03 12:50	UCSC	15.55	9.32	8.39		
GAB-CRA	29 Jul 03 13:15	UCSC	16.59	9.03	8.39		
GAB-CRA	12 Aug 03 00:10	UCSC	16.73	8.44	8.11		
GAB-CRA	26 Aug 03 13:30	UCSC	18.61	6.41	8.34		
GAB-CRA	04 Oct 00 10:00	UCSC				0.07	0.32
GAB-CRA	25 Oct 00 10:00	UCSC				1.53	0.47
GAB-CRA	07 Nov 00 10:00	UCSC				0.58	0.25
GAB-CRA	22 Nov 00 10:00	UCSC				0.28	0.16
GAB-CRA	06 Dec 00 10:00	UCSC				0.11	
GAB-CRA	19 Dec 00 10:00	UCSC				0.25	0.10
GAB-CRA	04 Jan 01 10:00	UCSC				0.27	0.11
GAB-CRA	16 Jan 01 10:00	UCSC				0.48	0.13
GAB-CRA	30 Jan 01 10:00	UCSC				0.76	0.10
GAB-CRA	13 Feb 01 10:00	UCSC				0.78	0.02
GAB-CRA	27 Feb 01 10:00	UCSC				0.59	0.08
GAB-CRA	13 Mar 01 10:00	UCSC				0.63	0.13
GAB-CRA	24 Mar 01 10:00	UCSC				0.57	0.12
GAB-CRA	10 Apr 01 10:00	UCSC				0.38	0.01
GAB-CRA	24 Apr 01 10:00	UCSC				0.11	0.41
GAB-CRA	08 May 01 10:00	UCSC				0.23	0.78
GAB-CRA	22 May 01 10:00	UCSC				0.16	0.08
GAB-CRA	05 Jun 01 10:00	UCSC				0.99	0.29
GAB-CRA	19 Jun 01 10:00	UCSC				2.67	0.17
GAB-CRA	02 Jul 01 10:00	UCSC				2.35	0.59
GAB-CRA	18 Jul 01 10:00	UCSC				0.59	0.23
GAB-CRA	01 Aug 01 10:00	UCSC				0.26	0.19
GAB-CRA	20 Aug 01 10:00	UCSC				0.30	0.25
GAB-CRA	04 Sep 01 10:00	UCSC				3.85	0.39
GAB-CRA	20 Sep 01 10:00	UCSC				0.32	0.24
GAB-CRA	05 Oct 01 10:00	UCSC				0.33	0.02
GAB-CRA	23 Oct 01 10:00	UCSC				1.09	0.03
GAB-CRA	07 Nov 01 10:00	UCSC					
GAB-CRA	21 Nov 01 10:00	UCSC				1.89	0.22
GAB-CRA	04 Dec 01 10:00	UCSC				1.66	0.14

GAB-CRA	18 Dec 01 10:00	UCSC	0.97	0.07
GAB-CRA	03 Jan 02 10:00	UCSC	1.66	0.13
GAB-CRA	16 Jan 02 10:00	UCSC	0.79	0.03
GAB-CRA	30 Jan 02 10:00	UCSC	1.12	0.11
GAB-CRA	13 Feb 02 10:00	UCSC	0.36	0.05
GAB-CRA	28 Feb 02 10:00	UCSC	0.28	0.03
GAB-CRA	14 Mar 02 10:00	UCSC		
GAB-CRA	28 Mar 02 10:00	UCSC	0.16	0.05
GAB-CRA	10 Apr 02 10:00	UCSC	0.15	0.03
GAB-CRA	25 Apr 02 10:00	UCSC	0.50	0.09
GAB-CRA	09 May 02 10:00	UCSC	0.92	0.17
GAB-CRA	23 May 02 10:00	UCSC	0.06	0.13
GAB-CRA	06 Jun 02 10:00	UCSC	2.26	0.20
GAB-CRA	19 Jun 02 10:00	UCSC	0.84	0.62
GAB-CRA	17 Jul 02 10:00	UCSC	0.12	0.78
GAB-CRA	31 Jul 02 10:00	UCSC	0.46	0.26
GAB-CRA	14 Aug 02 10:00	UCSC	0.15	0.31
GAB-CRA	27 Aug 02 10:00	UCSC	1.20	0.02
GAB-CRA	10 Sep 02 10:00	UCSC	2.36	0.12
GAB-CRA	25 Sep 02 10:00	UCSC	0.08	0.19
GAB-CRA	08 Oct 02 10:00	UCSC	2.45	0.23
GAB-CRA	22 Oct 02 10:00	UCSC	0.06	0.08
GAB-CRA	05 Nov 02 10:00	UCSC	0.03	0.24
GAB-CRA	19 Nov 02 12:03	UCSC	6.05	0.46
GAB-CRA	03 Dec 02 12:22	UCSC	0.11	0.20
GAB-CRA	17 Dec 02 13:35	UCSC	1.00	0.26
GAB-CRA	14 Jan 03 13:05	UCSC	0.76	0.12
GAB-CRA	28 Jan 03 14:25	UCSC	0.62	0.08
GAB-CRA	11 Feb 03 13:55	UCSC	0.66	0.04
GAB-CRA	11 Feb 03 13:55	UCSC	0.65	0.03
GAB-CRA	25 Feb 03 12:35	UCSC	0.58	0.07
GAB-CRA	11 Mar 03 13:20	UCSC	0.71	0.08
GAB-CRA	25 Mar 03 13:35	UCSC	0.65	0.27
GAB-CRA	08 Apr 03 13:30	UCSC	0.37	0.19
GAB-CRA	22 Apr 03 13:00	UCSC	0.18	1.28
GAB-CRA	06 May 03 12:50	UCSC	0.08	0.15

GAB-CRA	20 May 03 13:25	UCSC						0.08	0.33								
GAB-CRA	03 Jun 03 11:50	UCSC						4.88	0.30								
GAB-CRA	17 Jun 03 12:00	UCSC						0.04	0.53								
GAB-CRA	01 Jul 03 13:10	UCSC						0.07	0.41								
GAB-CRA	15 Jul 03 12:50	UCSC						0.09	0.43								
GAB-CRA	29 Jul 03 13:15	UCSC						0.21	0.40								
GAB-CRA	12 Aug 03 10:00	UCSC						26.70	0.37								
GAB-CRA	26 Aug 03 10:00	UCSC						0.94	1.03								
GAB-CRA	08 Sep 03 10:00	UCSC						0.12	0.99								
GAB-CRA	23 Sep 03 10:00	UCSC						0.02	0.92								
GAB-CRA	07 Oct 03 10:00	UCSC						0.25	0.49								
GAB-CRA	21 Oct 03 10:00	UCSC						0.02	0.66								
GAB-CRA	18 Nov 03 10:00	UCSC						4.66	1.39								
GAB-CRA	02 Dec 03 10:00	UCSC						1.50	0.31								
GAB-CRA	16 Dec 03 10:00	UCSC						0.42	0.26								
GAB-CRA	May-00	City of Salinas	15.00	9.20		8.70	0 (ND)	0.20	0.05	398.00	2.00	0.00		1100.00	500.00		
GAB-CRA	Dec-00	City of Salinas	11.30	10.00		7.90	0 (ND)	0.20	0.19	407.00	2.00	0.00		500.00	80.00		
GAB-CRA	Apr-01	City of Salinas	12.10	9.90		7.90	0 (ND)	2.50	0.00	415.00	1.00	0.00		5000.00	20.00		
GAB-CRA	Nov-01	City of Salinas	12.40	10.30		8.40	0 (ND)	0.20	0.27	450.00	5.00	0.00		5000.00	1700.00		
GAB-CRA	Jun-02	City of Salinas	17.10	6.50		8.20	0 (ND)	0.00	0.55	464.00	675.00	6.00		2200.00	800.00		
GAB-CRA	Jan-03	City of Salinas	11.00	10.80		7.90	0 (ND)	0.20	0.15	440.00	3.00	0.00		1700.00	140.00		
GAB-CRA	Jun-03	City of Salinas	13.80	9.60		8.10	0.07	0.40	0.89		32.00	38.00		16000.00	700.00		
GAB-CRA	22 Jun 04 10:56	CCoWS	14.97	8.98	0.39	7.15											
min			5.99	6.41	0.39	7.15	0.00	0.00	0.00	174.24	0.49	1.00	0.00	0.00	500.00	20.00	
max			21.10	13.28	0.39	9.69	0.43	26.70	1.75	477.84	60.00	675.00	16032.93	56546.66	16000.00	1700.00	
mean			14.22	9.89	0.39	8.26	0.09	1.00	0.32	351.68	15.31	102.86	716.08	1933.95	4500.00	562.86	
median			14.85	9.91	0.39	8.26	0.07	0.57	0.22	381.15	13.60	3.00	51.03	31.83	2200.00	500.00	
Total # Samples			68	68	1	69	31	123	116	51	45	7	55	35	7	7	0 0
GAB-HER	14 Feb 01 15:20	CCoWS															
GAB-HER	06 Mar 00 10:15	CCoWS															
GAB-HER	13 Apr 00 17:22	CCoWS								375.54	25.50		137.86	213.25			
GAB-HER	14 Apr 00 09:00	CCoWS								361.35	22.50		252.49	210.84			
GAB-HER	14 Apr 00 09:14	CCoWS									42.20						
GAB-HER	14 Apr 00 10:45	CCoWS															

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GAB-HER	16 Apr 00 23:07	CCoWS				372.24	42.20	36.41	
GAB-HER	17 Apr 00 02:47	CCoWS				358.38	27.80	81.55	
GAB-HER	17 Apr 00 14:25	CCoWS				362.34	4.50	456.28	132.90
GAB-HER	17 Apr 00 22:49	CCoWS				367.62		166.43	336.39
GAB-HER	18 Apr 00 14:19	CCoWS						78.41	245.38
GAB-HER	03 Jul 00 16:00	CCoWS							
GAB-HER	29 Oct 00 01:48	CCoWS				262.68	1.16	3607.86	24.83
GAB-HER	29 Oct 00 11:15	CCoWS	0.13	1.41	0.62	279.18	0.21	8921.21	2.07
GAB-HER	04 Nov 00 12:55	CCoWS				415.80	60.00	8.97	
GAB-HER	07 Jan 01 03:28	CCoWS							
GAB-HER	10 Jan 01 11:35	CCoWS	0.18	9.49	0.06	244.20	0.66	1904.26	
GAB-HER	10 Jan 01 11:42	CCoWS							
GAB-HER	10 Jan 01 17:37	CCoWS	0.15	11.07	0.25	270.60	0.91	789.86	
GAB-HER	10 Jan 01 19:06	CCoWS	0.10	2.03	0.64	265.32	0.61	1864.83	
GAB-HER	10 Jan 01 21:45	CCoWS		2.48	0.39	254.10	1.08	623.77	
GAB-HER	11 Jan 01 18:10	CCoWS	0.10	2.26	0.43	351.12	0.67	1230.43	0.00
GAB-HER	11 Jan 01 18:13	CCoWS							
GAB-HER	24 Jan 01 05:05	CCoWS							
GAB-HER	24 Jan 01 06:16	CCoWS							
GAB-HER	24 Jan 01 11:50	CCoWS							
GAB-HER	25 Jan 01 20:17	CCoWS		2.26	1.38	231.66	0.21	10067.24	0.00
GAB-HER	25 Jan 01 20:23	CCoWS							
GAB-HER	25 Jan 01 22:37	CCoWS	0.24	1.13	0.26	182.82	0.60	2352.53	
GAB-HER	25 Jan 01 22:56	CCoWS							0.00
GAB-HER	26 Jan 01 01:20	CCoWS	0.25	2.48	0.23	225.06	1.41	814.65	0.00
GAB-HER	26 Jan 01 10:33	CCoWS							
GAB-HER	09 Feb 01 20:11	CCoWS	0.10	1.13	0.66	283.80	2.10	631.90	
GAB-HER	10 Feb 01 15:51	CCoWS	0.06	8.58	1.31	346.50	1.01	778.29	0.00
GAB-HER	10 Feb 01 15:58	CCoWS							
GAB-HER	11 Feb 01 06:07	CCoWS	0.06	4.07	0.48	238.26	0.37	5156.03	0.00
GAB-HER	11 Feb 01 07:30	CCoWS				213.18	0.49	3702.22	
GAB-HER	11 Feb 01 08:40	CCoWS		1.58	0.57	194.70	0.47	1600.62	
GAB-HER	12 Feb 01 06:28	CCoWS				188.76	1.80	596.36	
GAB-HER	12 Feb 01 08:30	CCoWS				226.38	0.72	1544.43	
GAB-HER	19 Feb 01 06:40	CCoWS	0.14	2.26	0.82	199.32	0.34	1975.51	0.00
GAB-HER	19 Feb 01 07:36	CCoWS				180.18	0.39	2294.86	

GAB-HER	19 Feb 01 14:19	CCoWS			0.05	5.65	0.80				2.47					
GAB-HER	24 Apr 02 11:15	CCoWS			0.12	1.81	0.70									
GAB-HER	11 Jan 01 14:00	UCSC				10.02	0.21									
GAB-HER	05 Mar 01 10:00	UCSC				2.70	0.39									
GAB-HER	21 Apr 01 10:00	UCSC				3.61	0.41									
GAB-HER	03 Jan 02 10:00	UCSC				3.65	0.46									
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min					0.05	1.13	0.06	180.18	0.21		2.47	0.00				
max					0.25	11.07	1.38	415.80	60.00		10067.24	336.39				
mean					0.13	3.98	0.55	278.89	9.23		1845.63	83.26				
median					0.12	2.48	0.47	264.00	0.96		802.25	1.04				
Total # Samples			0	0	0	0	13	20	20	26	26	0	28	14	0	0
<hr/>																
GAB-NAT	14 Apr 00 08:38	CCoWS						309.54	10.00		224.86					
GAB-NAT	14 Apr 00 08:39	CCoWS						308.22	12.80		177.16	0.63				
GAB-NAT	14 Apr 00 10:57	CCoWS														
GAB-NAT	16 Apr 00 23:15	CCoWS														
GAB-NAT	17 Apr 00 02:35	CCoWS						267.96	9.60		132.52					
GAB-NAT	17 Apr 00 14:04	CCoWS						370.26	4.40		596.44	206.38				
GAB-NAT	17 Apr 00 22:31	CCoWS						363.66			221.26	73.57				
GAB-NAT	18 Apr 00 14:23	CCoWS									45.58					
GAB-NAT	25 Jan 01 20:37	CCoWS			0.10	3.61	0.86	97.68	0.24		6714.61	45.86				
GAB-NAT	26 Jan 01 10:29	CCoWS														
GAB-NAT	09 Feb 01 20:05	CCoWS														
GAB-NAT	10 Feb 01 15:36	CCoWS			0.15	6.10	0.59	139.92	6.80		92.75	0.72				
GAB-NAT	11 Feb 01 05:19	CCoWS				4.74	0.83	130.02	1.28		5681.63					
GAB-NAT	11 Feb 01 05:37	CCoWS										150.44				
GAB-NAT	11 Feb 01 07:39	CCoWS						180.18	0.24		5884.20	99.42				
GAB-NAT	11 Feb 01 08:28	CCoWS			0.06	3.84	0.71	188.10	0.32		4210.96	482.41				
GAB-NAT	11 Feb 01 12:00	CCoWS						216.48	0.74		1102.46	18.47				
GAB-NAT	12 Feb 01 06:35	CCoWS						79.86	1.32		565.80					
GAB-NAT	12 Feb 01 08:38	CCoWS						109.56	0.63		979.33	29.65				
GAB-NAT	12 Feb 01 08:55	CCoWS														
GAB-NAT	13 Feb 01 16:50	CCoWS														
GAB-NAT	19 Feb 01 06:29	CCoWS			0.14	2.94	0.84	98.34	0.25		6423.76	703.04				
GAB-NAT	19 Feb 01 06:32	CCoWS														

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GAB-NAT	19 Feb 01 08:07	CCoWS							156.42	0.25	6812.79	162.27						
GAB-NAT	19 Feb 01 14:13	CCoWS																
min						0.06	2.94	0.59	79.86	0.24	45.58	0.63						
max						0.15	6.10	0.86	370.26	12.80	6812.79	703.04						
mean						0.11	4.25	0.77	201.08	3.49	2491.63	164.41						
median						0.12	3.84	0.83	180.18	1.01	787.88	86.50						
Total # Samples			0	0	0	0	4	5	5	15	14	0	16	12	0	0	0	0
GAB-BOR	01 Feb 99 11:45	CCAMP	12.20	10.93				0.07	0.63	0.10			299.00	1100.00	700.00			
GAB-BOR	01 Mar 99 12:10	CCAMP	17.70	9.16		8.29		0.02	0.85	0.08			100.00	1600.00	1600.00			
GAB-BOR	05 Apr 99 12:00	CCAMP	11.70	10.55		8.13		0.00	0.94	0.08			92.00	5000.00	1600.00			
GAB-BOR	10 May 99 11:45	CCAMP	22.60	7.75		8.07		0.24	10.79	0.66			2010.00	5000.00	2200.00			
GAB-BOR	07 Jul 99 04:40	CCAMP	13.20	14.38														
GAB-BOR	07 Jul 99 09:55	CCAMP	20.20	11.25		8.08		0.12	10.56	0.56			1160.00	9000.00	900.00			
GAB-BOR	26 Jul 99 05:40	CCAMP																
GAB-BOR	26 Jul 99 10:25	CCAMP																
GAB-BOR	27 Jul 99 13:50	CCAMP																
GAB-BOR	31 Aug 99 10:30	CCAMP																
GAB-BOR	28 Sep 99 10:55	CCAMP																
GAB-BOR	02 Nov 99 09:45	CCAMP																
GAB-BOR	09 Nov 99 10:20	CCAMP																
GAB-BOR	30 Nov 99 12:00	CCAMP																
GAB-BOR	26 Jan 00 12:20	CCAMP																
GAB-BOR	10 Feb 00 14:00	CCAMP	14.65	9.15	1.70	7.98	0.41	2.40	0.64	260.00			1960.00	160000.00	17000.00			
GAB-BOR	08 Mar 00 17:15	CCoWS									10.80		2.77	35.97				
GAB-BOR	13 Apr 00 00:00	CCoWS																
GAB-BOR	14 Apr 00 00:00	CCoWS																
GAB-BOR	15 Apr 00 00:00	CCoWS																
GAB-BOR	16 Apr 00 00:00	CCoWS																
GAB-BOR	17 Apr 00 02:30	CCoWS																
GAB-BOR	17 Apr 00 13:08	CCoWS								424.38	1.80		1006.78	61.49				
GAB-BOR	17 Apr 00 22:22	CCoWS								403.26			417.01					
GAB-BOR	18 Apr 00 14:29	CCoWS																
GAB-BOR	12 Feb 01 11:10	CCoWS								133.98	0.29		5667.02					
GAB-BOR	12 Feb 01 11:13	CCoWS								131.34	0.24		4399.55					

GAB-BOR	12 Feb 01 11:14	CCoWS																
GAB-BOR	12 Feb 01 11:16	CCoWS																
GAB-BOR	12 Feb 01 11:19	CCoWS							132.00	0.35		3303.74						
GAB-BOR	12 Feb 01 11:22	CCoWS																
GAB-BOR	12 Feb 01 11:24	CCoWS																
GAB-BOR	12 Feb 01 11:25	CCoWS																
GAB-BOR	12 Feb 01 11:26	CCoWS																
GAB-BOR	12 Feb 01 11:27	CCoWS				0.18	5.42	1.01										
GAB-BOR	12 Feb 01 11:35	CCoWS							138.60	0.38		2951.01	13.91					
GAB-BOR	12 Feb 01 11:41	CCoWS																
GAB-BOR	12 Feb 01 11:45	CCoWS															6.70	
GAB-BOR	12 Feb 01 11:53	CCoWS							135.30	0.45		2710.39						
GAB-BOR	19 Feb 01 07:46	CCoWS							108.90	0.24		5960.04	0.00					
GAB-BOR	19 Feb 01 07:54	CCoWS																
GAB-BOR	Feb-01	CCoWS																
GAB-BOR	May-00	City of Salinas	18.30	6.50	7.40	0.05	14.00	0.26	532.00		1.00	0 (ND)		1600.00	500.00			
GAB-BOR	Dec-00	City of Salinas	14.30	2.10	6.60	0 (ND)	27.70	0.33	461.00		1.00	0 (ND)		3000.00	20.00			
GAB-BOR	Apr-01	City of Salinas	17.40	5.20	7.30	0.22	17.10	5.20	546.00		2100.00	1080.00		16000.00	800.00			
GAB-BOR	Nov-01	City of Salinas	16.20	2.80	7.90	0.45	16.00	0.58	551.00		408.00	483.00		9000.00	8000.00			
GAB-BOR	Jun-02	City of Salinas	26.20	7.50	7.80	0.33	16.20	2.31	670.00		1075.00	2060.00		16000.00	800.00			
GAB-BOR	Jan-03	City of Salinas	NO FLOW															
GAB-BOR	Jun-03	City of Salinas	15.50	7.00	8.10	0.14	16.50	1.10	535.00		200.00	2390.00		16000.00	2400.00			
min			11.70	2.10	1.70	6.60	0.00	0.63	0.08	165.00	0.24	1.00	0.00	0.00	1100.00	20.00		
max			26.20	14.38	1.70	8.29	0.45	27.70	5.20	670.00	10.80	2100.00	5960.04	61.49	160000.00	17000.00		
mean			17.30	7.65	1.70	7.74	0.21	12.51	1.16	399.40	1.82	630.83	2214.90	23.61	24060.00	3422.00		
median			16.20	7.75	1.70	7.98	0.16	10.79	0.58	461.00	0.37	304.00	1960.00	13.91	7000.00	1250.00		
Total # Samples			13	13	1	11	13	13	13	15	8	6	21	5	12	12	0	0
GAB-PRO	May-00	City of Salinas	21.00	8.00	8.20	0 (ND)	23.90	0.22	633.00		7.00	11.00		1600.00	1600.00			
min			21.00	8.00	8.20	0.00	23.90	0.22	633.00		7.00	11.00		1600.00	1600.00			
max			21.00	8.00	8.20	0.00	23.90	0.22	633.00		7.00	11.00		1600.00	1600.00			
mean			21.00	8.00	8.20		23.90	0.22	633.00		7.00	11.00		1600.00	1600.00			
median			21.00	8.00	8.20		23.90	0.22	633.00		7.00	11.00		1600.00	1600.00			
Total # Samples			1	1	0	1	1	1	1	0	1	1	0	1	1	0	0	

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GAB-LEX	May-00	City of Salinas	19.50	10.50	7.30	0 (ND)	8.60	0.08	114.00	1.00	0 (ND)	1600.00	500.00				
GAB-LEX	Dec-00	City of Salinas	17.10	7.70	7.40	0 (ND)	29.30	0.24	145.00	0.00	5.00	500.00	20.00				
GAB-LEX	Apr-01	City of Salinas	16.40	5.40	7.20	0.06	29.50	0.06	237.00	1.00	0 (ND)	3000.00	20.00				
GAB-LEX	Nov-01	City of Salinas	18.40	9.40	8.20	0.12	22.50	0.10	182.00	16.00	41.00	16000.00	340.00				
GAB-LEX	Jun-02	City of Salinas	20.80	7.90	7.70	0.13	21.80	0.09	158.00	1084.00	0 (ND)	9000.00	20.00				
GAB-LEX	Jan-03	City of Salinas	18.00	8.80	6.00	0.40	37.10	0.14	133.00	1.00	18.00	700.00	20.00				
GAB-LEX	Jun-03	City of Salinas	19.10	10.40	8.10	0.06	21.40	0.09	9.00	1.00	0 (ND)	16000.00	80.00				
min			16.40	5.40	6.00	0.00	8.60	0.06	9.00	0.00	0.00	500.00	20.00				
max			20.80	10.50	8.20	0.40	37.10	0.24	237.00	1084.00	41.00	16000.00	500.00				
mean			18.47	8.59	7.41	0.11	24.31	0.11	139.71	157.71	21.33	6685.71	142.86				
median			18.40	8.80	7.40	0.06	22.50	0.09	145.00	1.00	18.00	3000.00	20.00				
Total # Samples			7	7	0	7	7	7	7	0	7	7	0	7	7	0	0
GAB-CON	May-00	City of Salinas	21.50	9.40	7.30	0 (ND)	27.90	0.07	191.00	0.00	0 (ND)	188.00	188.00				
GAB-CON	Dec-00	City of Salinas	15.10	8.60	7.56	0 (ND)	29.90	0.25	178.00	0.00	0 (ND)	3500.00	80.00				
GAB-CON	Apr-01	City of Salinas	16.50	3.80	7.60	0 (ND)	28.40	0.07	222.00	0.00	0 (ND)	2200.00	20.00				
GAB-CON	Nov-01	City of Salinas	18.00	9.50	8.20	0.08	27.50	0.14	204.00	6.00	16.00	3000.00	1300.00				
GAB-CON	Jun-02	City of Salinas	22.80	7.20	8.00	0.07	25.90	0.06	237.00	1200.00	0 (ND)	16000.00	20.00				
GAB-CON	Jan-03	City of Salinas	17.50	9.40	6.70	0.18	31.00	0.12	159.00	2.00	113.00	1300.00	130.00				
GAB-CON	Jun-03	City of Salinas	17.80	7.40	9.30	0 (ND)	28.80	0.12	105.00	1.00	22.00	16000.00	210.00				
min			15.10	3.80	6.70	0.00	25.90	0.06	105.00	0.00	0.00	188.00	20.00				
max			22.80	9.50	9.30	0.18	31.00	0.25	237.00	1200.00	113.00	16000.00	1300.00				
mean			18.46	7.90	7.81	0.05	28.49	0.12	185.14	172.71	50.33	6026.86	278.29				
median			17.80	8.60	7.60	0.00	28.40	0.12	191.00	1.00	22.00	3000.00	130.00				
Total # Samples			7	7	0	7	7	7	0	0	7	7	0	7	7	0	0
GAB-VET	17 Apr 00 01:18	CCoWS							710.82	58.00	10.19						
GAB-VET	17 Apr 00 13:35	CCoWS							569.58	4.10	407.75	123.34					
GAB-VET	17 Apr 00 21:39	CCoWS							638.88			92.12					
GAB-VET	17 Apr 00 21:57	CCoWS							641.52		75.11						
GAB-VET	18 Apr 00 14:35	CCoWS									21.44						
GAB-VET	11 Jan 01 12:10	CCoWS			0.07	8.81	0.00	277.20	6.60	66.52	0.00						
GAB-VET	11 Jan 01 12:38	CCoWS															

GAB-VET	11 Jan 01 17:35	CCoWS					9.94	0.05	319.44	27.20		16.65			
GAB-VET	11 Jan 01 17:48	CCoWS													
GAB-VET	12 Jan 01 17:26	CCoWS				0.08	0.68		656.70	26.60		2.43			
GAB-VET	15 Jan 01 14:21	CCoWS				0.08	20.56					0.00			
GAB-VET	23 Jan 01 16:23	CCoWS				0.49	25.07		670.56	24.40		38.76			
GAB-VET	24 Jan 01 06:32	CCoWS					18.75		484.44	28.60		40.85			
GAB-VET	24 Jan 01 06:46	CCoWS													
GAB-VET	25 Jan 01 23:25	CCoWS				0.10	2.03	0.29	125.40	8.60		147.21	0.00		
GAB-VET	25 Jan 01 23:35	CCoWS													
GAB-VET	26 Jan 01 10:09	CCoWS					10.39	0.05	368.94	25.00		7.78			
GAB-VET	09 Feb 01 19:37	CCoWS				0.12	4.29	0.17	186.12	26.20		52.05			
GAB-VET	10 Feb 01 17:01	CCoWS				0.07	9.71		358.38	25.90		5.02			
GAB-VET	11 Feb 01 07:57	CCoWS				0.12	1.81	0.24	112.20	8.70		94.34	6.45		
GAB-VET	11 Feb 01 08:09	CCoWS													
GAB-VET	11 Feb 01 08:15	CCoWS													
GAB-VET	12 Feb 01 06:50	CCoWS							523.38	20.80		24.97			
GAB-VET	12 Feb 01 12:09	CCoWS				0.10	4.07	0.22	163.68	6.00		49.58			
GAB-VET	12 Feb 01 12:24	CCoWS				0.10	3.84	0.24	155.10	7.40		69.62	0.00		
GAB-VET	12 Feb 01 12:41	CCoWS													
GAB-VET	13 Feb 01 16:30	CCoWS							703.56	22.90		3.21	0.00		
GAB-VET	18 Feb 01 16:25	CCoWS					24.40		704.22	23.00		36.60			
GAB-VET	19 Feb 01 06:08	CCoWS				0.13	19.43		548.46	29.40		52.89	73.30		
GAB-VET	19 Feb 01 08:25	CCoWS							133.00	9.50		38.16	0.00		
GAB-VET	19 Feb 01 13:52	CCoWS				0.08	6.10	0.94	188.10	0.59		857.65			
GAB-VET	May-02	CCoWS					24.89	0.07							
GAB-VET	May-00	City of Salinas	22.30	10.40	7.60	0 (ND)	27.90	0.07	156.00	0.00	0 (ND)	188.00	188.00		
GAB-VET	Dec-00	City of Salinas	11.70	8.00	7.42	0 (ND)	27.70	0.22	182.00	1.00	0 (ND)	2800.00	20.00		
GAB-VET	Apr-01	City of Salinas	15.10	6.30	7.60	0 (ND)	26.30	0.12	214.00	2.00	107.00	9000.00	20.00		
GAB-VET	Nov-01	City of Salinas	15.40	8.40	8.30	0.05	0.20	0.15	184.00	30.00	55.00	16000.00	300.00		
GAB-VET	Jun-02	City of Salinas	18.40	6.20	7.30	0.53	21.80	0.16	213.00	1190.00	64.00	5000.00	110.00		
GAB-VET	Jan-03	City of Salinas	18.50	9.00	7.40	0.07	30.60	0.15	171.00	4.00	0 (ND)	9000.00	170.00		
GAB-VET	Jun-03	City of Salinas	16.30	7.20	8.20	0 (ND)	26.50	0.10	108.00	8.00	8.00	16000.00	40.00		
GAB-VET	22 Jun 04 09:24	CCoWS	16.08	4.64	0.68	6.22									
min			11.70	4.64	6.22	0.00	0.20	0.00	108.00	0.59	0.00	0.00	0.00	188.00	20.00
max			22.30	10.40	8.30	0.53	30.60	0.94	710.82	58.00	1190.00	857.65	123.34	16000.00	300.00

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mean			16.72	7.52		7.51	0.12	14.82	0.19	360.95	19.47	176.43	87.14	32.80	8284.00	121.14		
median			16.19	7.60		7.51	0.08	14.57	0.15	277.20	22.95	4.00	40.85	0.00	9000.00	110.00		
Total # Samples			8	8	1	8	19	24	17	29	20	7	30	9	7	7	0	0
SRC-RUS	May-00	City of Salinas	17.00	9.80		8.40	0.17	6.10	0.64	430.00		9.00	9.00		1600.00	1600.00		
SRC-RUS	Dec-00	City of Salinas	14.00	10.20		7.40	0.08	0.50	0.50	222.00		73.00	125.00		16000.00	9000.00		
SRC-RUS	Apr-00	City of Salinas	14.20	9.80		7.90	0.07	3.60	0.26	377.00		32.00	27.00		16000.00	9000.00		
SRC-RUS	Nov-01	City of Salinas	16.10	8.50		7.80	0.26	2.90	0.65	859.00		790.00	314.00		16000.00	16000.00		
SRC-RUS	Jun-02	City of Salinas	23.10	8.40		8.70	0.08	9.00	0.41	526.00		816.00	16.00		16000.00	1400.00		
SRC-RUS	Jan-03	City of Salinas	12.00	8.20		7.60	0.30	3.80	0.29	688.00		20.00	60.00		16000.00	3000.00		
SRC-RUS	Jun-03	City of Salinas	27.50	18.50		8.40	0.15	16.20	0.57	687.00		80.00	155.00		9000.00	20.00		
SRC-RUS	30 Jun 04 09:37	CCoWS	17.91	4.55	0.35	7.71												
min			12.00	4.55		7.40	0.07	0.50	0.26	222.00		9.00	9.00		1600.00	20.00		
max			27.50	18.50		8.70	0.30	16.20	0.65	859.00		816.00	314.00		16000.00	16000.00		
mean			17.73	9.74		7.99	0.16	6.01	0.47	541.29		260.00	100.86		12942.86	5717.14		
median			16.55	9.15		7.85	0.15	3.80	0.50	526.00		73.00	60.00		16000.00	3000.00		
Total # Samples			8	8	1	8	7	7	7	7	0	7	7	0	7	7	0	0
SRC-VAN	May-00	City of Salinas	17.50	8.00		8.30	0.10	6.50	0.61	467.00		14.00	8.00		1600.00	500.00		
SRC-VAN	Dec-00	City of Salinas	12.90	9.10		7.40	0 (ND)	0.20	0.59	275.00		65.00	48.00		16000.00	3000.00		
SRC-VAN	Apr-01	City of Salinas	15.10	10.80		8.10	0.06	3.80	0.39	395.00		87.00	62.00		16000.00	9000.00		
SRC-VAN	Nov-01	City of Salinas	17.30	9.10		7.80	0.19	3.60	0.73	862.00		880.00	388.00		16000.00	16000.00		
SRC-VAN	Jun-02	City of Salinas	27.70	6.30		8.70	0.09	10.80	0.71	600.00		913.00	108.00		16000.00	1700.00		
SRC-VAN	Jan-03	City of Salinas	12.50	8.60		7.60	3.10	5.40	0.98	563.00		110.00	846.00		16000.00	16000.00		
SRC-VAN	Jun-03	City of Salinas	25.10	4.50		7.40	0.12	2.70	0.53	510.00		90.00	54.00		16000.00	20.00		
SRC-VAN	29-Jun-04	CCoWS	21.1	9.55	0.42	7.9												
min			12.50	4.50	0.42	7.40	0.00	0.20	0.39	275.00		14.00	8.00		1600.00	20.00		
max			27.70	10.80	0.42	8.70	3.10	10.80	0.98	862.00		913.00	846.00		16000.00	16000.00		
mean			18.65	8.24	0.42	7.90	0.52	4.71	0.65	524.57		308.43	216.29		13942.86	6602.86		
median			17.40	8.85	0.42	7.85	0.10	3.80	0.61	510.00		90.00	62.00		16000.00	3000.00		
Total # Samples			8	8	1	8	7	7	7	7	0	7	7	0	7	7	0	0
SRC-RIT	May-00	City of Salinas	17.50	12.00		8.30	0.09	7.40	0.63	458.00		13.00	7.00		1600.00	300.00		
SRC-RIT	Dec-00	City of Salinas	14.10	11.40		8.40	0 (ND)	0 (ND)	0.62	266.00		57.00	21.00		16000.00	9000.00		

SRC-RIT	Apr-01	City of Salinas	15.50	9.10	8.20	0 (ND)	3.40	0.38	400.00	55.00	32.00	16000.00	9000.00				
SRC-RIT	Nov-01	City of Salinas	17.20	8.80	7.80	0.18	3.60	0.75	924.00	890.00	360.00	16000.00	16000.00				
SRC-RIT	Jun-02	City of Salinas	25.80	6.90	8.00	0.12	10.40	0.64	614.00	952.00	36.00	16000.00	1100.00				
SRC-RIT	Jan-03	City of Salinas	9.50	9.00	7.30	1.40	4.90	0.82	500.00	270.00	225.00	16000.00	16000.00				
SRC-RIT	Jun-03	City of Salinas	26.60	6.30	7.60	0.11	2.00	0.64	525.00	225.00	151.00	16000.00	20.00				
min			9.50	6.30	7.30	0.00	0.00	0.38	266.00	13.00	7.00	1600.00	20.00				
max			26.60	12.00	8.40	1.40	10.40	0.82	924.00	952.00	360.00	16000.00	16000.00				
mean			18.03	9.07	7.94	0.27	4.53	0.64	526.71	351.71	118.86	13942.86	7345.71				
median			17.20	9.00	8.00	0.11	3.60	0.64	500.00	225.00	36.00	16000.00	9000.00				
Total # Samples			7	7	0	7	7	7	7	0	7	7	0	7	7	0	0
SRC-CAS	May-00	City of Salinas	17.00	12.50	8.60	0.08	8.60	0.63	485.00	12.00	8.00	240.00	240.00				
SRC-CAS	Dec-00	City of Salinas	13.80	13.40	9.30	0 (ND)	0 (ND)	0.54	233.00	49.00	22.00	16000.00	9000.00				
SRC-CAS	Apr-01	City of Salinas	19.00	18.40	9.50	0.16	2.00	0.75	397.00	61.00	150.00	16000.00	16000.00				
SRC-CAS	Nov-01	City of Salinas	17.90	9.20	8.00	0.16	3.60	0.72	878.00	860.00	385.00	16000.00	16000.00				
SRC-CAS	Jun-02	City of Salinas	29.80	7.10	9.80	0.12	10.60	0.40	559.00	855.00	66.00	16000.00	1300.00				
SRC-CAS	Jan-03	City of Salinas	10.00	12.00	8.40	0.42	4.90	0.62	465.00	140.00	228.00	16000.00	9000.00				
SRC-CAS	Jun-03	City of Salinas	30.60	10.30	8.80	0.63	1.10	0.49	698.00	65.00	59.00	90.00	20.00				
min			10.00	7.10	8.00	0.00	0.00	0.40	233.00	12.00	8.00	90.00	20.00				
max			30.60	18.40	9.80	0.63	10.60	0.75	878.00	860.00	385.00	16000.00	16000.00				
mean			19.73	11.84	8.91	0.22	4.40	0.59	530.71	291.71	131.14	11475.71	7365.71				
median			17.90	12.00	8.80	0.16	3.60	0.62	485.00	65.00	66.00	16000.00	9000.00				
Total # Samples			7	7	0	7	7	7	0	0	7	7	0	7	7	0	0
NAT-BOR	01-Aug-02 23:10	CCoWS			8.30			1.29									
NAT-BOR	May-00	City of Salinas	17.00	9.90	7.90	0.66	27.00	0.22	678.00	4.00	0 (ND)	9000.00	2400.00				
NAT-BOR	Dec-00	City of Salinas	12.20	8.50	7.90	0 (ND)	7.90	0.72	275.00	112.00	126.00	5000.00	5000.00				
NAT-BOR	Apr-01	City of Salinas	18.00	8.70	7.50	1.20	21.10	2.00	647.00	594.00	607.00	16000.00	80.00				
NAT-BOR	Nov-01	City of Salinas	13.60	7.70	7.40	0.14	34.30	0.27	974.00	18.00	73.00	9000.00	230.00				
NAT-BOR	Jun-02	City of Salinas	NO FLOW														
NAT-BOR	Jan-03	City of Salinas	10.50	7.60	5.30	0 (ND)	29.90	0.43	928.00	14.00	60.00	16000.00	300.00				
NAT-BOR	Jun-03	City of Salinas	22.80	9.20	7.40	0.09	20.90	0.63	579.00	700.00	1020.00	16000.00	1100.00				
min			10.50	7.60	5.30	0.00	7.90	0.22	275.00	4.00	0.00	5000.00	80.00				
max			22.80	9.90	7.90	8.30	34.30	2.00	974.00	700.00	1020.00	16000.00	5000.00				

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mean			15.68	8.60		7.23	1.48	23.52	0.79	680.17		240.33	377.20		11833.33	1518.33		
median			15.30	8.60		7.45	0.14	24.05	0.63	662.50		65.00	126.00		12500.00	700.00		
Total # Samples			6	6	0	6	7	6	7	6	0	6	6	0	6	6	0	0
NAT-FRE	01 Aug 02 23:30	CCoWS					6.50	34.30	0.95									
NAT-FRE	May-00	City of Salinas																
NAT-FRE	Dec-00	City of Salinas																
NAT-FRE	Apr-01	City of Salinas	18.80	8.00		7.50	0.08	17.10	0.92	683.00		59.00	53.00		5000.00	500.00		
NAT-FRE	Nov-01	City of Salinas																
NAT-FRE	Jun-02	City of Salinas	19.70	9.02		7.80	0.14	1.40	0.47	393.00		11.00	9.00		1600.00	16000.00		
NAT-FRE	Jan-03	City of Salinas																
NAT-FRE	Jun-03	City of Salinas	15.10	7.10		8.00	0 (ND)	13.30	0.81	608.00		50.00	22.00		16000.00	900.00		
NAT-FRE	23 Jun 04 11:10	CCoWS	15.66	8.69	0.50	7.66												
min			15.10	7.10	0.50	7.50	0.00	1.40	0.47	393.00		11.00	9.00		1600.00	500.00		
max			19.70	9.02	0.50	8.00	6.50	34.30	0.95	683.00		59.00	53.00		16000.00	16000.00		
mean			17.32	8.20	0.50	7.74	1.68	16.53	0.79	561.33		40.00	28.00		7533.33	5800.00		
median			17.23	8.35	0.50	7.73	0.11	15.20	0.87	608.00		50.00	22.00		5000.00	900.00		
Total # Samples			4	4	1	4	4	4	4	3	0	3	3	0	3	3	0	0
NAT-PAC	May-00	City of Salinas	17.00	6.80		7.90	0.12	0.50	0.36	584.00		5.00	0 (ND)		9000.00	2400.00		
NAT-PAC	Dec-00	City of Salinas	13.90	5.70		6.90	0.06	0.50	0.23	163.00		77.00	43.00		16000.00	16000.00		
NAT-PAC	Apr-01	City of Salinas	18.60	13.40		8.00	0.06	15.30	0.80	665.00		25.00	15.00		9000.00	110.00		
NAT-PAC	Nov-01	City of Salinas	14.60	8.80		8.00	0.10	0.70	0.49	707.00		53.00	35.00		16000.00	1700.00		
NAT-PAC	Jun-02	City of Salinas	18.80	9.50		7.50	0.09	0.40	0.41	576.00		13.00	57.00		16000.00	500.00		
NAT-PAC	Jan-03	City of Salinas	11.00	4.20		6.60	0 (ND)	0.70	0.41	530.00		6.00	6.00		16000.00	300.00		
NAT-PAC	Jun-03	City of Salinas	14.60	4.00		7.70	0 (ND)	13.90	0.80	608.00		60.00	60.00		9000.00	220.00		
min			11.00	4.00		6.60	0.00	0.40	0.23	163.00		5.00	0.00		9000.00	110.00		
max			18.80	13.40		8.00	0.12	15.30	0.80	707.00		77.00	60.00		16000.00	16000.00		
mean			15.50	7.49		7.51	0.06	4.57	0.50	547.57		34.14	36.00		13000.00	3032.86		
median			14.60	6.80		7.70	0.06	0.70	0.41	584.00		25.00	39.00		16000.00	500.00		
Total # Samples			7	7	0	7	7	7	7	7	0	7	7	0	7	7	0	0
NAT-LAS	01 Aug 02 23:40	CCoWS					0.03	8.10	1.13									
NAT-LAS	May-00	City of Salinas	16.00	4.20		7.50	0.10	0.20	0.32	600.00		3.00	0 (ND)		3000.00	3000.00		

NAT-LAS	Dec-00	City of Salinas	13.50	6.50		6.90	0 (ND)	0.50	0.22	170.00	53.00	26.00	16000.00	3000.00				
NAT-LAS	Apr-01	City of Salinas	12.80	17.00		8.40	0 (ND)	11.90	0.65	622.00	20.00	16.00	9000.00	40.00				
NAT-LAS	Nov-01	City of Salinas	14.00	5.40		8.50	0.12	0.90	0.48	630.00	38.00	26.00	16000.00	1100.00				
NAT-LAS	Jun-02	City of Salinas	21.10	9.90		7.40	0 (ND)	4.10	0.13	457.00	5.00	8.00	16000.00	230.00				
NAT-LAS	Jan-03	City of Salinas	12.00	5.60		6.40	0 (ND)	0.70	0.39	550.00	11.00	7.00	16000.00	110.00				
NAT-LAS	Jun-03	City of Salinas	15.70	6.10		7.40	0.06	14.60	0.76	620.00	30.00	24.00	16000.00	800.00				
NAT-LAS	23 Jun 04 12:00	CCoWS	15.63	6.00	0.53	7.48												
min			12.00	4.20	0.53	6.40	0.00	0.20	0.13	170.00	3.00	0.00	3000.00	40.00				
max			21.10	17.00	0.53	8.50	0.12	14.60	1.13	630.00	53.00	26.00	16000.00	3000.00				
mean			15.09	7.59	0.53	7.50	0.04	5.13	0.51	521.29	22.86	15.29	13142.86	1182.86				
median			14.82	6.05	0.53	7.44	0.02	2.50	0.44	600.00	20.00	16.00	16000.00	800.00				
Total # Samples			8	8	1	8	8	8	8	7	0	7	8	0	7	7	0	0
NAT-RAN	May-00	City of Salinas	16.00	6.70		8.10	0.08	0 (ND)	0.11	615.00	43.00	69.00	1700.00	40.00				
NAT-RAN	Dec-00	City of Salinas	13.30	4.60		6.50	0.06	0.50	0.33	186.00	44.00	28.00	16000.00	3000.00				
NAT-RAN	Apr-01	City of Salinas	20.80	12.50		8.10	0 (ND)	8.60	0.60	646.00	25.00	40.00	3000.00	40.00				
NAT-RAN	Nov-01	City of Salinas	14.40	5.50		8.00	0.25	4.50	0.51	763.00	39.00	31.00	16000.00	500.00				
NAT-RAN	Jun-02	City of Salinas	22.60	9.10		8.00	0 (ND)	0 (ND)	0.18	524.00	40.00	66.00	5000.00	1700.00				
NAT-RAN	Jan-03	City of Salinas	12.50	7.60		6.10	0.06	0.70	0.33	523.00	19.00	24.00	16000.00	700.00				
NAT-RAN	Jun-03	City of Salinas	18.40	17.80		8.40	0.83	12.60	0.46	620.00	13.00	27.00	3000.00	130.00				
min			12.50	4.60		6.10	0.00	0.00	0.11	186.00	13.00	24.00	1700.00	40.00				
max			22.60	17.80		8.40	0.83	12.60	0.60	763.00	44.00	69.00	16000.00	3000.00				
mean			16.86	9.11		7.60	0.18	3.84	0.36	553.86	31.86	40.71	8671.43	872.86				
median			16.00	7.60		8.00	0.06	0.70	0.33	615.00	39.00	31.00	5000.00	500.00				
Total # Samples			7	7	0	7	7	7	7	0	0	7	7	0	7	7	0	0
NAT-GAR	May-00	City of Salinas	16.00	1.70		7.40	0.15	0 (ND)	0.32	582.00	28.00	34.00	16000.00	1100.00				
NAT-GAR	Dec-00	City of Salinas	14.10	3.70		7.10	0 (ND)	0 (ND)	0.39	1240.00	17.00	11.00	23.00	1600.00				
NAT-GAR	Apr-01	City of Salinas	20.10	11.90		7.20	0.27	0.40	0.36	977.00	4.00	0 (ND)	16000.00	210.00				
NAT-GAR	Nov-01	City of Salinas	15.40	8.70		7.90	0.11	1.40	0.29	1020.00	15.00	12.00	16000.00	9000.00				
NAT-GAR	Jun-02	City of Salinas	19.70	10.70		8.00	4.00	0.90	1.38	495.00	7.00	8.00	16000.00	16000.00				
NAT-GAR	Jan-03	City of Salinas	9.50	2.80		5.90	0 (ND)	0 (ND)	1.30	959.00	40.00	26.00	16000.00	16000.00				
NAT-GAR	Jun-03	City of Salinas	16.10	2.90		7.80	0.19	0.40	0.53	608.00	5.00	17.00	16000.00	20.00				
min			9.50	1.70		5.90	0.00	0.00	0.29	495.00	4.00	0.00	23.00	20.00				

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max			20.10	11.90		8.00	4.00	1.40	1.38	1240.00		40.00	34.00		16000.00	16000.00		
mean			15.84	6.06		7.33	0.67	0.44	0.65	840.14		16.57	18.00		13717.57	6275.71		
median			16.00	3.70		7.40	0.15	0.40	0.39	959.00		15.00	14.50		16000.00	1600.00		
Total # Samples			7	7	0	7	7	7	7	7	0	7	7	0	7	7	0	0
ALI-ALI	28 Jul 99 12:15	CCAMP	18.78	7.99	0.60	7.95	1.48	23.82	0.76				66.00					
ALI-ALI	31 Aug 99 10:00	CCAMP				8.12	0.10	16.63	0.79				117.00					
ALI-ALI	28 Sep 99 10:00	CCAMP	15.30	11.53		8.08	0.18	17.53	0.31				144.00					
ALI-ALI	01 Oct 99 06:25	CCAMP	16.00	7.50														
ALI-ALI	02 Nov 99 09:20	CCAMP	12.00	8.70		8.44	0.11	6.07	0.30				356.00					
ALI-ALI	09 Nov 99 09:50	CCAMP																
ALI-ALI	03 Jan 00 10:50	CCAMP																
ALI-ALI	26 Jan 00 13:00	CCAMP	11.90	6.88		7.65	0.25	35.73	1.39	783.00			197.00					
min			11.90	6.88	0.60	7.65	0.10	6.07	0.30	783.00			66.00					
max			18.78	11.53	0.60	8.44	1.48	35.73	1.39	783.00			356.00					
mean			14.80	8.52	0.60	8.05	0.42	19.96	0.71	783.00			196.94					
median			15.53	7.99	0.60	8.08	0.18	17.53	0.76	783.00			170.50					
Total # Samples			5	5	1	5	5	5	5	1	0	0	5	0	0	0	0	0
REC-AIR	01 Feb 99 14:30	CCAMP	11.80	9.60		7.86	0.24	15.51	1.22				515.00		160001.00	30000.00		
REC-AIR	01 Mar 99 11:40	CCAMP	15.10	8.84		7.97	0.63	7.42	0.36				210.00		160001.00	220.00		
REC-AIR	05 Apr 99 11:05	CCAMP	10.10	11.87		8.81	0.24	11.46	0.43				69.00		160000.00	110.00		
REC-AIR	10 May 99 11:30	CCAMP	14.20	8.36		7.78	2.87	24.49	1.72				927.00		50000.00	11000.00		
REC-AIR	03 Jun 99 09:45	CCAMP	14.30	7.45		7.13	3.69	21.35	0.86				198.00		160001.00	9000.00		
REC-AIR	07 Jul 99 04:15	CCAMP	17.90	2.81														
REC-AIR	07 Jul 99 09:30	CCAMP	17.40	4.53		7.69	1.31	21.35	1.19				98.00		160000.00	160000.00		
REC-AIR	26 Jul 99 05:25	CCAMP	18.13	2.51														
REC-AIR	26 Jul 99 10:15	CCAMP	17.54	3.16	0.60													
REC-AIR	27 Jul 99 14:00	CCAMP	18.94	10.21	0.60	8.42	0.40	17.30	1.32				44.00		160001.00	11000.00		
REC-AIR	31 Aug 99 10:20	CCAMP				7.86	1.48	6.29	0.69				146.00		160000.00	17000.00		
REC-AIR	28 Sep 99 10:30	CCAMP	16.60	4.65		8.08	0.77	42.25	0.46				60.00		160001.00	160000.00		
REC-AIR	01 Oct 99 06:40	CCAMP	16.80	2.25														
REC-AIR	02 Nov 99 09:35	CCAMP	14.00	3.98		8.00	0.27	6.07	0.50				26.00		160001.00	24000.00		
REC-AIR	09 Nov 99 10:00	CCAMP	14.20	3.43		7.41	1.89	6.29	0.89				47.00		160001.00	160001.00		

REC-AIR	30 Nov 99 11:10	CCAMP	12.11	4.36		7.49	2.21	4.49	0.30			56.00		16000.00	9000.00
REC-AIR	03 Jan 00 10:55	CCAMP	8.00	9.63		8.12	0.64	10.00	0.29	607.00		23.60		160001.00	160001.00
REC-AIR	26 Jan 00 12:35	CCAMP	11.30	10.06		7.71	0.19	12.07	1.74	334.00		530.00		90000.00	900.00
REC-AIR	10 Feb 00 12:10	CCAMP	13.61	8.33	0.80	7.52	5.82	2.19	2.16	123.00		167.00		160001.00	2300.00
REC-AIR	May-00	City of Salinas	19.00	10.00		8.60	3.60	28.80	2.03	805.00		66.00	99.00	16000.00	5000.00
REC-AIR	Dec-00	City of Salinas	19.60	8.00		4.10	5.79	4.70	3.50	222.00		240.00	237.00	16000.00	16000.00
REC-AIR	Apr-01	City of Salinas	22.40	7.10		8.50	1.90	21.40	1.90	616.00		154.00	133.00	16000.00	5000.00
REC-AIR	Nov-01	City of Salinas	18.70	8.10		7.80	4.60	11.00	2.00	794.00		100.00	63.00	16000.00	16000.00
REC-AIR	Jun-02	City of Salinas	20.80	9.00		8.70	0.56	2.00	4.85	859.00		29.00	20.00	16000.00	800.00
REC-AIR	Jan-03	City of Salinas	9.00	8.60		5.80	0.46	3.40	2.40	392.00		1500.00	674.00	160000.00	170.00
REC-AIR	Jun-03	City of Salinas	25.80	11.40		8.80	0.19	11.00	0.79	808.00		32.00	80.00	16000.00	20.00
REC-AIR	28 Jun 04 10:10	CCoWS	17.83	6.91	0.58	8.43									
min			8.00	2.25	0.58	4.10	0.19	2.00	0.29	123.00		29.00	20.00	16000.00	20.00
max			25.80	11.87	0.80	8.81	5.82	42.25	4.85	859.00		1500.00	927.00	160001.00	160001.00
mean			16.18	6.95	0.65	7.75	1.94	13.40	1.50	556.00		303.00	184.88	107800.35	38365.10
median			16.70	8.05	0.60	7.86	1.04	11.00	1.20	611.50		100.00	98.50	160000.00	10000.00
Total # Samples			26	26	4	23	22	22	22	10	0	7	22	0	22
REC-JOH	May-00	City of Salinas	18.50	5.50		7.70	2.49	13.10	0.79	984.00		56.00	76.00	16000.00	9000.00
REC-JOH	Dec-00	City of Salinas	12.90	8.30		8.30	0.88	4.50	1.70	671.00		150.00	119.00	16000.00	2400.00
REC-JOH	Apr-01	City of Salinas	22.90	6.50		7.80	7.40	25.90	1.80	976.00		92.00	92.00	16000.00	5000.00
REC-JOH	Nov-01	City of Salinas	18.30	7.30		7.70	2.00	9.90	1.56	1140.00		140.00	117.00	16000.00	16000.00
REC-JOH	Jun-02	City of Salinas	16.10	9.10		9.30	0.50	5.60	0.62	1210.00		47.00	36.00	16000.00	3000.00
REC-JOH	Jan-03	City of Salinas	11.00	9.00		6.90	0.50	5.60	1.20	580.00		450.00	325.00	16000.00	2200.00
REC-JOH	Jun-03	City of Salinas	18.90	5.20		8.00	0.40	10.40	0.50	1210.00		50.00	60.00	16000.00	20.00
min			11.00	5.20		6.90	0.40	4.50	0.50	580.00		47.00	36.00	16000.00	20.00
max			22.90	9.10		9.30	7.40	25.90	1.80	1210.00		450.00	325.00	16000.00	16000.00
mean			16.94	7.27		7.96	2.02	10.71	1.17	967.29		140.71	117.86	16000.00	5374.29
median			18.30	7.30		7.80	0.88	9.90	1.20	984.00		92.00	92.00	16000.00	3000.00
Total # Samples			7	7	0	7	7	7	7	7	0	7	7	0	7
REC-NMA	May-00	City of Salinas	18.52	3.50		6.80	3.48	18.90	0.80	921.00		14.00	23.00	16000.00	260.00
REC-NMA	Dec-00	City of Salinas	12.10	4.80		8.00	0.30	3.60	0.44	414.00		110.00	117.00	16000.00	9000.00
REC-NMA	Apr-01	City of Salinas	24.60	6.70		7.30	1.10	18.50	0.67	996.00		61.00	64.00	16000.00	230.00

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REC-NMA	Nov-01	City of Salinas	18.60	6.80	7.60	1.50	4.10	1.59	572.00	120.00	93.00	5000.00	16000.00				
REC-NMA	Jun-02	City of Salinas	20.70	8.70	7.90	0.54	11.40	0.56	831.00	17.00	23.00	16000.00	130.00				
REC-NMA	Jan-03	City of Salinas	11.00	7.80	6.50	0.40	8.30	0.95	548.00	270.00	112.00	16000.00	500.00				
REC-NMA	Jun-03	City of Salinas	25.70	18.60	8.70	0.15	10.10	0.53	1145.00	8.00	23.00	16000.00	300.00				
min			11.00	3.50	6.50	0.15	3.60	0.44	414.00	8.00	23.00	5000.00	130.00				
max			25.70	18.60	8.70	3.48	18.90	1.59	1145.00	270.00	117.00	16000.00	16000.00				
mean			18.75	8.13	7.54	1.07	10.70	0.79	775.29	85.71	65.00	14428.57	3774.29				
median			18.60	6.80	7.60	0.54	10.10	0.67	831.00	61.00	64.00	16000.00	300.00				
Total # Samples			7	7	0	7	7	7	0	0	7	7	0	7	7	0	0
REC-VIC	27 Oct 00 09:25	CCoWS				0.64	5.96	0.39	256.74			3055.51					
REC-VIC	29 Oct 00 00:31	CCoWS							155.71	4.20		235.93					
REC-VIC	31 Oct 00 20:34	CCoWS				0.50	6.45	0.66	485.10	6.00		159.30					
REC-VIC	07 Jan 01 16:52	CCoWS				1.42	11.75	0.30	812.46			70.13					
REC-VIC	08 Jan 01 02:20	CCoWS				0.37	5.20	0.30	133.32	1.86		745.73					
REC-VIC	08 Jan 01 02:57	CCoWS															
REC-VIC	08 Jan 01 04:10	CCoWS				0.10	3.16	0.27	394.68	3.40		387.83					
REC-VIC	08 Jan 01 06:56	CCoWS				0.78	1.58	0.43	261.36	2.57		273.96	7.39				
REC-VIC	08 Jan 01 09:35	CCoWS				0.17	1.81	0.29	127.38	4.40		283.92					
REC-VIC	08 Jan 01 09:40	CCoWS															
REC-VIC	08 Jan 01 11:42	CCoWS				0.41	2.48	0.23	159.06	5.40		320.46					
REC-VIC	08 Jan 01 12:00	CCoWS															
REC-VIC	08 Jan 01 18:16	CCoWS				2.50	4.07	0.73	184.14	3.80		230.72					
REC-VIC	09 Jan 01 14:57	CCoWS				0.43	2.26	0.40	283.14	8.20		83.92					
REC-VIC	10 Jan 01 10:50	CCoWS				0.13	5.20	0.24	346.50	3.16		159.47					
REC-VIC	10 Jan 01 11:12	CCoWS				0.66	4.74	0.31									
REC-VIC	10 Jan 01 16:50	CCoWS				2.18	0.91	0.18	95.70	4.00		159.47					
REC-VIC	10 Jan 01 23:11	CCoWS				0.73	4.74	0.44	147.84	1.52		270.04					
REC-VIC	11 Jan 01 11:47	CCoWS				0.37	5.42	0.57	199.32	0.94		319.18					
REC-VIC	11 Jan 01 17:15	CCoWS							297.66	3.60		533.95					
REC-VIC	12 Jan 01 17:02	CCoWS				0.33	5.42	0.55	248.82	2.13		237.48					
REC-VIC	15 Jan 01 13:59	CCoWS				0.52	10.39	0.70	361.02	2.22		185.95					
REC-VIC	23 Jan 01 14:33	CCoWS				0.63	6.10	0.27	808.50	11.80		47.01					
REC-VIC	24 Jan 01 04:45	CCoWS				0.62	4.52	0.22	246.18	8.20		160.73					
REC-VIC	24 Jan 01 07:01	CCoWS				0.24	0.90	0.19	111.54	7.40		212.13					

REC-VIC	24 Jan 01 11:10	CCoWS					0.61	2.71	0.24	129.36	5.00		149.83				
REC-VIC	25 Jan 01 18:31	CCoWS					0.49	2.71	0.25	180.84	2.01		558.37				
REC-VIC	25 Jan 01 18:39	CCoWS															
REC-VIC	25 Jan 01 21:10	CCoWS					0.20	0.68	0.19	50.16	4.40		540.68				
REC-VIC	26 Jan 01 00:34	CCoWS					0.13	2.26	0.26	100.98	2.40		479.76				
REC-VIC	26 Jan 01 09:53	CCoWS					0.19	4.97	0.75	142.56	0.72		1190.28				
REC-VIC	26 Jan 01 15:03	CCoWS					0.22	4.97	0.63	219.12	0.96		116.81				
REC-VIC	18 Feb 01 16:42	CCoWS					0.50	12.42	0.13	663.96	19.60		32.78				
REC-VIC	19 Feb 01 05:53	CCoWS					0.17	1.13	0.15	145.20	6.80		247.45				
REC-VIC	19 Feb 01 08:44	CCoWS								70.62	5.00		203.47				
REC-VIC	01 Jul 02 00:00	CCoWS					0.00	9.90	0.38	853.38	27.60		66.95				
REC-VIC	01 Jul 02 17:49	CCoWS	23.91	17.25	0.63												
REC-VIC	19 Sep 03 08:34	CCoWS	15.94	5.07	0.82	7.46				1044.00							
REC-VIC	19 Sep 03 17:02	CCoWS	23.34	24.87	0.79	8.25				1016.00							
min			15.94	5.07	0.63	7.46	0.00	0.68	0.13	50.16	0.72		32.78	7.39			
max			23.91	24.87	0.82	8.25	2.50	12.42	0.75	1044.00	27.60		3055.51	7.39			
mean			21.06	15.73	0.75	7.86	0.56	4.65	0.37	325.22	5.49		378.04	7.39			
median			23.34	17.25	0.79	7.86	0.43	4.74	0.30	219.12	4.00		235.93	7.39			
Total # Samples			3	3	3	2	29	29	29	32	29	0	31	1	0	0	0
REC-DAV	May-00	City of Salinas	18.00	6.00		7.90	6.21	27.00	0.90	945.00		4.00	6.00		800.00	40.00	
REC-DAV	Dec-00	City of Salinas	13.30	5.70		6.90	0.42	5.90	0.36	504.00		94.00	83.00		16000.00	16000.00	
REC-DAV	Apr-01	City of Salinas	19.00	8.70		8.00	4.00	17.10	1.10	739.00		73.00	63.00		16000.00	1700.00	
REC-DAV	Nov-01	City of Salinas	17.20	6.90		7.70	1.80	4.10	1.72	580.00		97.00	74.00		16000.00	16000.00	
REC-DAV	Jun-02	City of Salinas	21.00	13.50		8.80	0.15	11.90	0.65	1060.00		11.00	49.00		16000.00	220.00	
REC-DAV	Jan-03	City of Salinas	10.00	9.00		6.70	0.47	7.70	0.95	580.00		260.00	40.00		16000.00	500.00	
REC-DAV	Jun-03	City of Salinas	24.80	26.60		9.10	0.19	9.20	0.25	860.00		19.00	70.00		3000.00	80.00	
min			10.00	5.70		6.70	0.15	4.10	0.25	504.00		4.00	6.00		800.00	40.00	
max			24.80	26.60		9.10	6.21	27.00	1.72	1060.00		260.00	83.00		16000.00	16000.00	
mean			17.61	10.91		7.87	1.89	11.84	0.85	752.57		79.71	55.00		11971.43	4934.29	
median			18.00	8.70		7.90	0.47	9.20	0.90	739.00		73.00	63.00		16000.00	500.00	
Total # Samples			7	7	0	7	7	7	7	7	0	7	7	0	7	7	0
REC-BOR	14 Apr 00 13:47	CCoWS								827.97	14.30		108.21				

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REC-BOR	01 Feb 99 12:45	CCAMP	10.10	9.37		7.85	0.24	3.15	0.59			385.00	160001.00	17000.00				
REC-BOR	01 Mar 99 12:30	CCAMP	15.40	8.90		8.02	0.16	3.60	0.18			120.00	17000.00	900.00				
REC-BOR	05 Apr 99 12:30	CCAMP	11.10	12.13		7.81	0.11	7.42	0.21			35.00	160001.00	1600.00				
REC-BOR	05 Apr 99 12:45	CCAMP				7.80					490.00	33.00	160001.00	3000.00				
REC-BOR	10 May 99 12:00	CCAMP	15.70	10.20		8.20	0.29	9.44	0.43			45.00	35000.00	5000.00				
REC-BOR	10 May 99 12:15	CCAMP				8.23	0.30	9.44	0.43			40.00	160001.00	1700.00				
REC-BOR	03 Jun 99 10:20	CCAMP	10.50	3.33		7.27	2.13	12.81	0.46			62.00	160001.00	160001.00				
REC-BOR	03 Jun 99 10:30	CCAMP				7.30	2.13	12.81	0.50			66.00	160001.00	160001.00				
REC-BOR	07 Jul 99 05:00	CCAMP	18.70	3.61														
REC-BOR	07 Jul 99 10:15	CCAMP	18.30	9.80		8.05	1.39	3.60	0.50			27.00	1600.00	1600.00				
REC-BOR	26 Jul 99 05:55	CCAMP	19.06	10.50														
REC-BOR	26 Jul 99 10:30	CCAMP	18.25	2.70	0.80													
REC-BOR	27 Jul 99 13:40	CCAMP	17.60		0.70	7.98	0.82	8.99	0.56			20.00	9000.00	500.00				
REC-BOR	31 Aug 99 10:45	CCAMP				8.17	1.97	3.82	0.56			13.00	3000.00	210.00				
REC-BOR	28 Sep 99 11:30	CCAMP	18.70	4.59		8.00	2.87	8.76	0.50			5.00	5000.00	110.00				
REC-BOR	01 Oct 99 06:50	CCAMP	17.10	0.61														
REC-BOR	02 Nov 99 09:50	CCAMP	13.80	1.20		8.33	4.67	4.94	0.59			7.00	17000.00	2400.00				
REC-BOR	09 Nov 99 10:30	CCAMP	13.00	0.49		7.26	0.50	1.62	0.69			39.00	160001.00	160001.00				
REC-BOR	30 Nov 99 13:00	CCAMP				7.50												
REC-BOR	30 Nov 99 13:00	CCAMP	11.52	2.15		7.22	1.64	7.64	0.24			66.00	28000.00	9000.00				
REC-BOR	03 Jan 00 11:20	CCAMP	6.10	7.13		8.11	1.64	16.25	0.22	745.00		58.00	3000.00	3000.00				
REC-BOR	26 Jan 00 11:50	CCAMP	11.80	6.59		7.63	0.21	7.19	0.79	372.00		170.00	50000.00	900.00				
REC-BOR	10 Feb 00 13:30	CCAMP				8.16	0.08	2.49	0.12	346.00		45.20						
REC-BOR	10 Feb 00 13:45	CCAMP	14.61	8.00	0.70	7.65	0.32	1.43	0.26	128.00		270.00	160000.00	90000.00				
min			6.10	0.49	0.70	7.22	0.08	1.43	0.12	128.00		5.00	1600.00	110.00				
max			19.06	12.13	0.80	8.33	4.67	16.25	0.79	745.00		385.00	160001.00	160001.00				
mean			14.52	5.96	0.73	7.83	1.19	6.97	0.44	416.20		79.27	80478.17	34273.50				
median			15.01	6.59	0.70	7.92	0.66	7.30	0.48	431.00		45.10	42500.00	2700.00				
Total # Samples			18	17	3	20	18	18	18	6	1	0	20	0	18	18	0	0
REC-JON	13 Apr 00 00:00	CCoWS								611.82	26.70	30.10						
REC-JON	13 Apr 00 17:57	CCoWS								740.30	22.50		14.16					
REC-JON	14 Apr 00 07:29	CCoWS								889.68	28.10		20.77					
REC-JON	14 Apr 00 11:23	CCoWS								998.91	30.70		28.42					
REC-JON	14 Apr 00 11:43	CCoWS									30.10							

REC-JON	14 Apr 00 12:04	CCoWS				1096.26	28.60	25.17	
REC-JON	14 Apr 00 12:17	CCoWS							
REC-JON	14 Apr 00 12:24	CCoWS					21.90		
REC-JON	14 Apr 00 12:37	CCoWS					24.20		
REC-JON	14 Apr 00 12:53	CCoWS					24.00		
REC-JON	14 Apr 00 13:45	CCoWS							
REC-JON	14 Apr 00 15:17	CCoWS				609.84	11.20	11.28	
REC-JON	14 Apr 00 15:39	CCoWS					15.00		0.00
REC-JON	14 Apr 00 17:30	CCoWS				755.04	15.90	98.62	
REC-JON	15 Apr 00 05:06	CCoWS				599.28	31.20	24.42	
REC-JON	15 Apr 00 10:21	CCoWS				658.68	27.40	47.05	
REC-JON	16 Apr 00 21:47	CCoWS				879.12	25.00	76.45	
REC-JON	16 Apr 00 22:14	CCoWS							
REC-JON	16 Apr 00 23:56	CCoWS				890.34	50.40	52.95	
REC-JON	17 Apr 00 00:08	CCoWS							
REC-JON	17 Apr 00 01:56	CCoWS				890.34	27.40	30.58	
REC-JON	17 Apr 00 03:28	CCoWS				897.60	45.40	30.58	
REC-JON	17 Apr 00 12:40	CCoWS				166.98	7.50	91.74	
REC-JON	17 Apr 00 15:44	CCoWS				189.42	7.80	159.28	1.00
REC-JON	17 Apr 00 21:01	CCoWS				222.42		76.74	
REC-JON	18 Apr 00 14:52	CCoWS						10.24	
REC-JON	03 Jul 00 18:29	CCoWS							
REC-JON	11 Oct 00 13:12	CCoWS	1.02	13.59	2.11				
REC-JON	20 Oct 00 12:10	CCoWS	0.47	10.53	0.42				
REC-JON	25 Oct 00 13:37	CCoWS				1230.90	34.60	19.08	0.00
REC-JON	25 Oct 00 15:32	CCoWS							
REC-JON	25 Oct 00 19:05	CCoWS				1013.43	26.60	25.69	0.00
REC-JON	25 Oct 00 19:45	CCoWS				975.48	22.00	27.05	
REC-JON	25 Oct 00 21:24	CCoWS				687.72	14.90	89.71	
REC-JON	25 Oct 00 22:58	CCoWS							
REC-JON	26 Oct 00 08:19	CCoWS				611.82	12.00	45.15	
REC-JON	26 Oct 00 11:00	CCoWS				568.26	6.20	484.37	
REC-JON	26 Oct 00 11:10	CCoWS					7.60		
REC-JON	26 Oct 00 11:18	CCoWS							
REC-JON	26 Oct 00 11:21	CCoWS				527.34	4.80	150.09	
REC-JON	26 Oct 00 11:32	CCoWS							

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REC-JON	26 Oct 00 11:37	CCoWS				4.22	6.40	204.68	
REC-JON	26 Oct 00 11:41	CCoWS							
REC-JON	26 Oct 00 13:51	CCoWS	0.75	2.45	0.43	283.80	7.45	125.52	0.00
REC-JON	26 Oct 00 14:38	CCoWS							
REC-JON	26 Oct 00 14:56	CCoWS							
REC-JON	26 Oct 00 15:19	CCoWS							
REC-JON	26 Oct 00 16:50	CCoWS	0.70	2.39	0.37	306.24	5.20	109.00	
REC-JON	26 Oct 00 20:14	CCoWS				141.90	1.72	1042.25	
REC-JON	26 Oct 00 20:37	CCoWS	0.44	1.52	0.30				
REC-JON	26 Oct 00 22:30	CCoWS				97.68	1.98	369.17	
REC-JON	27 Oct 00 05:48	CCoWS	0.77	5.00	0.56				
REC-JON	27 Oct 00 07:40	CCoWS	0.59	5.59	1.06	196.02	0.35	3991.04	
REC-JON	27 Oct 00 12:57	CCoWS				232.32	0.50	1234.84	
REC-JON	27 Oct 00 13:55	CCoWS				238.92	0.51	1418.47	
REC-JON	28 Oct 00 10:55	CCoWS				296.34	1.30	255.16	
REC-JON	28 Oct 00 18:38	CCoWS	0.08	0.65	0.22	324.72	1.74	110.00	
REC-JON	28 Oct 00 19:38	CCoWS	0.39	4.28	0.68	335.28	1.71	115.00	
REC-JON	28 Oct 00 23:38	CCoWS				297.66	1.94	523.87	
REC-JON	29 Oct 00 00:40	CCoWS				194.70	3.00	313.41	
REC-JON	29 Oct 00 02:29	CCoWS				123.42	4.89	233.36	
REC-JON	29 Oct 00 08:45	CCoWS	0.39	2.93	0.52	159.72	3.30	271.77	
REC-JON	29 Oct 00 12:32	CCoWS	0.44	3.92	0.57	177.54	2.40	562.08	
REC-JON	29 Oct 00 19:59	CCoWS	0.24	3.31	0.61	194.70	1.94	315.61	0.00
REC-JON	30 Oct 00 20:20	CCoWS	0.42	3.06	0.66	305.91	5.80	98.71	
REC-JON	31 Oct 00 20:16	CCoWS	0.69	15.36	0.82	482.46	7.60	66.39	
REC-JON	04 Nov 00 11:57	CCoWS				857.34	17.80	44.53	
REC-JON	07 Jan 01 14:02	CCoWS	0.31	14.46	0.31	814.44	22.00	54.28	
REC-JON	08 Jan 01 01:25	CCoWS							
REC-JON	08 Jan 01 03:05	CCoWS	0.56	13.55	0.41	856.02	18.20	37.04	
REC-JON	08 Jan 01 03:45	CCoWS							
REC-JON	08 Jan 01 04:00	CCoWS							
REC-JON	08 Jan 01 06:07	CCoWS	0.98	13.10	0.40	826.98	8.20	150.70	2.86
REC-JON	08 Jan 01 09:04	CCoWS	0.95	2.26	0.34		2.00	363.64	0.00
REC-JON	08 Jan 01 09:14	CCoWS							0.00
REC-JON	08 Jan 01 09:53	CCoWS	1.15	1.81	0.30	217.80	1.95	551.04	
REC-JON	08 Jan 01 10:02	CCoWS							

REC-JON	08 Jan 01 10:14	CCoWS					1.12	1.81	0.43						
REC-JON	08 Jan 01 10:19	CCoWS													
REC-JON	08 Jan 01 10:28	CCoWS													
REC-JON	08 Jan 01 11:30	CCoWS					0.51	1.58	0.37	129.36	1.89			98.71	
REC-JON	08 Jan 01 12:24	CCoWS												66.39	
REC-JON	08 Jan 01 13:24	CCoWS					0.48	1.58	0.23	106.26	4.78			44.53	
REC-JON	08 Jan 01 18:04	CCoWS					0.42	4.52	0.22	182.82	2.67			54.28	
REC-JON	09 Jan 01 14:43	CCoWS						3.61	0.45	297.66	7.98				
REC-JON	10 Jan 01 10:35	CCoWS					0.65	4.29	0.37	349.80	5.00			37.04	
REC-JON	10 Jan 01 16:30	CCoWS					0.29	1.36	0.11	104.28	2.90				
REC-JON	11 Jan 01 00:00	CCoWS					0.15	2.71	0.32	106.92	1.34				
REC-JON	11 Jan 01 11:23	CCoWS					0.40	4.29	0.64	149.82	0.93			150.70	
REC-JON	11 Jan 01 17:06	CCoWS					0.32	3.61	0.35	168.30	1.64			363.64	
REC-JON	11 Jan 01 19:15	CCoWS					0.38	3.16	0.38	147.84	1.91			376.16	
REC-JON	12 Jan 01 16:39	CCoWS					0.32	5.65	0.54	227.04	2.59			330.53	
REC-JON	12 Jan 01 16:50	CCoWS													
REC-JON	15 Jan 01 13:51	CCoWS					0.46	8.89	0.60	371.58	2.30			129.48	
REC-JON	23 Jan 01 14:56	CCoWS					0.52	10.39	0.10	769.56	17.20			59.06	
REC-JON	23 Jan 01 15:24	CCoWS													
REC-JON	24 Jan 01 04:34	CCoWS					0.11	1.81	0.27	243.54	9.40			89.14	
REC-JON	24 Jan 01 07:15	CCoWS					0.61	3.84	0.29	295.68	4.40			390.83	
REC-JON	24 Jan 01 10:55	CCoWS					0.23	1.13	0.25	116.16	5.50			121.25	
REC-JON	25 Jan 01 18:19	CCoWS					0.43	2.94	0.38	267.96	4.40			129.54	
REC-JON	25 Jan 01 21:24	CCoWS					0.21	1.81	0.27	122.76	3.40			541.99	
REC-JON	26 Jan 01 00:17	CCoWS					0.23	0.90	0.21	81.84	3.60			341.42	
REC-JON	26 Jan 01 09:44	CCoWS					0.22	4.07	0.78	139.26	0.65			1928.09	
REC-JON	26 Jan 01 14:47	CCoWS					0.20	4.29	0.73	145.20	1.00			623.88	
REC-JON	18 Feb 01 16:52	CCoWS					0.35	12.88		618.42	16.10			34.99	
REC-JON	19 Feb 01 05:41	CCoWS					0.42	13.10	0.30	586.08	11.60			80.50	
REC-JON	19 Feb 01 08:54	CCoWS								85.80	5.30			261.18	
REC-JON	12 Nov 01 11:40	CCoWS					1.60	4.29	2.16	813.12	1.30			1534.97	
REC-JON	23 May 02 12:05	CCoWS						3.98	0.93						
REC-JON	01 Jul 02 00:00	CCoWS	23.78	24.19	0.60		0.00	6.20	0.01	772.20	12.60			143.68	
REC-JON	08 Jul 02 12:15	CCoWS	21.84	17.32	0.68	9.15	0.02	9.80	0.38	1222.32	18.50			96.20	158.65 353.73
REC-JON	29 Aug 02 11:24	CCoWS					0.00	6.60	1.52	1053.36	20.80	7.78		22.10	144.72 727.54
REC-JON	13 Sep 02 12:16	CCoWS					0.10	6.70	0.57	1112.10	24.30	4.63		40.27	85.63 1639.12

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REC-JON	25 Sep 02 13:15	CCoWS					0.45	0.77	0.82	997.26	29.10	6.64	11.10				76.01	273.26
REC-JON	22 Oct 02 12:20	CCoWS	14.52	5.47	0.72	7.97	0.01	5.10	1.25	1222.32	26.10	13.50	22.28				127.68	340.58
REC-JON	06 Nov 02 15:45	CCoWS					0.11	5.50	0.31	1069.20	27.20	17.40	37.07				436.34	102.82
REC-JON	08 Nov 02 05:03	CCoWS					0.53	1.10	0.44	221.76	5.40	102.00	90.42				1390.21	7832.30
REC-JON	08 Nov 02 17:37	CCoWS					0.32	0.80	1.33	171.60	3.00	273.00	232.32				3039.45	844.40
REC-JON	11 Nov 02 15:10	CCoWS					0.45	1.80	0.74	363.66	20.00	43.00	85.62				154.07	485.77
REC-JON	16 Dec 02 08:47	CCoWS																
REC-JON	15 Feb 03 17:25	CCoWS					1.53	9.70	4.21	611.82	26.70	30.10	12.15				189.20	392.47
REC-JON	18 Feb 03 10:45	CCoWS																
REC-JON	19 Feb 03 13:30	CCoWS					0.28	8.20	0.28	475.20	9.90	90.80	85.27				134.90	986.30
REC-JON	20 Feb 03 15:20	CCoWS					0.83	6.70	1.92	395.34	5.80	217.00	143.69				241.24	1948.81
REC-JON	13 Mar 03 10:00	CCoWS	16.75	8.10	0.68	8.67	0.43	15.20	1.29	0.86	29.10	14.50	75.42				127.88	266.02
REC-JON	15 Mar 03 05:15	CCoWS					0.68	1.70	0.91	0.33	4.30	388.00	486.03				823.44	1664.18
REC-JON	17 Mar 03 13:15	CCoWS					0.28	2.30	3.80	0.26	6.80	183.00	93.35				200.64	388.51
REC-JON	19 Apr 03 12:30	CCoWS					0.01	9.20	0.32	729.30	18.40	28.00	23.72				66.53	915.31
REC-JON	31 May 03 09:45	CCoWS	17.29	6.37	0.81	8.48	0.40	13.10	1.46	1056.66	29.80	14.50	54.52				101.06	183.64
REC-JON	10 Jun 03 11:00	CCoWS	18.09	11.77	0.63	8.57	2.65	11.05	0.64	851.40	21.80	21.60	12.17				96.45	398.73
REC-JON	14 Jul 03 13:30	CCoWS	22.97	8.38	0.70	8.29				883.08	14.20	68.30	20.63				106.72	379.61
REC-JON	03 Aug 03 12:30	CCoWS	21.64	14.01	0.74	8.21				914.10	12.30	62.40	136.88				105.40	300.25
REC-JON	18 Sep 03 13:44	CCoWS	19.63	15.54	0.73	8.11				866.58	29.80	19.30	84.73				224.59	318.91
REC-JON	19 Sep 03 08:49	CCoWS	17.10	6.37	0.77	7.89				984.00								
REC-JON	19 Sep 03 17:17	CCoWS	21.87	22.79	0.81	8.32				1047.00								
REC-JON	21 Oct 03 11:40	CCoWS	17.49	8.18	0.88	8.24				1112.10	29.00	5.60	9.33				71.24	372.14
REC-JON	25 Jun 04 09:45	CCoWS	18.81	3.70	0.74	7.78												
min			14.52	3.70	0.60	7.78	0.00	0.65	0.01	4.22	0.35	4.63	9.33	0.00	0.00	0.00	66.53	102.82
max			23.78	24.19	0.88	9.15	2.65	15.36	4.21	1230.90	50.40	388.00	3991.04	2.86	0.00	0.00	3039.45	7832.30
mean			19.37	11.71	0.73	8.31	0.50	5.53	0.71	529.65	12.91	74.60	255.41	0.43	#DIV/0!	#DIV/0!	368.27	959.75
median			18.81	8.38	0.73	8.27	0.42	4.17	0.43	475.20	7.80	29.05	92.55	0.00	#NUM!	#NUM!	139.81	390.49
Total # Samples			13	13	13	12	62	64	63	97	102	22	94	9	0	0	22	22
REC-183	08 Jan 01 03:19	CCoWS					0.14	20.33	0.15	952.38			28.66					
REC-183	08 Jan 01 11:03	CCoWS					0.87	6.55	0.24	348.48	3.60		571.21					
REC-183	08 Jan 01 11:19	CCoWS																
REC-183	08 Jan 01 13:34	CCoWS					0.76	1.58	0.35	140.58	1.67		819.73	7.91				
REC-183	08 Jan 01 13:45	CCoWS																

REC-183	08 Jan 01 17:25	CCoWS				0.42	4.07	0.22	182.16	3.35	256.80	0.00
REC-183	08 Jan 01 17:50	CCoWS										
REC-183	09 Jan 01 14:20	CCoWS					5.65	0.35	380.82	10.80	139.80	
REC-183	09 Jan 01 14:32	CCoWS										
REC-183	10 Jan 01 10:02	CCoWS				0.35	3.61	0.33	363.66	5.50	119.04	
REC-183	10 Jan 01 10:20	CCoWS										
REC-183	10 Jan 01 15:45	CCoWS				0.52	6.10	0.45	363.66	1.25	913.04	
REC-183	10 Jan 01 16:20	CCoWS										
REC-183	10 Jan 01 23:35	CCoWS							196.02	1.24	714.67	
REC-183	10 Jan 01 23:55	CCoWS				0.24	4.07	0.35				
REC-183	11 Jan 01 11:20	CCoWS				0.44	4.97	0.68	242.22	0.72	906.13	2.62
REC-183	11 Jan 01 16:52	CCoWS				0.38	6.33	0.52	300.30	1.27	622.12	
REC-183	11 Jan 01 19:30	CCoWS				0.28	4.29	0.49	215.82	1.38	640.53	
REC-183	12 Jan 01 16:13	CCoWS				0.32	7.00	0.64	301.62	1.72	479.90	
REC-183	12 Jan 01 16:28	CCoWS										
REC-183	15 Jan 01 13:31	CCoWS				0.67	7.00	0.27	640.86	1.99	194.70	
REC-183	23 Jan 01 15:16	CCoWS							897.60	18.00	74.52	
REC-183	24 Jan 01 04:22	CCoWS				0.28	9.26	0.43	642.18	4.40	299.57	
REC-183	24 Jan 01 07:25	CCoWS							437.58	3.20	573.86	
REC-183	24 Jan 01 07:29	CCoWS				0.53	7.68	0.22				
REC-183	24 Jan 01 07:31	CCoWS										
REC-183	24 Jan 01 10:37	CCoWS				0.46	4.74	0.36	267.30	2.40	711.34	
REC-183	24 Jan 01 10:45	CCoWS										
REC-183	25 Jan 01 18:04	CCoWS				2.52	2.94	0.36	463.98	5.40	454.75	
REC-183	25 Jan 01 21:36	CCoWS				0.76	8.81	0.29	413.16	0.94	966.54	
REC-183	25 Jan 01 23:45	CCoWS				0.24	2.03	0.32	137.28	1.00	1284.34	
REC-183	26 Jan 01 00:07	CCoWS										
REC-183	26 Jan 01 09:35	CCoWS				0.33	4.52	0.49	191.40	1.01	875.16	
REC-183	26 Jan 01 14:30	CCoWS				0.23	5.87	0.70				
REC-183	26 Jan 01 14:37	CCoWS							269.28	1.05	1004.30	
REC-183	18 Feb 01 17:01	CCoWS				0.44	10.84	0.10	894.30	8.50	157.13	
REC-183	19 Feb 01 05:29	CCoWS				0.59	11.07	0.21	817.74	3.60	498.05	
REC-183	19 Feb 01 09:02	CCoWS							559.02	1.37	1321.50	
REC-183	01 Jul 02 17:31	CCoWS				0.00	8.70	0.00	1102.86	18.90	117.80	
REC-183	02 Jul 02 10:52	CCoWS	23.02	24.89	0.66							
REC-183	19 Sep 03 09:00	CCoWS	16.57	7.17	0.92	7.66			1167.00			

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REC-183	19 Sep 03 17:31	CCoWS	21.70	19.81	0.91	8.14				1171.00							
min			16.57	7.17	0.66	7.66	0.00	1.58	0.00	137.28	0.72		28.66	0.00			
max			23.02	24.89	0.92	8.14	2.52	20.33	0.00	1172.00	18.90		1321.50	7.91			
mean			20.43	17.29	0.83	7.90	0.51	6.58	0.36	525.25	4.17		567.12	3.51			
median			21.70	19.81	0.91	7.90	0.42	5.99	0.35	380.82	1.99		572.53	2.62			
Total # Samples			3	3	3	2	23	24	24	29	25	0	26	3	0	0	0
EP1-ROG	12 Nov 01 12:22	CCoWS					0.84	16.04	4.37	397.32	0.70		3308.29				
EP1-ROG	08 Jul 02 13:35	CCoWS	28.36	6.90	0.71	8.31	2.41	30.70	3.36	1079.76	5.20			0.00		1148.73	741793.70
EP1-ROG	29 Aug 02 15:17	CCoWS					4.27	33.10	12.48	1001.88	9.40	108.00	83.25			225.25	23141.06
EP1-ROG	13 Sep 02 14:00	CCoWS					2.13	40.40	2.65	1504.80	7.30	152.00	410.37			28467.07	291895.90
EP1-ROG	25 Sep 02 15:50	CCoWS						5.38		871.20	18.80	47.90	83.56			3255.67	95321.82
EP1-ROG	22 Oct 02 13:30	CCoWS	17.71	8.66	0.53	8.28	2.24	24.20	2.72	883.74	4.10	257.00	375.59			4388.08	229226.13
EP1-ROG	06 Nov 02 17:30	CCoWS					0.22	94.80	6.03	2019.60	14.20	170.00	378.67			618.62	4054.50
EP1-ROG	08 Nov 02 18:30	CCoWS					0.69	18.40	1.59	642.18	2.20	517.00	1002.86			2003.02	12799.94
EP1-ROG	11 Nov 02 15:50	CCoWS					16.96	56.70	9.72	1104.84	7.50	114.00	213.10			4080.07	12860.21
EP1-ROG	16 Dec 02 00:00	CCoWS															
EP1-ROG	15 Feb 03 18:00	CCoWS					10.80	46.40	4.88	1310.76	15.30	57.00	126.12			1396.96	18606.24
EP1-ROG	19 Feb 03 10:30	CCoWS															
EP1-ROG	19 Feb 03 12:45	CCoWS					1.67	20.80	5.92	589.38	7.90	158.00	263.07			1648.83	6096.03
EP1-ROG	20 Feb 03 15:55	CCoWS					2.07	29.90	2.07	933.90	14.00	47.30	157.02			921.82	8911.18
EP1-ROG	13 Mar 03 10:45	CCoWS	16.76	9.84	0.89	8.19	2.70	30.40	13.44	1122.00	16.30	42.10	144.69			1140.05	2888.14
EP1-ROG	15 Mar 03 04:00	CCoWS					0.95	10.45	1.71	198.00	2.60	885.00	1176.57			14808.92	9355.27
EP1-ROG	17 Mar 03 14:00	CCoWS					0.47	26.10	2.04	666.60	5.10	258.00	126.20			416.37	2606.73
EP1-ROG	19 Apr 03 13:00	CCoWS					0.81	31.20	2.00	997.26	4.20	302.00	299.01			411.57	6673.69
EP1-ROG	31 May 03 10:30	CCoWS	22.04	4.90	0.38	8.08	2.08	28.30	13.08	853.38	1.49	975.00	1014.98			247.87	709.81
EP1-ROG	10 Jun 03 12:00	CCoWS	22.50	7.89	0.47	8.10	0.45	23.55	4.88	737.22	8.80	133.00	150.92			137.64	1024.42
EP1-ROG	14 Jul 03 13:30	CCoWS	26.98	5.87	0.63	7.97				778.80	16.80	46.40	176.00			236.81	1179.63
EP1-ROG	03 Aug 03 14:09	CCoWS	27.46	6.95	0.43	7.75				1071.84	21.80	35.90	111.11			1041.78	969.25
EP1-ROG	19 Sep 03 09:30	CCoWS								696.30	16.70	53.80	274.17			6025.83	19603.44
EP1-ROG	21 Oct 03 12:15	CCoWS	22.33	8.15	0.77	8.03				986.70	12.60	88.20	215.27			1249.31	2161.78
min			16.76	4.90	0.38	7.74	0.22	5.38	1.59	198.00	0.70	35.90	83.25	0.00		137.64	709.81
max			28.36	9.84	0.89	8.31	16.96	94.80	13.44	2019.60	21.80	975.00	3308.29	0.00		28467.07	741793.70
mean			23.18	7.41	0.59	8.05	3.04	31.49	5.47	929.43	9.68	222.38	480.51	0.00		3517.63	71041.85
median			22.50	7.50	0.53	8.08	2.07	29.10	4.37	908.82	8.35	123.50	215.27	0.00		1148.73	8911.18

Total # Samples			9	9	9	9	17	18	17	22	22	20	21	1	0	0	21	21
EPL-EPL	08 Jul 02 15:00	CCoWS	29.41	21.17	2.79	9.79	0.00	0.20	0.39	3814.80	3.50		804.43				116.03	400.37
EPL-EPL	29 Aug 02 14:15	CCoWS					0.15	0.00	0.37	3946.80	3.30	444.00	448.27				81.78	427.36
EPL-EPL	13 Sep 02 13:15	CCoWS					0.03	0.20	0.10	3742.20	1.35	1040.00	1088.56				55.00	391.43
EPL-EPL	25 Sep 02 14:00	CCoWS					0.04	0.00	-0.01	4045.80	1.17	729.00	821.80				753.33	12754.91
EPL-EPL	23 Oct 02 13:45	CCoWS	14.97	12.98	2.43	8.54	0.03	0.00	0.05	3795.00	2.20	510.00	566.26				87.00	918.88
EPL-EPL	06 Nov 02 16:30	CCoWS					0.12	-0.30	0.09	3399.00	3.10	345.00	374.46				299.54	436.58
EPL-EPL	15 Nov 02 09:10	CCoWS					4.04	-0.20	1.14	2950.20	11.00	84.30	97.53				56.00	31.97
EPL-EPL	13 Mar 03 15:50	CCoWS	19.86	6.46	1.33	7.44	2.25	0.20	2.67	1650.00	3.00	639.00	592.16				47.00	102.57
EPL-EPL	17 Mar 03 14:30	CCoWS					2.01	1.10	0.72	1320.00	7.60	154.00	137.76				182.36	390.92
EPL-EPL	19 Apr 03 14:07	CCoWS					0.09	0.00	4.01	1557.60	8.20	111.00	106.06				41.44	109.90
EPL-EPL	31 May 03 11:06	CCoWS	20.78	7.17	1.64	8.34	0.19	2.00	1.92	1907.40	6.60	139.00	170.61				73.61	53.55
EPL-EPL	10 Jun 03 12:30	CCoWS	22.57	3.88	1.78	7.92	2.69	5.40	1.46	2039.40	3.37	287.00	222.24				63.00	64.20
EPL-EPL	14 Jul 03 14:25	CCoWS								2461.80	6.40	182.00	245.47				75.00	81.75
EPL-EPL	03 Aug 03 13:37	CCoWS	24.34	9.94	1.97	8.18				2494.80	6.10	177.00	253.53				66.00	24.23
EPL-EPL	19 Sep 03 10:15	CCoWS								2329.80	21.21	605.00	829.42				83.92	97.67
EPL-EPL	21 Oct 03 12:50	CCoWS	19.27	7.45	1.94	7.70				2376.00	6.20	232.00	322.97				51.20	89.34
min			14.97	3.88	1.33	7.44	0.00	-0.30	-0.01	1320.00	1.17	84.30	97.53				41.44	24.23
max			29.41	21.17	2.79	9.79	4.04	5.40	4.01	4045.80	21.21	1040.00	1088.56				753.33	12754.91
mean			20.77	9.12	1.90	8.17	0.90	0.64	0.99	2605.78	5.62	360.16	422.30				127.86	964.70
median			20.78	7.45	1.94	8.18	0.14	0.10	0.56	2444.40	4.80	287.00	348.72				74.30	106.23
Total # Samples			7	7	7	7	12	12	12	16	16	15	16	0	0	0	16	16
TEM-PRE	01 Mar 99 15:10	CCAMP	16.40	7.98		8.42												
TEM-PRE	29 Mar 99 12:00	CCAMP	14.20	9.56		8.06	0.60	20.45	0.36				70.00					
TEM-PRE	26 Apr 99 10:40	CCAMP				8.06	0.81	22.70	0.76				47.00		240001.00	1400.00		
TEM-PRE	26 Apr 99 10:45	CCAMP	15.30	6.66		8.15												
TEM-PRE	01 Jun 99 10:05	CCAMP	17.30	9.82		8.55												
TEM-PRE	01 Jun 99 11:00	CCAMP				8.76	0.07	30.34	0.63				81.00		3000.00	500.00		
TEM-PRE	28 Jun 99 16:45	CCAMP				8.26	0.06	22.92	0.01				152.00		5000.00	900.00		
TEM-PRE	29 Jun 99 16:45	CCAMP	21.80			9.55												
TEM-PRE	06 Jul 99 04:45	CCAMP	21.60															
TEM-PRE	26 Jul 99 14:00	CCAMP	17.70	9.19		8.41	0.07	30.11	0.59				28.00		1700.00	30.00		

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TEM-PRE	27 Jul 99 06:05	CCAMP	17.48	10.54	1.20													
TEM-PRE	27 Jul 99 11:45	CCAMP	17.26	8.14	1.20													
TEM-PRE	08 Sep 99 11:20	CCAMP	17.60	5.69		8.44	0.12	23.60	0.46			71.00						
TEM-PRE	27 Sep 99 14:15	CCAMP	21.70			8.55	0.05	13.26	0.40			77.00						
TEM-PRE	27 Sep 99 14:25	CCAMP				8.61	0.05	13.26	0.40			78.00						
TEM-PRE	06 Oct 99 04:00	CCAMP	19.20	7.52														
TEM-PRE	01 Nov 99 14:50	CCAMP	16.40	6.00		8.08	2.38	8.31	1.09			87.00	4900.00	490.00				
TEM-PRE	06 Dec 99 11:30	CCAMP				7.94	1.07	10.56	0.46			54.00	2400.00	240.00				
TEM-PRE	10 Jan 00 10:45	CCAMP				8.53	0.16	11.82	0.17	1260.00		58.00	5400.00	240.00				
TEM-PRE	07 Feb 00 10:45	CCAMP	13.40	8.39		8.18	0.82	40.00	0.66	1380.00		74.00	35000.00	2300.00				
TEM-PRE	07 Mar 00 14:10	CCAMP				7.96	0.27	11.87	0.50	553.00		266.00						
min			13.40	5.69	1.20	7.94	0.05	8.31	0.01	553.00		28.00	1700.00	30.00				
max			21.80	10.54	1.20	9.55	2.38	40.00	1.09	1380.00		266.00	240001.00	2300.00				
mean			17.67	8.14	1.20	8.38	0.50	19.94	0.50	1064.33		87.92	37175.13	762.50				
median			17.39	8.14	1.20	8.41	0.16	20.45	0.46	1260.00		74.00	4950.00	495.00				
Total # Samples			14	11	2	17	13	13	13	3	0	0	13	0	8	8	0	0
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TEM-MOL	08 Mar 00 12:36	CCoWS																
TEM-MOL	12 Nov 01 13:31	CCoWS																
TEM-MOL	01 Jul 02 16:50	CCoWS																
TEM-MOL	02 Jul 02 09:54	CCoWS	24.14	33.62	1.03													
TEM-MOL	02 Jul 02 09:54	CCoWS	24.04	32.53	1.03													
TEM-MOL	02 Jul 02 09:54	CCoWS	23.87	37.71	1.11													
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TEM-MOL	03 Jul 02 16:20	CCoWS	18.58	19.16	1.54													
TEM-MOL	03 Jul 02 16:20	CCoWS	19.78	0.84	25.95													
TEM-MOL	29 Jun 04 09:45	CCoWS	18.87	8.59	3.15	8.02												
min			18.58	0.84	1.03	8.02	0.00	18.98	0.00	2105.40	3.00		2.25	0.00				
max			24.14	37.71	25.95	8.02	0.06	28.00	0.94	2190.00	9.60		165.37	0.00				
mean			21.55	22.07	5.63	8.02	0.03	23.49	0.47	2147.70	6.13		83.81	0.00				
median			21.83	25.85	1.33	8.02	0.03	23.49	0.47	2147.70	5.80		83.81	0.00				
Total # Samples			6	6	6	1	2	2	2	2	3	0	2	1	0	0	0	0
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OLS-MON	12 Nov 01 13:22	CCoWS																
OLS-MON	01 Jul 02 16:31	CCoWS																

OLS-MON	03 Jul 02 16:04	CCoWS	17.85	17.94	1.69								
OLS-MON	03 Jul 02 16:04	CCoWS	21.20	14.20	8.17								
OLS-MON	03 Jul 02 16:04	CCoWS	21.39	12.45	8.73								
OLS-MON	01 Mar 99 14:25	CCAMP	17.10			8.38					180.60		
OLS-MON	29 Mar 99 15:50	CCAMP	18.00	12.32		7.83	0.41	15.51	0.56		74.40	82.00	
OLS-MON	26 Apr 99 09:55	CCAMP				8.21	0.57	24.72	0.53		20.00	28.00	5000.00 130.00
OLS-MON	01 Jun 99 10:30	CCAMP				8.90	0.09	18.65	0.01		190.00	402.00	500.00 50.00
OLS-MON	28 Jun 99 15:55	CCAMP				8.50	0.12	5.62	0.05		130.00	279.00	1600.00 300.00
OLS-MON	28 Jun 99 16:05	CCAMP				8.47	0.14	5.62	0.06		125.00	329.00	1700.00 300.00
OLS-MON	29 Jun 99 15:55	CCAMP	22.00	8.56		9.04					136.10		
OLS-MON	26 Jul 99 13:30	CCAMP	17.80	7.63		9.11	0.11	13.48	0.02		200.00	578.00	2100.00 500.00
OLS-MON	27 Jul 99 05:30	CCAMP	16.42	5.43	2.00								
OLS-MON	27 Jul 99 11:10	CCAMP	12.87	7.98	2.00								
OLS-MON	08 Sep 99 10:45	CCAMP	17.00	3.58		8.71	0.24	10.34	0.15		21.00	554.00	
OLS-MON	27 Sep 99 13:35	CCAMP	21.20	7.89		8.94	0.08	4.72	0.16		124.00	276.00	
OLS-MON	06 Oct 99 04:35	CCAMP	15.30	1.83									
OLS-MON	01 Nov 99 14:15	CCAMP	17.60	6.70		9.16	0.03	6.07	0.00		34.00	96.00	3300.00 230.00
OLS-MON	06 Dec 99 10:50	CCAMP				8.42	0.05	1.19	0.06		19.00	40.00	5400.00 350.00
OLS-MON	10 Jan 00 10:15	CCAMP				8.26	0.07	2.36	0.12	1200.00	60.00	108.00	2400.00 490.00
OLS-MON	07 Feb 00 10:00	CCAMP	12.70	8.95		8.19	0.73	29.89	0.63	1720.00	35.00	57.50	24000.00 1750.00
OLS-MON	07 Mar 00 13:40	CCAMP	11.50	9.91		7.97	0.30	11.12	0.59	567.00	170.00	212.00	
OLS-MON	26 Apr 01 11:00	CCAMP	16.59	7.66	12.58	7.81	0.27	42.47	0.52	13000.00	62.00	27.00	11000.00 7000.00
OLS-MON	31 May 01 11:00	CCAMP	21.69	5.98	1.77	8.25	0.06	9.48	0.05	1640.00	154.30	160.00	35000.00 4600.00
OLS-MON	28 Jun 01 09:30	CCAMP	19.64	5.00	3.26	8.52	0.07	10.47	0.05	3580.00	92.70	76.00	24000.00 24000.00
OLS-MON	06 Jul 01 05:28	CCAMP	18.14	5.59	2.28	8.57					197.30		
OLS-MON	25 Jul 01 10:23	CCAMP	18.86	6.64	4.69	8.74	0.16	13.28	0.16	5150.00	63.80	62.00	24000.00 24000.00
OLS-MON	29 Aug 01 02:46	CCAMP	15.89	11.08	-0.02	9.12					136.00		
OLS-MON	30 Aug 01 09:19	CCAMP	17.02	7.11	2.21	9.09	0.05	25.39	0.02	2570.00	75.30	78.00	13000.00 1100.00
OLS-MON	18 Sep 01 10:11	CCAMP	16.22	6.86	1.95	8.63	0.09	18.56	0.06	2170.00	227.30	230.00	9200.00 5400.00
OLS-MON	16 Oct 01 10:44	CCAMP	15.76	5.72	4.58	7.79					194.20		16000.00 16000.00
OLS-MON	13 Nov 01 10:21	CCAMP	15.20	5.27	0.29	7.36					648.20		240000.00 92000.00
OLS-MON	20 Dec 01 09:41	CCAMP	9.69	11.81	5.03	8.07					16.00		900.00 30.00
OLS-MON	21 Jan 02 11:00	CCAMP	8.89	10.81	2.05	7.78					64.60		
min			8.89	1.83	-0.02	7.36	0.00	1.19	0.00	567.00	7.40	27.00	500.00 30.00
max			22.00	17.94	12.58	9.16	0.73	42.47	0.63	13000.00	11.20	578.00	240000.00 92000.00

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mean	16.80	8.27	3.72	8.44	0.19	14.71	0.20	3788.67	9.30		192.75		23283.33	9901.67		
median	17.02	7.65	2.21	8.47	0.11	12.88	0.06	2570.00	9.30		134.00		7300.00	800.00		
Total # Samples	27	26	17	27	7	21	21	21	11	2	27	20	18	18	18	0
OLS-POT 26 Apr 99 09:45	CCAMP	13.50	9.62		8.58								1700.00	26.00		
OLS-POT 01 Jun 99 08:30	CCAMP	17.20	7.59		8.37											
OLS-POT 01 Jun 99 09:20	CCAMP					0.90	22.02	0.27			191.00		22000.00	300.00		
OLS-POT 28 Jun 99 15:40	CCAMP				8.80	0.07	14.38	0.13			169.00		5000.00	170.00		
OLS-POT 29 Jun 99 11:40	CCAMP	18.70	10.46		8.99											
OLS-POT 06 Jul 99 04:35	CCAMP	16.40	4.35													
OLS-POT 26 Jul 99 13:00	CCAMP	16.20	6.64		8.35	0.07	22.47	0.24			102.00		2400.00	110.00		
OLS-POT 26 Jul 99 13:15	CCAMP				8.51	0.08	23.15	0.25			115.00		900.00	140.00		
OLS-POT 27 Jul 99 05:15	CCAMP	16.97	4.52	7.10												
OLS-POT 27 Jul 99 11:00	CCAMP	17.30	4.06	22.00												
OLS-POT 08 Sep 99 10:30	CCAMP				8.67	0.06	19.10	0.33			108.00					
OLS-POT 08 Sep 99 17:15	CCAMP	15.80	4.79		7.82											
OLS-POT 27 Sep 99 13:20	CCAMP	19.60	6.75		8.77	0.04	4.27	0.17			47.00					
OLS-POT 06 Oct 99 04:45	CCAMP	16.20	2.63													
OLS-POT 01 Nov 99 15:30	CCAMP	16.40	9.65		8.55	0.03	0.79	0.11			62.00		3300.00	490.00		
OLS-POT 06 Dec 99 10:30	CCAMP				8.36	0.04	1.35	0.08			45.00					
OLS-POT 06 Dec 99 10:45	CCAMP				8.34	0.07	1.28	0.08			42.00		3500.00	240.00		
OLS-POT 10 Jan 00 09:45	CCAMP				8.36	0.08	11.80	0.24	2020.00		57.00		790.00	490.00		
OLS-POT 07 Feb 00 09:45	CCAMP	13.20	8.79		8.24	0.54	27.87	0.59	3560.00		36.70		92000.00	54000.00		
OLS-POT 07 Mar 00 13:30	CCAMP	11.10	9.49		7.91	0.34	10.22	0.53	1860.00		170.00					
OLS-POT 12 Nov 01 14:07	CCoWS					0.20	12.20	0.50	10104.60	10.30	123.72					
OLS-POT 01 Jul 02 15:19	CCoWS	19.56	22.69	18.65		0.01	3.70	0.00	8.80	8.80	253.81					
OLS-POT 03 Jul 02 07:37	CCoWS	16.38	17.50	3.73												
OLS-POT 09 Jul 02 10:45	CCoWS	21.82	21.31	4.92	9.02	0.05	0.60	0.07	9.34	10.40	157.98				114.73	104.06
OLS-POT 29 Aug 02 09:45	CCoWS					0.00	19.70	0.64	3841.20	16.00	44.80	53.08			64.46	120.80
OLS-POT 13 Sep 02 10:48	CCoWS					0.03	31.30	0.34	4818.00	10.40	53.40	43.85			54.21	214.81
OLS-POT 25 Sep 02 10:00	CCoWS					0.00	4.95	0.29	6831.00	12.50	53.00	91.01			45.61	112.96
OLS-POT 22 Oct 02 15:20	CCoWS	14.60	8.49	5.23	8.16	0.21	6.90	0.23	10758.00	13.90	47.10	107.95			123.19	493.60
OLS-POT 08 Nov 02 18:32	CCoWS					0.73	9.30	0.73	1485.00	3.00	233.00	296.76			236.55	410.95
OLS-POT 11 Nov 02 11:00	CCoWS					0.14	0.40	0.22		19.00	41.00	118.02			120.41	167.31
OLS-POT 11 Nov 02 12:30	CCoWS					0.10	0.00	0.07		26.50	13.10	9.32				

OLS-POT	14 Feb 03 15:50	CCoWS						0.46	17.20	0.40	10018.80	8.80	115.00	241.02		117.56	211.07		
OLS-POT	19 Feb 03 14:50	CCoWS						0.11	0.60	0.55	6514.20	17.00	40.80	108.97		131.27	65.00		
OLS-POT	20 Feb 03 17:15	CCoWS						0.08	1.00	0.16	6514.20	17.00	40.80	108.97		111.62	256.36		
OLS-POT	12 Mar 03 13:25	CCoWS	20.94	9.38	12.52	7.84		0.22	8.70	0.78	1016.40	4.10	427.00	550.12		87.60	421.99		
OLS-POT	17 Mar 03 15:30	CCoWS						0.29	5.00	0.31	666.60	3.90	4869.00	379.06		135.36	394.34		
OLS-POT	19 Apr 03 08:55	CCoWS						1.17	21.20	0.75	548.46	8.60	103.00	136.00		70084.21	86549.65		
OLS-POT	31 May 03 11:40	CCoWS	21.30	7.48	1.47	8.19		0.54	27.60	1.47	518.76	10.80	76.40	97.70		60.16	262.53		
OLS-POT	09 Jun 03 13:00	CCoWS	20.11	11.30	6.98	8.31		0.01	16.30	0.72	7.19	3.19	303.00	328.55		59.00	100.58		
OLS-POT	15 Jul 03 15:10	CCoWS	22.54	10.38	11.50	8.41					1279.74	8.80	116.00	439.58		84.00	64.16		
OLS-POT	04 Aug 03 09:54	CCoWS	21.76	7.30	3.79	8.16					452.76	11.20	66.00	107.95		62.30	26.50		
OLS-POT	19 Sep 03 12:15	CCoWS									1444.08	23.40	31.50	168.88		107.86	128.84		
OLS-POT	21 Oct 03 14:30	CCoWS	18.74	8.66	5.54	8.00					9167.40	24.00	20.60	90.96		55.10	84.35		
OLS-POT	30 Jun 04 10:51	CCoWS	19.97	9.24	15.34	7.92													
min			11.10	2.63	1.47	7.41	0.00	0.00	0.00		7.19	3.00	13.10	9.32		790.00	26.00	45.61	26.50
max			22.54	22.69	31.33	9.02	1.17	31.30	1.47		31230.00	26.50	4869.00	550.12		92000.00	54000.00	70084.21	86549.65
mean			17.70	8.99	14.30	8.27	0.22	11.51	0.38		7673.60	12.35	352.34	151.70		14621.11	6218.44	3781.85	4746.84
median			17.09	8.58	12.52	8.31	0.08	9.76	0.28		5719.00	10.60	53.40	108.97		3300.00	240.00	107.86	167.31
Total # Samples			22	22	12	23	30	30	30	23	22	19	34	0	9	9	19	19	
Total # of Samples All Sites			412	407	91	406	461	701	660	568	440	206	669	142	202	202	96	78	

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Appendix F – Watershed Quality Assurance and Project Plan and Monitoring Plan: Invertebrate Sampling

The QAPP and MP were produced as a separate document that was finalized, submitted to SWRCB, and approved in mid 2004.

Appendix G – Submission of data to STORET database

All water quality data collected as part of the project has been submitted to the U.S. Environmental Protection Agency's STORET database (i.e. MS Excel files were submitted for this purpose by FCSUMB to MCWRA and thence to SWRCB).