Priority Development Project (PDP)
Storm Water Quality Management Plan (SWQMP)

Collection at Cactus

PRJ# 1111415

[Insert Drawing Number (if applicable) and Internal Order Number (if applicable)]

☐ **Check if electing for offsite alternative compliance**

Engineer of Work:

Chelisa Pack, PE, RCE 71026

Provide Wet Signature and Stamp Above Line

Prepared For:

JPI

11988 El Camino Real, Suite 200

San Diego, CA 92130

314-302-2469

Prepared By:

PROJECT DESIGN CONSULTANTS
a Bowman company

701 B Street, Suite 800
San Diego, CA 92101
619.235.6471

Project Design Consultants

701 B Street, Suite 800

San Diego, CA, 92101

619-235-6471

Date:

11/25/2024

Approved by: City of San Diego Date

The City of SAN DIEGO

Written by: J. Maynard
Job No. 4481/ 360107-01-010
Q:\CA-SAND-PD\Projects\4481\Engr\Reports\TM\SWQMP

Project Name: Collection at Cactus

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    - Maintenance Agreement (Form DS-3247) (when applicable)
- Attachment 4: Copy of Plan Sheets Showing Permanent Storm Water BMPs
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Acronyms

APN	Assessor's Parcel Number
ASBS	Area of Special Biological Significance
BMP	Best Management Practice
CEQA	California Environmental Quality Act
CGP	Construction General Permit
DCV	Design Capture Volume
DMA	Drainage Management Areas
ESA	Environmentally Sensitive Area
GLU	Geomorphic Landscape Unit
GW	Ground Water
HMP	Hydromodification Management Plan
HSG	Hydrologic Soil Group
HU	Harvest and Use
INF	Infiltration
LID	Low Impact Development
LUP	Linear Underground/Overhead Projects
MS4	Municipal Separate Storm Sewer System
N/A	Not Applicable
NPDES	National Pollutant Discharge Elimination System
NRCS	Natural Resources Conservation Service
PDP	Priority Development Project
PE	Professional Engineer
POC	Pollutant of Concern
SC	Source Control
SD	Site Design
SDRWQCB	San Diego Regional Water Quality Control Board
SIC	Standard Industrial Classification
SWPPP	Stormwater Pollutant Protection Plan
SWQMP	Storm Water Quality Management Plan
TMDL	Total Maximum Daily Load
WMAA	Watershed Management Area Analysis
WPCP	Water Pollution Control Program
WQIP	Water Quality Improvement Plan

Certification Page

Project Name:
Permit Application

I hereby declare that I am the Engineer in Responsible Charge of design of storm water BMPs for this project, and that I have exercised responsible charge over the design of the project as defined in Section 6703 of the Business and Professions Code, and that the design is consistent with the requirements of the Storm Water Standards, which is based on the requirements of SDRWQCB Order No. R9-2013-0001 as amended by R9-2015-0001 and R9-2015-0100 (MS4 Permit).

I have read and understand that the City Engineer has adopted minimum requirements for managing urban runoff, including storm water, from land development activities, as described in the Storm Water Standards. I certify that this PDP SWQMP has been completed to the best of my ability and accurately reflects the project being proposed and the applicable source control and site design BMPs proposed to minimize the potentially negative impacts of this project's land development activities on water quality. I understand and acknowledge that the plan check review of this PDP SWQMP by the City Engineer is confined to a review and does not relieve me, as the Engineer in Responsible Charge of design of storm water BMPs for this project, of my responsibilities for project design.

Engineer of Work's Signature

71026 | 06/30/2025

PE# | Expiration Date

Chelisa Pack

Print Name

Project Design Consultants, a Bowman Company

Company

Date

Engineer's Stamp

Project Name: Collection at Cactus

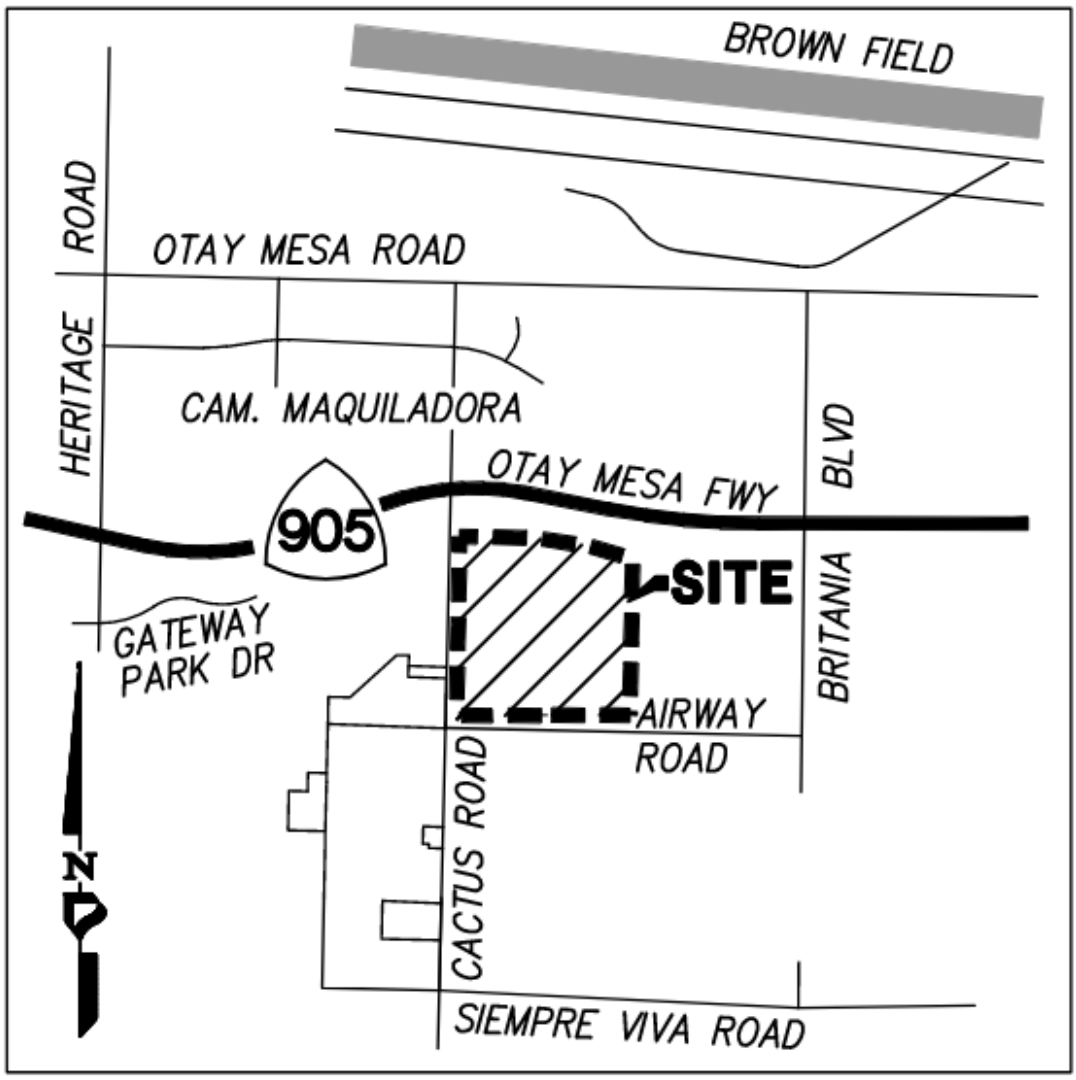
Submittal Record

Use this Table to keep a record of submittals of this PDP SWQMP. Each time the PDP SWQMP is re-submitted, provide the date and status of the project. In last column indicate changes that have been made or indicate if response to plancheck comments is included. When applicable, insert response to plancheck comments.

Submittal Number	Date	Project Status	Changes
1	1/29/2024	☑ **Preliminary Design/Planning/CEQA** ☐ **Final Design**	**Initial Submittal**
2	8/8/2024	☑ **Preliminary Design/Planning/CEQA** ☐ **Final Design**	2nd Submittal
3	11/25/2024	☑ **Preliminary Design/Planning/CEQA** ☐ **Final Design**	3rd Submittal
4		☐ **Preliminary Design/Planning/CEQA** ☐ **Final Design**	

Project Vicinity Map

Project Name: Collection at Cactus
Permit Application PRJ# 1111415



VICINITY MAP

NO SCALE

City of San Diego Form DS-560 Storm Water Requirements Applicability Checklist

Attach DS-560 form.

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Development Services

THE CITY OF SAN DIEGO

FORM
DS-560
September 2021

Stormwater Requirements Applicability Checklist

Project Address: Cactus Road, San Diego, CA 92154 **Project Number:** 1111415

SECTION 1: Construction Stormwater Best Management Practices (BMP) Requirements

All construction sites are required to implement construction BMPs per the performance standards in the Stormwater Standards Manual. Some sites are also required to obtain coverage under the State Construction General Permit (CGP)[1], administered by the California State Water Resources Control Board.

For all projects, complete Part A - If the project is required to submit a Stormwater Pollution Prevention Plan (SWPPP) or Water Pollution Control Plan (WPCP), continue to Part B.

PART A – Determine Construction Phase Stormwater Requirements

1. Is the project subject to California's statewide General National Pollutant Discharge Elimination System (NPDES) permit for Stormwater Discharges Associated with Construction Activities, also known as the State Construction General Permit (CGP)? (Typically projects with land disturbance greater than or equal to 1 acre.)

   ◉ Yes, SWPPP is required; skip questions 2-4. ○ No; proceed to the next question.

2. Does the project propose construction or demolition activity, including but not limited to, clearing, grading, grubbing, excavation, or any other activity resulting in ground disturbance and/or contact with stormwater?

   ○ Yes, WPCP is required; skip questions 3-4. ○ No; proceed to the next question.

3. Does the project propose routine maintenance to maintain the original line and grade, hydraulic capacity, or original purpose of the facility? (Projects such as pipeline/utility replacement)

   ○ Yes, WPCP is required; skip question 4. ○ No; proceed to the next question.

4. Does the project only include the following Permit types listed below?

   - Electrical Permit, Fire Alarm Permit, Fire Sprinkler Permit, Plumbing Permit, Sign Permit, Mechanical Permit, Spa Permit.
   - Individual Right of Way Permits that exclusively include only ONE of the following activities: water service, sewer lateral, or utility service.
   - Right of Way Permits with a project footprint less than 150 linear feet that exclusively include only ONE of the following activities: curb ramp, sidewalk and driveway apron replacement, potholing, curb and gutter replacement, and retaining wall encroachments.

   ☐ Yes, no document is required.

Check one of the boxes below and continue to Part B

◉ **If you checked "Yes" for question 1**, an SWPPP is REQUIRED – **continue to Part B**

○ **If you checked "No" for question 1 and checked "Yes" for question 2 or 3**, a WPCP is REQUIRED. If the project proposes less than 5,000 square feet of ground disturbance AND has less than a 5-foot elevation change over the entire project area, a Minor WPCP may be required instead. **Continue to Part B**

○ **If you check "No" for all questions 1-3 and checked "Yes" for question 4,** Part B does not apply, and no document is required. **Continue to Section 2.**

[1] More information on the City's construction BMP requirements as well as CGP requirements can be found at http://www.sandiego.gov/stormwater/regulations/index.shtml

CLEAR FORM

PART B – Determine Construction Site Priority

This prioritization must be completed within this form, noted on the plans, and included in the SWPPP or WPCP. The city reserves the right to adjust the priority of projects both before and after construction. Construction projects are assigned an inspection frequency based on if the project has a "high threat to water quality." The City has aligned the local definition of "high threat to water quality" to the risk determination approach of the State Construction General Permit (CGP). The CGP determines risk level based on project specific sediment risk and receiving water risk. Additional inspection is required for projects within the Areas of Special Biological Significance (ASBS) watershed. **NOTE:** The construction priority does **NOT** change construction BMP requirements that apply to projects; rather, it determines the frequency of inspections that will be conducted by city staff.

Complete Part B and continue to Section 2

☐ **1. ASBS**

A. Projects located in the ASBS watershed.

☑ **2. High Priority**

A. Projects that qualify as Risk Level 2 or Risk Level 3 per the Construction General Permit (CGP) and are not located in the ASBS watershed.
B. Projects that qualify as LUP Type 2 or LUP Type 3 per the CGP and are not located in the ASBS watershed.

☐ **3. Medium Priority**

A. Projects that are not located in an ASBS watershed or designated as a High priority site.
B. Projects that qualify as Risk Level 1 or LUP Type 1 per the CGP and are not located in an ASBS watershed.
C. WPCP projects (>5,000 square feet of ground disturbance) located within the Los Peñasquitos watershed management area.

☐ **4. Low Priority**

A. Projects not subject to a Medium or High site priority designation and are not located in an ASBS watershed.

Section 2: Construction Stormwater BMP Requirements

Additional information for determining the requirements is found in the Stormwater Standards Manual.

PART C – Determine if Not Subject to Permanent Stormwater Requirements

Projects that are considered maintenance or otherwise not categorized as "new development projects" or "redevelopment projects" according to the Stormwater Standards Manual are not subject to Permanent Stormwater BMPs.

- **If "yes" is checked for any number in Part C**: Proceed to Part F and check "Not Subject to Permanent Stormwater BMP Requirements."
- **If "no" is checked for all the numbers in Part C:** Continue to Part D.

1. Does the project only include interior remodels and/or is the project entirely within an existing enclosed structure and does not have the potential to contact stormwater?

   ○ Yes ◉ No

2. Does the project only include the construction of overhead or underground utilities without creating new impervious surfaces?

   ○ Yes ◉ No

3. Does the project fall under routine maintenance? Examples include but are not limited to roof or exterior structure surface replacement, resurfacing or reconfiguring surface parking lots or existing roadways without expanding the impervious footprint, and routine replacement of damaged pavement (grinding, overlay and pothole repair).

   ○ Yes ◉ No

CLEAR FORM

PART D – PDP Exempt Requirements

PDP Exempt projects are required to implement site design and source control BMPs.

- **If "yes" is checked for any questions in Part D**, continue to Part F and check the box labeled "PDP Exempt."
- **If "no" is checked for all questions in Part D**, continue to Part E.

1. Does the project ONLY include new or retrofit sidewalks, bicycle lanes, or trails that:
   - Are designed and constructed to direct stormwater runoff to adjacent vegetated areas, or other non-erodible permeable areas? Or;
   - Are designed and constructed to be hydraulically disconnected from paved streets and roads? Or;
   - Are designed and constructed with permeable pavements or surfaces in accordance with the Green Streets guidance in the City's Stormwater Standards manual?

   ○ Yes, PDP exempt requirements apply ◉ No, proceed to next question

2. Does the project ONLY include retrofitting or redeveloping existing paved alleys, streets or roads designed and constructed in accordance with the Green Streets guidance in the City's Stormwater Standards Manual?

   ○ Yes, PDP exempt requirements apply ◉ No, proceed to next question

PART E – Determine if Project is a Priority Development Project (PDP)

Projects that match one of the definitions below are subject to additional requirements, including preparation of a Stormwater Quality Management Plan (SWQMP).

- **If "yes" is checked for any number in Part E**, continue to Part F and check the box labeled "Priority Development Project."
- **If "no" is checked for every number in Part E**, continue to Part F and check the box labeled "Standard Development Project."

1. **New development that creates 10,000 square feet or more of impervious surfaces collectively over the project site.** This includes commercial, industrial, residential, mixed-use, and public development projects on public or private land. ◉ Yes ○ No

2. **Redevelopment project that creates and/or replaces 5,000 square feet or more of impervious surfaces on an existing site of 10,000 square feet or more of impervious surfaces.** This includes commercial, industrial, residential, mixed-use, and public development projects on public or private land. ○ Yes ◉ No

3. **New development or redevelopment of a restaurant.** Facilities that sell prepared foods and beverages for consumption, including stationary lunch counters and refreshment stands selling prepared foods and drinks for immediate consumption (Standard Industrial Classification (SIC) 5812), and where the land development creates and/or replaces 5,000 square feet or more of impervious surface. ○ Yes ◉ No

4. **New development or redevelopment on a hillside.** The project creates and/or replaces 5,000 square feet or more of impervious surface (collectively over the project site) and where the development will grade on any natural slope that is twenty-five percent or greater. ○ Yes ◉ No

5. **New development or redevelopment of a parking lot that creates and/or replaces 5,000 square feet or more of impervious surface (collectively over the project site).** ◉ Yes ○ No

6. **New development or redevelopment of streets, roads, highways, freeways, and driveways.** The project creates and/or replaces 5,000 square feet or more of impervious surface (collectively over the project site). ◉ Yes ○ No

CLEAR FORM

7. **New development or redevelopment discharging directly to an environmentally sensitive area.** The project creates and/or replaces 2,500 square feet of impervious surface (collectively over the project site), and discharges directly to an Environmentally Sensitive Area (ESA). "Discharging directly to" includes flow that is conveyed overland a distance of 200 feet or less from the project to the ESA, or conveyed in a pipe or open channel any distance as an isolated flow from the project to the ESA (i.e. not commingled with flows from adjacent lands). ○ Yes ◉ No

8. **New development or redevelopment projects of retail gasoline outlet (RGO) that create and/or replaces 5,000 square feet of impervious surface.** The development project meets the following criteria: (a) 5,000 square feet or more or (b) has a projected Average Daily Traffic (ADT) of 100 or more vehicles per day. ○ Yes ◉ No

9. **New development or redevelopment projects of an automotive repair shop that creates and/or replaces 5,000 square feet or more of impervious surfaces.** Development projects categorized in any one of Standard Industrial Classification (SIC) codes 5013, 5014, 5541, 7532-7534 or 7536-7539. ○ Yes ◉ No

10. **Other Pollutant Generating Project.** These projects are not covered in any of the categories above but involve the disturbance of one or more acres of land and are expected to generate post-construction phase pollutants, including fertilizers and pesticides. This category does not include projects creating less than 5,000 square feet of impervious area and projects containing landscaping without a requirement for the regular use of fertilizers and pesticides (such as a slope stabilization project using native plants). Impervious area calculations need not include linear pathways for infrequent vehicle use, such as emergency maintenance access or bicycle and pedestrian paths if the linear pathways are built with pervious surfaces or if runoff from the pathway sheet flows to adjacent pervious areas. ○ Yes ◉ No

PART F – Select the appropriate category based on the outcomes of Part C through Part E

1. The project is **NOT SUBJECT TO PERMANENT STORMWATER REQUIREMENTS** ○ Yes ◉ No

2. The project is a **STANDARD DEVELOPMENT PROJECT**. Site design and source control BMP requirements apply. See the Stormwater Standards Manual for guidance. ○ Yes ◉ No

3. The Project is **PDP EXEMPT**. Site design and source control BMP requirements apply. Refer to the Stormwater Standards Manual for guidance. ○ Yes ◉ No

4. The project is a **PRIORITY DEVELOPMENT PROJECT**. Site design, source control and structural pollutant control BMP requirements apply. Refer to the Stormwater Standards Manual for guidance on determining if the project requires hydromodification plan management. ◉ Yes ○ No

Chelisa Pack at Bowman (Agent for client)	Senior Project Manager, Civil
Name of Owner or Agent	**Title**
	11/25/2024
Signature	**Date**

CLEAR FORM

Applicability of Permanent, Post-Construction Storm Water BMP Requirements	Form I-1

Project Identification

Project Name: Collection at Cactus

Permit Application Number: PRJ # 1111415 | Date: 11/25/2024

Determination of Requirements

The purpose of this form is to identify permanent, post-construction requirements that apply to the project. This form serves as a short summary of applicable requirements, in some cases referencing separate forms that will serve as the backup for the determination of requirements.

Answer each step below, starting with **Step 1** and progressing through each step until reaching "Stop". Refer to the manual sections and/or separate forms referenced in each step below.

Step	Answer	Progression
Step 1: Is the project a "development project"? See Section 1.3 of the manual (Part 1 of Storm Water Standards) for guidance.	☑ Yes	Go to **Step 2**.
	☐ No	**Stop**. Permanent BMP requirements do not apply. No SWQMP will be required. Provide discussion below.
Discussion / justification if the project is not a "development project" (e.g., the project includes *only* interior remodels within an existing building):		
Step 2: Is the project a Standard Project, PDP, or PDP Exempt? To answer this item, see Section 1.4 of the manual in its entirety for guidance AND complete Form DS-560, Storm Water Requirements Applicability Checklist.	☐ Standard Project	**Stop.** Standard Project requirements apply
	☑ PDP	PDP requirements apply, including PDP SWQMP. Go to **Step 3**.
	☐ PDP Exempt	**Stop.** Standard Project requirements apply. Provide discussion and list any additional requirements below.
Discussion / justification, and additional requirements for exceptions to PDP definitions, if applicable:		

Project Name: Collection at Cactus

Form I-1 Page 2 of 2		
Step	**Answer**	**Progression**
Step 3. Is the project subject to earlier PDP requirements due to a prior lawful approval? See Section 1.10 of the manual (Part 1 of Storm Water Standards) for guidance.	☐ Yes	Consult the City Engineer to determine requirements. Provide discussion and identify requirements below. Go to **Step 4**.
	☑ No	BMP Design Manual PDP requirements apply. Go to **Step 4**.
Discussion / justification of prior lawful approval, and identify requirements (not required if prior lawful approval does not apply):		
Step 4. Do hydromodification control requirements apply? See Section 1.6 of the manual (Part 1 of Storm Water Standards) for guidance.	☑ Yes	PDP structural BMPs required for pollutant control (Chapter 5) and hydromodification control (Chapter 6). Go to **Step 5**.
	☐ No	**Stop**. PDP structural BMPs required for pollutant control (Chapter 5) only. Provide brief discussion of exemption to hydromodification control below.
Discussion / justification if hydromodification control requirements do not apply:		
Step 5. Does protection of critical coarse sediment yield areas apply? See Section 6.2 of the manual (Part 1 of Storm Water Standards) for guidance.	☐ Yes	Management measures required for protection of critical coarse sediment yield areas (Chapter 6.2). **Stop**.
	☑ No	Management measures not required for protection of critical coarse sediment yield areas. Provide brief discussion below. **Stop**.
Discussion / justification if protection of critical coarse sediment yield areas does not apply: There are no Critical Coarse Sediment Yield Areas in project boundary.		

HMP Exemption Exhibit

Attach a HMP Exemption Exhibit that shows direct storm water runoff discharge from the project site to HMP exempt area. Include project area, applicable underground storm drain line and/or concrete lined channels, outfall information and exempt waterbody.
Reference applicable drawing number(s).

Exhibit must be provided on 11"x17" or larger paper.

N/A

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Site Information Checklist For PDPs	Form I-3B

Project Summary Information	
Project Name	Collection at Cactus
Project Address	Cactus Road and Airway Road San Diego, CA 92154
Assessor's Parcel Number(s) (APN(s))	646-100-77
Permit Application Number	PRJ# 1111415
Project Watershed	Select One: ☐ San Dieguito River ☐ Penasquitos ☐ Mission Bay ☐ San Diego River ☐ San Diego Bay ☑ Tijuana River
Hydrologic subarea name with Numeric Identifier up to two decimal places (9XX.XX)	Water Tanks 911.12
Project Area (total area of Assessor's Parcel(s) associated with the project or total area of the right-of-way)	39.62 Acres (1,725,800 Square Feet)
Area to be disturbed by the project (Project Footprint)	38.00 Acres (1,655,338 Square Feet)
Project Proposed Impervious Area (subset of Project Footprint)	36.10 Acres (1,572,572 Square Feet)
Project Proposed Pervious Area (subset of Project Footprint)	1.90 Acres (82,767 Square Feet)
Note: Proposed Impervious Area + Proposed Pervious Area = Area to be Disturbed by the Project. This may be less than the Project Area.	
The proposed increase or decrease in impervious area in the proposed condition as compared to the pre-project condition	95 %

Form I-3B Page 2 of 11

Description of Existing Site Condition and Drainage Patterns

Current Status of the Site (select all that apply):

- ☐ Existing development
- ☐ Previously graded but not built out
- ☐ Agricultural or other non-impervious use
- ☑ Vacant, undeveloped/natural

Description / Additional Information:

The current site is undeveloped raw land with no structures or infrastructure on the site

Existing Land Cover Includes (select all that apply):

- ☑ Vegetative Cover
- ☐ Non-Vegetated Pervious Areas
- ☐ Impervious Areas

Description / Additional Information:

Based on a review of historical aerial photographs, previous land uses include cultivation of small orchards and farmland.

Underlying Soil belongs to Hydrologic Soil Group (select all that apply):

- ☐ NRCS Type A
- ☐ NRCS Type B
- ☐ NRCS Type C
- ☑ NRCS Type D

Approximate Depth to Groundwater:

- ☐ Groundwater Depth < 5 feet
- ☐ 5 feet < Groundwater Depth < 10 feet
- ☐ 10 feet < Groundwater Depth < 20 feet
- ☑ Groundwater Depth > 20 feet

Existing Natural Hydrologic Features (select all that apply):

- ☑ Watercourses
- ☐ Seeps
- ☐ Springs
- ☐ Wetlands
- ☐ None

Description / Additional Information:

For further information refer to the drainage study prepared by PDC.

Form I-3B Page 3 of 11

Description of Existing Site Topography and Drainage

How is storm water runoff conveyed from the site? At a minimum, this description should answer:

1. Whether existing drainage conveyance is natural or urban;
2. If runoff from offsite is conveyed through the site? If yes, quantification of all offsite drainage areas, design flows, and locations where offsite flows enter the project site and summarize how such flows are conveyed through the site;
3. Provide details regarding existing project site drainage conveyance network, including storm drains, concrete channels, swales, detention facilities, storm water treatment facilities, and natural and constructed channels;
4. Identify all discharge locations from the existing project along with a summary of the conveyance system size and capacity for each of the discharge locations. Provide summary of the pre-project drainage areas and design flows to each of the existing runoff discharge locations.

Descriptions/Additional Information

1. The existing drainage is natural.

2. A significant amount of runoff from offsite is not conveyed through the site. The channel that conveys offsite Caltrans runoff from the north to the culvert crossing Cactus Road is generally outside the project boundary. The site drains to the northwest corner of the site, where there is a proposed tie in to an existing 48" storm drain.

3. The property is characterized by gently sloping topography, draining from the southeast to the northwest to a drainage channel running parallel to the east-bound lanes of the 905 freeway. Topography within the project site is characterized by mostly gently sloping terrain. The project area drains to the northwest to a canyon (North tributary of Spring Canyon). The project drains to the northwest and drains into a culvert underneath Cactus Road. After crossing Cactus Road, the runoff enters an improved trapezoidal channel per Drawing 37010-D on the Sesi Property and drains westerly towards Spring Canyon.

4. The majority of the project discharges towards the northwest corner of the site, to an existing 48" storm drain.

Refer to the project drainage study prepared by PDC for additional information.

Form I-3B Page 4 of 11

Description of Proposed Site Development and Drainage Patterns

Project Description / Proposed Land Use and/or Activities:

The Collection at Cactus site is a mixed-use, multifamily residential development in the south County San Diego, south of State Route 905 and Montgomery Field. The Collection will consist of 4 planning areas, plus a park component with a mix of 3 and 4 story building types which total 976 units across the 39.62-acre site. The project is part of the Otay Mesa Community Central Village Specific Plan that was approved by Planning commission on February 23, 2017, and adopted by City Council on April 4th, 2017.

List/describe proposed impervious features of the project (e.g., buildings, roadways, parking lots, courtyards, athletic courts, other impervious features):

The proposed impervious features of the project include the proposed units, driveways, roads, sidewalks, and hardscape area in the open space areas.

List/describe proposed pervious features of the project (e.g., landscape areas):

The proposed impervious features of the project include buildings for housing, private driveways, roads, sidewalks, parking lots, an amenities area, public roads, and hardscape area in the open space areas.

Does the project include grading and changes to site topography?

☑ Yes

☐ No

Description / Additional Information:

Form I-3B Page 5 of 11

Does the project include changes to site drainage (e.g., installation of new storm water conveyance systems)?

☑ Yes

☐ No

If yes, provide details regarding the proposed project site drainage conveyance network, including storm drains, concrete channels, swales, detention facilities, storm water treatment facilities, natural and constructed channels, and the method for conveying offsite flows through or around the proposed project site. Identify all discharge locations from the proposed project site along with a summary of the conveyance system size and capacity for each of the discharge locations. Provide a summary of pre and post-project drainage areas and design flows to each of the runoff discharge locations. Reference the drainage study for detailed calculations.

Description / Additional Information:

For the proposed project, changes to site drainage include construction of area drains and storm drain system to collect runoff from impervious areas and convey it to biofiltration basins.

The drainage pathway and drainage area will not cause any diversion. The vast majority of the area will still drain to the existing 48" storm drain.

There are small areas around the perimeter of the site that have been previously designed to drain to existing storm drain systems to the west (towards the Epoca project) and to the east (towards the Airway Gardens project). For more information please refer to the Preliminary Drainage Report.

Form I-3B Page 6 of 11

Identify whether any of the following features, activities, and/or pollutant source areas will be present (select all that apply):

- [x] Onsite storm drain inlets
- [x] Interior floor drains and elevator shaft sump pumps
- [ ] Interior parking garages
- [x] Need for future indoor & structural pest control
- [x] Landscape/outdoor pesticide use
- [x] Pools, spas, ponds, decorative fountains, and other water features
- [ ] Food service
- [ ] Refuse areas
- [ ] Industrial processes
- [ ] Outdoor storage of equipment or materials
- [ ] Vehicle and equipment cleaning
- [ ] Vehicle/equipment repair and maintenance
- [ ] Fuel dispensing areas
- [ ] Loading docks
- [x] Fire sprinkler test water
- [x] Miscellaneous drain or wash water
- [x] Plazas, sidewalks, and parking lots

Description/Additional Information:

The project will have features typical of proposed land uses including parks, residential, mixed use and educational uses with landscaped areas, sidewalks, parking lots, refuse areas with the need for pesticides and pest control.

Form I-3B Page 7 of 11
Identification and Narrative of Receiving Water
Narrative describing flow path from discharge location(s), through urban storm conveyance system, to receiving creeks, rivers, and lagoons and ultimate discharge location to Pacific Ocean (or bay, lagoon, lake or reservoir, as applicable) Flow from the vast majority of the project site mainly drains north to the individual biofiltration areas and then the treated flows are routed to the existing 48-inch Cactus Road storm drain. Flow eventually drains to the west towards Spring Canyon, and eventually to the south. Runoff eventually crosses the border to Mexico. Runoff eventually crosses back into the US and outlets in the watershed outlet, the Tijuana River Estuary.
Provide a summary of all beneficial uses of receiving waters downstream of the project discharge locations Per the Basin plan, Spring Canyon has the following beneficial uses: agricultural, rec 2, warm, and wild.
Identify all ASBS (areas of special biological significance) receiving waters downstream of the project discharge locations This is not applicable to the project. There are two ASBS in San Diego, the La Jolla ASBS and the Scripps ASBS. Key pollution threats include urban, road, and stormwater runoff. The Project does not drain to any of these immediate ASBS.
Provide distance from project outfall location to impaired or sensitive receiving waters Project outfall is the Tijuana River Estuary, which is approximately 8.5 miles downstream.
Summarize information regarding the proximity of the permanent, post-construction storm water BMPs to the City's Multi-Habitat Planning Area and environmentally sensitive lands There are no ESAs on the project site.

Form I-3B Page 8 of 11

Identification of Receiving Water Pollutants of Concern

List any 303(d) impaired water bodies within the path of storm water from the project site to the Pacific Ocean (or bay, lagoon, lake or reservoir, as applicable), identify the pollutant(s)/stressor(s) causing impairment, and identify any TMDLs and/or Highest Priority Pollutants from the WQIP for the impaired water bodies:

303(d) Impaired Water Body (Refer to Appendix K)	Pollutant(s)/Stressor(s) (Refer to Appendix K)	TMDLs/WQIP Highest Priority Pollutant (Refer to Table 1-4 in Chapter 1)
Tijuana River	Ammonia as Nitrogen, Eutrophic	Eutrophic, Indicator Bacteria
Tijuana River	Indicator Bacteria, Low Dissolved Oxygen,	Indicator Bacteria, Low Dissolved Oxygen,
Tijuana River	Pesitcides, Phosphorus, Sedimentation/ Siltation,	Pesitcides, Phosphorus, Sedimentation/ Siltation,
Tijuana River	Selenium, Solids, Surfactants (MBAS)	Selenium, Solids, Surfactants (MBAS),
Tijuana River	Synthetic Organics, Toxicity	Synthetic Organics, Toxicity
Tijuana River Estuary	Eutrophic, Indicator Bacteria	Eutrophic, Indicator Bacteria
Tijuana River Estuary	Lead, Low Dissolved Oxygen	Lead, Low Dissolved Oxygen
Tijuana River Estuary	Nickel, Pesticides,	Nickel, Pesticides,
Tijuana River Estuary	Thallium, Toxicity	Thallium, Toxicity
Tijuana River Estuary	Trash, Turbidity	Trash, Turbidity

Identification of Project Site Pollutants*

*Identification of project site pollutants is only required if flow-thru treatment BMPs are implemented onsite in lieu of retention or biofiltration BMPs (note the project must also participate in an alternative compliance program unless prior lawful approval to meet earlier PDP requirements is demonstrated)

Identify pollutants anticipated from the project site based on all proposed use(s) of the site (see Appendix B.6):

Pollutant	Not Applicable to the Project Site	Anticipated from the Project Site	Also a Receiving Water Pollutant of Concern
Sediment	☐	☐	☐
Nutrients	☐	☐	☐
Heavy Metals	☐	☐	☐
Organic Compounds	☐	☐	☐
Trash & Debris	☐	☐	☐
Oxygen Demanding Substances	☐	☐	☐
Oil & Grease	☐	☐	☐
Bacteria & Viruses	☐	☐	☐
Pesticides	☐	☐	☐

Form I-3B Page 9 of 11

Hydromodification Management Requirements

Do hydromodification management requirements apply (see Section 1.6)?

☑ Yes, hydromodification management flow control structural BMPs required.

☐ No, the project will discharge runoff directly to existing underground storm drains discharging directly to water storage reservoirs, lakes, enclosed embayments, or the Pacific Ocean.

☐ No, the project will discharge runoff directly to conveyance channels whose bed and bank are concrete-lined all the way from the point of discharge to water storage reservoirs, lakes, enclosed embayments, or the Pacific Ocean.

☐ No, the project will discharge runoff directly to an area identified as appropriate for an exemption by the WMAA for the watershed in which the project resides.

Description / Additional Information (to be provided if a 'No' answer has been selected above):

Refer to Hydromodification Study (in Attachment 2) prepared by Project Design Consultants.

Note: If "No" answer has been selected the SWQMP must include an exhibit that shows the storm water conveyance system from the project site to an exempt water body. The exhibit should include details about the conveyance system and the outfall to the exempt water body.

Critical Coarse Sediment Yield Areas*
*This Section only required if hydromodification management requirements apply

Based on Section 6.2 and Appendix H does CCSYA exist on the project footprint or in the upstream area draining through the project footprint?

☐ Yes

☑ No

Discussion / Additional Information:

No CCSYA exist on or around the project footprint

Form I-3B Page 10 of 11

Flow Control for Post-Project Runoff*

***This Section only required if hydromodification management requirements apply**

List and describe point(s) of compliance (POCs) for flow control for hydromodification management (see Section 6.3.1). For each POC, provide a POC identification name or number correlating to the project's HMP Exhibit and a receiving channel identification name or number correlating to the project's HMP Exhibit.

POC 1- This POC is located in the northwest corner. The whole site drains to that area where there is a 48" RCP pipe.

The 2 areas that are not draining to the existing 48" storm drain will be routed to Airway Gardens and Epoca. For more information please refer to the Preliminary Drainage Report. These areas from a hydromodification perspective were already generally addressed as a part of the previously approved SWQMPs for those respective projects.

Has a geomorphic assessment been performed for the receiving channel(s)?

☐ No, the low flow threshold is $0.1Q_2$ (default low flow threshold)

☐ Yes, the result is the low flow threshold is $0.1Q_2$

☑ Yes, the result is the low flow threshold is $0.3Q_2$

☐ Yes, the result is the low flow threshold is $0.5Q_2$

If a geomorphic assessment has been performed, provide title, date, and preparer:

A geomorphic assessment for the project's downstream receiving waters was completed by Chang Consultants. The full report has been included within Attachment 2C.

Discussion / Additional Information: (optional)

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Other Site Requirements and Constraints

When applicable, list other site requirements or constraints that will influence storm water management design, such as zoning requirements including setbacks and open space, or local codes governing minimum street width, sidewalk construction, allowable pavement types, and drainage requirements.

Because of the Project's location it is under special drainage and detention requirements of the City. The 1987 City of San Diego NOTICE from Engineering and Development Department specifies drainage and detention guidelines for all projects within the East watershed of the Otay Mesa area in order to minimize the effects of increased storm water runoff in Mexico due to development in Otay Mesa. See the project's drainage study for details.

Optional Additional Information or Continuation of Previous Sections As Needed

This space provided for additional information or continuation of information from previous sections as needed.

Source Control BMP Checklist for PDPs	Form I-4B

Source Control BMPs

All development projects must implement source control BMPs where applicable and feasible. See Chapter 4 and Appendix E of the BMP Design Manual (Part 1 of the Storm Water Standards) for information to implement source control BMPs shown in this checklist.

Answer each category below pursuant to the following.

- "Yes" means the project will implement the source control BMP as described in Chapter 4 and/or Appendix E of the BMP Design Manual. Discussion / justification is not required.
- "No" means the BMP is applicable to the project but it is not feasible to implement. Discussion / justification must be provided.
- "N/A" means the BMP is not applicable at the project site because the project does not include the feature that is addressed by the BMP (e.g., the project has no outdoor materials storage areas). Discussion / justification may be provided.

Source Control Requirement	Applied?		
4.2.1 Prevention of Illicit Discharges into the MS4	☑ Yes	☐ No	☐ N/A
Discussion / justification if 4.2.1 not implemented:			
4.2.2 Storm Drain Stenciling or Signage	☑ Yes	☐ No	☐ N/A
Discussion / justification if 4.2.2 not implemented:			
4.2.3 Protect Outdoor Materials Storage Areas from Rainfall, Run-On, Runoff, and Wind Dispersal	☐ Yes	☐ No	☑ N/A
Discussion / justification if 4.2.3 not implemented:			
4.2.4 Protect Materials Stored in Outdoor Work Areas from Rainfall, Run-On, Runoff, and Wind Dispersal	☐ Yes	☐ No	☑ N/A
Discussion / justification if 4.2.4 not implemented:			
4.2.5 Protect Trash Storage Areas from Rainfall, Run-On, Runoff, and Wind Dispersal	☑ Yes	☐ No	☐ N/A
Discussion / justification if 4.2.5 not implemented:			

Project Name: Collection at Cactus

Form I-4B Page 2 of 2			
Source Control Requirement	**Applied?**		
4.2.6 Additional BMPs Based on Potential Sources of Runoff Pollutants (must answer for each source listed below)			
On-site storm drain inlets	☑ Yes	☐ No	☐ N/A
Interior floor drains and elevator shaft sump pumps	☑ Yes	☐ No	☐ N/A
Interior parking garages	☐ Yes	☐ No	☑ N/A
Need for future indoor & structural pest control	☑ Yes	☐ No	☐ N/A
Landscape/Outdoor Pesticide Use	☑ Yes	☐ No	☐ N/A
Pools, spas, ponds, decorative fountains, and other water features	☑ Yes	☐ No	☐ N/A
Food service	☐ Yes	☐ No	☑ N/A
Refuse areas	☑ Yes	☐ No	☐ N/A
Industrial processes	☐ Yes	☐ No	☑ N/A
Outdoor storage of equipment or materials	☐ Yes	☐ No	☑ N/A
Vehicle/Equipment Repair and Maintenance	☐ Yes	☐ No	☑ N/A
Fuel Dispensing Areas	☐ Yes	☐ No	☑ N/A
Loading Docks	☐ Yes	☐ No	☑ N/A
Fire Sprinkler Test Water	☑ Yes	☐ No	☐ N/A
Miscellaneous Drain or Wash Water	☑ Yes	☐ No	☐ N/A
Plazas, sidewalks, and parking lots	☑ Yes	☐ No	☐ N/A
SC-6A: Large Trash Generating Facilities	☐ Yes	☐ No	☑ N/A
SC-6B: Animal Facilities	☐ Yes	☐ No	☑ N/A
SC-6C: Plant Nurseries and Garden Centers	☐ Yes	☐ No	☑ N/A
SC-6D: Automotive Facilities	☐ Yes	☐ No	☑ N/A
Discussion / justification if 4.2.6 not implemented. Clearly identify which sources of runoff pollutants are discussed. Justification must be provided for all "No" answers shown above.			

Site Design BMP Checklist for PDPs	Form I-5B

Site Design BMPs

All development projects must implement site design BMPs where applicable and feasible. See Chapter 4 and Appendix E of the BMP Design Manual (Part 1 of Storm Water Standards) for information to implement site design BMPs shown in this checklist.

Answer each category below pursuant to the following.

- "Yes" means the project will implement the site design BMP as described in Chapter 4 and/or Appendix E of the BMP Design Manual. Discussion / justification is not required.
- "No" means the BMP is applicable to the project but it is not feasible to implement. Discussion / justification must be provided.
- "N/A" means the BMP is not applicable at the project site because the project does not include the feature that is addressed by the BMP (e.g., the project site has no existing natural areas to conserve). Discussion / justification may be provided.

A site map with implemented site design BMPs must be included at the end of this checklist.

Site Design Requirement	Applied?		
4.3.1 Maintain Natural Drainage Pathways and Hydrologic Features	☑ Yes	☐ No	☐ N/A
Discussion / justification if 4.3.1 not implemented:			
1-1 Are existing natural drainage pathways and hydrologic features mapped on the site map?	☑ Yes	☐ No	☐ N/A
1-2 Are trees implemented? If yes, are they shown on the site map?	☑ Yes	☐ No	☐ N/A
1-3 Implemented trees meet the design criteria in 4.3.1 Fact Sheet (e.g. soil volume, maximum credit, etc.)?	☐ Yes	☐ No	☑ N/A
1-4 Is tree credit volume calculated using Appendix B.2.2.1 and SD-1 Fact Sheet in Appendix E?	☐ Yes	☐ No	☑ N/A
4.3.2 Have natural areas, soils and vegetation been conserved?	☑ Yes	☐ No	☐ N/A
Discussion / justification if 4.3.2 not implemented:			

Project Name: Collection at Cactus

Form I-5B Page 2 of 4			
Site Design Requirement	**Applied?**		
4.3.3 Minimize Impervious Area	☑ Yes	☐ No	☐ N/A
Discussion / justification if 4.3.3 not implemented:			
4.3.4 Minimize Soil Compaction	☐ Yes	☐ No	☑ N/A
Discussion / justification if 4.3.4 not implemented: The majority of the site will support building or landscape improvements, so minimizing soil compaction for the site is not applicable.			
4.3.5 Impervious Area Dispersion	☑ Yes	☐ No	☐ N/A
Discussion / justification if 4.3.5 not implemented:			
5-1 Is the pervious area receiving runon from impervious area identified on the site map?	☑ Yes	☐ No	☐ N/A
5-2 Does the pervious area satisfy the design criteria in 4.3.5 Fact Sheet in Appendix E (e.g. maximum slope, minimum length, etc.)	☑ Yes	☐ No	☐ N/A
5-3 Is impervious area dispersion credit volume calculated using Appendix B.2.1.1 and 4.3.5 Fact Sheet in Appendix E?	☑ Yes	☐ No	☐ N/A

Form I-5B Page 3 of 4			
Site Design Requirement	**Applied?**		
4.3.6 Runoff Collection	☐ Yes	☐ No	☑ N/A
Discussion / justification if 4.3.6 not implemented:			
6a-1 Are green roofs implemented in accordance with design criteria in 4.3.6A Fact Sheet? If yes, are they shown on the site map?	☐ Yes	☐ No	☑ N/A
6a-2 Is the green roof credit volume calculated using Appendix B.2.1.2 and 4.3.6A Fact Sheet in Appendix E?	☐ Yes	☐ No	☑ N/A
6b-1 Are permeable pavements implemented in accordance with design criteria in 4.3.6B Fact Sheet? If yes, are they shown on the site map?	☐ Yes	☐ No	☑ N/A
6b-2 Is the permeable pavement credit volume calculated using Appendix B.2.1.3 and 4.3.6B Fact Sheet in Appendix E?	☐ Yes	☐ No	☑ N/A
4.3.7 Landscaping with Native or Drought Tolerant Species	☑ Yes	☐ No	☐ N/A
Discussion / justification if 4.3.7 not implemented:			
4.3.8 Harvest and Use Precipitation	☐ Yes	☑ No	☐ N/A
Discussion / justification if 4.3.8 not implemented: Harvest and reuse was found to not be applicable to the project. Refer to calculations in Attachment 1c. It is unknown to PDC whether indoor water re-use is currently allowed per City building codes, as there is not a precedent for how such a system would work. For outdoor water use, the 36-hour wet season demand is not higher than the design capture volume for the project and is therefore considered an infeasible site requirement.			
8-1 Are rain barrels implemented in accordance with design criteria in 4.3.8 Fact Sheet? If yes, are they shown on the site map?	☐ Yes	☐ No	☑ N/A
8-2 Is the rain barrel credit volume calculated using Appendix B.2.2.2 and 4.3.8 Fact Sheet in Appendix E?	☐ Yes	☐ No	☑ N/A

Form I-5B Page 4 of 4
Insert Site Map with all site design BMPs identified:
Refer to the DMA map for the site design BMPs for the project.

Summary of PDP Structural BMPs	Form I-6

PDP Structural BMPs

All PDPs must implement structural BMPs for storm water pollutant control (see Chapter 5 of the BMP Design Manual, Part 1 of Storm Water Standards). Selection of PDP structural BMPs for storm water pollutant control must be based on the selection process described in Chapter 5. PDPs subject to hydromodification management requirements must also implement structural BMPs for flow control for hydromodification management (see Chapter 6 of the BMP Design Manual). Both storm water pollutant control and flow control for hydromodification management can be achieved within the same structural BMP(s).

PDP structural BMPs must be verified by the City at the completion of construction. This includes requiring the project owner or project owner's representative to certify construction of the structural BMPs (complete Form DS-563). PDP structural BMPs must be maintained into perpetuity (see Chapter 7 of the BMP Design Manual).

Use this form to provide narrative description of the general strategy for structural BMP implementation at the project site in the box below. Then complete the PDP structural BMP summary information sheet (page 3 of this form) for each structural BMP within the project (copy the BMP summary information page as many times as needed to provide summary information for each individual structural BMP).

Describe the general strategy for structural BMP implementation at the site. This information must describe how the steps for selecting and designing storm water pollutant control BMPs presented in Section 5.1 of the BMP Design Manual were followed, and the results (type of BMPs selected). For projects requiring hydromodification flow control BMPs, indicate whether pollutant control and flow control BMPs are integrated or separate.

Harvesting of storm water was determined to be infeasible for this project. Refer to Attachment 1C for additional information.

The project has been classified as a no-infiltration condition site based on the geotechnical engineer's infiltration feasibility letter. Refer to Attachment 1D for a copy of the geotechnical engineer's Infiltration Feasibility Condition Letter. The BMP strategy involves utilitizing existing biofiltration/hydromodification basins to treat and retain onsite flows and minimal offsite runon at the project site. Biofiltration basins (BMPs #1-2) will serve as conjunctive use facilities for storm water management and flood control. Refer to the Drainage Management Area (DMA) Exhibit in Attachment 1a for the proposed treatment drainage areas under proposed conditions and Attachment 2 for detention routing calculations.

(Continue on page 2 as necessary.)

Form I-6 Page 2 of

(Continued from page 1)

Refer to Attachment 1e for the pertinent BMP calculations for the proposed Collections at Cactus project. The worksheets in Attachment 1e were provided to show the proposed BMPs will be compliant with both the pollutant control requirements and the City's volume retention requirements.

The volume retention requirements are achieved site-wide through the aforementioned biofiltration/hydromodification basins. The project proposes to meet the volume retention requirements for the entire site on a composite basis instead of on a DMA basis. BMPs #1 and 2 are conjunctive use facilities that provide pollutant control, hydromodification control, and detention for a 100-yr storm. Conjunctive use guidelines dictate that for peak-flow detention routing, the starting water surface elevation for the detention routing was set equal to the corresponding BMP ponding depth, per the requirements outlined in the County Hydraulic Design Manual. Further, underdrain orifices were turned off during the 100-year routing to be conservative. Detention modeling was included in the Drainage Report in Attachment 5. Additional calculations are included in Attachment 2. Only a small portion of the site drains to proprietary biofiltration BMPs. The total square footage of biofiltration basins for the site as a whole meets the volume retention requirements. Refer to the composite calculations in Attachment 1e. Refer to the BMP Site Map and the plans in Attachment 4 for the locations of the BMPs onsite. For more information, refer to the supporting documentation in Attachment 1. The proposed basins will be dual-purpose for water quality treatment and hydromodification control.

The biofiltration basins include a minimum 18-inches of engineered sandy loam growing media on top of a minimum depth of 12 inches of gravel. In addition to the two main layers for biofiltration, a barrier/filter layer underneath the soil media (and above the gravel layer) is also included. The filter layer includes a 3-inch layer of washed sand on top of a 3-inch layerof #8 choking stone. For the BMP sizing calculations included in Attachment 1e, the 3-inches of washed sand and 3-inches mulch was added to the biofiltration media depth, and the #8 choking stone was added to the gravel depth. Refer to Attachment 2 for the hydromodification calculations.

The project includes some BMPs that are proposed for public maintenance (for DMAs that treat public runoff) and the other BMPs will be privately maintained.

The project includes widening on Cactus Road. DMA-4 will fall under the PDP-exempt category for green streets, since the work will qualify as reconfiguring existing streets. Refer to Attachment 1E for the J-1 form.

Form I-6 Page 1 of 18 (Copy as many as needed)	
Structural BMP Summary Information	
Structural BMP ID No. 1	
Construction Plan Sheet No.	
Type of Structural BMP: ☐ Retention by harvest and use (e.g. HU-1, cistern) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☑ Biofiltration (BF-1) ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☐ Pollutant control only ☐ Hydromodification control only ☑ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification form DS-563	Chelisa Pack Project Design Consultants, a Bowman Company 619-235-6471
Who will be the final owner of this BMP?	JPI 11988 El Camino Real, Suite 200, San Diego, CA 92130
Who will maintain this BMP into perpetuity?	Private Property Owner
What is the funding mechanism for maintenance?	Fees from project development

Form I-6 Page of 18 (Copy as many as needed)
Structural BMP ID No. 1
Construction Plan Sheet No.
Discussion (as needed; must include worksheets showing BMP sizing calculations in the SWQMPs): This basin is also sized for peak flow attenuation, in addition for pollutant-control and hydromodification mitigation.

Form I-6 Page 9 of 18 (Copy as many as needed)	
Structural BMP Summary Information	
Structural BMP ID No. 2	
Construction Plan Sheet No.	
Type of Structural BMP: ☐ Retention by harvest and use (e.g. HU-1, cistern) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☑ Biofiltration (BF-1) ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☐ Pollutant control only ☐ Hydromodification control only ☑ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification form DS-563	Chelisa Pack Project Design Consultants, a Bowman Company 619-235-6471
Who will be the final owner of this BMP?	City of San Diego Park and Rec Dept
Who will maintain this BMP into perpetuity?	City of San Diego Park and Rec crews and Storm Water Division
What is the funding mechanism for maintenance?	Public funds

Form I-6 Page of 18 (Copy as many as needed)
Structural BMP ID No. 2
Construction Plan Sheet No.
Discussion (as needed; must include worksheets showing BMP sizing calculations in the SWQMPs): This basin is also sized for peak flow attenuation, in addition for pollutant-control and hydromodification mitigation.

Form I-6 Page 11 of 18 (Copy as many as needed)	
Structural BMP Summary Information	
Structural BMP ID No. 3	
Construction Plan Sheet No.	
Type of Structural BMP: ☐ Retention by harvest and use (e.g. HU-1, cistern) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☑ Biofiltration ~~(BF-1)~~ (Proprietary Biofiltration BF-3) ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☑ Pollutant control only ☐ Hydromodification control only ☐ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification form DS-563	Chelisa Pack Project Design Consultants, a Bowman Company 619-235-6471
Who will be the final owner of this BMP?	City of San Diego Storm Water Division
Who will maintain this BMP into perpetuity?	City of San Diego Storm Water Division
What is the funding mechanism for maintenance?	Public funds

Form I-6 Page 12 of 18 (Copy as many as needed)
Structural BMP ID No. 3
Construction Plan Sheet No.
Discussion (as needed; must include worksheets showing BMP sizing calculations in the SWQMPs): This BMP is treating runoff from a portion of Cactus Road and a portion of Street D and is a Modular Wetland Unit within the future right-of-way area on the east side of the existing edge of Cactus Road.

Form I-6 Page 13 of 18 (Copy as many as needed)	
Structural BMP Summary Information	
Structural BMP ID No. 4	
Construction Plan Sheet No.	
Type of Structural BMP: ☐ Retention by harvest and use (e.g. HU-1, cistern) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☑ Biofiltration ~~(BF-1)~~ (Proprietary Biofiltration BF-3) ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☑ Pollutant control only ☐ Hydromodification control only ☐ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification form DS-563	Chelisa Pack Project Design Consultants, a Bowman Company 619-235-6471
Who will be the final owner of this BMP?	City of San Diego Storm Water Division
Who will maintain this BMP into perpetuity?	City of San Diego Storm Water Division
What is the funding mechanism for maintenance?	Public funds

Form I-6 Page 14 of 18 (Copy as many as needed)
Structural BMP ID No. 4
Construction Plan Sheet No.
Discussion (as needed; must include worksheets showing BMP sizing calculations in the SWQMPs): BMP-4 is a Green Street BMP and is treating runoff from a widened portion of an the existing Cactus Road in between Street D and Airway Road. Because the DMA represents an offsite frontage improvement of an existing street, it is considered PDP-exempt and is therefore exempt from hydromodification mitigation. A MWS unit (proprietary biofiltration) was selected due to the existing right-of-way constraints, and the "no-infiltration" condition. The unit will be vegetated.

Form I-6 Page 15 of 18 (Copy as many as needed)	
Structural BMP Summary Information	
Structural BMP ID No. 5	
Construction Plan Sheet No.	
Type of Structural BMP: ☐ Retention by harvest and use (e.g. HU-1, cistern) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☑ Biofiltration ~~(BF-1)~~ (Proprietary Biofiltration BF-3) ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☑ Pollutant control only ☐ Hydromodification control only ☐ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification form DS-563	Chelisa Pack Project Design Consultants, a Bowman Company 619-235-6471
Who will be the final owner of this BMP?	City of San Diego Storm Water Division
Who will maintain this BMP into perpetuity?	City of San Diego Storm Water Division
What is the funding mechanism for maintenance?	Public funds

Form I-6 Page 16 of 18 (Copy as many as needed)
Structural BMP ID No. 5
Construction Plan Sheet No.
Discussion (as needed; must include worksheets showing BMP sizing calculations in the SWQMPs):

A MWS unit (proprietary biofiltration) was selected as a pollutant-control for BMP-5 due to the existing right-of-way constraints, and the "no-infiltration" condition. The unit will be vegetated.

The drainage area was previously anticipated to drain into the existing storm drain system on the Airway Gardens site, and hydromodification mitigation for this ultimate condition build-out was previously anticipated and accounted for during the previous hydromodification modeling for the "South Basin" (near Britannia Blvd and Airway Road) per the Airway Gardens project.

See Airway Gardens SWQMP and SWQMP Addendum prepared by Project Design Consultants per PTS 669201. Therefore, no further hydromodification control is required for this DMA.

Form I-6 Page 17 of 18 (Copy as many as needed)	
Structural BMP Summary Information	
Structural BMP ID No. 6	
Construction Plan Sheet No.	
Type of Structural BMP: ☐ Retention by harvest and use (e.g. HU-1, cistern) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☑ Biofiltration ~~(BF-1)~~ (Proprietary Biofiltration BF-3) ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below) (Proprietary Biofiltration BF-3)	
Purpose: ☑ Pollutant control only ☐ Hydromodification control only ☐ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification form DS-563	Chelisa Pack Project Design Consultants, a Bowman Company 619-235-6471
Who will be the final owner of this BMP?	City of San Diego Storm Water Division
Who will maintain this BMP into perpetuity?	City of San Diego Storm Water Division
What is the funding mechanism for maintenance?	Public funds

Form I-6 Page 18 of 18 (Copy as many as needed)
Structural BMP ID No. 6
Construction Plan Sheet No.
Discussion (as needed; must include worksheets showing BMP sizing calculations in the SWQMPs): A MWS unit (proprietary biofiltration) was selected as a pollutant-control for BMP-6 due to the existing right-of-way constraints, and the "no-infiltration" condition. The unit will be vegetated, and will include a D-VERT from the adjacent inlet opening. The drainage area was previously anticipated to drain into the existing storm drain system on the Airway Gardens site, and hydromodification mitigation for this ultimate condtion was previously anticipated and accounted for during the previous hydromodification modeling for the "South Basin" (near Britannia Blvd and Airway Road) per the Airway Gardens project. See Airway Gardens SWQMP and SWQMP Addendum prepared by Project Design Consultants per PTS 669201. Therefore, no further hydromodification control is required for this DMA.

Attachment 1
Backup For PDP Pollutant Control BMPs

This is the cover sheet for Attachment 1.

Project Name: Collection at Cactus

Indicate which Items are Included:

Attachment Sequence	Contents	Checklist
Attachment 1a	DMA Exhibit (Required) See DMA Exhibit Checklist.	☒ Included
Attachment 1b	Tabular Summary of DMAs Showing DMA ID matching DMA Exhibit, DMA Area, and DMA Type (Required)* *Provide table in this Attachment OR on DMA Exhibit in Attachment 1a	☑ Included on DMA Exhibit in Attachment 1a ☐ Included as Attachment 1b, separate from DMA Exhibit
Attachment 1c	Form I-7, Harvest and Use Feasibility Screening Checklist (Required unless the entire project will use infiltration BMPs) Refer to Appendix B.3-1 of the BMP Design Manual to complete Form I-7.	☑ Included ☐ Not included because the entire project will use infiltration BMPs
Attachment 1d	Infiltration Feasibility Information. Contents of Attachment 1d depend on the infiltration condition: • No Infiltration Condition: ○ Infiltration Feasibility Condition Letter (***Note: must be stamped and signed by licensed geotechnical engineer***) ○ Form I-8A (optional) ○ Form I-8B (optional) • Partial Infiltration Condition: ○ Infiltration Feasibility Condition Letter (***Note: must be stamped and signed by licensed geotechnical engineer***) ○ Form I-8A ○ Form I-8B • Full Infiltration Condition: ○ Form I-8A ○ Form I-8B ○ Worksheet C.4-3 ○ Form I-9 Refer to Appendices C and D of the BMP Design Manual for guidance.	☑ Included ☐ Not included because the entire project will use harvest and use BMPs
Attachment 1e	Pollutant Control BMP Design Worksheets / Calculations (Required) Refer to Appendices B and E of the BMP Design Manual for structural pollutant control BMP design guidelines and site design credit calculations	☑ Included

ATTACHMENT 1A

DMA EXHIBIT

Project Name: Collection at Cactus

Use this checklist to ensure the required information has been included on the DMA Exhibit:

The DMA Exhibit must identify:

- ☑ Underlying hydrologic soil group
- ☑ Approximate depth to groundwater
- ☑ Existing natural hydrologic features (watercourses, seeps, springs, wetlands)
- ☑ Critical coarse sediment yield areas to be protected
- ☑ Existing topography and impervious areas
- ☑ Existing and proposed site drainage network and connections to drainage offsite
- ☑ Proposed grading
- ☑ Proposed impervious features
- ☑ Proposed design features and surface treatments used to minimize imperviousness
- ☑ Drainage management area (DMA) boundaries, DMA ID numbers, and DMA areas (square footage or acreage), and DMA type (i.e., drains to BMP, self-retaining, or self-mitigating)
- ☑ Potential pollutant source areas and corresponding required source controls (see Chapter 4, Appendix E.1, and Form I-3B)
- ☑ Structural BMPs (identify location, type of BMP, size/detail, and include cross-section)

LEGEND

- DMA
- SEE SHEET 2
- FLOW DIRECTION
- DMA AREA — X.XX AC
- DRAINAGE FLOWPATH

STATE ROUTE 905

OTAY MESA FWY

ENVIRONMENTALLY SENSITIVE AREA BOUNDARY. PROPOSED BUFFER = 25'

EXISTING 48" STORM DRAIN

POC 1

EXISTING CHANNEL ON SESI PROPERTY PER DWG 37010-D

CALTRANS ROW

DMA-9 — 0.22 AC

DMA-8 — 0.26 AC

DMA-1 — 31.52 AC

PUBLIC PARK
DMA-2 — 3.62 AC

DMA-3 — 1.20 AC

DMA-4 — 0.61 AC

DMA-7 — 1.00 AC

DMA-5 — 0.61 AC

DMA-6 — 0.62 AC

BMP-1 BMP-2 BMP-3 BMP-4 BMP-5 BMP-6

PA-10 PA-11 PA-12 PA-13

SELF-MITIGATING

STREET D

STREET D (PUBLIC)

PARK WAY

CONTINENTAL STREET

CACTUS ROAD

EPOCA

AIRWAY ROAD

AIRWAY GARDENS

EXISTING INLET

PROPOSED INLET

FUTURE INLET

CURRENT INTERIM INLETS

DMA/BMP TABLE							
DMA ID	DMA TYPE	BMP ID	BMP TYPE	POC	DMA TRIBUTARY DRAINAGE AREA (AC)	BMP BOTTOM AREA (SF)	MAINTENANCE RESPONSIBILITY
1	DRAINS TO BMP 1	1	BF-1/HYDROMODIFICATION AND DETENTION	DRAINS TO POC 1	31.52	38925	PRIVATE
2	DRAINS TO BMP 2	2	BF-1/HYDROMODIFICATION AND DETENTION	DRAINS TO POC 1	3.62	2049	PUBLIC
3	DRAINS TO BMP 3	3	BF-3/ MWS-L-8-12	DRAINS TO POC 1	1.2	N/A	PUBLIC
4	DRAINS TO BMP 4	4	BF-3/ MWS-L-4-15	DRAINS TO POC 1	0.61	N/A	PUBLIC
5	DRAINS TO BMP 5	5	BF-3/ MWS-L-4-15	AIRWAY GARDENS	0.61	N/A	PUBLIC
6	DRAINS TO BMP 6	6	BF-3/ MWS-L-4-15	AIRWAY GARDENS	0.62	N/A	PUBLIC
7	EPOCA BMP-4	N/A	N/A	EPOCA POC	1	N/A	N/A
8	SELF-MITIGATING	8	SELF-MITIGATING	DRAINS TO POC 1	0.26	N/A	N/A
9	SELF-MITIGATING	9	SELF-MITIGATING	DRAINS TO POC 1	0.22	N/A	N/A

N

80 40 0 80 160 240

SCALE: 1"=80'

GENERAL NOTES:

1) ALL SOILS ON PROJECT SITE ARE HYDROLOGIC SOIL GROUP D
2) DEPTH TO GROUNDWATER IS GREATER THAN 20FT

SCALE: 1"=80'

JOB #: 4481

CREATED: 10/30/23

PREPARED BY:

PROJECT DESIGN CONSULTANTS
Planning | Landscape Architecture | Engineering | Survey

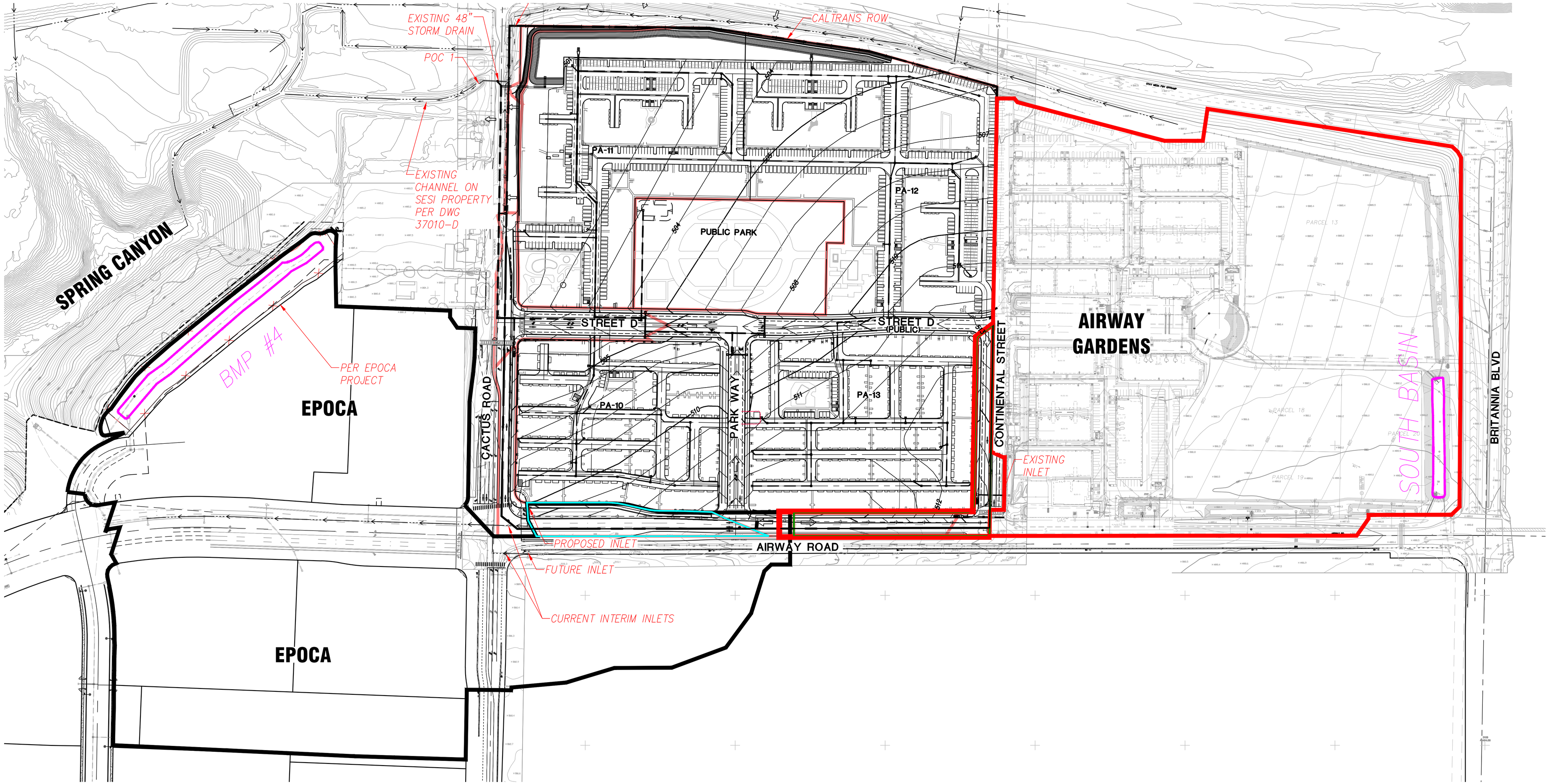
701 B Street, Suite 800
San Diego, CA 92101
619.235.6471 Tel
619.234.0349 Fax

CITY OF SAN DIEGO

COLLECTION AT CACTUS

DMA EXHIBIT
PROPOSED CONDITIONS
SHEET 1 OF 2

Q:\CA-SAND-PD\Projects\4481\Engr\Reports\TM\SWQMP\ATTACHMENTS\A1-Pollutant Control BMPs\EXH\4481_Proposed Conditions-DMA.dwg
11/21/2024 10:05:35 AM



DMA–EPOCA*

THE BOUNDARY SHOWN REPRESENTS THE OVERALL DRAINAGE BOUNDARY DRAINING TO "BMP #4" ON THE EPOCA PROJECT. EXISTING "BMP #4" AS SHOWN ABOVE, IS A COMBINED WATER QUALITY, HYDROMODIFICATION, AND DETENTION BASIN. DMA–10 FOR COLLECTION AT CACTUS, ON AIRWAY ROAD, SHOWN ON SHEET 1 OF 2, IS TREATED IN "BMP#4." ALL REQUIREMENTS HAVE ALREADY BEEN MET WITH "BMP #4."

SEE THE APPROVED REPORTS AS FOLLOWS:
EPOCA PHASE 1 STORM WATER QUALITY MANAGEMENT REPORT DATED 11/20/2020 AND ANY SUBSEQUENT AMENDMENTS PTS#658080
AND
EPOCA PHASE 1 DRAINAGE REPORT DATED 01/18/2021 AND ANY SUBSEQUENT AMENDMENTS PTS#658080

DMA–AIRWAY GARDENS*

THE BOUNDARY SHOWN REPRESENTS A PORTION OF THE OVERALL DRAINAGE BOUNDARY DRAINING TO THE "SOUTH BASIN" ON THE AIRWAY GARDENS PROJECT. AS SHOWN ABOVE, THE "SOUTH BASIN" IS A COMBINED DETENTION AND HYDROMODICATION BASIN. THEREFORE, DMA–8 AND DMA–9, LOCATED ON AIRWAY ROAD, SHOWN ON SHEET 1 OF 2, HAVE THEIR DETENTION AND HYDROMODIFICATION REQUIREMENTS ALREADY MET. TO MEET THE REMAINING REQUIREMENT FOR WATER QUALITY, TWO MODULAR WETLANDS ARE PROPOSED TO TREAT THESE DMAS. AFTER TREATMENT, THE DRAINAGE WILL FOLLOW THE SAME PATH, TO AIRWAY GARDENS AND TO THE "SOUTH BASIN."

SEE THE APPROVED REPORTS AS FOLLOWS:
AIRWAY GARDENS STORM WATER QUALITY MANAGEMENT REPORT DATED 11/24/2020 AND ANY SUBSEQUENT AMENDMENTS PTS#669201
AND
AIRWAY GARDENS DRAINAGE REPORT DATED 11/11/2020 AND ANY SUBSEQUENT AMENDMENTS PTS#669201

LEGEND

- DMA–EPOCA*
- DMA–COLLECTION AT CACTUS
- DMA–AIRWAY GARDENS*
- EXISTING OFFSITE BASINS
- FLOW DIRECTION
- DRAINAGE FLOWPATH

N

SCALE:	1"=120'
JOB #:	4481
CREATED:	10/30/23

PREPARED BY:
PROJECT DESIGN CONSULTANTS
Planning | Landscape Architecture | Engineering | Survey
701 B Street, Suite 800
San Diego, CA 92101
619.235.6471 Tel
619.234.0349 Fax

CITY OF SAN DIEGO
COLLECTION AT CACTUS
DMA EXHIBIT
PROPOSED CONDITIONS
SHEET 2 OF 2

ATTACHMENT 1B

TABULAR SUMMARY OF BMPs

For tabular summary of DMAs please refer to the DMA Exhibit in Attachment 1A

ATTACHMENT 1C

FORM I-7 HARVEST AND USE FEASIBILITY SCREENING CHECKLIST

Harvest and Use Feasibility Checklist	Worksheet B.3-1 : Form I-7

1. Is there a demand for harvested water (check all that apply) at the project site that is reliably present during the wet season?

☐ Toilet and urinal flushing
☑ Landscape irrigation
☐ Other:_____

2. If there is a demand; estimate the anticipated average wet season demand over a period of 36 hours. Guidance for planning level demand calculations for toilet/urinal flushing and landscape irrigation is provided in Section B.3.2.
[Provide a summary of calculations here]

Landscape Irrigation:
Assume: 1.2 AC of landscaping from the proposed public park
Moderate Water Use (from San Diego BMP Design Manual): 1470 gallon/36hr/ac
1470 gallon/36hr/ac x 1.2 AC= 1764 gallon/36hr
1764 gallon/36hr x 1 CF/7.481gallon= 235.8 CF/36hr

3. Calculate the DCV using worksheet B-2.1.
DCV = 56,953 (cubic feet)
[Provide a summary of calculations here]

DCV: Composite C x 85th percentile 24-hr storm depth x BMP Drainage Area
0.86 x 0.46 in (1ft/12in) x 39.66 AC (43,560 SF/AC)
56,953 CF
0.25 DCV: 14,238 CF

3a. Is the 36-hour demand greater than or equal to the DCV?	3b. Is the 36-hour demand greater than 0.25DCV but less than the full DCV?	3c. Is the 36-hour demand less than 0.25DCV?
☐ Yes / ☑ No ⇨	☐ Yes / ☑ No ⇨	☑ Yes ⇩
Harvest and use appears to be feasible. Conduct more detailed evaluation and sizing calculations to confirm that DCV can be used at an adequate rate to meet drawdown criteria.	Harvest and use may be feasible. Conduct more detailed evaluation and sizing calculations to determine feasibility. Harvest and use may only be able to be used for a portion of the site, or (optionally) the storage may need to be upsized to meet long term capture targets while draining in longer than 36 hours.	Harvest and use is considered to be infeasible.

Is harvest and use feasible based on further evaluation?
☐ Yes, refer to Appendix E to select and size harvest and use BMPs.
☑ No, select alternate BMPs.

ATTACHMENT 1D

INFILTRATION FEASIBILITY SUPPORTING DOCUMENTATION

STORM WATER MANAGEMENT INVESTIGATION

THE COLLECTIONS AT CACTUS
NORTHEAST CORNER OF AIRWAY ROAD AND CACTUS ROAD
SAN DIEGO, CALIFORNIA

GEOCON
INCORPORATED

GEOTECHNICAL
ENVIRONMENTAL
MATERIALS

PREPARED FOR

JPI
SAN DIEGO, CALIFORNIA

JANUARY 25, 2024
PROJECT NO. G2338-42-02

Project No. G2338-42-02
January 25, 2024

JPI
11988 El Camino Real, Suite 200
San Diego, California 92130

Attention: Mr. Conner Kloeppel

Subject: STORM WATER MANAGEMENT INVESTIGATION
THE COLLECTIONS AT CACTUS
NORTHEAST CORNER OF AIRWAY ROAD AND CACTUS COURT
SAN DIEGO, CALIFORNIA

References:
1. *Soil and Geologic Reconnaissance and Infiltration Testing, Otay Central Village, Planning Areas 10-13 and 17, Airway Road and Cactus Road, San Diego, California*, prepared by Geocon Incorporated, dated February 6, 2019 (Project No. G2338-42-01).
2. *Geotechnical Investigation, Otay Central Village, Planning Areas 10-13 and 17, Airway Road and Cactus Road, San Diego, California*, prepared by Geocon Incorporated, dated April 9, 2019 (Project No. G2338-42-01).
3. *Due Diligence Geotechnical Investigation, The Collections at Cactus, Northeast Corner of Airway Road and Cactus Court, San Diego, California*, prepared by Geocon Incorporated, dated May 18, 2023 (Project No. G2338-42-01).
4. *DMA Exhibit, Proposed Conditions, Collections at Cactus, City of San Diego, California*, prepared by Project Design Consultants, dated October 30, 2023 (Job No. 4481).

Dear Mr. Kloeppel:

In accordance with the request of Project Design Consultants and your authorization, we have prepared a storm water management investigation report for the proposed Collections at Cactus project located in the City of San Diego, California.

SITE AND PROJECT DESCRIPTION

The project site is approximately 40 acres in size, bounded by the SR-905 freeway on the north, Airway Road on the south, Cactus Road on the west, and a partially graded vacant lot to the east. An automobile/truck service yard and several single-story residential homes are located west of the site along Cactus Road.

The property is characterized by gently sloping topography, draining from the southeast to the northwest to a drainage channel running parallel to the east-bound lanes of the SR-905 freeway. Existing site

elevations range from approximately 494 to 515 feet Mean Sea Level (MSL). Based on a review of historical aerial photographs, previous land uses include cultivation of small orchards and arable farming.

We understand the proposed development consists of constructing multi-story residential buildings including townhomes, stacked flats, and apartments. The project will also have a 3.5-acre park, parking lots, and biofiltration basins for storm water management. Based on preliminary grading information, the majority of planned grading will result in cuts and fills of approximately 5 feet or less from existing grades to construct planned sheet grade elevations across the site. A retaining wall with heights between 1 and 10 feet is planned on the northeast site perimeter.

SOIL AND GEOLOGIC CONDITIONS

We encountered topsoil and terrace deposits (clay and sand/gravel members) during our previous geologic reconnaissance and geotechnical investigation as summarized in References 1 and 2. Although not encountered during our investigations, the Otay Formation is expected to be present below the terrace deposits. The surficial soil and geologic units are discussed below. A geologic map is provided as Figure 1 using the referenced DMA map as our base map.

Topsoil (Unmapped)

Topsoil blankets the entire site and is generally composed of very soft to stiff, sandy clay and loose, silty to clayey sand. The topsoil thickness ranges from approximately one to four feet. Topsoil is compressible in its present condition.

Terrace Deposits-Clay Member (Qtc)

The Pleistocene-age upper terrace deposit clay member (Qtc) consists of a highly expansive clay, encountered across the site. The clay member is approximately two to greater than 14 feet thick, consisting of firm to hard, damp to moist, grayish brown to olive brown, clay, silty clay, and sandy clay. The base of the clay member was not found along the south side of the site in trenches TP-12 through TP-14, and is deeper than 14 feet.

Expansion testing performed on this site and other adjacent sites indicates the upper terrace deposit clay member has highly expansive characteristics. Infiltration should be considered infeasible in the clay member of the Terrace Deposits due to its expansion characteristics.

Terrace Deposits-Sand/Gravel Member (Qtg)

The Pleistocene-age lower terrace member (Qtg) underlies the upper clay member, and consists of medium dense to very dense, damp to moist, reddish- to yellowish-brown, medium dense to dense,

clayey, and silty sand with varying amounts of cobble. This unit is massive to weakly stratified, with occasional discontinuous cobble and gravel lenses. The surrounding gravel and cobble clasts range from 3- to 18-inches in diameter, and are derived from volcanic, metasedimentary, and granitic rocks. Cobble clast size generally increases with depth and may exceed 18-inches in deeper excavations.

Otay Formation (To)

The Otay Formation underlies the terrace deposits and is generally composed of dense to hard, light olive to gray-brown, horizontally interbedded clayey siltstones and silty fine-grained sandstone. The Otay Formation was not encountered to the maximum explored depth of 16-feet below site grades. The Otay Formation typically possess low to moderate expansion, good shear strength characteristics, and is generally suitable for support of structural loads and/or fills in its present condition.

GROUNDWATER

We did not encounter groundwater in the trenches or borings during our field investigations. Based on the proposed improvements, we do not expect groundwater to have an adverse impact on the project; however, it is not uncommon for groundwater or seepage conditions to develop where none previously existed. Groundwater elevations are dependent on seasonal precipitation, irrigation, land use, among other factors, and vary as a result. Proper surface drainage will be important to the future performance of the project.

STORM WATER MANAGEMENT INVESTIGATION

We understand storm water management devices are being proposed in accordance with the 2021 City of San Diego Storm Water Standards (SWS). If not properly constructed, there is a potential for distress to improvements and properties located hydrologically down gradient or adjacent to these devices. Factors such as the amount of water to be detained, its residence time, and soil permeability have an important effect on seepage transmission and the potential adverse impacts that may occur if the storm water management features are not properly designed and constructed. We have not performed a hydrogeological study at the site. If infiltration of storm water runoff occurs, downstream properties may be subjected to seeps, springs, slope instability, raised groundwater, movement of foundations and slabs, or other undesirable impacts because of water infiltration.

Hydrologic Soil Group

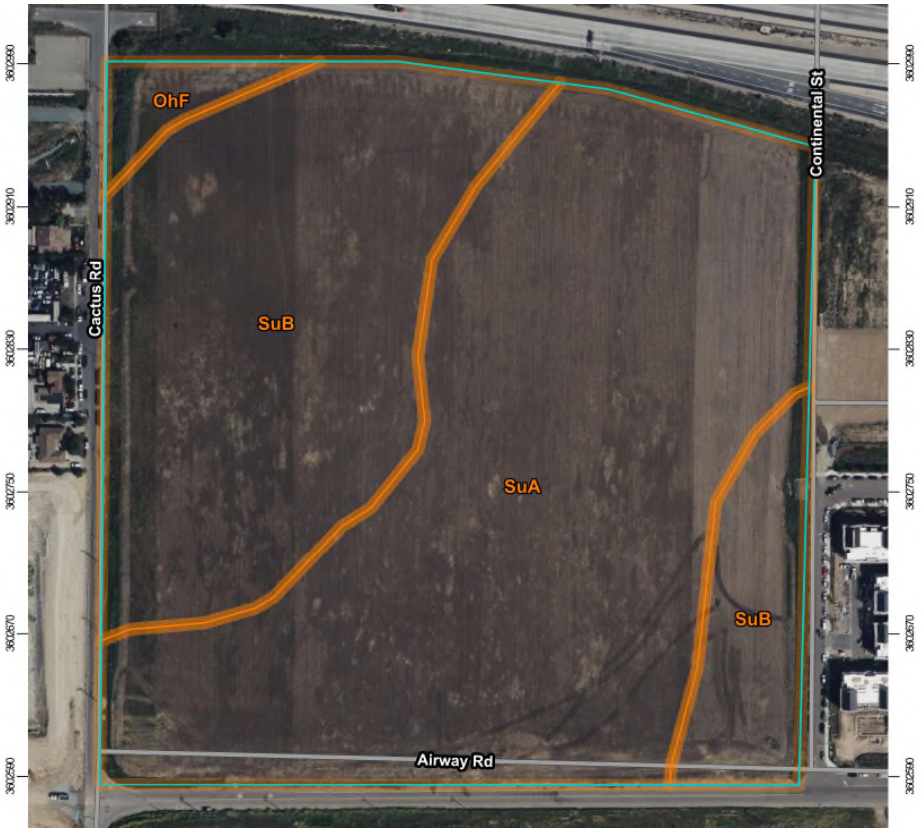
The United States Department of Agriculture (USDA), Natural Resources Conservation Services, possesses general information regarding the existing soil conditions for areas within the United States. The USDA website also provides the Hydrologic Soil Group. Table 1 presents the descriptions of the hydrologic soil groups. If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter

is for drained areas and the second is for undrained areas. In addition, the USDA website also provides an estimated saturated hydraulic conductivity for the existing soil.

TABLE 1
HYDROLOGIC SOIL GROUP DEFINITIONS

Soil Group	Soil Group Definition
A	Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.
B	Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.
C	Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.
D	Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high-water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

The Hydrologic Soil Group Map presents output from the USDA website.



Hydrologic Soil Group Map

Table 2 presents the information from the USDA website for the subject property.

TABLE 2
USDA WEB SOIL SURVEY – HYDROLOGIC SOIL GROUP

Map Unit Name	Map Unit Symbol	Approximate Percentage of Property	Hydrologic Soil Group	k_{SAT} of Most Limiting Layer (Inches/ Hour)
Olivenhain cobbly loam, 30 to 50 percent slopes	OhF	2	D	0.00 – 0.06
Stockpen gravelly clay loam, 0 to 2 percent slopes	SuA	57	D	0.00 – 0.06
Stockpen gravelly clay loam, 2 to 5 percent slopes	SuB	41	D	0.00 – 0.06

In-Situ Testing

We performed constant-head infiltration tests at the locations shown on the Geologic Map, Figure 1. Table 3 presents the results of the infiltration tests. The field data sheets are attached herein. We applied a feasibility factor of safety of 2.0 to our estimated infiltration rates. Soil infiltration rates from in-situ tests can vary significantly from one location to another due to the heterogeneous characteristics inherent to most soil.

TABLE 3
INFILTRATION TEST RESULTS

Test No.	Geologic Unit	Test Elevation (feet, MSL)	Field-Saturated Hydraulic Conductivity/Infiltration Rate, k_{sat} (inch/hour)	Worksheet Infiltration Rate[1] (inch/hour)
A-1	Qtc	91.5	0.322	0.161
A-2	Qtg	91.0	0.027	0.014
A-3	Qtg	92.0	0.035	0.018
A-4	Qtg	92.5	0.063	0.032

[1] Using a Factor of Safety of 2.

Infiltration categories include full infiltration, partial infiltration and no infiltration. Table 4 presents the commonly accepted definitions of the potential infiltration categories based on the infiltration rates.

TABLE 4
INFILTRATION CATEGORIES

Infiltration Category	Field Infiltration Rate, I (Inches/Hour)	Factored Infiltration Rate[1], I (Inches/Hour)
Full Infiltration	$I > 1.0$	$I > 0.5$
Partial Infiltration	$0.10 < I \leq 1.0$	$0.05 < I \leq 0.5$
No Infiltration (Infeasible)	$I < 0.10$	$I < 0.05$

[1] Using a Factor of Safety of 2.

Based on our observations and test results, the factored infiltration rates at test locations A-2 through A-4 indicated rates less than 0.05 inches per hour. The factored infiltration rate at test location A-1 indicated a rate less than 0.5 and greater than 0.05 inches per hour. However, due to the high expansion characteristics of the onsite soils, and the low infiltration rates at test locations A-2 through A-4, partial and full infiltration on the property is considered infeasible, and the site possesses a "No Infiltration" condition.

GEOLOGIC HAZARDS AND CONSIDERATIONS

Groundwater Elevations

We did not encounter groundwater during our previous investigations to depths of 16 feet below existing grades. Therefore, infiltration due to groundwater elevations would be considered feasible based on groundwater elevations.

Soil or Groundwater Contamination

We are unaware of contaminated soil or groundwater contamination on the property. Therefore, infiltration associated with this risk is considered feasible.

New or Existing Utilities

Utilities are located onsite and adjacent to the property within the existing streets. Full and partial infiltration near these utilities should be considered infeasible within these areas.

Existing and Planned Structures

Existing buildings exist to the east and west of the property. Existing city right-of-way and streets, and SR-905 surround the site. Water should not be allowed to infiltrate in areas where it could affect the neighboring properties and existing adjacent structures, improvements, and roadways.

CONCLUSIONS AND RECOMMENDATIONS

Storm Water Evaluation Narrative

The in-place infiltration test locations were selected in areas likely used for potential infiltration devices. We performed 4 infiltration tests within the underlying terrace deposits and the results indicate three of the four tests have a factored rate that is less than 0.05 inches per hour (with an applied factor of safety of 2). The site is underlain by topsoil and terrace deposits overlying Otay Formation. The topsoil and clay member of the terrace deposits exhibit high expansive characteristics, and water that is allowed to infiltrate in highly expansive soils will likely cause distress to proposed and existing structures and improvements. Therefore, full and partial infiltration is considered infeasible at the site.

Storm Water Infiltration Conclusion

Based on the results of our infiltration tests, and the presence of highly expansive soils onsite, we opine full and partial infiltration on the property is considered infeasible and the property possesses a "No Infiltration" condition in accordance with the 2021 SWS.

Storm Water Infiltration Recommendations

Liners and subdrains should be incorporated into the design and construction of the planned storm water devices. The liners should be impermeable (e.g. High-density polyethylene, HDPE, with a thickness of about 30 mil or equivalent Polyvinyl Chloride, PVC) to prevent water migration. The subdrains should be perforated within the liner area, installed at the base and above the liner, be at least 3 inches in diameter and consist of Schedule 40 PVC pipe. The subdrains outside of the liner should consist of solid pipe. The penetration of the liners at the subdrains should be properly waterproofed. The subdrains should be connected to a proper outlet. The devices should also be installed in accordance with the manufacturer's recommendations.

Storm Water Standard Worksheets

The SWS requests the geotechnical engineer complete the *Categorization of Infiltration Feasibility Condition* (Worksheet C.4-1 or Form I-8) worksheet information to help evaluate the potential for infiltration on the property. The attached Worksheet C.4-1 presents the completed information for the submittal process.

The regional storm water standards also have a worksheet (Worksheet D.5-1 or Form I-9) that helps the project civil engineer estimate the factor of safety based on several factors. Table 5 describes the suitability assessment input parameters related to the geotechnical engineering aspects for the factor of safety determination.

TABLE 5
SUITABILITY ASSESSMENT RELATED CONSIDERATIONS FOR INFILTRATION FACILITY SAFETY FACTORS

Consideration	High Concern – 3 Points	Medium Concern – 2 Points	Low Concern – 1 Point
Assessment Methods	Use of soil survey maps or simple texture analysis to estimate short-term infiltration rates. Use of well permeameter or borehole methods without accompanying continuous boring log. Relatively sparse testing with direct infiltration methods	Use of well permeameter or borehole methods with accompanying continuous boring log. Direct measurement of infiltration area with localized infiltration measurement methods (e.g., Infiltrometer). Moderate spatial resolution	Direct measurement with localized (i.e. small-scale) infiltration testing methods at relatively high resolution or use of extensive test pit infiltration measurement methods.
Predominant Soil Texture	Silty and clayey soils with significant fines	Loamy soils	Granular to slightly loamy soils
Site Soil Variability	Highly variable soils indicated from site assessment or unknown variability	Soil boring/test pits indicate moderately homogenous soils	Soil boring/test pits indicate relatively homogenous soils
Depth to Groundwater/ Impervious Layer	<5 feet below facility bottom	5-15 feet below facility bottom	>15 feet below facility bottom

Based on our geotechnical investigation and the previous table, Table 6 presents the estimated factor values for the evaluation of the factor of safety. This table only presents the suitability assessment safety factor (Part A) of the worksheet. The project civil engineer should evaluate the safety factor for design (Part B) and use the combined safety factor for the design infiltration rate.

TABLE 6
FACTOR OF SAFETY WORKSHEET DESIGN VALUES – PART A[1]

Suitability Assessment Factor Category	Assigned Weight (w)	Factor Value (v)	Product (p = w x v)
Assessment Methods	0.25	2	0.50
Predominant Soil Texture	0.25	3	0.75
Site Soil Variability	0.25	2	0.50
Depth to Groundwater/ Impervious Layer	0.25	1	0.25
Suitability Assessment Safety Factor, S_A = □p			2.00

[1.] The project civil engineer should complete Worksheet D.5-1 or Form I-9 using the data on this table. Additional information is required to evaluate the design factor of safety.

Should you have questions regarding this report, or if we may be of further service, please contact the undersigned at your convenience.

Very truly yours,

GEOCON INCORPORATED

Lilian E. Rodriguez
RCE 83227

Rodney C. Mikesell
GE 2533

LER:RCM:arm

(e-mail) Addressee

Categorization of Infiltration Feasibility Condition based on Geotechnical Conditions	Worksheet C.4-1: Form I-8A[10]
Part 1 - Full Infiltration Feasibility Screening Criteria	
DMA(s) Being Analyzed:	**Project Phase:**
Collections at Cactus	Entitlement
Criteria 1: Infiltration Rate Screening	
1A	Is the mapped hydrologic soil group according to the NRCS Web Soil Survey or UC Davis Soil Web Mapper Type A or B and corroborated by available site soil data[11]? ☐ Yes; the DMA may feasibly support full infiltration. Answer "Yes" to Criteria 1 Result or continue to Step 1B if the applicant elects to perform infiltration testing. ☐ No; the mapped soil types are A or B but is not corroborated by available site soil data (continue to Step 1B). ☒ No; the mapped soil types are C, D, or "urban/unclassified" and is corroborated by available site soil data. Answer "No" to Criteria 1 Result. ☐ No; the mapped soil types are C, D, or "urban/unclassified" but is not corroborated by available site soil data (continue to Step 1B).
1B	Is the reliable infiltration rate calculated using planning phase methods from Table D.3-1? ☐ Yes; Continue to Step 1C. ☐ No; Skip to Step 1D.
1C	Is the reliable infiltration rate calculated using planning phase methods from Table D.3-1 greater than 0.5 inches per hour? ☐ Yes; the DMA may feasibly support full infiltration. Answer "Yes" to Criteria 1 Result. ☐ No; full infiltration is not required. Answer "No" to Criteria 1 Result.
1D	**Infiltration Testing Method.** Is the selected infiltration testing method suitable during the design phase (see Appendix D.3)? Note: Alternative testing standards may be allowed with appropriate rationales and documentation. ☐ Yes; continue to Step 1E. ☐ No; select an appropriate infiltration testing method.

[9] Note that it is not required to investigate each and every criterion in the worksheet, a single "no" answer in Part 1, Part 2, Part 3, or Part 4 determines a full, partial, or no infiltration condition.

[10] This form must be completed each time there is a change to the site layout that would affect the infiltration feasibility condition. Previously completed forms shall be retained to document the evolution of the site storm water design.

[11] Available data include site-specific sampling or observation of soil types or texture classes, such as obtained from borings or test pits necessary to support other design elements.

Categorization of Infiltration Feasibility Condition based on Geotechnical Conditions	Worksheet C.4-1: Form I-8A[10]
1E	**Number of Percolation/Infiltration Tests.** Does the infiltration testing method performed satisfy the minimum number of tests specified in Table D.3-2? ☐ Yes; continue to Step 1F. ☐ No; conduct appropriate number of tests.
IF	**Factor of Safety.** Is the suitable Factor of Safety selected for full infiltration design? See guidance in D.5; Tables D.5-1 and D.5-2; and Worksheet D.5-1 (Form I-9). ☐ Yes; continue to Step 1G. ☐ No; select appropriate factor of safety.
1G	**Full Infiltration Feasibility.** Is the average measured infiltration rate divided by the Factor of Safety greater than 0.5 inches per hour? ☐ Yes; answer "Yes" to Criteria 1 Result. ☐ No; answer "No" to Criteria 1 Result.
Criteria 1 Result	Is the estimated reliable infiltration rate greater than 0.5 inches per hour within the DMA where runoff can reasonably be routed to a BMP? ☐ Yes; the DMA may feasibly support full infiltration. Continue to Criteria 2. ☒ No; full infiltration is not required. Skip to Part 1 Result.

Summarize infiltration testing methods, testing locations, replicates, and results and summarize estimates of reliable infiltration rates according to procedures outlined in D.5. Documentation should be included in project geotechnical report.

We performed 4 infiltration tests in terrace deposits within areas of the site that may be considered for storm water devices. Three of the four tests have a rate less than 0.05 inches per hour (with an applied factor of safety of 2). Therefore, full infiltration is considered infeasible at the site.

Categorization of Infiltration Feasibility Condition based on Geotechnical Conditions		Worksheet C.4-1: Form I-8A[10]	
Criteria 2: Geologic/Geotechnical Screening			
2A	If all questions in Step 2A are answered "Yes," continue to Step 2B. For any "No" answer in Step 2A answer "No" to Criteria 2, and submit an "Infiltration Feasibility Condition Letter" that meets the requirements in Appendix C.1.1. The geologic/geotechnical analyses listed in Appendix C.2.1 do not apply to the DMA because one of the following setbacks cannot be avoided and therefore result in the DMA being in a no infiltration condition. The setbacks must be the closest horizontal radial distance from the surface edge (at the overflow elevation) of the BMP.		
2A–1	Can the proposed full infiltration BMP(s) avoid areas with existing fill materials greater than 5 feet thick below the infiltrating surface?	☐ Yes	☐ No
2A-2	Can the proposed full infiltration BMP(s) avoid placement within 10 feet of existing underground utilities, structures, or retaining walls?	☐ Yes	☐ No
2A-3	Can the proposed full infiltration BMP(s) avoid placement within 50 feet of a natural slope (>25%) or within a distance of 1.5H from fill slopes where H is the height of the fill slope?	☐ Yes	☐ No
2B	When full infiltration is determined to be feasible, a geotechnical investigation report must be prepared that considers the relevant factors identified in Appendix C.2.1. If all questions in Step 2B are answered "Yes," then answer "Yes" to Criteria 2 Result. If there are "No" answers continue to Step 2C.		
2B–1	**Hydroconsolidation.** Analyze hydroconsolidation potential per approved ASTM standard due to a proposed full infiltration BMP. Can full infiltration BMPs be proposed within the DMA without increasing hydroconsolidation risks?	☐ Yes	☐ No
2B-2	**Expansive Soils.** Identify expansive soils (soils with an expansion index greater than 20) and the extent of such soils due to proposed full infiltration BMPs. Can full infiltration BMPs be proposed within the DMA without increasing expansive soil risks?	☐ Yes	☐ No

Categorization of Infiltration Feasibility Condition based on Geotechnical Conditions		Worksheet C.4-1: Form I-8A[10]	
2B-3	**Liquefaction**. If applicable, identify mapped liquefaction areas. Evaluate liquefaction hazards in accordance with Section 6.4.2 of the City of San Diego's Guidelines for Geotechnical Reports (2011 or most recent edition). Liquefaction hazard assessment shall take into account any increase in groundwater elevation or groundwater mounding that could occur as a result of proposed infiltration or percolation facilities. Can full infiltration BMPs be proposed within the DMA without increasing liquefaction risks?	☐ Yes	☐ No
2B-4	**Slope Stability**. If applicable, perform a slope stability analysis in accordance with the ASCE and Southern California Earthquake Center (2002) Recommended Procedures for Implementation of DMG Special Publication 117, Guidelines for Analyzing and Mitigating Landslide Hazards in California to determine minimum slope setbacks for full infiltration BMPs. See the City of San Diego's Guidelines for Geotechnical Reports (2011) to determine which type of slope stability analysis is required. Can full infiltration BMPs be proposed within the DMA without increasing slope stability risks?	☐ Yes	☐ No
2B-5	**Other Geotechnical Hazards.** Identify site-specific geotechnical hazards not already mentioned (refer to Appendix C.2.1). Can full infiltration BMPs be proposed within the DMA without increasing risk of geologic or geotechnical hazards not already mentioned?	☐ Yes	☐ No
2B-6	**Setbacks.** Establish setbacks from underground utilities, structures, and/or retaining walls. Reference applicable ASTM or other recognized standard in the geotechnical report. Can full infiltration BMPs be proposed within the DMA using established setbacks from underground utilities, structures, and/or retaining walls?	☐ Yes	☐ No

Categorization of Infiltration Feasibility Condition based on Geotechnical Conditions		Worksheet C.4-1: Form I-8A[10]	
2C	**Mitigation Measures.** Propose mitigation measures for each geologic/geotechnical hazard identified in Step 2B. Provide a discussion of geologic/geotechnical hazards that would prevent full infiltration BMPs that cannot be reasonably mitigated in the geotechnical report. See Appendix C.2.1.8 for a list of typically reasonable and typically unreasonable mitigation measures. Can mitigation measures be proposed to allow for full infiltration BMPs? If the question in Step 2 is answered "Yes," then answer "Yes" to Criteria 2 Result. If the question in Step 2C is answered "No," then answer "No" to Criteria 2 Result.	☐ Yes	☐ No
Criteria 2 Result	Can infiltration greater than 0.5 inches per hour be allowed without increasing risk of geologic or geotechnical hazards that cannot be reasonably mitigated to an acceptable level?	☐ Yes	☐ No

Summarize findings and basis; provide references to related reports or exhibits.

We performed 4 infiltration tests in terrace deposits within areas of the site that may be considered for storm water devices. Three of the four tests have a rate less than 0.05 inches per hour (with an applied factor of safety of 2). Therefore, full infiltration is considered infeasible at the site.

Part 1 Result – Full Infiltration Geotechnical Screening[12]	Result
If answers to both Criteria 1 and Criteria 2 are "Yes", a full infiltration design is potentially feasible based on Geotechnical conditions only. If either answer to Criteria 1 or Criteria 2 is "No", a full infiltration design is not required.	☐ Full infiltration Condition ☒ Complete Part 2

[12] To be completed using gathered site information and best professional judgement considering the definition of MEP in the MS4 Permit. Additional testing and/or studies may be required by City Engineer to substantiate findings.

Categorization of Infiltration Feasibility Condition based on Geotechnical Conditions	Worksheet C.4-1: Form I-8A[10]
Part 2 – Partial vs. No Infiltration Feasibility Screening Criteria	
DMA(s) Being Analyzed:	**Project Phase:**
Collections at Cactus	Entitlement
Criteria 3: Infiltration Rate Screening	
3A	**NRCS Type C, D, or "urban/unclassified":** Is the mapped hydrologic soil group according to the NRCS Web Soil Survey or UC Davis Soil Web Mapper is Type C, D, or "urban/unclassified" and corroborated by available site soil data? ☐ Yes; the site is mapped as C soils and a reliable infiltration rate of 0.15 in/hr. is used to size partial infiltration BMPS. Answer "Yes" to Criteria 3 Result. ☐ Yes; the site is mapped as D soils or "urban/unclassified" and a reliable infiltration rate of 0.05 in/hr. is used to size partial infiltration BMPS. Answer "Yes" to Criteria 3 Result. ☒ No; infiltration testing is conducted (refer to Table D.3-1), continue to Step 3B.
3B	**Infiltration Testing Result:** Is the reliable infiltration rate (i.e. average measured infiltration rate/2) greater than 0.05 in/hr. and less than or equal to 0.5 in/hr? ☐ Yes; the site may support partial infiltration. Answer "Yes" to Criteria 3 Result. ☒ No; the reliable infiltration rate (i.e. average measured rate/2) is less than 0.05 in/hr., partial infiltration is not required. Answer "No" to Criteria 3 Result.
Criteria 3 Result	Is the estimated reliable infiltration rate (i.e., average measured infiltration rate/2) greater than or equal to 0.05 inches/hour and less than or equal to 0.5 inches/hour at any location within each DMA where runoff can reasonably be routed to a BMP? ☐ Yes; Continue to Criteria 4. ☒ No: Skip to Part 2 Result.
Summarize infiltration testing and/or mapping results (i.e. soil maps and series description used for infiltration rate). We performed 4 infiltration tests in terrace deposits within areas of the site that may be considered for storm water devices. Three of the four tests have a rate less than 0.05 inches per hour (with an applied factor of safety of 2). Therefore, full infiltration is considered infeasible at the site.	

Categorization of Infiltration Feasibility Condition based on Geotechnical Conditions		Worksheet C.4-1: Form I-8A[10]	
Criteria 4: Geologic/Geotechnical Screening			
4A	If all questions in Step 4A are answered "Yes," continue to Step 4B. For any "No" answer in Step 4A answer "No" to Criteria 4 Result, and submit an "Infiltration Feasibility Condition Letter" that meets the requirements in Appendix C.1.1. The geologic/geotechnical analyses listed in Appendix C.2.1 do not apply to the DMA because one of the following setbacks cannot be avoided and therefore result in the DMA being in a no infiltration condition. The setbacks must be the closest horizontal radial distance from the surface edge (at the overflow elevation) of the BMP.		
4A–1	Can the proposed partial infiltration BMP(s) avoid areas with existing fill materials greater than 5 feet thick?	☒ Yes	☐ No
4A-2	Can the proposed partial infiltration BMP(s) avoid placement within 10 feet of existing underground utilities, structures, or retaining walls?	☒ Yes	☐ No
4A-3	Can the proposed partial infiltration BMP(s) avoid placement within 50 feet of a natural slope (>25%) or within a distance of 1.5H from fill slopes where H is the height of the fill slope?	☒ Yes	☐ No
4B	When full infiltration is determined to be feasible, a geotechnical investigation report must be prepared that considers the relevant factors identified in Appendix C.2.1 If all questions in Step 4B are answered "Yes," then answer "Yes" to Criteria 4 Result. If there are any "No" answers continue to Step 4C.		
4B–1	**Hydroconsolidation.** Analyze hydroconsolidation potential per approved ASTM standard due to a proposed full infiltration BMP. Can partial infiltration BMPs be proposed within the DMA without increasing hydroconsolidation risks?	☒ Yes	☐ No
4B-2	**Expansive Soils.** Identify expansive soils (soils with an expansion index greater than 20) and the extent of such soils due to proposed full infiltration BMPs. Can partial infiltration BMPs be proposed within the DMA without increasing expansive soil risks?	☐ Yes	☒ No

Categorization of Infiltration Feasibility Condition based on Geotechnical Conditions		Worksheet C.4-1: Form I-8A[10]	
4B-3	**Liquefaction**. If applicable, identify mapped liquefaction areas. Evaluate liquefaction hazards in accordance with Section 6.4.2 of the City of San Diego's Guidelines for Geotechnical Reports (2011). Liquefaction hazard assessment shall take into account any increase in groundwater elevation or groundwater mounding that could occur as a result of proposed infiltration or percolation facilities. Can partial infiltration BMPs be proposed within the DMA without increasing liquefaction risks?	☒ Yes	☐ No
4B-4	**Slope Stability**. If applicable, perform a slope stability analysis in accordance with the ASCE and Southern California Earthquake Center (2002) Recommended Procedures for Implementation of DMG Special Publication 117, Guidelines for Analyzing and Mitigating Landslide Hazards in California to determine minimum slope setbacks for full infiltration BMPs. See the City of San Diego's Guidelines for Geotechnical Reports (2011) to determine which type of slope stability analysis is required. Can partial infiltration BMPs be proposed within the DMA without increasing slope stability risks?	☒ Yes	☐ No
4B-5	**Other Geotechnical Hazards.** Identify site-specific geotechnical hazards not already mentioned (refer to Appendix C.2.1). Can partial infiltration BMPs be proposed within the DMA without increasing risk of geologic or geotechnical hazards not already mentioned?	☒ Yes	☐ No
4B-6	**Setbacks.** Establish setbacks from underground utilities, structures, and/or retaining walls. Reference applicable ASTM or other recognized standard in the geotechnical report. Can partial infiltration BMPs be proposed within the DMA using recommended setbacks from underground utilities, structures, and/or retaining walls?	☒ Yes	☐ No
4C	**Mitigation Measures.** Propose mitigation measures for each geologic/geotechnical hazard identified in Step 4B. Provide a discussion on geologic/geotechnical hazards that would prevent partial infiltration BMPs that cannot be reasonably mitigated in the geotechnical report. See Appendix C.2.1.8 for a list of typically reasonable and typically unreasonable mitigation measures. Can mitigation measures be proposed to allow for partial infiltration BMPs? If the question in Step 4C is answered "Yes," then answer "Yes" to Criteria 4 Result. If the question in Step 4C is answered "No," then answer "No" to Criteria 4 Result.	☐ Yes	☒ No

Categorization of Infiltration Feasibility Condition based on Geotechnical Conditions		Worksheet C.4-1: Form I-8A[10]	
Criteria 4 Result	Can infiltration of greater than or equal to 0.05 inches/hour and less than or equal to 0.5 inches/hour be allowed without increasing the risk of geologic or geotechnical hazards that cannot be reasonably mitigated to an acceptable level?	☐ Yes	☒ No

Summarize findings and basis; provide references to related reports or exhibits.

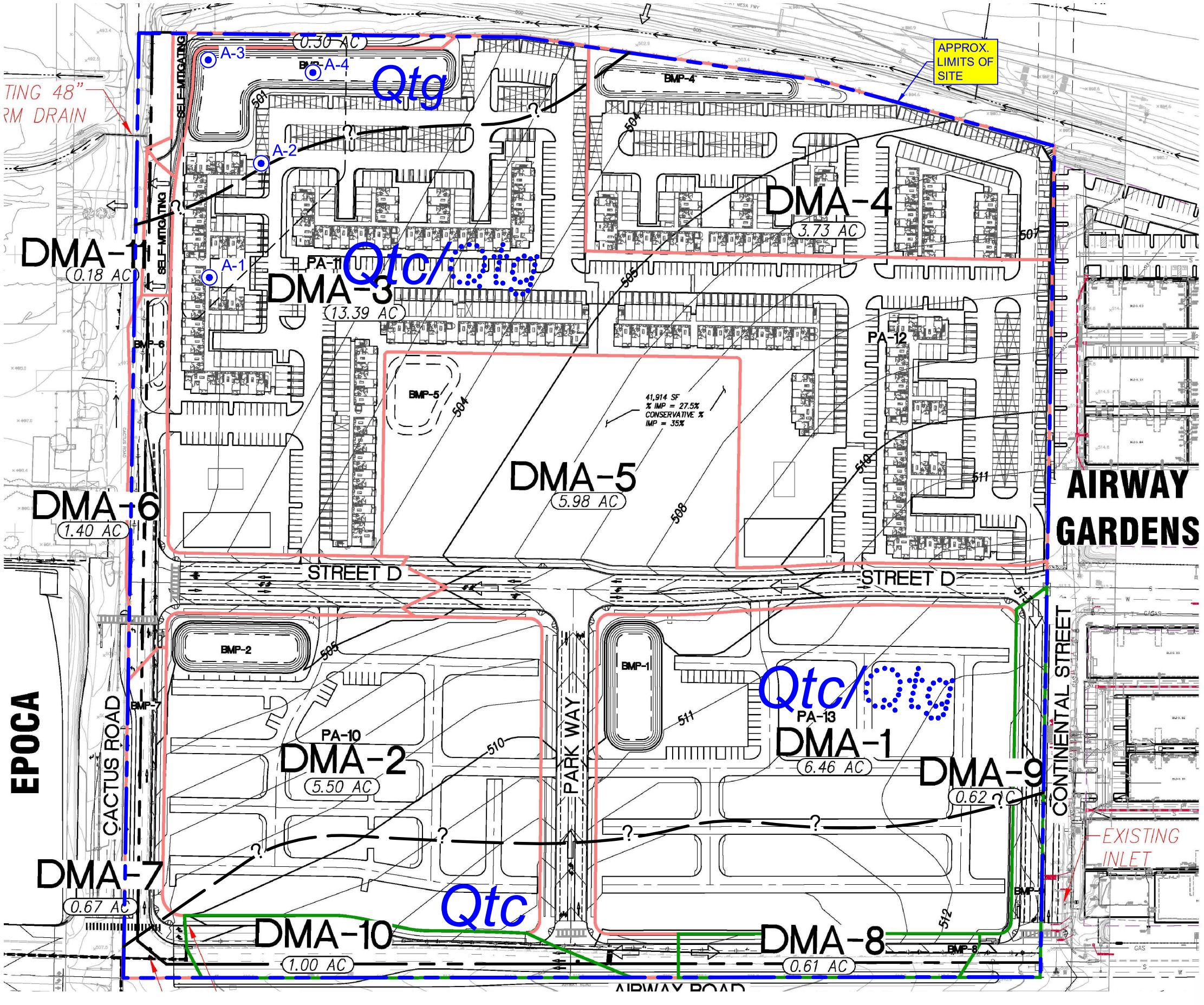
We performed 4 infiltration tests in terrace deposits within areas of the site that may be considered for storm water devices. Three of the four tests have a rate less than 0.05 inches per hour (with an applied factor of safety of 2). Therefore, full infiltration is considered infeasible at the site.

The site is underlain by topsoil and terrace deposits overlying Otay Formation. The topsoil and clay member of the terrace deposits exhibit high expansive characteristics, and water that is allowed to infiltrate in highly expansive soils will likely cause distress to proposed and existing structures and improvements. Therefore, full and partial infiltration is considered infeasible at the site.

Part 2 – Partial Infiltration Geotechnical Screening Result[13]	Result
If answers to both Criteria 3 and Criteria 4 are "Yes", a partial infiltration design is potentially feasible based on geotechnical conditions only. If answers to either Criteria 3 or Criteria 4 is "No", then infiltration of any volume is considered to be infeasible within the site.	☐ Partial Infiltration Condition ☒ No Infiltration Condition

[13] To be completed using gathered site information and best professional judgement considering the definition of MEP in the MS4 Permit. Additional testing and/or studies may be required by City Engineer to substantiate findings.

THE COLLECTIONS AT CACTUS
SAN DIEGO, CALIFORNIA



0' 75' 150' 225' 300'

SCALE 1"=150'(on 11x17)

GEOCON LEGEND

Qtc .....TERRACE DEPOSITS - CLAY MEMBER

Qtg .....TERRACE DEPOSITS - SAND/GRAVEL MEMBER

~?~ .....APPROX. LOCATION OF GEOLOGIC CONTACT (Queried Where Uncertain)

A-4 ◉ .....APPROX. LOCATION OF INFILTRATION TESTING

GEOLOGIC MAP

GEOCON INCORPORATED
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS
6960 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121 - 2974
PHONE 858 558-6900 - FAX 858 558-6159

PROJECT NO. G2338 - 42 - 02
FIGURE 1
DATE 01 - 25 - 2024

Plotted:01/25/2024 12:55PM | By:ALVIN LADRILLONO | File Location:Y:\PROJECTS\G2338-42-02 (Paez Property)\SHEETS\G2338-42-02 Geo Map.20.dwg

ATTACHMENT 1E

POLLUTANT CONTROL BMP DESIGN WORKSHEETS/CALCULATIONS

Compact (high rate) Biofiltration BMP Checklist	Form I-10

Compact (high rate) biofiltration BMPs have a media filtration rate greater than 5 in/hr. and a media surface area smaller than 3% of contributing area times adjusted runoff factor. Compact biofiltration BMPs are typically proprietary BMPs that may qualify as biofiltration.

A compact biofiltration BMP may satisfy the pollutant control requirements for a DMA onsite in some cases. This depends on the characteristics of the DMA **and** the performance certification/data of the BMP. If the pollutant control requirements for a DMA are met onsite, then the DMA is not required to participate in an offsite storm water alternative compliance program to meet its pollutant control obligations.

An applicant using a compact biofiltration BMP to meet the pollutant control requirements onsite must complete Section 1 of this form and include it in the PDP SWQMP. A separate form must be completed for each DMA. In instances where the City Engineer does not agree with the applicant's determination, Section 2 of this form will be completed by the City and returned to the applicant.

Section 1: Biofiltration Criteria Checklist (Appendix F)

Refer to Part 1 of the Storm Water Standards to complete this section. When separate forms/worksheets are referenced below, the applicant must also complete these separate forms/worksheets (as applicable) and include in the PDP SWQMP. The criteria numbers below correspond to the criteria numbers in Appendix F.

Criteria	Answer	Progression
Criteria 1 and 3: What is the infiltration condition of the DMA? Refer to Section 5.4.2 and Appendix C of the BMP Design Manual (Part 1 of Storm Water Standards) for guidance. Applicant must complete and include the following in the PDP SWQMP submittal to support the feasibility determination: • Infiltration Feasibility Condition Letter; or • Worksheet C.4-1: Form I-8A and Worksheet C.4-2: Form I-8B. Applicant must complete and include all applicable sizing worksheets in the SWQMP submittal	○ Full Infiltration Condition	**Stop**. Compact biofiltration BMP is not allowed.
	○ Partial Infiltration Condition	Compact biofiltration BMP is only allowed, if the target volume retention is met onsite (Refer to Table B.5-1 in Appendix B.5). Use Worksheet B.5-2 in Appendix B.5 to estimate the target volume retention (Note: retention in this context means reduction). If the required volume reduction is achieved **proceed to Criteria 2**. If the required volume reduction is not achieved, compact biofiltration BMP is not allowed. **Stop**.
	◉ No Infiltration Condition	Compact biofiltration BMP is allowed if volume retention criteria in Table B.5-1 in Appendix B.5 for the no infiltration condition is met. Compliance with this criterion must be documented in the PDP SWQMP. If the criteria in Table B.5-1 is met **proceed to Criteria 2**. If the criteria in Table B.5-1 is not met, compact biofiltration BMP is not allowed. **Stop**.

Compact (high rate) Biofiltration BMP Checklist	Form I-10

Provide basis for Criteria 1 and 3:

Feasibility Analysis:

Summarize findings and include either infiltration feasibility condition letter or Worksheet C.4-1: Form I-8A and Worksheet C.4-2: Form I-8B in the PDP SWQMP submittal.

If Partial Infiltration Condition:

Provide documentation that target volume retention is met (include Worksheet B.5-2 in the PDP SWQMP submittal). Worksheet B.5-7 in Appendix B.5 can be used to estimate volume retention benefits from landscape areas.

If No Infiltration Condition:

Provide documentation that the volume retention performance standard is met (include Worksheet B.5-2 in the PDP SWQMP submittal) in the PDP SWQMP submittal. Worksheet B.5-6 in Appendix B.5 can be used to document that the performance standard is met.

Refer to Appendix 1E for BMP Calculations

Criteria	Answer	Progression
Criteria 2: Is the compact biofiltration BMP sized to meet the performance standard from the MS4 Permit? Refer to Appendix B.5 and Appendix F.2 of the BMP Design Manual (Part 1 of Storm Water Standards) for guidance.	◉ Meets Flow based Criteria	Use guidance from **Appendix F.2.2** to size the compact biofiltration BMP to meet the flow based criteria. Include the calculations in the PDP SWQMP. Use parameters for sizing consistent with manufacturer guidelines and conditions of its third party certifications (i.e. a BMP certified at a loading rate of 1 gpm/sq. ft. cannot be designed using a loading rate of 1.5 gpm/sq. ft.) **Proceed to Criteria 4.**
	○ Meets Volume based Criteria	Provide documentation that the compact biofiltration BMP has a total static (i.e. non-routed) storage volume, including pore-spaces and pre-filter detention volume (Refer to Appendix B.5 for a schematic) of at least 0.75 times the portion of the DCV not reliably retained onsite. **Proceed to Criteria 4.**
	○ Does not Meet either criteria	**Stop**. Compact biofiltration BMP is not allowed.

Provide basis for Criteria 2:

Provide documentation that the BMP meets the numeric criteria and is designed consistent with the manufacturer guidelines and conditions of its third-party certification (i.e., loading rate, etc., as applicable).

Refer to MWS sizing calculations and information provided by manufacturer.

Criteria	Answer	Progression
Criteria 4: Does the compact biofiltration BMP meet the pollutant treatment performance standard for the projects most significant pollutants of concern? Refer to Appendix B.6 and Appendix F.1 of the BMP Design Manual (Part 1 of Storm Water Standards) for guidance.	◉ Yes, meets the TAPE certification.	Provide documentation that the compact BMP has an appropriate TAPE certification for the projects most significant pollutants of concern. **Proceed to Criteria 5.**
	○ Yes, through other third-party documentation	Acceptance of third-party documentation is at the discretion of the City Engineer. The City engineer will consider, (a) the data submitted; (b) representativeness of the data submitted; and (c) consistency of the BMP performance claims with pollutant control objectives in Table F.1-2 and Table F.1-1 while making this determination. If a compact biofiltration BMP is not accepted, a written explanation/ reason will be provided in Section 2. **Proceed to Criteria 5.**
	○ No	**Stop**. Compact biofiltration BMP is not allowed.

Provide basis for Criteria 4:

Provide documentation that identifies the projects most significant pollutants of concern and TAPE certification or other third party documentation that shows that the compact biofiltration BMP meets the pollutant treatment performance standard for the projects most significant pollutants of concern.

See Attachment 1E for Tape certification and Modular Wetland Calculations, Modular Wetland Brochure, Fact Sheet.

Compact (high rate) Biofiltration BMP Checklist		Form I-10
Criteria	**Answer**	**Progression**
Criteria 5: Is the compact biofiltration BMP designed to promote appropriate biological activity to support and maintain treatment process? Refer to Appendix F of the BMP Design Manual (Part 1 of Storm Water Standards) for guidance.	◉ Yes	Provide documentation that the compact biofiltration BMP support appropriate biological activity. Refer to Appendix F for guidance. **Proceed to Criteria 6.**
	○ No	**Stop**. Compact biofiltration BMP is not allowed.
Provide basis for Criteria 5: Provide documentation that appropriate biological activity is supported by the compact biofiltration BMP to maintain treatment process. Refer to Attachment 1E for Modular Wetland Calculations, Modular Wetland Brochure, Fact Sheet. The BMP unit(s) will have plants.		
Criteria	**Answer**	**Progression**
Criteria 6: Is the compact biofiltration BMP designed with a hydraulic loading rate to prevent erosion, scour and channeling within the BMP?	◉ Yes	Provide documentation that the compact biofiltration BMP is used in a manner consistent with manufacturer guidelines and conditions of its third-party certification. **Proceed to Criteria 7.**
	○ No	**Stop**. Compact biofiltration BMP is not allowed.
Provide basis for Criteria 6: Provide documentation that the BMP meets the numeric criteria and is designed consistent with the manufacturer guidelines and conditions of its third-party certification (i.e., maximum tributary area, maximum inflow velocities, etc., as applicable). Refer to Appendix 1E for BMP Calculations		

Compact (high rate) Biofiltration BMP Checklist		Form I-10
Criteria	**Answer**	**Progression**
Criteria 7: Is the compact biofiltration BMP maintenance plan consistent with manufacturer guidelines and conditions of its third-party certification (i.e., maintenance activities, frequencies)?	○ Yes, and the compact BMP is privately owned, operated and not in the public right of way.	Submit a maintenance agreement that will also include a statement that the BMP will be maintained in accordance with manufacturer guidelines and conditions of third-party certification. **Stop**. The compact biofiltration BMP meets the required criteria.
	◉ Yes, and the BMP is either owned or operated by the City or in the public right of way.	Approval is at the discretion of the City Engineer. The city engineer will consider maintenance requirements, cost of maintenance activities, relevant previous local experience with operation and maintenance of the BMP type, ability to continue to operate the system in event that the vending company is no longer operating as a business or other relevant factors while making the determination. **Stop**. Consult the City Engineer for a determination.
	○ No	**Stop**. Compact biofiltration BMP is not allowed.

Provide basis for Criteria 7:

Include copy of manufacturer guidelines and conditions of third-party certification in the maintenance agreement. PDP SWQMP must include a statement that the compact BMP will be maintained in accordance with manufacturer guidelines and conditions of third-party certification.

Refer to Appendix 1E for BMP Calculations

Compact (high rate) Biofiltration BMP Checklist	Form I-10
Section 2: Verification (For City Use Only)	
Is the proposed compact BMP accepted by the City Engineer for onsite pollutant control compliance for the DMA?	○ Yes ○ No, See explanation below
Explanation/reason if the compact BMP is not accepted by the City for onsite pollutant control compliance:	

BMP Applicability and Selection for Green Street Exemption	Form J-1
Project Identification	
Project Name: Collection at Cactus (for DMA 4)	
Permit Application Number: PRJ # 1111415	Date: 11/25/2024

Project Characterization and Selection Synopsis

The purpose of this form is to guide the selection of BMPs, given project specific constraints to meet the Green Streets exemption as defined in Appendix J.2 of the BMP Design Manual. In order to qualify for a PDP exemption, the project must incorporate all applicable Green Street BMP elements described in Appendix J.2, based on the applicability guidance provided in Appendix J.2.

Complete the sections below providing detailed justification for each selection.

Step 1: Does this project include retrofitting or redevelopment of an existing alley, street, or roadway criteria? Exemptions do not apply for projects that construct new alleys, streets, or roadways. See Appendix J for additional guidance on distinguishing between redevelopment of a street and new development.

☑ Yes ☐ No (if No is selected, the Green Street exemption is not applicable)

Provide a brief overview of the project, key details, and site-specific opportunities and constraints:
The project proposes public improvements for the surrounding roads. The improvements include parkway widening along the frontage of the project, including impervious area dispersion and street trees.

Step 2: Complete the BMP-specific applicability checklists on the following pages and attach them to this form. Complete forms for all BMPs, including those that were used and those that were not used.

Step 3: Summarize the BMP(s) that were selected through the guidance process (Select all that apply):

BMP Type	Applicable?	Used?	Summary of justification for Inclusion or Finding of Non-applicability
Vegetated Swales	☐	☐	N/A
Sidewalk Planters	☐	☐	N/A
Curb Extensions	☐	☐	N/A
Permeable Surfaces	☐	☐	N/A
Green Gutters	☐	☐	N/A
Rain Gardens	☐	☐	N/A
Trees	☐	☐	N/A
Other Modular Wetland Units	☑	☑	MWU are similar to rain gardens and biofiltration, but are more compact and can fit within the parkway.

Form J-1 Page 2 of 8: Vegetated Swale

Brief Description: Vegetated Swales are shallow, open channels that are designed to remove storm water pollutants by physically straining/filtering runoff through vegetation in the channel.

Site Type (Check all that apply):	Street Type	Rating[1]	Present in Project?
	Residential Streets	◉	☑
	Commercial Street/ Business District	○	☐
	Collector Street	◉	☐
	Arterial and Boulevard	◉	☑
	Alleys	○	☐
	Parking Areas	◉	☑
Key Opportunities for Vegetated Swales (Check all that apply):	Parkway strips		☐
	Medians		☐
	Long, mostly continuous space		☐
	Other (must justify below)		☐
Site-Specific Factors (Check all that apply):	Favorable Conditions for Vegetated Swales		
	Slope > 1% and <3%		☐
	Conveying run-on to a site		☐
	Infiltration is partially feasible or not feasible		☐
	Long continuous segments available		☐
	More parkway width		☐
	Unfavorable Conditions for Vegetated Swales		
	Available width is < 8 feet		☐
	Frequent driveway interruption		☐
	ROW width too limited		☐

Summary of Findings:

Were Vegetated Swales determined to be applicable as part of the Green Streets BMP plan? ☐ Yes ☑ No	If yes, were they used? ☐ Yes ☑ No

Provide discussion/justifications for selections and decisions above:
N/A, vegetated swales could not be implemented with improvements

[1] ● High applicability within this category, however may still be limited by site-specific factors
◉ Generally applicable in this category; largely dependent on site-specific factors
○ Limited applicability within this category; may still be applicable in some cases; should be considered

Form J-1 Page 3 of 8: Sidewalk Planters

Brief Description: A planter imbedded in the sidewalk designed to manage storm water runoff from the adjacent roadway and sidewalk.

	Street Type	Rating[2]	Present in Project?
Site Type (Check all that apply):	Residential Streets	◉	☑
	Commercial Street/ Business District	◉	☐
	Collector Street	●	☐
	Arterial and Boulevard	●	☑
	Alleys	○	☐
	Parking Areas	◉	☑
Key Opportunities for Sidewalk Planters (Check all that apply):	Parkway strips		☐
	Medians		☐
	Between driveways		☐
	Other (must justify below)		☐
Site-Specific Factors (Check all that apply):	**Favorable Conditions for Sidewalk Planters**		
	Slope <4%		☑
	Wide sidewalks		☐
	More parkway width		☐
	Unfavorable Conditions for Sidewalk Planters		
	Conflicts with car egress		☐
	ROW width too limited		☐

Summary of Findings:

Were Sidewalk Planters determined to be applicable as part of the Green Streets BMP plan?	If yes, were they used?
☐ Yes ☑ No	☐ Yes ☑ No

Provide discussion/justifications for selections and decisions above:

Due to right of way limitations, sidewalk planters could not be used, but a MWU was proposed instead.

[2] ● High applicability within this category, however may still be limited by site-specific factors
◉ Generally applicable in this category; largely dependent on site-specific factors
○ Limited applicability within this category; may still be applicable in some cases; should be considered

Form J-1 Page 4 of 8: Curb Extensions

Brief Description: Curb extensions expand the edge of the sidewalk into the roadway or parking area and allow storm water runoff to collect and infiltrate through a detention area of porous media.

Site Type (Check all that apply):	Street Type	Rating[3]	Present in Project?
	Residential Streets	●	☑
	Commercial Street/ Business District	●	☐
	Collector Street	◉	☐
	Arterial and Boulevard	◉	☑
	Alleys	○	☐
	Parking Areas	◉	☑
Key Opportunities for Curb Extensions (Check all that apply):	Intersections		☐
	Parking area		☐
	Other (must justify below)		☐
Site-Specific Factors (Check all that apply):	**Favorable Conditions for Curb Extensions**		
	Slope <4%		☐
	Traffic calming needed		☐
	Unfavorable Conditions for Curb Extensions		
	Conflicts with bike lanes		☐
	Site distance issues at intersection		☐

Summary of Findings:

Were Curb Extensions determined to be applicable as part of the Green Streets BMP plan?	If yes, were they used?
☐ Yes ☑ No	☐ Yes ☑ No

Provide discussion/justifications for selections and decisions above:
N/A, curb extensions could not be implemented with improvements

[3] ● High applicability within this category, however may still be limited by site-specific factors
◉ Generally applicable in this category; largely dependent on site-specific factors
○ Limited applicability within this category; may still be applicable in some cases; should be considered

Form J-1 Page 5 of 8: Permeable Surfaces

Brief Description: Permeable surfaces are pavement that allows for percolation through void spaces into subsurface layers.

Site Type (Check all that apply):	Street Type	Rating[4]	Present in Project?
	Residential Streets	●	☑
	Commercial Street/ Business District	●	☐
	Collector Street	◉	☐
	Arterial and Boulevard	◉	☑
	Alleys	●	☐
	Parking Areas	◉	☑
Key Opportunities for Permeable Surfaces (Check all that apply):	Sidewalks		☐
	Parking strips		☐
	Shoulders		☐
	Low traffic roadways		☐
	Other (must justify below)		☑
Site-Specific Factors (Check all that apply):	**Favorable Conditions for Permeable Surfaces**		
	Slope < 2-3%		☐
	Conveying limited run-on to a site		☑
	Low traffic area		☐
	Unfavorable Conditions for Permeable Surfaces		
	High traffic area		☐
	Run-on has high sediment load		☑

Summary of Findings:

Were Permeable Surfaces determined to be applicable as part of the Green Streets BMP plan?	If yes, were they used?
☐ Yes ☑ No	☐ Yes ☑ No

Provide discussion/justifications for selections and decisions above:

N/A for high traffic streets and roads.

[4] ● High applicability within this category, however may still be limited by site-specific factors
◉ Generally applicable in this category; largely dependent on site-specific factors
○ Limited applicability within this category; may still be applicable in some cases; should be considered

Form J-1 Page 6 of 8: Green Gutters

Brief Description: Green Gutters are shallow and narrow strips of landscaping in a typical curb and gutter location with a lower elevation than the street gutter elevation to allow capture of storm water from the sidewalk and street.

	Street Type	Rating[5]	Present in Project?
Site Type (Check all that apply):	Residential Streets	○	☑
	Commercial Street/ Business District	◉	☐
	Collector Street	●	☐
	Arterial and Boulevard	●	☑
	Alleys	◉	☐
	Parking Areas	○	☑
Key Opportunities for Green Gutters (Check all that apply):	Parkway strips		☐
	Medians		☐
	Long, mostly continuous space		☑
	Other (must justify below)		☐
Site-Specific Factors (Check all that apply):	**Favorable Conditions for Green Gutters**		
	Slope > 1% and <3%		☐
	Conveying run-on to a site		☐
	Infiltration is partially feasible or not feasible		☐
	Long continuous segments available		☐
	Narrower spaces (as little as 2 to 3 feet)		☐
	Unfavorable Conditions for Green Gutters		
	Frequent driveway interruption		☐
	ROW width too limited		☐

Summary of Findings:

Were Green Gutters determined to be applicable as part of the Green Streets BMP plan?	If yes, were they used?
☐ Yes ☑ No	☐ Yes ☑ No

Provide discussion/justifications for selections and decisions above:
N/A, green gutters could not be incorporated to the public improvements.

[5] ● High applicability within this category, however may still be limited by site-specific factors
◉ Generally applicable in this category; largely dependent on site-specific factors
○ Limited applicability within this category; may still be applicable in some cases; should be considered

Form J-1 Page 7 of 8: Rain Gardens

Brief Description: Rain Gardens are shallow detention basins with vegetation that temporarily store water to allow for infiltration of the stored volume. Rain Gardens could be bioretention or biofiltration with partial retention or a biofiltration BMP.

Site Type (Check all that apply):	Street Type	Rating[6]	Present in Project?
	Residential Streets	◉	☐
	Commercial Street/ Business District	◉	☑
	Collector Street	◉	☐
	Arterial and Boulevard	◉	☑
	Alleys	○	☐
	Parking Areas	●	☐
Key Opportunities for Rain Gardens (Check all that apply):	Irregularly shaped areas in ROW		☐
	Broad and flat areas		☐
	Other (must justify below)		☐
Site-Specific Factors (Check all that apply):	Favorable Conditions for Rain Gardens		
	Slope <2%		☑
	Infiltration is partially feasible or not feasible		☐
	Large area available		
	Unfavorable Conditions for Rain Gardens		
	Slope > 2%		☐
	ROW too limited		☑

Summary of Findings:

Were Rain Gardens determined to be applicable as part of the Green Streets BMP plan? ☐ Yes ☑ No	If yes, were they used? ☐ Yes ☑ No

Provide discussion/justifications for selections and decisions above:

N/A, rain gardens could not be incorporated to the public improvements, but a Modular Wetland unit was proposed instead.

[6] ● High applicability within this category, however may still be limited by site-specific factors
◉ Generally applicable in this category; largely dependent on site-specific factors
○ Limited applicability within this category; may still be applicable in some cases; should be considered

Form J-1 Page 8 of 8: Trees

Brief Description: Trees planted in the sidewalk right-of-way provide rainfall interception and infiltration benefits and typically supplement other storm water management tools.

Site Type (Check all that apply):	Street Type	Rating[7]	Present in Project?
	Residential Streets	●	☐
	Commercial Street/ Business District	◉	☑
	Collector Street	◉	☐
	Arterial and Boulevard	◉	☑
	Alleys	◉	☐
	Parking Areas	●	☐
Key Opportunities for Trees (Check all that apply):	Parkway strips		☐
	Medians		☐
	Irregularly shaped areas		☑
	Extra ROW on back side of sidewalk		☐
	Other (must justify below)		☐
Site-Specific Factors (Check all that apply):	Favorable Conditions for Trees		
	Located outside of clear zone		☑
	Infiltration is feasible		☐
	ROW not limiting		
	Unfavorable Conditions for Trees		
	Limited space for root growth		☐
	Clear zone issues		☐

Summary of Findings:

Were Trees determined to be applicable as part of the Green Streets BMP plan? ☐ Yes ☑ No	If yes, were they used? ☐ Yes ☑ No

Provide discussion/justifications for selections and decisions above:
Street Trees are included but are not part of the BMP plan.

[7] ● High applicability within this category, however may still be limited by site-specific factors
◉ Generally applicable in this category; largely dependent on site-specific factors
○ Limited applicability within this category; may still be applicable in some cases; should be considered

Project: 4481 Collection and Cactus

Worksheet B.2-1: DCV

85th percentile 24-hr storm depth from Figure B.1.= 0.46 in

DMA ID	BMP ID	BMP Drainage Area (ac)	BMP Drainage Area (SF)	Impervious Area (ac)	Amended Soils (ac) (C=0.1)	Natural A Soils (ac) (C=0.1)	Natural B Soils (ac) (C=0.14)	Natural C Soils (ac) (C=0.23)	Natural D Soils (ac) (C=0.3)	% Impervious	Composite C[1]	Tree Credit Volume (cf)	Rain Barrels Credit Volume (cf)	Design Capture Volume (DCV) (CF)
1	1	31.52	1373011	29.944	1.576	0	0	0	0	95%	0.86	0	0	45264
2	2	3.62	157687	1.448	2.172	0	0	0	0	40%	0.42	0	0	2539
3	3	1.2	52272	1.14	0.06	0	0	0	0	95%	0.86	0	0	1723
4	4	0.61	26572	0.5795	0.0305	0	0	0	0	95%	0.86	0	0	876
5	5	0.61	26572	0.5795	0.0305	0	0	0	0	95%	0.86	0	0	876
6	6	0.62	27007	0.589	0.031	0	0	0	0	95%	0.86	0	0	890
7	7	1	43560	0.95	0.05	0	0	0	0	95%	0.86	0	0	1436
8	8	0.26	11326	0	0	0	0	0	0.26	0%	0.30	0	0	130
9	9	0.22	9583	0	0	0	0	0	0.22	0%	0.3	0	0	110

CALCULATION FOR MEDIA FILTRATION RATE WHEN CONTROLLED BY UNDERDRAIN ORIFICE

Surface ponding [6 inch minimum, 12 inch maximum]	6	
Media thickness [18 inches minimum], also add mulch layer and washed ASTM 33 fine aggregate sand thickness to this line for sizing calculations	30	
Aggregate storage (also add ASTM No 8 stone) above underdrain invert (12 inches typical) – use 0 inches if the aggregate is not over the entire bottom surface area	12	
Diameter of underdrain orifice	2	in
H	3.92	
Max hydromod Q through underdrain	0.20789	cfs
Footprint of the BMP	38925	ft^2
Media filtration rate to be used for sizing (maximum filtration rate of 5 in/hr. with no outlet control; if the filtration rate is controlled by the outlet use the outlet controlled rate (includes infiltration into the soil and flow rate through the outlet structure) which will be less than 5 in/hr.)	**0.23**	in/hr

The City of SAN DIEGO	Project Name	Collection and Cactus	
	BMP ID	1	
Sizing Method for Pollutant Removal Criteria		**Worksheet B.5-1**	
1	Area draining to the BMP	1373011	sq. ft.
2	Adjusted runoff factor for drainage area (Refer to Appendix B.1 and B.2)	0.86	
3	85th percentile 24-hour rainfall depth	0.46	inches
4	Design capture volume [Line 1 x Line 2 x (Line 3/12)]	45264	cu. ft.
BMP Parameters			
5	Surface ponding [6 inch minimum, 12 inch maximum]	6	inches
6	Media thickness [18 inches minimum], also add mulch layer and washed ASTM 33 fine aggregate sand thickness to this line for sizing calculations	30	inches
7	Aggregate storage (also add ASTM No 8 stone) above underdrain invert (12 inches typical) – use 0 inches if the aggregate is not over the entire bottom surface area	12	inches
8	Aggregate storage below underdrain invert (3 inches minimum) – use 0 inches if the aggregate is not over the entire bottom surface area	3	inches
9	Freely drained pore storage of the media	0.2	in/in
10	Porosity of aggregate storage	0.4	in/in
11	Media filtration rate to be used for sizing (maximum filtration rate of 5 in/hr. with no outlet control; if the filtration rate is controlled by the outlet use the outlet controlled rate (includes infiltration into the soil and flow rate through the outlet structure) which will be less than 5 in/hr.)	0.23	in/hr.
Baseline Calculations			
12	Allowable routing time for sizing	6	hours
13	Depth filtered during storm [Line 11 x Line 12]	1.384351089	inches
14	Depth of Detention Storage [Line 5 + (Line 6 x Line 9) + (Line 7 x Line 10) + (Line 8 x Line 10)]	18	inches
15	Total Depth Treated [Line 13 + Line 14]	19.38435109	inches
Option 1 – Biofilter 1.5 times the DCV			
16	Required biofiltered volume [1.5 x Line 4]	67895	cu. ft.
17	Required Footprint [Line 16/ Line 15] x 12	42031	sq. ft.
Option 2 - Store 0.75 of remaining DCV in pores and ponding			
18	Required Storage (surface + pores) Volume [0.75 x Line 4]	33948	cu. ft.
19	Required Footprint [Line 18/ Line 14] x 12	22632	sq. ft.
Footprint of the BMP			
20	BMP Footprint Sizing Factor (Default 0.03 or an alternative minimum footprint sizing factor from Line 11 in Worksheet B.5-4)	0.03	
21	Minimum BMP Footprint [Line 1 x Line 2 x Line 20]	35424	sq. ft.
22	Footprint of the BMP = Maximum(Minimum(Line 17, Line 19), Line 21)	35424	sq. ft.
23	Provided BMP Footprint	38925	sq. ft.
24	Is Line 23 ≥ Line 22?	**Yes, Performance Standard is Met**	

CALCULATION FOR MEDIA FILTRATION RATE WHEN CONTROLLED BY UNDERDRAIN ORIFICE

Surface ponding [6 inch minimum, 12 inch maximum]	6	
Media thickness [18 inches minimum], also add mulch layer and washed ASTM 33 fine aggregate sand thickness to this line for sizing calculations	24	
Aggregate storage (also add ASTM No 8 stone) above underdrain invert (12 inches typical) – use 0 inches if the aggregate is not over the entire bottom surface area	12	
Diameter of underdrain orifice	2	in
H	3.42	
Max hydromod Q through underdrain	0.19417	cfs
Footprint of the BMP	2049	ft^2
Media filtration rate to be used for sizing (maximum filtration rate of 5 in/hr. with no outlet control; if the filtration rate is controlled by the outlet use the outlet controlled rate (includes infiltration into the soil and flow rate through the outlet structure) which will be less than 5 in/hr.)	**4.09**	in/hr

The City of SAN DIEGO	Project Name	Collection and Cactus	
	BMP ID	2	
Sizing Method for Pollutant Removal Criteria		**Worksheet B.5-1**	
1	Area draining to the BMP	157687	sq. ft.
2	Adjusted runoff factor for drainage area (Refer to Appendix B.1 and B.2)	0.42	
3	85th percentile 24-hour rainfall depth	0.46	inches
4	Design capture volume [Line 1 x Line 2 x (Line 3/12)]	2539	cu. ft.
BMP Parameters			
5	Surface ponding [6 inch minimum, 12 inch maximum]	6	inches
6	Media thickness [18 inches minimum], also add mulch layer and washed ASTM 33 fine aggregate sand thickness to this line for sizing calculations	24	inches
7	Aggregate storage (also add ASTM No 8 stone) above underdrain invert (12 inches typical) – use 0 inches if the aggregate is not over the entire bottom surface area	12	inches
8	Aggregate storage below underdrain invert (3 inches minimum) – use 0 inches if the aggregate is not over the entire bottom surface area	3	inches
9	Freely drained pore storage of the media	0.2	in/in
10	Porosity of aggregate storage	0.4	in/in
11	Media filtration rate to be used for sizing (maximum filtration rate of 5 in/hr. with no outlet control; if the filtration rate is controlled by the outlet use the outlet controlled rate (includes infiltration into the soil and flow rate through the outlet structure) which will be less than 5 in/hr.)	4.09	in/hr.
Baseline Calculations			
12	Allowable routing time for sizing	6	hours
13	Depth filtered during storm [Line 11 x Line 12]	24.56268896	inches
14	Depth of Detention Storage [Line 5 + (Line 6 x Line 9) + (Line 7 x Line 10) + (Line 8 x Line 10)]	16.8	inches
15	Total Depth Treated [Line 13 + Line 14]	41.36268896	inches
Option 1 – Biofilter 1.5 times the DCV			
16	Required biofiltered volume [1.5 x Line 4]	3808	cu. ft.
17	Required Footprint [Line 16/ Line 15] x 12	1105	sq. ft.
Option 2 - Store 0.75 of remaining DCV in pores and ponding			
18	Required Storage (surface + pores) Volume [0.75 x Line 4]	1904	cu. ft.
19	Required Footprint [Line 18/ Line 14] x 12	1360	sq. ft.
Footprint of the BMP			
20	BMP Footprint Sizing Factor (Default 0.03 or an alternative minimum footprint sizing factor from Line 11 in Worksheet B.5-4)	0.03	
21	Minimum BMP Footprint [Line 1 x Line 2 x Line 20]	1987	sq. ft.
22	Footprint of the BMP = Maximum(Minimum(Line 17, Line 19), Line 21)	1987	sq. ft.
23	Provided BMP Footprint	2049	sq. ft.
24	Is Line 23 ≥ Line 22?	**Yes, Performance Standard is Met**	

The City of SAN DIEGO	Project Name	Collection and Cactus	
	BMP ID	ALL BMPs	
Sizing Method for Volume Retention Criteria		**Worksheet B.5-2**	
1	Area draining to the BMP	1684030	sq. ft.
2	Adjusted runoff factor for drainage area (Refer to Appendix B.1 and B.2)	0.79	
3	85th percentile 24-hour rainfall depth	0.46	inches
4	Design capture volume [Line 1 x Line 2 x (Line 3/12)]	51087	cu. ft.
Volume Retention Requirement			
5	Measured infiltration rate in the DMA Note: When mapped hydrologic soil groups are used enter 0.10 for NRCS Type D soils and for NRCS Type C soils enter 0.30 When in no infiltration condition and the actual measured infiltration rate is unknown enter 0.0 if there are geotechnical and/or groundwater hazards identified in Appendix C	0	in/hr.
6	Factor of safety	2	
7	Reliable infiltration rate, for biofiltration BMP sizing [Line 5 / Line 6]	0	in/hr.
8	Average annual volume reduction target (Figure B.5-2) When Line 7 > 0.01 in/hr. = Minimum (40, 166.9 x Line 7 +6.62) When Line 7 ≤ 0.01 in/hr. = 3.5%	3.5	%
9	Fraction of DCV to be retained (Figure B.5-3) When Line 8 > 8% = 0.0000013 x Line 8^3 - 0.000057 x Line 8^2 + 0.0086 x Line 8 - 0.014 When Line 8 ≤ 8% = 0.023	0.023	
10	Target volume retention [Line 9 x Line 4]	1175	cu. ft.

The City of SAN DIEGO	Project Name	Collection and Cactus
	BMP ID	ALL BMPs

Volume Retention for No Infiltration Condition			Worksheet B.5-6	
1	Area draining to the biofiltration BMP	1684030	sq. ft.	
2	Adjusted runoff factor for drainage area (Refer to Appendix B.1 and B.2)	0.79		
3	Effective impervious area draining to the BMP [Line 1 x Line 2]	1332702	sq. ft.	
4	Required area for Evapotranspiration [Line 3 x 0.03]	39981	sq. ft.	
5	Biofiltration BMP Footprint	40974	sq. ft.	

Landscape Area (must be identified on DS-3247)

		Identification	1	2	3	4	5
6	Landscape area that meet the requirements in SD-B and SD-F Fact Sheet (sq. ft.)						
7	Impervious area draining to the landscape area (sq. ft.)						
8	Impervious to Pervious Area ratio [Line 7/Line 6]		0.00	0.00	0.00	0.00	0.00
9	Effective Credit Area If (Line 8 >1.5, Line 6, Line 7/1.5]		0	0	0	0	0
10	Sum of Landscape area [sum of Line 9 Id's 1 to 5]				0		sq. ft.
11	Provided footprint for evapotranspiration [Line 5 + Line 10]				40974		sq. ft.

Volume Retention Performance Standard

12	Is Line 11 ≥ Line 4?	Volume Retention Performance Standard is Met	
13	Fraction of the performance standard met through the BMP footprint and/or landscaping [Line 11/Line 4]	1.02	
14	Target Volume Retention [Line 10 from Worksheet B.5.2]	1175	cu. ft.
15	Volume retention required from other site design BMPs [(1-Line 13) x Line 14]	-23.49997491	cu. ft.

Site Design BMP

	Identification	Site Design Type	Credit	
16	1			cu. ft.
	2			cu. ft.
	3			cu. ft.
	4			cu. ft.
	5			cu. ft.
	Sum of volume retention benefits from other site design BMPs (e.g. trees; rain barrels etc.). [sum of Line 16 Credits for Id's 1 to 5] Provide documentation of how the site design credit is calculated in the PDP SWQMP.		0	cu. ft.
17	Is Line 16 ≥ Line 15?	Volume Retention Performance Standard is Met		

Collection at Cactus - Modular Wetland Sizing

Modular Wetland Sizing Calculations

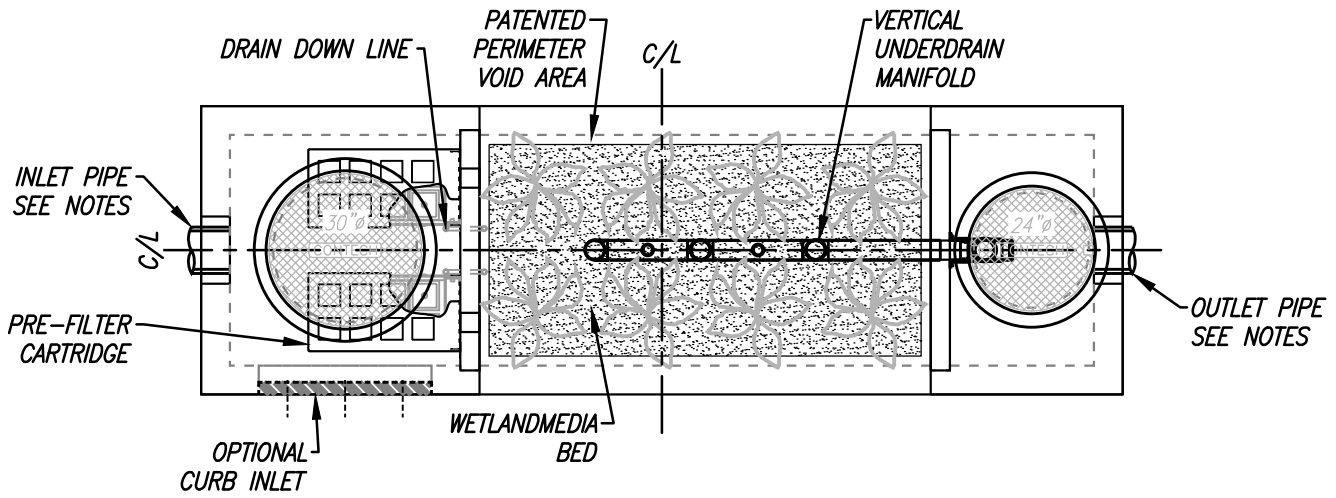
BMP-ID	LOCATION	A (AC)	Imperv (ac)	Perv (ac)	%IMP	C	1.5 x Q (cfs)[1]	Q100 (cfs)	MWS Model	MWS Qdesign
BMP-3	DMA-3	1.20	1.14	0.06	95%	0.86	0.310		MWS-L-8-12	0.346
BMP-4	DMA-4	0.61	0.58	0.03	95%	0.86	0.157		MWS-L-4-15	0.175
BMP-5	DMA-5	0.61	0.58	0.03	95%	0.86	0.157		MWS-L-4-15	0.175
BMP-6	DMA-6	0.62	0.59	0.03	95%	0.86	0.160		MWS-L-4-15	0.175

Notes:

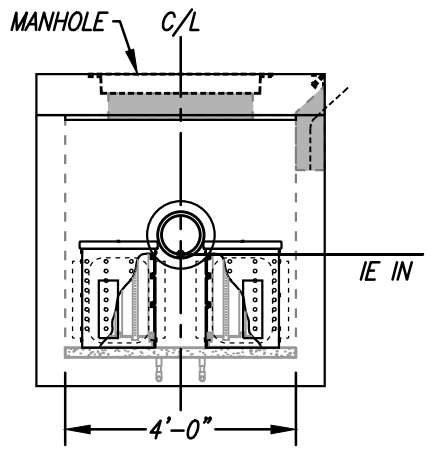
1. Water quality flow rate = 1.5 x 0.2 x C x A

SITE SPECIFIC DATA			
PROJECT NUMBER			
PROJECT NAME			
PROJECT LOCATION			
STRUCTURE ID			
TREATMENT REQUIRED			
TREATMENT FLOW (CFS)			
PRETREATMENT LOADING RATE (GPM/SF)			2.1 GPM/SF
WETLAND MEDIA LOADING RATE (GPM/SF)			1.0
PEAK BYPASS REQUIRED (CFS) – IF APPLICABLE			_____ (CFS)
PIPE DATA	I.E.	MATERIAL	DIAMETER
INLET PIPE 1			
INLET PIPE 2			
OUTLET PIPE			
	PRETREATMENT	BIOFILTRATION	DISCHARGE
RIM ELEVATION			
SURFACE LOAD	PEDESTRIAN		
NOTES:			

* PRELIMINARY ONLY - NOT FOR CONSTRUCTION



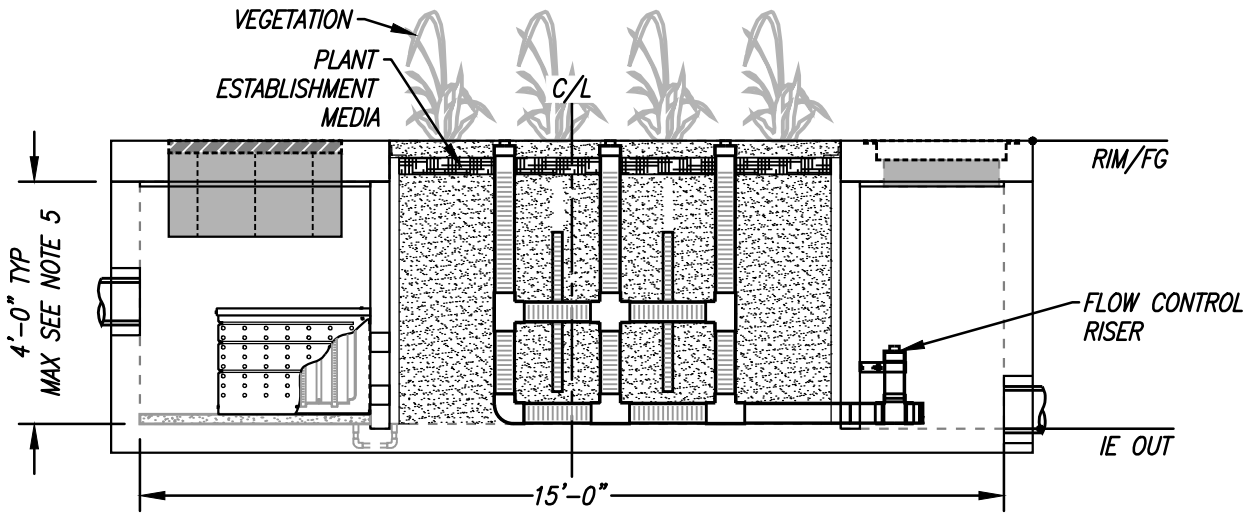
PLAN VIEW



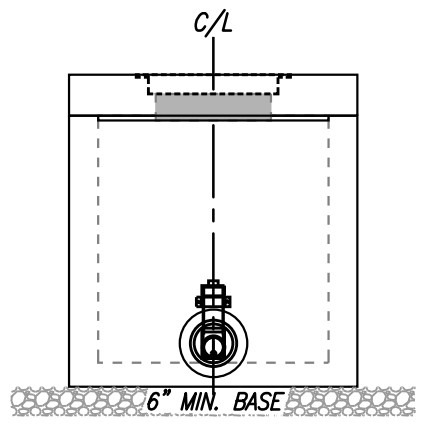
LEFT END VIEW

INSTALLATION NOTES

1. CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SYSTEM AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURER'S SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURER'S CONTRACT.
2. UNIT MUST BE INSTALLED ON LEVEL BASE. MANUFACTURER RECOMMENDS A MINIMUM 6" LEVEL ROCK BASE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE FOR VERIFYING PROJECT ENGINEER'S RECOMMENDED BASE SPECIFICATIONS.
3. CONTRACTOR TO SUPPLY AND INSTALL ALL EXTERNAL CONNECTING PIPES. ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE (PIPES CANNOT INTRUDE BEYOND FLUSH). INVERT OF OUTFLOW PIPE MUST BE FLUSH WITH DISCHARGE CHAMBER FLOOR. ALL PIPES SHALL BE SEALED WATERTIGHT PER MANUFACTURER'S STANDARD CONNECTION DETAIL.
4. CONTRACTOR RESPONSIBLE FOR CONTACTING CONTECH FOR ACTIVATION OF UNIT. MANUFACTURER'S WARRANTY IS VOID WITHOUT PROPER ACTIVATION BY A CONTECH REPRESENTATIVE.
5. VERTICAL HEIGHT VARIES BASED ON SITE SPECIFIC REQUIREMENTS.



ELEVATION VIEW



RIGHT END VIEW

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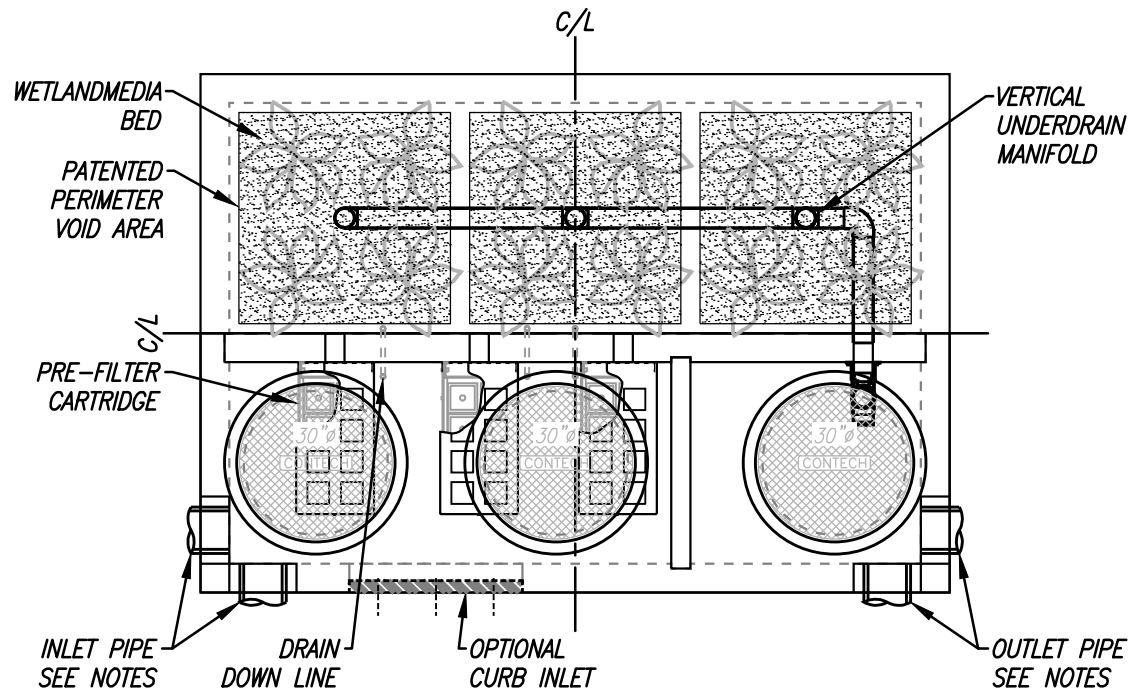
www.ContechES.com

MWS-L-4-15-V
STORMWATER BIOFILTRATION SYSTEM
STANDARD DETAIL

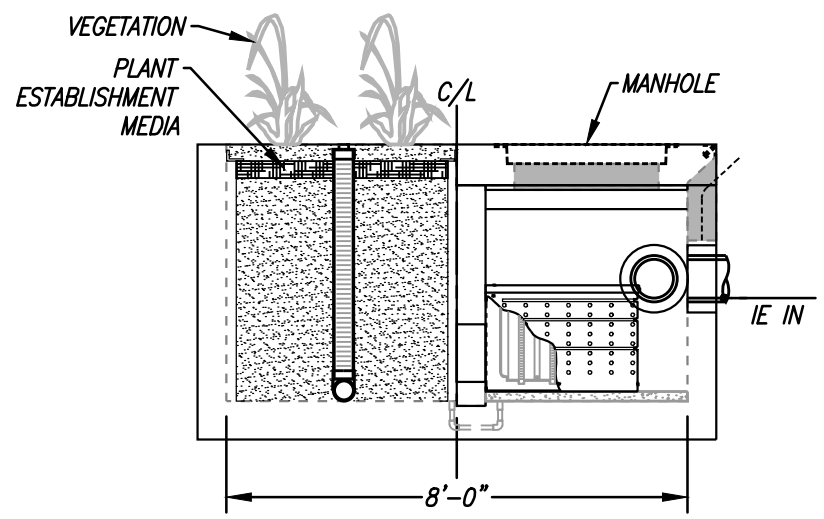
8/14/23SCOTT.SERTICH

SITE SPECIFIC DATA			
PROJECT NUMBER			
PROJECT NAME			
PROJECT LOCATION			
STRUCTURE ID			
TREATMENT REQUIRED			
TREATMENT FLOW (CFS)			
PRETREATMENT LOADING RATE (GPM/SF)			2.1 GPM/SF
WETLAND MEDIA LOADING RATE (GPM/SF)			1.0
PEAK BYPASS REQUIRED (CFS) – IF APPLICABLE			_____ (CFS)
PIPE DATA	I.E.	MATERIAL	DIAMETER
INLET PIPE 1			
INLET PIPE 2			
OUTLET PIPE			
	PRETREATMENT	BIOFILTRATION	DISCHARGE
RIM ELEVATION			
SURFACE LOAD	PEDESTRIAN		
NOTES:			

* PRELIMINARY ONLY - NOT FOR CONSTRUCTION



PLAN VIEW



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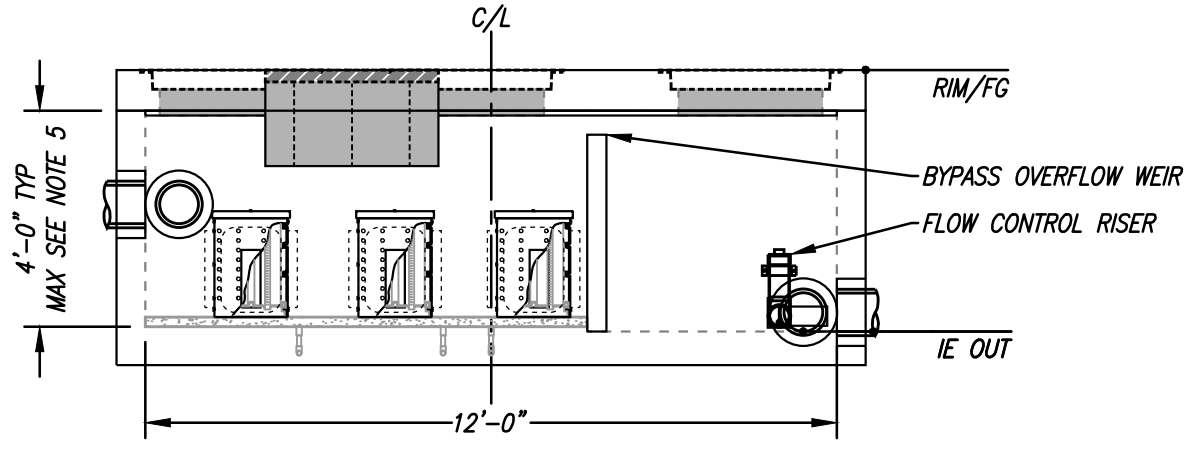
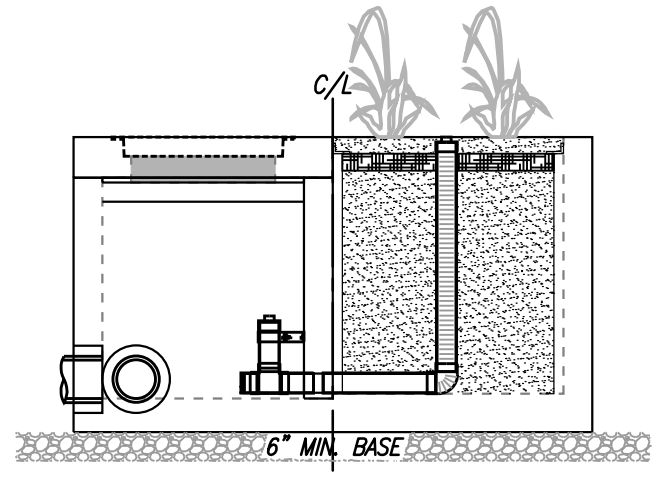


ELEVATION VIEW



RIGHT END VIEW

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MWS-L-8-12-V
STORMWATER BIOFILTRATION SYSTEM
STANDARD DETAIL

8/14/23SCOTT.SERTICH

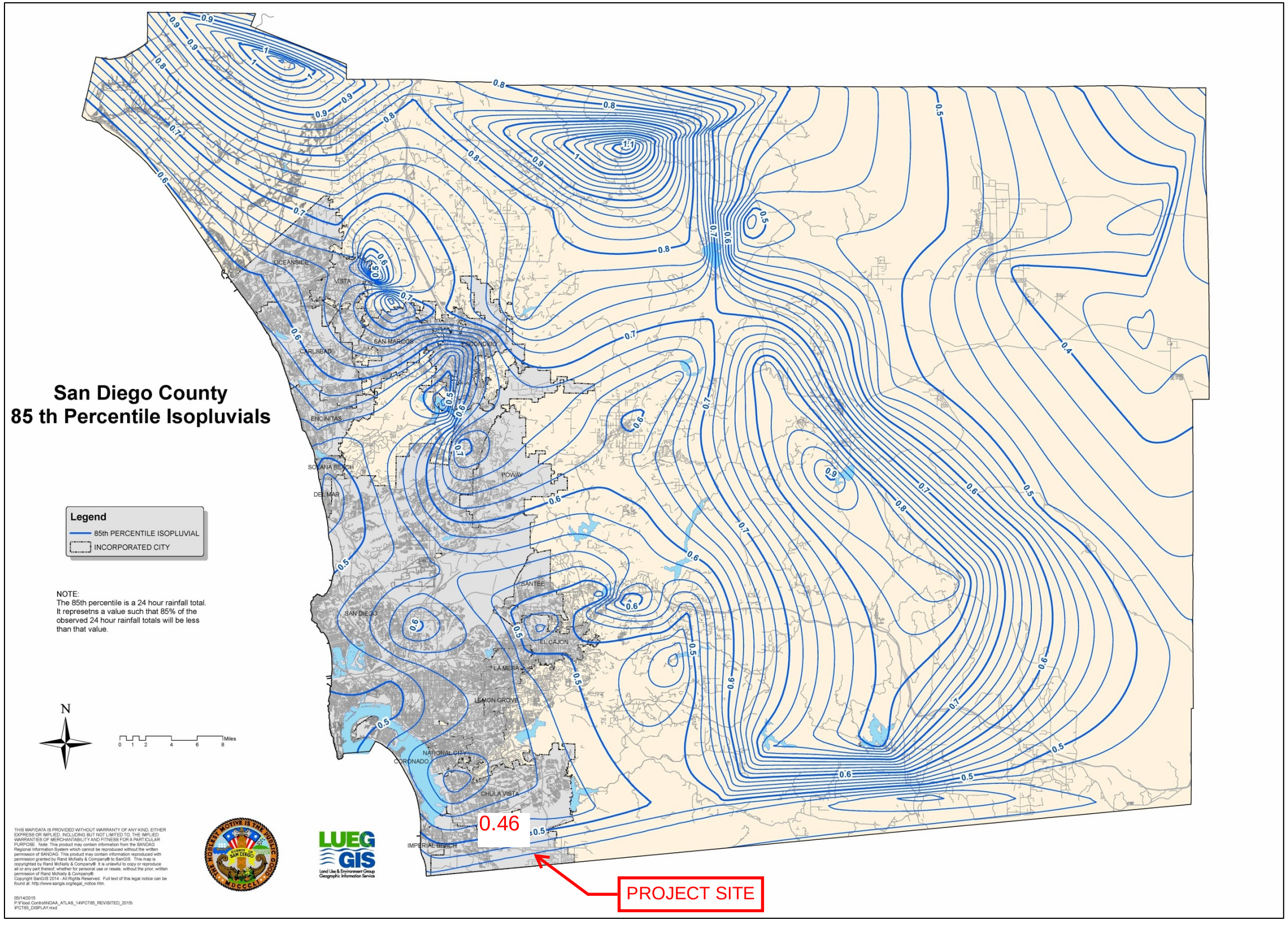


Figure B.1-1: 85th Percentile 24-hour Isopluvial Map

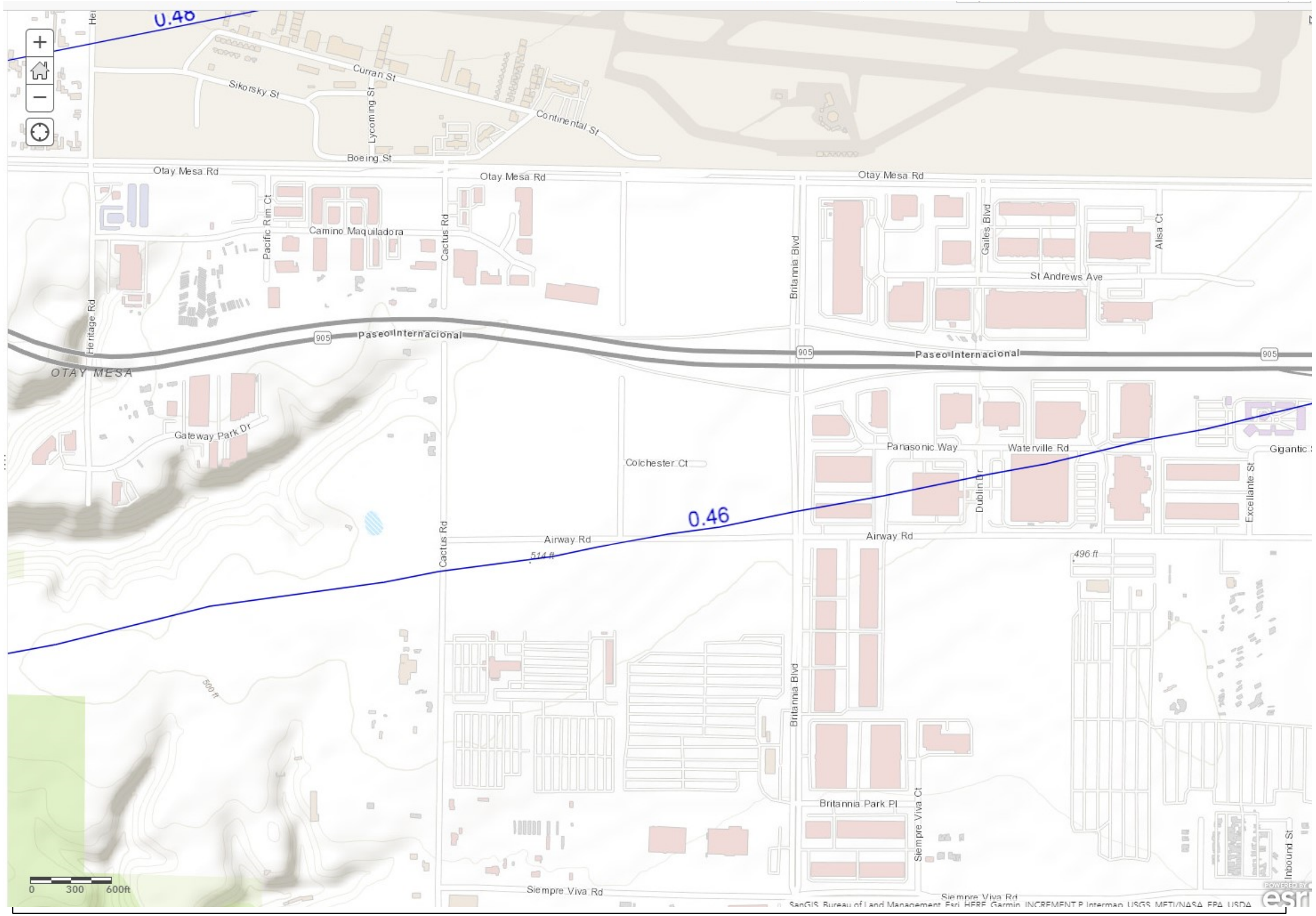


Figure B.1-1: 85th Percentile 24-hour Isopluvial Map

Map Scale: 1:4,910 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 50 100 200 300

Feet: 0 200 400 800 1200

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Rating Polygons

A

A/D

B

B/D

C

C/D

D

Not rated or not available

Soil Rating Lines

A

A/D

B

B/D

C

C/D

D

Not rated or not available

Soil Rating Points

A

A/D

B

B/D

C

C/D

D

Not rated or not available

Water Features

Streams and Canals

Transportation

Rails

Interstate Highways

US Routes

Major Roads

Local Roads

Background

Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: San Diego County Area, California
Survey Area Data: Version 19, Aug 30, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 24, 2022—Apr 29, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
OhF	Olivenhain cobbly loam, 30 to 50 percent slopes	D	6.8	6.5%
SuA	Stockpen gravelly clay loam, 0 to 2 percent slopes	D	50.7	48.6%
SuB	Stockpen gravelly clay loam, 2 to 5 percent slopes	D	46.9	45.0%
Totals for Area of Interest			**104.3**	**100.0%**

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition

Aggregation is the process by which a set of component attribute values is reduced to a single value that represents the map unit as a whole.

A map unit is typically composed of one or more "components". A component is either some type of soil or some nonsoil entity, e.g., rock outcrop. For the attribute being aggregated, the first step of the aggregation process is to derive one attribute value for each of a map unit's components. From this set of component attributes, the next step of the aggregation process derives a single value that represents the map unit as a whole. Once a single value for each map unit is derived, a thematic map for soil map units can be rendered. Aggregation must be done because, on any soil map, map units are delineated but components are not.

For each of a map unit's components, a corresponding percent composition is recorded. A percent composition of 60 indicates that the corresponding component typically makes up approximately 60% of the map unit. Percent composition is a critical factor in some, but not all, aggregation methods.

The aggregation method "Dominant Condition" first groups like attribute values for the components in a map unit. For each group, percent composition is set to the sum of the percent composition of all components participating in that group. These groups now represent "conditions" rather than components. The attribute value associated with the group with the highest cumulative percent composition is returned. If more than one group shares the highest cumulative percent composition, the corresponding "tie-break" rule determines which value should be returned. The "tie-break" rule indicates whether the lower or higher group value should be returned in the case of a percent composition tie. The result returned by this aggregation method represents the dominant condition throughout the map unit only when no tie has occurred.

Component Percent Cutoff: None Specified

Components whose percent composition is below the cutoff value will not be considered. If no cutoff value is specified, all components in the database will be considered. The data for some contrasting soils of minor extent may not be in the database, and therefore are not considered.

Tie-break Rule: Higher

The tie-break rule indicates which value should be selected from a set of multiple candidate values, or which value should be selected in the event of a percent composition tie.

CONTECH®
ENGINEERED SOLUTIONS

Modular Wetlands® Linear Stormwater Biofiltration

The experts you need to solve your stormwater challenges

Contech is the leader in stormwater solutions, helping engineers, contractors and owners with infrastructure and land development projects throughout North America.

With our responsive team of stormwater experts, local regulatory expertise and flexible solutions, Contech is the trusted partner you can count on for stormwater management solutions.

Your Contech Team

STORMWATER CONSULTANT

It's my job to recommend the best solution to meet permitting requirements.

STORMWATER DESIGN ENGINEER

I work with consultants to design the best approved solution to meet your project's needs.

REGULATORY MANAGER

I understand the local stormwater regulations and what solutions will be approved.

SALES ENGINEER

I make sure our solutions meet the needs of the contractor during construction.

Contech is your partner in stormwater management solutions

Restoring Nature's Presence in Urban Areas – Modular Wetlands® Linear

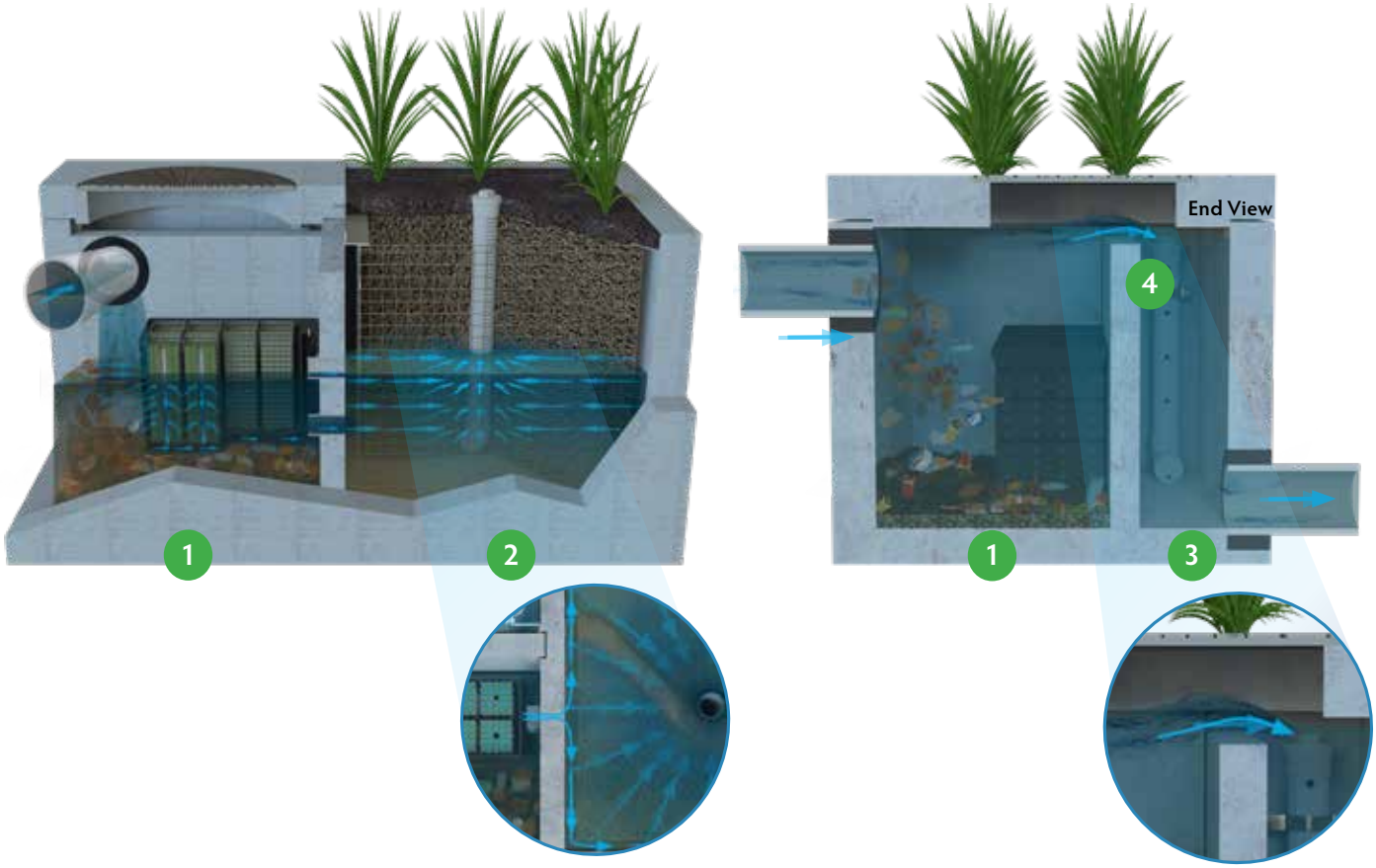
As cities grow, there is less space for natural solutions to treat stormwater. Contech understands this and is committed to providing compact, Low Impact Development (LID) solutions like the Modular Wetlands Linear to protect our nation's waterways.

The Modular Wetlands® Linear is the only biofiltration system to utilize patented horizontal flow, allowing for a small footprint, high treatment capacity, and design versatility. It is also the only biofiltration system that can be routinely installed downstream of storage for additional volume control and treatment.

With numerous regulatory approvals, the system's aesthetic appeal and superior pollutant removal make it the ideal solution for a wide range of stormwater applications, including urban development projects, commercial parking lots, residential streets, mixed-use developments, streetscapes, and more.

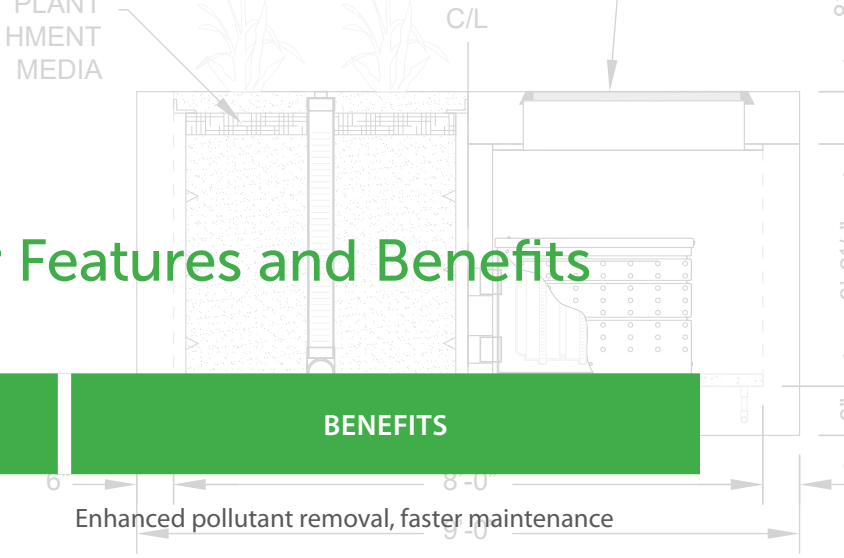
MODULAR WETLANDS®

How the Modular Wetlands® Linear Works



1. **PRETREATMENT** | Stormwater enters the pretreatment chamber where total suspended solids settle, and trash and debris are contained within the chamber. Stormwater then travels through the pretreatment filter boxes that provide additional treatment.
2. **BIOFILTRATION** | As water enters the biofiltration chamber, it fills the void space in the chamber's perimeter. Horizontal forces push the water inward through the biofiltration media, where nutrients and metals are captured. The water then enters the drain pipe to be discharged.
3. **DISCHARGE** | The specially designed vertical drain pipe and orifice control plate control the flow of water through the media to a level lower than the media's capacity, ensuring media effectiveness. The water then enters the horizontal drain pipe to be discharged.
4. **BYPASS** | During peak flows, an internal weir in the side-by-side configuration allows high flows to bypass treatment, eliminating flooding and the need for a separate bypass structure. Bypass is not provided in the end-to end configuration.

Using horizontal flow to improve performance



Modular Wetlands® Linear Features and Benefits

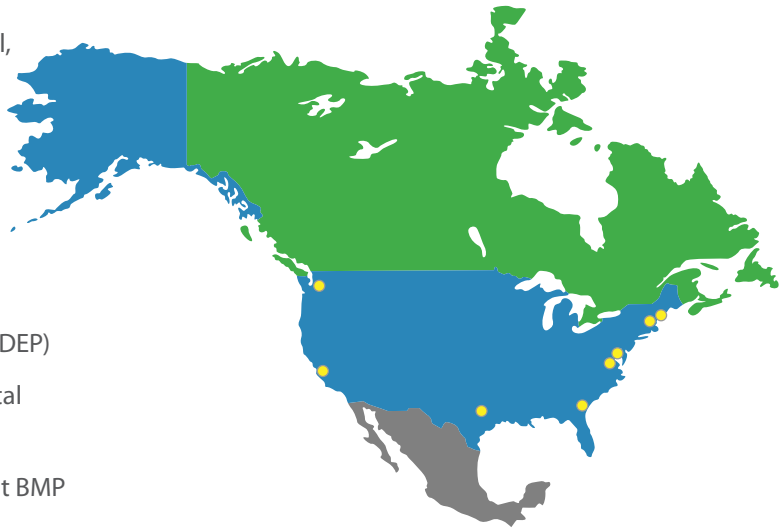
FEATURE	BENEFITS
Pretreatment chamber	Enhanced pollutant removal, faster maintenance
Horizontal flow biofiltration	Greater filter surface area
Performance verified by both the WA DOE and NJ DEP	Superior pollutant capture with confidence
Built-in high flow bypass	Eliminates flooding and the need for a separate bypass structure
Available in multiple configurations and sizes	Flexibility to meet site-specific needs

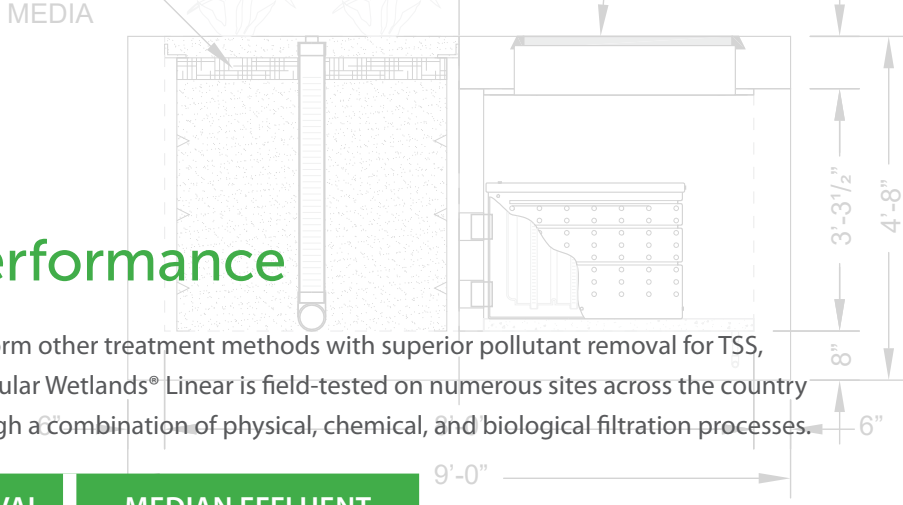
The Modular Wetlands system offers many different configurations.

Select Modular Wetlands® Linear Approvals

Modular Wetlands Linear is approved through numerous local, state and federal programs, including but not limited to:

- Washington State Department of Ecology TAPE
- California Water Resources Control Board, Full Capture Certification
- Virginia Department of Environmental Quality (VA DEQ)
- New Jersey Department of Environmental Protection (NJDEP)
- Maryland Department of the Environment - Environmental Site Design (ESD)
- Rhode Island Department of Environmental Management BMP
- Texas Commission on Environmental Quality (TCEQ)
- Atlanta Regional Commission Certification





Modular Wetlands® Performance

The Modular Wetlands® Linear continues to outperform other treatment methods with superior pollutant removal for TSS, heavy metals, nutrients, and hydrocarbons. The Modular Wetlands® Linear is field-tested on numerous sites across the country and is proven to effectively remove pollutants through a combination of physical, chemical, and biological filtration processes.

POLLUTANT OF CONCERN	MEDIAN REMOVAL EFFICIENCY	MEDIAN EFFLUENT CONCENTRATION (MG/L)
Total Suspended Solids (TSS)	89%	12
Total Phosphorus - TAPE (TP)	61%	0.041
Nitrogen (TN)	23%	1
Total Copper (TCu)	50%	0.006
Total Dissolved Copper	37%	0.006
Total Zinc (TZn)	66%	0.019
Dissolved Zinc	60%	0.0148
Motor Oil	79%	0.8

Sources:
TAPE Field Study - 2012
TAPE Field Study - 2013

Note: Some jurisdictions recognize higher removal rates. Contact your Contech Stormwater Consultant for performance expectations.

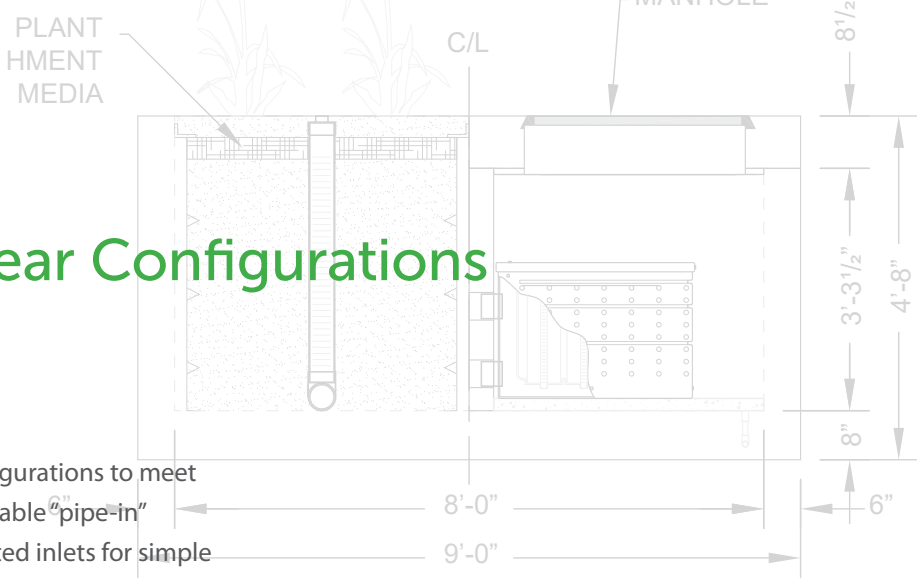
Modular Wetlands® Linear Maintenance

The Modular Wetlands® Linear is a self-contained treatment train. Maintenance requirements for the unit consist of five simple steps that can be completed using a vacuum truck. The system can also be cleaned by hand.

- Remove trash from the screening device
- Remove sediment from the separation chamber
- Periodically replace the pretreatment cartridge filter media
- Replace the drain down filter media
- Trim vegetation

Most Modular Wetland Linear systems can be cleaned in about thirty minutes.

Multiple configurations allow for easy site integration



Modular Wetlands® Linear Configurations

Multiple system configurations integrate with site hydraulic design and layout ...

The Modular Wetlands Linear is offered in multiple configurations to meet site specific needs. This highly versatile system has available "pipe-in" options on most models, along with built-in curb or grated inlets for simple integration into your storm drain design.

Curb Inlet

The Curb Inlet configuration accepts sheet flow through a curb opening and is commonly used along roadways and parking lots. It can be used in sump or flow-by conditions.

Vault

The Vault configuration can be used in end-of-the-line installations. Another benefit of the "pipe-in" design is the ability to install the system downstream of underground detention systems to meet water quality volume requirements, or for traffic-rated designs (no plants).

Downspout

The Downspout configuration is designed to accept a vertical downspout pipe from rooftop and podium areas. Some models have the option of utilizing an internal bypass, simplifying the overall design. The system can be installed as a raised planter, and the exterior can be stuccoed or covered with other finishes to match the look of adjacent buildings.

A partner you can rely on

STORMWATER SOLUTIONS

PIPE SOLUTIONS

STRUCTURES SOLUTIONS

Few companies offer the wide range of high-quality stormwater resources you can find with us — state-of-the-art products, decades of expertise, and all the maintenance support you need to operate your system cost-effectively.

THE CONTECH WAY

Contech® Engineered Solutions provides innovative, cost-effective site solutions to engineers, contractors, and developers on projects across North America. Our portfolio includes bridges, drainage, erosion control, retaining wall, sanitary sewer and stormwater management products.

TAKE THE NEXT STEP

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SPECIFICATIONS

FLOW-BASED DESIGNS

The Modular Wetlands® System Linear can be used in stand-alone applications to meet treatment flow requirements. Since the Modular Wetlands® is the only biofiltration system that can accept inflow pipes several feet below the surface, it can be used not only in decentralized design applications but also as a large central end-of-the-line application for maximum feasibility.

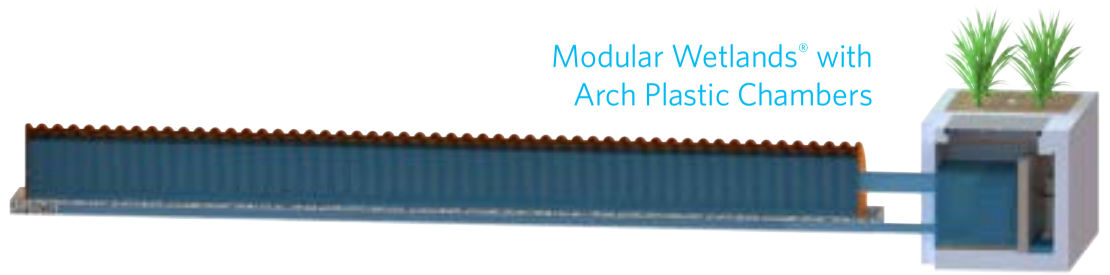
MODEL #	DIMENSIONS	WETLANDMEDIA SURFACE AREA (sq. ft.)	TREATMENT FLOW RATE (cfs)
MWS-L-4-4	4′ x 4′	23	0.052
MWS-L-4-6	4′ x 6′	32	0.073
MWS-L-4-8	4′ x 8′	50	0.115
MWS-L-4-13	4′ x 13′	63	0.144
MWS-L-4-15	4′ x 15′	76	0.175
MWS-L-4-17	4′ x 17′	90	0.206
MWS-L-4-19	4′ x 19′	103	0.237
MWS-L-4-21	4′ x 21′	117	0.268
MWS-L-6-8	7′ x 9′	64	0.147
MWS-L-8-8	8′ x 8′	100	0.230
MWS-L-8-12	8′ x 12′	151	0.346
MWS-L-8-16	8′ x 16′	201	0.462
MWS-L-8-20	9′ x 21′	252	0.577
MWS-L-8-24	9′ x 25′	302	0.693
MWS-L-10-20	10' x 20'	302	0.693

VOLUME-BASED DESIGNS

HORIZONTAL FLOW BIOFILTRATION ADVANTAGE

Modular Wetlands® with Box Culvert Prestorage

The Modular Wetlands® System Linear offers a unique advantage in the world of biofiltration due to its exclusive horizontal flow design: Volume-Based Design. No other biofilter has the ability to be placed downstream of detention ponds, extended dry detention basins, underground storage systems and permeable paver reservoirs. The systems horizontal flow configuration and built-in orifice control allows it to be installed with just 6" of fall between inlet and outlet pipe for a simple connection to projects with shallow downstream tie-in points. In the example above, the Modular Wetlands® is installed downstream of underground box culvert storage. Designed for the water quality volume, the Modular Wetlands® will treat and discharge the required volume within local draindown time requirements.



Modular Wetlands® with Arch Plastic Chambers

DESIGN SUPPORT

Bio Clean engineers are trained to provide you with superior support for all volume sizing configurations throughout the country. Our vast knowledge of state and local regulations allow us to quickly and efficiently size a system to maximize feasibility. Volume control and hydromodification regulations are expanding the need to decrease the cost and size of your biofiltration system. Bio Clean will help you realize these cost savings with the Modular Wetlands®, the only biofilter than can be used downstream of storage BMPs.

ADVANTAGES

- LOWER COST THAN FLOW-BASED DESIGN
- MEETS LID REQUIREMENTS
- BUILT-IN ORIFICE CONTROL STRUCTURE
- WORKS WITH DEEP INSTALLATIONS

WASHINGTON STATE DEPARTMENT OF ECOLOGY

July 2017

GENERAL USE LEVEL DESIGNATION FOR BASIC, ENHANCED, AND PHOSPHORUS TREATMENT

For the

MWS-Linear Modular Wetland

Ecology's Decision:

Based on Modular Wetland Systems, Inc. application submissions, including the Technical Evaluation Report, dated April 1, 2014, Ecology hereby issues the following use level designation:

1. General use level designation (GULD) for the MWS-Linear Modular Wetland Stormwater Treatment System for Basic treatment

    - Sized at a hydraulic loading rate of 1 gallon per minute (gpm) per square foot (sq ft) of wetland cell surface area. For moderate pollutant loading rates (low to medium density residential basins), size the Prefilters at 3.0 gpm/sq ft of cartridge surface area. For high loading rates (commercial and industrial basins), size the Prefilters at 2.1 gpm/sq ft of cartridge surface area.

2. General use level designation (GULD) for the MWS-Linear Modular Wetland Stormwater Treatment System for Phosphorus treatment

    - Sized at a hydraulic loading rate of 1 gallon per minute (gpm) per square foot (sq ft) of wetland cell surface area. For moderate pollutant loading rates (low to medium density residential basins), size the Prefilters at 3.0 gpm/sq ft of cartridge surface area. For high loading rates (commercial and industrial basins), size the Prefilters at 2.1 gpm/sq ft of cartridge surface area.

3. General use level designation (GULD) for the MWS-Linear Modular Wetland Stormwater Treatment System for Enhanced treatment

    - Sized at a hydraulic loading rate of 1 gallon per minute (gpm) per square foot (sq ft) of wetland cell surface area. For moderate pollutant loading rates (low to medium density residential basins), size the Prefilters at 3.0 gpm/sq ft of cartridge surface area. For high loading rates (commercial and industrial basins), size the Prefilters at 2.1 gpm/sq ft of cartridge surface area.

4. Ecology approves the MWS - Linear Modular Wetland Stormwater Treatment System units for Basic, Phosphorus, and Enhanced treatment at the hydraulic loading rate listed above. Designers shall calculate the water quality design flow rates using the following procedures:

   - Western Washington: For treatment installed upstream of detention or retention, the water quality design flow rate is the peak 15-minute flow rate as calculated using the latest version of the Western Washington Hydrology Model or other Ecology-approved continuous runoff model.
   - Eastern Washington: For treatment installed upstream of detention or retention, the water quality design flow rate is the peak 15-minute flow rate as calculated using one of the three methods described in Chapter 2.2.5 of the Stormwater Management Manual for Eastern Washington (SWMMEW) or local manual.
   - Entire State: For treatment installed downstream of detention, the water quality design flow rate is the full 2-year release rate of the detention facility.

5. These use level designations have no expiration date but may be revoked or amended by Ecology, and are subject to the conditions specified below.

Ecology's Conditions of Use:

Applicants shall comply with the following conditions:

1. Design, assemble, install, operate, and maintain the MWS – Linear Modular Wetland Stormwater Treatment System units, in accordance with Modular Wetland Systems, Inc. applicable manuals and documents and the Ecology Decision.
2. Each site plan must undergo Modular Wetland Systems, Inc. review and approval before site installation. This ensures that site grading and slope are appropriate for use of a MWS – Linear Modular Wetland Stormwater Treatment System unit.
3. MWS – Linear Modular Wetland Stormwater Treatment System media shall conform to the specifications submitted to, and approved by, Ecology.
4. The applicant tested the MWS – Linear Modular Wetland Stormwater Treatment System with an external bypass weir. This weir limited the depth of water flowing through the media, and therefore the active treatment area, to below the root zone of the plants. This GULD applies to MWS – Linear Modular Wetland Stormwater Treatment Systems whether plants are included in the final product or not.
5. Maintenance: The required maintenance interval for stormwater treatment devices is often dependent upon the degree of pollutant loading from a particular drainage basin. Therefore, Ecology does not endorse or recommend a "one size fits all" maintenance cycle for a particular model/size of manufactured filter treatment device.

   - Typically, Modular Wetland Systems, Inc. designs MWS - Linear Modular Wetland systems for a target prefilter media life of 6 to 12 months.
   - Indications of the need for maintenance include effluent flow decreasing to below the design flow rate or decrease in treatment below required levels.
   - Owners/operators must inspect MWS - Linear Modular Wetland systems for a minimum of twelve months from the start of post-construction operation to determine site-specific

maintenance schedules and requirements. You must conduct inspections monthly during the wet season, and every other month during the dry season. (According to the SWMMWW, the wet season in western Washington is October 1 to April 30. According to SWMMEW, the wet season in eastern Washington is October 1 to June 30). After the first year of operation, owners/operators must conduct inspections based on the findings during the first year of inspections.

- Conduct inspections by qualified personnel, follow manufacturer's guidelines, and use methods capable of determining either a decrease in treated effluent flowrate and/or a decrease in pollutant removal ability.
- When inspections are performed, the following findings typically serve as maintenance triggers:
    - Standing water remains in the vault between rain events, or
    - Bypass occurs during storms smaller than the design storm.
    - If excessive floatables (trash and debris) are present (but no standing water or excessive sedimentation), perform a minor maintenance consisting of gross solids removal, not prefilter media replacement.
    - Additional data collection will be used to create a correlation between pretreatment chamber sediment depth and pre-filter clogging (see *Issues to be Addressed by the Company* section below)

6. Discharges from the MWS - Linear Modular Wetland Stormwater Treatment System units shall not cause or contribute to water quality standards violations in receiving waters.

Applicant:	Modular Wetland Systems, Inc.
Applicant's Address:	*PO. Box 869* *Oceanside, CA 92054*

Application Documents:

- *Original Application for Conditional Use Level Designation*, Modular Wetland System, Linear Stormwater Filtration System Modular Wetland Systems, Inc., January 2011
- *Quality Assurance Project Plan*: Modular Wetland system – Linear Treatment System performance Monitoring Project, draft, January 2011.
- *Revised Application for Conditional Use Level Designation*, Modular Wetland System, Linear Stormwater Filtration System Modular Wetland Systems, Inc., May 2011
- *Memorandum: Modular Wetland System-Linear GULD Application Supplementary Data, April 2014*
- *Technical Evaluation Report: Modular Wetland System Stormwater Treatment System Performance Monitoring, April 2014.*

Applicant's Use Level Request:

General use level designation as a Basic, Enhanced, and Phosphorus treatment device in accordance with Ecology's Guidance for Evaluating Emerging Stormwater Treatment Technologies Technology Assessment Protocol – Ecology (TAPE) January 2011 Revision.

Applicant's Performance Claims:

- The MWS – Linear Modular wetland is capable of removing a minimum of 80-percent of TSS from stormwater with influent concentrations between 100 and 200 mg/l.
- The MWS – Linear Modular wetland is capable of removing a minimum of 50-percent of Total Phosphorus from stormwater with influent concentrations between 0.1 and 0.5 mg/l.
- The MWS – Linear Modular wetland is capable of removing a minimum of 30-percent of dissolved Copper from stormwater with influent concentrations between 0.005 and 0.020 mg/l.
- The MWS – Linear Modular wetland is capable of removing a minimum of 60-percent of dissolved Zinc from stormwater with influent concentrations between 0.02 and 0.30 mg/l.

Ecology Recommendations:

- Modular Wetland Systems, Inc. has shown Ecology, through laboratory and field-testing, that the MWS - Linear Modular Wetland Stormwater Treatment System filter system is capable of attaining Ecology's Basic, Total phosphorus, and Enhanced treatment goals.

Findings of Fact:

<u>Laboratory Testing</u>

The MWS-Linear Modular wetland has the:

- Capability to remove 99 percent of total suspended solids (using Sil-Co-Sil 106) in a quarter-scale model with influent concentrations of 270 mg/L.
- Capability to remove 91 percent of total suspended solids (using Sil-Co-Sil 106) in laboratory conditions with influent concentrations of 84.6 mg/L at a flow rate of 3.0 gpm per square foot of media.
- Capability to remove 93 percent of dissolved Copper in a quarter-scale model with influent concentrations of 0.757 mg/L.
- Capability to remove 79 percent of dissolved Copper in laboratory conditions with influent concentrations of 0.567 mg/L at a flow rate of 3.0 gpm per square foot of media.
- Capability to remove 80.5-percent of dissolved Zinc in a quarter-scale model with influent concentrations of 0.95 mg/L at a flow rate of 3.0 gpm per square foot of media.
- Capability to remove 78-percent of dissolved Zinc in laboratory conditions with influent concentrations of 0.75 mg/L at a flow rate of 3.0 gpm per square foot of media.

Field Testing

- Modular Wetland Systems, Inc. conducted monitoring of an MWS-Linear (Model # MWS-L-4-13) from April 2012 through May 2013, at a transportation maintenance facility in Portland, Oregon. The manufacturer collected flow-weighted composite samples of the system's influent and effluent during 28 separate storm events. The system treated approximately 75 percent of the runoff from 53.5 inches of rainfall during the monitoring period. The applicant sized the system at 1 gpm/sq ft. (wetland media) and 3gpm/sq ft. (prefilter).
- Influent TSS concentrations for qualifying sampled storm events ranged from 20 to 339 mg/L. Average TSS removal for influent concentrations greater than 100 mg/L (n=7) averaged 85 percent. For influent concentrations in the range of 20-100 mg/L (n=18), the upper 95 percent confidence interval about the mean effluent concentration was 12.8 mg/L.
- Total phosphorus removal for 17 events with influent TP concentrations in the range of 0.1 to 0.5 mg/L averaged 65 percent. A bootstrap estimate of the lower 95 percent confidence limit (LCL95) of the mean total phosphorus reduction was 58 percent.
- The lower 95 percent confidence limit of the mean percent removal was 60.5 percent for dissolved zinc for influent concentrations in the range of 0.02 to 0.3 mg/L (n=11). The lower 95 percent confidence limit of the mean percent removal was 32.5 percent for dissolved copper for influent concentrations in the range of 0.005 to 0.02 mg/L (n=14) at flow rates up to 28 gpm (design flow rate 41 gpm). Laboratory test data augmented the data set, showing dissolved copper removal at the design flow rate of 41 gpm (93 percent reduction in influent dissolved copper of 0.757 mg/L).

Issues to be addressed by the Company:

1. Modular Wetland Systems, Inc. should collect maintenance and inspection data for the first year on all installations in the Northwest in order to assess standard maintenance requirements for various land uses in the region. Modular Wetland Systems, Inc. should use these data to establish required maintenance cycles.
2. Modular Wetland Systems, Inc. should collect pre-treatment chamber sediment depth data for the first year of operation for all installations in the Northwest. Modular Wetland Systems, Inc. will use these data to create a correlation between sediment depth and pre-filter clogging.

Technology Description:
Download at http://www.modularwetlands.com/

Contact Information:

Applicant: Zach Kent
BioClean A Forterra Company.
398 Vi9a El Centro
Oceanside, CA 92058
zach.kent@forterrabp.com

Applicant website: http://www.modularwetlands.com/

Ecology web link: http://www.ecy.wa.gov/programs/wg/stormwater/newtech/index.html

Ecology: Douglas C. Howie, P.E.
Department of Ecology
Water Quality Program
(360) 407-6444
douglas.howie@ecy.wa.gov

Revision History

Date	**Revision**
June 2011	Original use-level-designation document
September 2012	Revised dates for TER and expiration
January 2013	Modified Design Storm Description, added Revision Table, added maintenance discussion, modified format in accordance with Ecology standard
December 2013	Updated name of Applicant
April 2014	Approved GULD designation for Basic, Phosphorus, and Enhanced treatment
December 2015	Updated GULD to document the acceptance of MWS-Linear Modular Wetland installations with or without the inclusion of plants
July 2017	Revised Manufacturer Contact Information (name, address, and email)

Biofiltration Criteria Checklist

The applicant must provide documentation of compliance with each criterion in this checklist as part of the project submittal. The right column of this checklist identifies the submittal information that is recommended to document compliance with each criterion. Biofiltration BMPs that substantially meet all aspects of Fact Sheets PR-1 or BF-1 should still use this checklist; however additional documentation (beyond what is already required for project submittal) should not be required.

1	**Biofiltration BMPs shall be allowed to be used only as described in the BMP selection process based on a documented feasibility analysis.** Intent: This manual defines a specific prioritization of pollutant treatment BMPs, where BMPs that retain water (retained includes evapotranspired, infiltrated, and/or harvested and used) must be used before considering BMPs that have a biofiltered discharge to the MS4 or surface waters. Use of a biofiltration BMP in a manner in conflict with this prioritization (i.e., without a feasibility analysis justifying its use) is not permitted, regardless of the adequacy of the sizing and design of the system.	
□	The project applicant has demonstrated that it is not technically feasible to retain the full DCV onsite.	Document feasibility analysis and findings in the PDP SWQMP. Applicant must include harvest and use feasibility and infiltration feasibility in the PDP SWQMP
2	**Biofiltration BMPs must be sized using acceptable sizing methods.** Intent: The MS4 Permit and this manual defines specific sizing methods that must be used to size biofiltration BMPs. Sizing of biofiltration BMPs is a fundamental factor in the amount of storm water that can be treated and also influences volume and pollutant retention processes.	
□	The project applicant has demonstrated that biofiltration BMPs are sized to meet one of the biofiltration sizing options available (Appendix B.5).	Submit sizing worksheets (Appendix B.5) or other equivalent documentation (such as results derived from continuous simulation calculations of treatment volume, retention, etc.) with the PDP SWQMP.
3	**Biofiltration BMPs must be sited and designed to achieve maximum feasible infiltration and evapotranspiration.** Intent: Various decisions about BMP placement and design influence how much water is retained via infiltration and evapotranspiration. The MS4 Permit requires that biofiltration BMPs achieve maximum feasible retention (evapotranspiration and infiltration) of storm water volume.	
□	The biofiltration BMP is sited to allow for maximum infiltration of runoff volume based on the feasibility factors considered in site planning efforts. It is also designed to maximize evapotranspiration through the use of amended media and plants.	Document site planning and feasibility analyses in PDP SWQMP per Section 5.4.
□	The biofiltration BMP meets the volume retention performance standard specified in Table B.5-1 in Appendix B.5.	Included documentation in the PDP SWQMP using worksheets in Appendix B.5 that show that the volume retention performance standard is met. Note, retention depth profiles that are too shallow or too deep may not be acceptable.

□	An impermeable liner or other hydraulic restriction layer on the bottom of the BMP is only used when needed to avoid geotechnical and/or subsurface contamination issues in locations identified as "No Infiltration Condition."	If using an impermeable liner or hydraulic restriction layer, provide documentation of feasibility findings per Appendix C that recommend the use of this feature.
4	**Biofiltration BMPs must be designed with a hydraulic loading rate to maximize pollutant retention, preserve pollutant control processes, and minimize potential for pollutant washout.** Intent: Various decisions about biofiltration BMP design influence the degree to which pollutants are retained. The MS4 Permit requires that biofiltration BMPs achieve maximum feasible retention of storm water pollutants.	
□	Media selected for the biofiltration BMP meets minimum quality and material specifications per Appendix F.3 or County LID Manual, including the maximum allowable design filtration rate and minimum thickness of media. OR Alternatively, for proprietary designs and custom media mixes not meeting the media specifications contained in Appendix F.3 or County LID Manual, field scale testing data are provided to demonstrate that proposed media meets the pollutant treatment performance criteria in Section F.1 below.	Provide documentation that media meets the specifications in Appendix F.3 or County LID Manual. Provide documentation of performance information as described in Section F.1.
□	To the extent practicable, filtration rates are outlet controlled (e.g., via an underdrain and orifice/weir) instead of controlled by the infiltration rate of the media.	Include outlet control in designs or provide documentation of why outlet control is not practicable.
□	Surface ponding is limited to 24 hours from the end of storm event flow to preserve plant health and promote healthy soil structure.	Include calculations to demonstrate that drawdown rate is adequate. Surface ponding drawdown time greater than 24-hours but less than 96 hours may be allowed at the discretion of the City Engineer if certified by a landscape architect or agronomist.
□	If nutrients are a pollutant of concern, design of the biofiltration BMP follows nutrient-sensitive design criteria.	Follow specifications for nutrient sensitive design in Fact Sheet BF-2. Or provide alternative documentation that nutrient treatment is addressed and potential for nutrient release is minimized.
□	Media gradation calculations demonstrate that migration of media between layers will be prevented and permeability will be preserved.	Follow specification for choking layer in Fact Sheet PR-1 or BF-1. Or include calculations to demonstrate that choking layer is appropriately specified.

5	**Biofiltration BMPs must be designed to promote appropriate biological activity to support and maintain treatment processes.** Intent: Biological processes are an important element of biofiltration performance and longevity.	
☐	Plants have been selected to be tolerant of project climate, design ponding depths and the treatment media composition.	Provide documentation justifying plant selection. Refer to the plant list in Appendix E.26.
☐	Plants have been selected to minimize irrigation requirements.	Provide documentation describing irrigation requirements for establishment and long term operation.
☐	Plant location and growth will not impede expected long-term media filtration rates and will enhance long term infiltration rates to the extent possible.	Provide documentation justifying plant selection. Refer to the plant list in Appendix E.26.
6	**Biofiltration BMPs must be designed with a hydraulic loading rate to prevent erosion, scour, and channeling within the BMP.** Intent: Erosion, scour, and/or channeling can disrupt treatment processes and reduce biofiltration effectiveness.	
☐	Scour protection has been provided for both sheet flow and pipe inflows to the BMP, where needed.	Provide documentation of scour protection as described in Fact Sheets PR-1 or BF-1 or approved equivalent.
☐	Where scour protection has not been provided, flows into and within the BMP are kept to non-erosive velocities.	Provide documentation of design checks for erosive velocities as described in Fact Sheets PR-1 or BF-1 or approved equivalent.
☐	For proprietary BMPs, the BMP is used in a manner consistent with manufacturer guidelines and conditions of its third-party certification[21] (i.e., maximum tributary area, maximum inflow velocities, etc., as applicable).	Provide copy of manufacturer recommendations and conditions of third-party certification.

[21]Certifications or verifications issued by the Washington Technology Acceptance Protocol-Ecology program and the New Jersey Corporation for Advanced Technology programs are typically accompanied by a set of guidelines regarding appropriate design and maintenance conditions that would be consistent with the certification/verification

7	**Biofiltration BMP must include operations and maintenance design features and planning considerations for continued effectiveness of pollutant and flow control functions.** Intent: Biofiltration BMPs require regular maintenance in order provide ongoing function as intended. Additionally, it is not possible to foresee and avoid potential issues as part of design; therefore, plans must be in place to correct issues if they arise.	
□	The biofiltration BMP O&M plan describes specific inspection activities, regular/periodic maintenance activities and specific corrective actions relating to scour, erosion, channeling, media clogging, vegetation health, and inflow and outflow structures.	Include O&M plan with project submittal as described in Chapter 7.
□	Adequate site area and features have been provided for BMP inspection and maintenance access.	Illustrate maintenance access routes, setbacks, maintenance features as needed on project water quality plans.
□	For proprietary biofiltration BMPs, the BMP maintenance plan is consistent with manufacturer guidelines and conditions of its third-party certification (i.e., maintenance activities, frequencies).	Provide copy of manufacturer recommendations and conditions of third-party certification.

Modular Wetland System - Linear® Plants for Hardy Zone 10

Common Name ***Latin Name***	**Light Exposure**	**Hardy Range**	**Height**	**Flower Color**
canna, canna tropicana, canna lilly *Canna X generalis*	full sun to partial shade	USDA Zones 8-11	2.5 to 8 feet	yellow, orange, red
Lily-of-the-Nile, African Lily, African Blue Lily *Agapanthus spp*	full sun to partial shade	USDA Zones 8-11	2 to 4 feet	blue
Vetiveria zizanioides (L.) Nash Vetiver Grass	full sun	USDA Zones 5-11	2 to 8 feet	green
giant wild rye *Leymus condensatus*	full sun	USDA Zones 3-11	4 to 8 feet	brown
society garlic, pink agapanthus *Tulbaghia violacea*	full sun to full shade	USDA Zones 7-10	1.5 to 3 feet	lavender
Gulf muhlygrass, mist grass, hairawn muhly *Muhlenbergia capillaris*	full sun to partial shade	USDA Zones 5-10	2 to 3 feet	pinkish purple
Lindheimer's muhlygrass, blue muhlygrass *Muhlenbergia lindheimeri*	full sun	USDA Zones 7-11	2 to 4 feet	purple to gray
horsetail, scouring rush, E. prealtum *Equisetum hyemale*	full sun to light shade	USDA Zones 3-11	2 to 4 feet	n/a
cattail, reed-mace *Typha latifolia*	full sun	USDA Zones 2-11	3 to 9 feet	brown
papyrus, Egyptian papyrus, bulrushes *Cyperus papyrus*	full sun to partial shade	USDA Zones 9-11	2 to 10 feet	white
lavender *Lavandula L.*	sun	USDA Zones 5-10	1 to 2 feet	purple

palm sedge *Carex phyllocephala*	full sun to full shade	USDA Zones 7-10	1 to 2 feet	green
lemongrass, oil grass *Cymbopogon citratus*	full sun to partial shade	USDA Zones 10-11	4 to 6 feet	n/a
umbrella sedge, umbrella plant *Cyperus involucratus*	full sun to partial shade	USDA Zones 8-11	2 to 6 feet	green/white
feather grass, Mexican needle grass *Nassella tenuissima*	full sun to partial shade	USDA Zones 7-11	2 to 3 feet	green/brown
sea oats, Chasmanthium paniculatum *Uniola paniculata*	full sun to partial shade	USDA Zones 6-10	3 to 6 feet	golden/brown
Cape lily, Powell's crinum lily *Crinum X powellii*	full sun to partial shade	USDA Zones 6-11	3 to 4 feet	white/pink
African iris, fortnight lily, morea iris *Dietes iridioides*	full sun to partial shade	USDA Zones 8-10	2 to 4 feet	white/purple
whirling butterflies, white gaura *Gaura lindheimeri*	full sun to partial shade	USDA Zones 5-10	2 to 4 feet	white/pink
daylily *Hemerocallis hybrids*	full sun to partial shade	USDA Zones 2-10	1 to 3.5 feet	various
Adam's needle, bear grass, weak-leaf yucca *Yucca filamentosa*	full sun	USDA Zones 5-10	3 to 5 feet	white
brome hummock sedge *carex bromoides*	full sun to partial shade	USDA Zones 2-10	1 ft	green

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The Modular Wetland System - Linear® standard 22' long system will require 18 to 20 plants. Different size systems will require different plant quanitities; please contact us for detailed information.

The plants listed are tolerant to drought and have deep roots to allow for ehanced pollutant removal.

These plants are subject to availability in local areas. If you would like to use a different plant please contact us. We will work with you to ensure the chosen plants work with the projects current landscape theme.

The Modular Wetland System - Linear® should be irrigated like any other planter area. The plants in the system must receive adequate irrigation to ensure plant survival during periods of drier weather. As with all landscape areas the plants within the Modular Wetland System - Linear will require more frequent watering during the establishment period.

For more information please contact at: 760-433-7640 or email: info@modularwetlands.com

E.18 BF-1 Biofiltration

Location: 43rd Street and Logan Avenue, San Diego, California

MS4 Permit Category
Biofiltration
Manual Category
Biofiltration
Applicable Performance Standard
Pollutant Control Flow Control
Primary Benefits
Treatment Volume Reduction (Incidental) Peak Flow Attenuation (Optional)

Description

Biofiltration (Bioretention with underdrain) facilities are vegetated surface water systems that filter water through vegetation, and soil or engineered media prior to discharge via underdrain or overflow to the downstream conveyance system. Bioretention with underdrain facilities are commonly incorporated into the site within parking lot landscaping, along roadsides, and in open spaces. Because these types of facilities have limited or no infiltration, they are typically designed to provide enough hydraulic head to move flows through the underdrain connection to the storm drain system. Treatment is achieved through filtration, sedimentation, sorption, biochemical processes and plant uptake.

Typical bioretention with underdrain components include:

- Inflow distribution mechanisms (e.g, perimeter flow spreader or filter strips)
- Energy dissipation mechanism for concentrated inflows (e.g., splash blocks or riprap)
- Shallow surface ponding for captured flows
- Side slope and basin bottom vegetation selected based on expected climate and ponding depth
- Non-floating mulch layer
- Media layer (planting mix or engineered media) capable of supporting vegetation growth
- Filter course layer (aka choking layer) consisting of aggregate to prevent the migration of fines into uncompacted native soils or the aggregate storage layer
- Aggregate storage layer with underdrain(s)
- Impermeable liner or uncompacted native soils at the bottom of the facility
- Overflow structure

Design Adaptations for Project Goals

Biofiltration Treatment BMP for storm water pollutant control. The system is lined or un-lined to provide incidental infiltration, and an underdrain is provided at the bottom to carry away filtered runoff. This configuration is considered to provide biofiltration treatment via flow through the media layer. Storage provided above the underdrain within surface ponding, media, and aggregate storage is considered included in the biofiltration treatment volume. Saturated storage within the aggregate storage layer can be added to this design by raising the underdrain above the bottom of the aggregate storage layer or via an internal weir structure designed to maintain a specific water level elevation.

Integrated storm water flow control and pollutant control configuration. The system can be designed to provide flow rate and duration control by primarily providing increased surface ponding and/or having a deeper aggregate storage layer above the underdrain. This will allow for significant detention storage, which can be controlled via inclusion of an outlet structure at the downstream end of the underdrain.

Recommended Siting Criteria

	Siting Criteria	Intent/Rationale
□	Placement observes geotechnical recommendations regarding potential hazards (e.g., slope stability, landslides, liquefaction zones) and setbacks (e.g., slopes, foundations, utilities).	Must not negatively impact existing site geotechnical concerns.
□	An impermeable liner or other hydraulic restriction layer is included if site constraints indicate that infiltration or lateral flows should not be allowed.	Lining prevents storm water from impacting groundwater and/or sensitive environmental or geotechnical features. Incidental infiltration, when allowable, can aid in pollutant removal and groundwater recharge.
□	Contributing tributary area shall be ≤ 5 acres (≤ 1 acre preferred).	Bigger BMPs require additional design features for proper performance. Contributing tributary area greater than 5 acres may be allowed at the discretion of the City Engineer if the following conditions are met: 1) incorporate design features (e.g. flow spreaders) to minimizing short circuiting of flows in the BMP and 2) incorporate additional design features requested by the City Engineer for proper performance of the regional BMP.
□	Finish grade of the facility is ≤ 2%.	Flatter surfaces reduce erosion and channelization within the facility.

Example Schematic Design – Plan and Section View

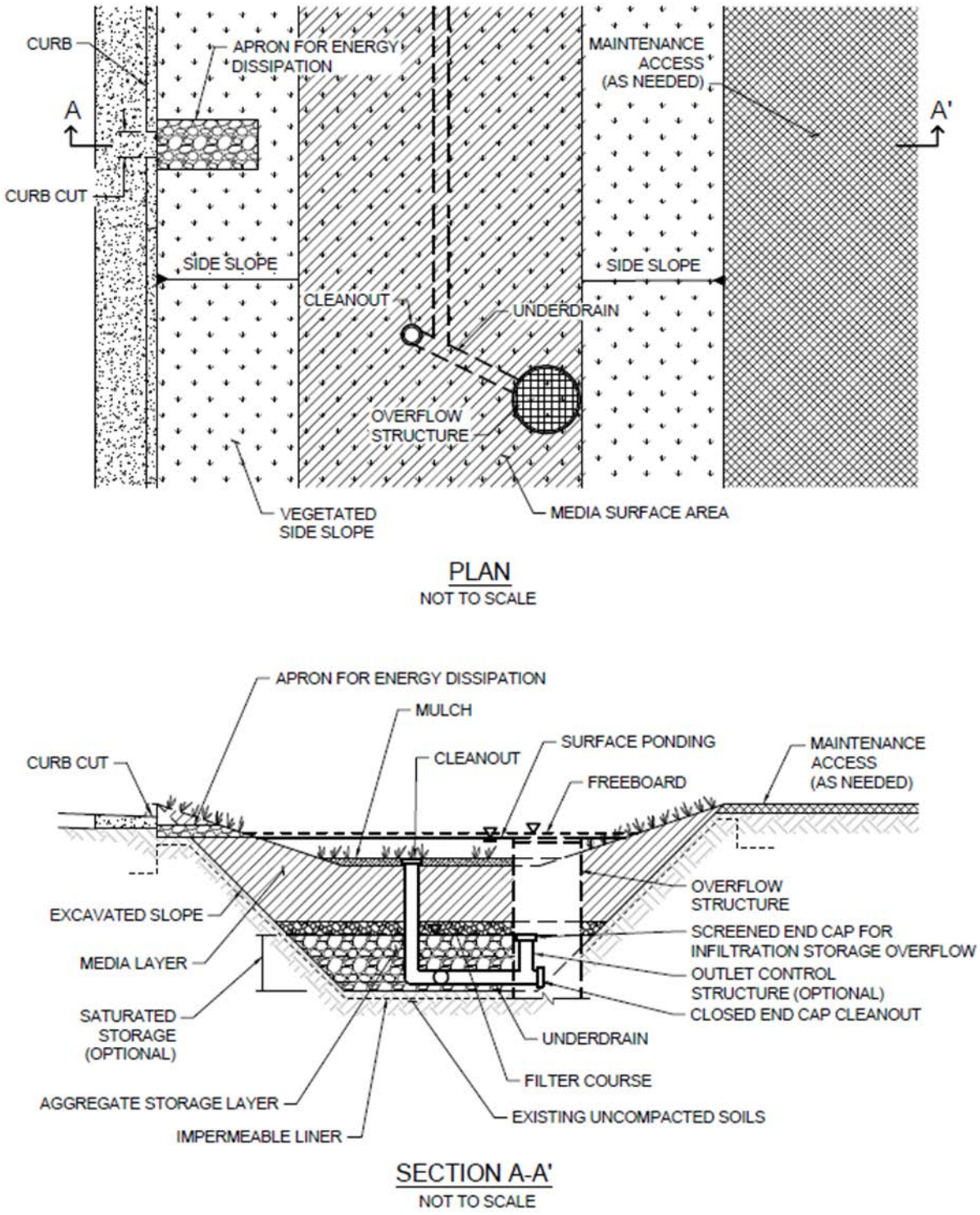

Figure E.18-1 : Typical Plan and Section View of a Biofiltration BMP

Recommended BMP Component Dimensions

BMP Component	Dimension	Intent/Rationale
Freeboard	≥ 2 inches	Freeboard provides room for head over overflow structures and minimizes risk of uncontrolled surface discharge.
Surface Ponding	≥ 6 and ≤ 12 inches	The minimum ponding depth is required so that the runoff is uniformly spread throughout the basin (minimizes the likelihood of short circuiting). Deep surface ponding raises safety concerns. When the BMP is adjoining walkways the minimum surface ponding depth can be reduced to 4 inches. Surface ponding depth greater than 12 inches (for additional pollutant control or surface outlet structures or flow-control orifices) may be allowed at the discretion of the City Engineer if the following conditions are met: 1) surface ponding depth drawdown time is less than 24 hours; and 2) safety issues and fencing requirements are considered (typically ponding greater than 18" will require a fence) and 3) potential for elevated clogging risk is evaluated (Worksheet B.5.4).
Ponding Area Side Slopes	3H:1V or shallower	Gentler side slopes are safer, less prone to erosion, able to establish vegetation more quickly and easier to maintain.
Mulch	≥ 3 inches	Mulch will suppress weeds and maintain moisture for plant growth.
Media Layer	≥ 18 inches	A deep media layer provides additional filtration and supports plants with deeper roots. Where the minimum depth of 18 inches is used, only shallow-rooted species shall be planted. A minimum 24-inch media layer shall typically be required to support vegetation, with a minimum 36-inch media layer depth required for trees.
Filter Course	6 inches	To reduce clogging potential, a two-layer filter course (aka choking stone system) is used consisting of one 3" layer of clean and washed ASTM 33 Fine Aggregate Sand overlying a 3" layer of ASTM No 8 Stone (Appendix F.4). This specification has been developed to maintain permeability while limiting the migration of media material into the stone reservoir and underdrain system.
Underdrain Diameter	≥ 8 inches	Minimum diameter required for maintenance by City crews. For privately maintained BMPs, a minimum underdrain diameter of 6 inches is allowed.
Cleanout Diameter	≥ 8 inches	Facilitates simpler cleaning, when needed. For privately maintained BMPs, cleanout diameter of 6 inches is allowed.

Deviations to the recommended BMP component dimensions may be approved at the discretion of the City Engineer if it is determined to be appropriate.

Design Criteria and Considerations

Bioretention with underdrain must meet the following design criteria. Deviations from the below criteria may be approved at the discretion of the City Engineer if it is determined to be appropriate:

	Design Criteria	Intent/Rationale
Surface Ponding		
□	Surface ponding is limited to a 24-hour drawdown time.	Surface ponding limited to 24 hour for plant health. Surface ponding drawdown time greater than 24-hours but less than 96 hours may be allowed at the discretion of the City Engineer if certified by a landscape architect or agronomist.
Vegetation		
□	Plantings are suitable for the climate and expected ponding depth. A plant list to aid in selection can be found in Appendix E.26.	Plants suited to the climate and ponding depth are more likely to survive.
□	An irrigation system with a connection to water supply should be provided as needed.	Seasonal irrigation might be needed to keep plants healthy.
Mulch		
□	A minimum of 3 inches of well-aged, shredded hardwood mulch that has been stockpiled or stored for at least 12 months is provided.	Mulch will suppress weeds and maintain moisture for plant growth. Aging mulch kills pathogens and weed seeds and allows the beneficial microbes to multiply.
Media Layer		
□	Media maintains a minimum filtration rate of 5 in/hr. over lifetime of facility. Additional Criteria for media hydraulic conductivity described in the bioretention soil media model specification (Appendix F.3)	A filtration rate of at least 5 inches per hour allows soil to drain between events. The initial rate should be higher than long term target rate to account for clogging over time. However an excessively high initial rate can have a negative impact on treatment performance, therefore an upper limit is needed.

	Design Criteria	Intent/Rationale
□	Media shall be a minimum 18 inches deep for filtration purposes, with a minimum 24-inch media layer depth typically required to support vegetation and a minimum 36-inch media layer depth required for trees. Media shall meet the following specifications. Model bioretention soil media specification provided in Appendix F.3 or County of San Diego Low Impact Development Handbook: Appendix G - Bioretention Soil Specification (June 2014, unless superseded by more recent edition). Alternatively, for proprietary designs and custom media mixes not meeting the media specifications, the media meets the pollutant treatment performance criteria in Section F.1.	A deep media layer provides additional filtration and supports plants with deeper roots. Standard specifications shall be followed. For non-standard or proprietary designs, compliance with Appendix F.1 ensures that adequate treatment performance will be provided.
□	Media surface area is 3% of contributing area times adjusted runoff factor or greater. Unless demonstrated that the BMP surface area can be smaller than 3%.	Greater surface area to tributary area ratios: a) maximizes volume retention as required by the MS4 Permit and b) decrease loading rates per square foot and therefore increase longevity. Adjusted runoff factor is to account for site design BMPs implemented upstream of the BMP (such as rain barrels, impervious area dispersion, etc.). Refer to Appendix B.2 guidance. Refer to Appendix B.5 for guidance to support use of smaller than 3% footprint..
□	Where receiving waters are impaired or have a TMDL for nutrients, the system is designed with nutrient sensitive media design (see fact sheet BF-2).	Potential for pollutant export is partly a function of media composition; media design must minimize potential for export of nutrients, particularly where receiving waters are impaired for nutrients.
Filter Course Layer		
□	A filter course is used to prevent migration of fines through layers of the facility. Filter fabric is not used.	Migration of media can cause clogging of the aggregate storage layer void spaces or subgrade and can result in poor water quality performance for turbidity and suspended solids. Filter fabric is more likely to clog.
□	Filter course is washed and free of fines.	Washing aggregate will help eliminate fines that could clog the facility and impede infiltration.
□	To reduce clogging potential, a two-layer filter course (aka choking stone system) is used consisting of one 3" layer of clean and washed ASTM 33 Fine Aggregate Sand overlying a 3" layer of ASTM No 8 Stone (Appendix F.4).	This specification has been developed to maintain permeability while limiting the migration of media material into the stone reservoir and underdrain system.

	Design Criteria	Intent/Rationale
Aggregate Storage Layer		
□	ASTM #57 open graded stone is used for the storage layer and a two layer filter course (detailed above) is used above this layer	This layer provides additional storage capacity. ASTM #8 stone provides an acceptable choking/bridging interface with the particles in ASTM #57 stone.
□	The depth of aggregate provided (12-inch typical) and storage layer configuration is adequate for providing conveyance for underdrain flows to the outlet structure.	Proper storage layer configuration and underdrain placement will minimize facility drawdown time.
Inflow, Underdrain, and Outflow Structures		
□	Inflow, underdrains and outflow structures are accessible for inspection and maintenance.	Maintenance will prevent clogging and ensure proper operation of the flow control structures.
□	Inflow velocities are limited to 3 ft./s or less or use energy dissipation methods. (e.g., riprap, level spreader) for concentrated inflows.	High inflow velocities can cause erosion, scour and/or channeling.
□	Curb cut inlets are at least 18 inches wide, have a 4-6 inch reveal (drop) and an apron and energy dissipation as needed.	Inlets must not restrict flow and apron prevents blockage from vegetation as it grows in. Energy dissipation prevents erosion.
□	Underdrain outlet elevation should be a minimum of 3 inches above the bottom elevation of the aggregate storage layer.	A minimal separation from subgrade or the liner lessens the risk of fines entering the underdrain and can improve hydraulic performance by allowing perforations to remain unblocked.
□	Minimum underdrain diameter is 8 inches.	Minimum diameter required for maintenance by City crews. For privately maintained BMPs, a minimum underdrain diameter of 6 inches is allowed.
□	Underdrains are made of slotted, PVC pipe conforming to ASTM D 3034 or equivalent or corrugated, HDPE pipe conforming to AASHTO 252M or equivalent.	Slotted underdrains provide greater intake capacity, clog resistant drainage, and reduced entrance velocity into the pipe, thereby reducing the chances of solids migration.
□	An underdrain cleanout with a minimum 8-inch diameter and lockable cap is placed every 50 feet as required based on underdrain length.	Properly spaced cleanouts will facilitate underdrain maintenance. For privately maintained BMPs, cleanout diameter of 6 inches is allowed.
□	Overflow is safely conveyed to a downstream storm drain system or discharge point Size overflow structure to pass 100-year peak flow for on-line infiltration basins and water quality peak flow for off-line basins.	Planning for overflow lessens the risk of property damage due to flooding.
Conceptual Design and Sizing Approach for Storm Water Pollutant Control Only		

To design bioretention with underdrain for storm water pollutant control only (no flow control required), the following steps should be taken:

1. Verify that siting and design criteria have been met, including placement requirements, contributing tributary area, maximum side and finish grade slopes, and the recommended media surface area tributary ratio.
2. Calculate the DCV per **Appendix B** based on expected site design runoff for tributary areas.
3. Use the sizing worksheet presented in **Appendix B.5** to size biofiltration BMPs.

Conceptual Design and Sizing Approach when Storm Water Flow Control is Applicable

Control of flow rates and/or durations will typically require significant surface ponding and/or aggregate storage volumes, and therefore the following steps should be taken prior to determination of storm water pollutant control design. Pre-development and allowable post-project flow rates and durations should be determined as discussed in **Chapter 6** of the manual.

1. Verify that siting and design criteria have been met, including placement requirements, contributing tributary area, maximum side and finish grade slopes, and the recommended media surface area tributary ratio.
2. Iteratively determine the facility footprint area, surface ponding and/or aggregate storage layer depth required to provide detention storage to reduce flow rates and durations to allowable limits. Flow rates and durations can be controlled from detention storage by altering outlet structure orifice size(s) and/or water control levels. Multi-level orifices can be used within an outlet structure to control the full range of flows.
3. If biofiltration with underdrain cannot fully provide the flow rate and duration control required by this manual, an upstream or downstream structure with significant storage volume such as an underground vault can be used to provide remaining controls.
4. After biofiltration with underdrain has been designed to meet flow control requirements, calculations must be completed to verify if storm water pollutant control requirements to treat the DCV have been met.

E.20 BF-3 Proprietary Biofiltration Systems

The purpose of this fact sheet is to help explain the potential role of proprietary BMPs in meeting biofiltration requirements, when full retention of the DCV is not feasible. The fact sheet does not describe design criteria like the other fact sheets in this appendix because this information varies by BMP product model.

Criteria for Use of a Proprietary BMP as a Biofiltration BMP

A proprietary BMP may be acceptable as a "biofiltration BMP" under the following conditions:

1. The BMP meets the minimum design criteria listed in **Appendix F**, including the selection criteria and pollutant treatment performance standard in **Appendix F.1**;
2. The BMP meets the performance standard for compact BMPs in **Table B.5-1** in **Appendix B.5**;
3. The BMP is designed and maintained in a manner consistent with its performance certifications (See explanation in **Appendix F.2**); and
4. The BMP is acceptable at the discretion of the City Engineer. In determining the acceptability of a BMP, the City Engineer should consider, as applicable, (a) the data submitted; (b) representativeness of the data submitted; (c) consistency of the BMP performance claims with pollutant control objectives; certainty of the BMP performance claims; (d) for projects within the public right of way and/or public projects: maintenance requirements, cost of maintenance activities, relevant previous local experience with operation and maintenance of the BMP type, ability to continue to operate the system in event that the vending company is no longer operating as a business; and (e) other relevant factors. If a proposed BMP is not accepted by the City Engineer, a written explanation/reason will be provided to the applicant.

Guidance for Sizing a Proprietary BMP as a Biofiltration BMP

Proprietary biofiltration BMPs must meet the same sizing guidance as non-proprietary BMPs. Sizing is typically based on capturing and treating 1.50 times the DCV not reliably retained. Guidance for sizing biofiltration BMPs to comply with requirements of this manual is provided in **Appendix B.5** and **Appendix F.2**.

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Attachment 2
Backup for PDP Hydromodification Control Measures

This is the cover sheet for Attachment 2.

☐ Mark this box if this attachment is empty because the project is exempt from PDP hydromodification management requirements.

Project Name: Collection at Cactus

Indicate which Items are Included:

Attachment Sequence	Contents	Checklist
Attachment 2a	Hydromodification Management Exhibit (Required)	☑ Included See Hydromodification Management Exhibit Checklist.
Attachment 2b	Management of Critical Coarse Sediment Yield Areas (WMAA Exhibit is required, additional analyses are optional) See Section 6.2 of the BMP Design Manual.	☑ Exhibit showing project drainage boundaries marked on WMAA Critical Coarse Sediment Yield Area Map (Required) Optional analyses for Critical Coarse Sediment Yield Area Determination ☐ 6.2.1 Verification of Geomorphic Landscape Units Onsite ☐ 6.2.2 Downstream Systems Sensitivity to Coarse Sediment ☐ 6.2.3 Optional Additional Analysis of Potential Critical Coarse Sediment Yield Areas Onsite
Attachment 2c	Geomorphic Assessment of Receiving Channels (Optional) See Section 6.3.4 of the BMP Design Manual.	☐ Not Performed ☑ Included ☐ Submitted as separate stand-alone document
Attachment 2d	Flow Control Facility Design and Structural BMP Drawdown Calculations (Required) Overflow Design Summary for each structural BMP See Chapter 6 and Appendix G of the BMP Design Manual	☑ Included ☐ Submitted as separate stand-alone document

ATTACHMENT 2A

HYDROMODIFICATION MANAGEMENT EXHIBIT (INCLUDED IN ATTACHMENT 2D)

Project Name: Collection at Cactus

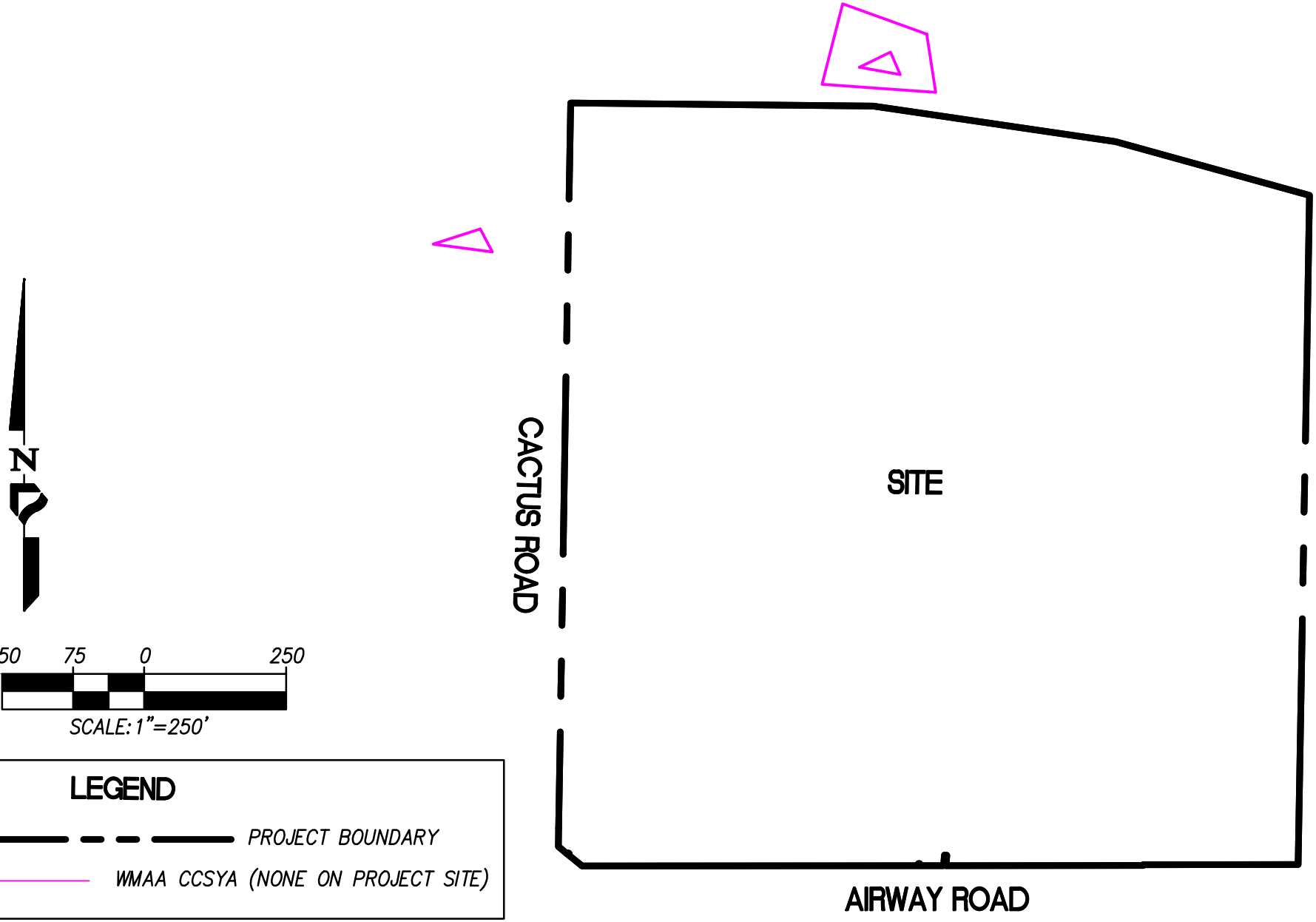
Use this checklist to ensure the required information has been included on the Hydromodification Management Exhibit:

The Hydromodification Management Exhibit must identify:

- ☑ Underlying hydrologic soil group
- ☑ Approximate depth to groundwater
- ☑ Existing natural hydrologic features (watercourses, seeps, springs, wetlands)
- ☑ Critical coarse sediment yield areas to be protected OR provide a separate map showing that the project site is outside of any critical coarse sediment yield areas
- ☑ Existing topography
- ☑ Existing and proposed site drainage network and connections to drainage offsite
- ☑ Proposed grading
- ☑ Proposed impervious features
- ☑ Proposed design features and surface treatments used to minimize imperviousness
- ☑ Point(s) of Compliance (POC) for Hydromodification Management
  Existing and proposed drainage boundary and drainage area to each POC (when necessary, create separate exhibits for pre-development and post-project conditions)
- ☑ Structural BMPs for hydromodification management (identify location, type of BMP, and size/detail).

ATTACHMENT 2B

MANAGEMENT OF CRITICAL COARSE SEDIMENT YIELD AREAS



SCALE:	1"=250'
JOB #:	4481
CREATED:	01/26/2024

PREPARED BY:

PROJECT DESIGN CONSULTANTS
Planning | Engineering | Survey
701 B Street, Suite 800
San Diego, CA 92101
619.235.6471 Tel
619.234.0349 Fax

CITY OF SAN DIEGO

COLLECTIONS AT CACTUS

ATTACHMENT 2B
CCSYA EXHIBIT

ATTACHMENT 2C

GEOMORPHIC ASSESSMENT OF RECEIVING CHANNELS

HYDROMODIFICATION SCREENING

FOR

COLLECTION AT CACTUS

November 21, 2024

Will sign and stamp upon approval

Wayne W. Chang, MS, PE 46548, Exp. 6/30/2025

ChangConsultants

Civil Engineering ◦ Hydrology ◦ Hydraulics ◦ Sedimentation

P.O. Box 9496
Rancho Santa Fe, CA 92067
(858) 692-0760

FOR REVIEW ONLY

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A. SCCWRP Initial Desktop Analysis
B. SCCWRP Field Screening Data

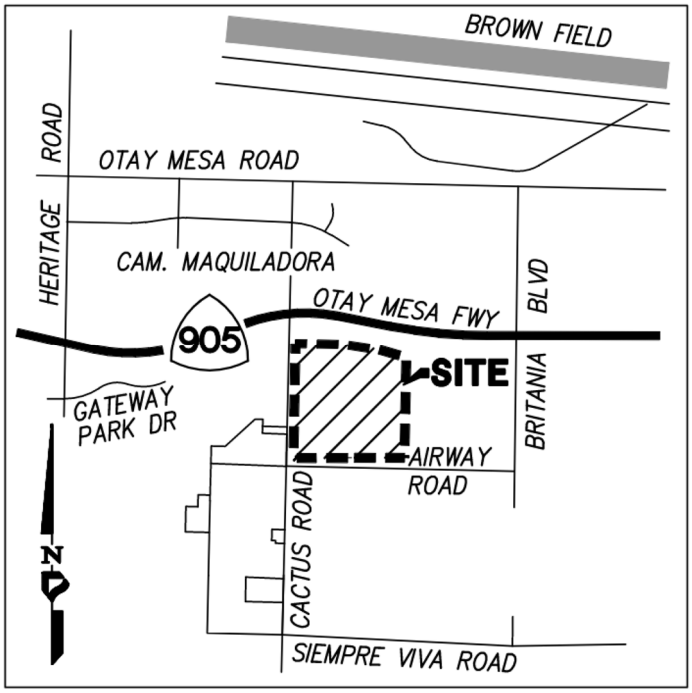
MAP POCKET

Study Area Exhibit

FOR REVIEW ONLY

INTRODUCTION

The City of San Diego's May 2021, *Storm Water Standards,* outline low flow thresholds for hydromodification analyses. The thresholds are based on a percentage of the pre-project 2-year flow (Q_2), i.e., $0.1Q_2$ (low flow threshold and high susceptibility to erosion), $0.3Q_2$ (medium flow threshold and medium susceptibility to erosion), or $0.5Q_2$ (high flow threshold and low susceptibility to erosion). A flow threshold of $0.1Q_2$ represents a natural downstream receiving conveyance system with a high susceptibility to bed and/or bank erosion. This is the default value used for hydromodification analyses and will result in the most conservative (largest) on-site facility sizing. A flow threshold of $0.3Q_2$ or $0.5Q_2$ represents downstream receiving conveyance systems with a medium or low susceptibility to erosion, respectively. In order to qualify for a medium or low erosion susceptibility rating, a project must perform a channel screening analysis based on the March 2010, *Hydromodification Screening Tools: Field Manual for Assessing Channel Susceptibility,* developed by the Southern California Coastal Water Research Project (SCCWRP). The SCCWRP results are compared with the critical shear stress results from the County of San Diego to establish the appropriate erosion susceptibility threshold of low, medium, or high.



Vicinity Map

This report provides a hydromodification screening analysis for the Collection at Cactus project being designed by Bowman. The 39.62-acre mixed-use, multi-family residential development is located on the east side of Cactus Road between State Route 905 and Airway Road in the city of San Diego (see the Vicinity Map). The existing site is undeveloped. The project will consist of four planning areas plus a public park component with a mix of 3- and 4-story building types that total 976 units. The project is part of the Otay Mesa Community Central Village Specific Plan.

Under existing conditions, the on-site storm runoff primarily surface flows northwest to an existing 48-inch storm drain near the northwest corner of the site. The storm drain extends west across Cactus Road and outlets into a riprap-lined trapezoidal channel on the neighboring property. The riprap-lined trapezoidal channel continues west and then southwest nearly 900 feet to a concrete-lined trapezoidal channel (see the Study Area Exhibit in the map pocket and Figure 1). The concrete-lined trapezoidal channel extends south nearly 180 feet where it discharges into the upper end of Spring Canyon. Spring Canyon contains a natural channel that continues nearly 3 miles southwest to the Tijuana River, which then flows over 5 miles west to the Pacific Ocean.

Under proposed conditions, the project will construct on-site storm drain facilities as well as pollutant and flow control BMPs (biofiltration basins and Modular Wetlands Linear) to control storm water. The treated storm runoff will be conveyed to the aforementioned 48-inch storm drain and then continue off-site to the Pacific Ocean similar to existing conditions.

The SCCWRP screening tool requires both office and field work to establish the vertical and lateral susceptibility of a downstream receiving channel to erosion. The vertical and lateral assessments are performed independently of each other although the lateral results can be affected by the vertical rating. A screening analysis was performed to assess the low flow threshold for the project's point of compliance, which is where the existing concrete-lined trapezoidal channel below the site discharges into the Spring Canyon channel. This is the first location below the site that outlets to a natural stream with erosion potential.

The initial step in performing the SCCWRP screening analysis is to establish the domain of analysis and the study reaches within the domain. This is followed by office and field components of the screening tool along with the associated analyses and results. The following sections cover these procedures in sequence.

DOMAIN OF ANALYSIS

SCCWRP defines an upstream and downstream domain of analysis, which establish the study limits. The County of San Diego's March 2011 *Hydromodification Management Plan* (HMP) specifies the downstream domain of analysis based on the SCCWRP criteria. The HMP indicates that the downstream domain is the **first point** where one of these is reached:

- at least one reach downstream of the first grade control point (preferably second grade control location)
- tidal backwater/lentic waterbody
- equal order tributary
- accumulation of 50 percent drainage area for stream systems or 100 percent drainage area for urban conveyance systems (storm drains, hardened channels, etc.)

The upstream limit is defined as:

- proceed upstream for 20 channel top widths or to the first grade control point, whichever comes first. Identify hard points that can check headward migration and evidence of active headcutting.

SCCWRP defines the maximum spatial unit, or reach (a reach is circa 20 channel widths), for assigning a susceptibility rating within the domain of analysis to be 200 meters (656 feet). If the domain of analysis is greater than 200 meters, the study area can be subdivided into smaller reaches of less than 200 meters for analysis. Most of the units in the HMP's SCCWRP analysis are metric. Metric units are used in this report only where given so in the HMP. Otherwise, English units are used.

Downstream Domain of Analysis

The downstream domain of analysis for the project has been determined by assessing and comparing the four bullet items above. As discussed in the Introduction and seen on the Study Area Exhibit in the map pocket the project runoff flows sequentially into a 48-inch storm drain, riprap-lined trapezoidal channel, and then concrete-lined trapezoidal channel. These non-erodible drainage facilities outlet into the natural Spring Canyon channel.

The first natural area below the site with a potential for erosion is where the concrete-lined trapezoidal channel outlets into the Spring Canyon channel. The outlet is the point of the compliance (POC) for the project. The downstream domain of analysis location is determined along the natural Spring Canyon channel below the POC.

Per the first bullet item, the first permanent grade control below the POC was located. The grade control is approximately 2 miles downstream of the POC and at a concrete culvert just north of the US-Mexico border. The culvert entrance will maintain the upstream channel bed elevations so forms the first permanent grade control below the POC.

The second bullet item is based on the tidal backwater or lentic (standing or still water such as ponds, pools, marshes, lakes, etc.) waterbody location. The first such feature is at the Pacific Ocean. The Pacific Ocean is several miles below the culvert, so the tidal backwater is further downstream of the downstream domain of analysis established by the permanent grade control criteria, i.e., the second bullet item will not govern over the first in establishing the downstream domain of analysis location.

The third bullet item is met where the Spring Canyon channel below the POC confluences with a stream with an equal order or larger tributary area. The Spring Canyon channel confluences with the Tijuana River, which is a significantly larger stream. The confluence is below the culvert, so the third bullet item will not govern over the first in establishing the downstream domain of analysis location for the POC.

The fourth bullet item is met when the natural stream below the POC accumulates 50 or 100 percent drainage area for natural or urban conveyance systems, respectively. The Spring Canyon channel is a natural stream system, so 50 percent applies. The Study Area Exhibit shows that the drainage area tributary to the POC covers 152.97 acres. The Spring Canyon channel confluences with a lateral channel 3,200 feet below the POC. The tributary area added over the 3,200 feet is

109.66 acres (13.39+96.27=109.66 per the Study Area Exhibit), which meets the 50 percent criteria. This location occurs before the permanent grade control. Therefore, the fourth bullet item governs over the first in establishing the downstream domain of analysis location for the POC.

Based on the above information, the downstream domain of analysis for the study area is based on the fourth bullet item. Of the four bullet items, the 50 percent confluence location is the first point reached below the POC.

Upstream Domain of Analysis

The upstream domain of analysis must be established for the POC. The POC is where the concrete-lined trapezoidal channel outlets into the uppermost end of the Spring Canyon channel. Since the Spring Canyon channel does not extend upstream of the outlet, the upstream domain of analysis location is at the POC.

Study Reaches within Domain of Analysis

After the upstream and downstream domain of analysis locations are established for the POC, the study reach is identified (see the Study Area Exhibit). The entire domain of analysis extends along the Spring Canyon channel from the upstream domain of analysis location at the POC to the downstream domain of analysis location at the accumulation of over 50 percent drainage area. This segment was analyzed as a single study reach, Reach 1, which is 3,200 feet long. Review of topographic mapping, aerial photographs, and field conditions reveals that the physical (channel geometry and slope), vegetative, hydraulic, and soil conditions within Reach 1 are relatively uniform. Subdividing Reach 1 into subreaches of less than 656 feet will not yield varying conclusions. Although the screening tool was applied across the entire length of the domain of analysis, the results will be identical for shorter subreaches within Reach 1.

INITIAL DESKTOP ANALYSIS

After the domain of analysis is established, SCCWRP requires an "initial desktop analysis" that involves office work. The initial desktop analysis establishes the watershed area, mean annual precipitation, valley slope, and valley width. These terms are defined in Form 1, which is included in Appendix A. SCCWRP recommends the use of National Elevation Data (NED) to determine the watershed area, valley slope, and valley width. NED mapping is similar to USGS mapping. For this report, 2-foot contour interval SANGIS topographic mapping was available and used for the upstream drainage area and the channel assessment study reach. Since the SANGIS topographic mapping is more accurate than NED mapping, it will yield more precise results for the watershed area, valley slope, and valley width.

The overall watershed area tributary to Reach 1 was determined from the SANGIS topographic mapping and confirmed with a site visit. The drainage subareas are shown on the Study Area Exhibit and cover 152.97+13.39+96.27=262.63 acres (0.410 square miles).

The mean annual precipitation was obtained from the rain gage closest to the site. This is the Western Regional Climate Center's Lower Otay Reservoir gage (see Appendix A), which is approximately 5.1 miles from the site. The average annual rainfall measured at this gage for the

period of record from 1940 to 1956 is 11.07 inches. Since the period of record does not cover an overly extensive time period, data for the next closest rain gage at Bonita was also reviewed. The Bonita gage is over 10 miles from the site, but has a period of record from 1915 to 1970. The average annual rainfall at Bonita over this period is 11.51 inches. Since the Bonita rainfall is similar to the Lower Otay Reservoir gage data, the Lower Otay Reservoir annual rainfall appropriately represents the mean annual precipitation for the project.

Two-foot contour interval SANGIS topographic mapping was used to determine the valley slope and valley width of Reach 1. The valley slope is the longitudinal slope of the channel bed along the flow line, so it is determined by dividing the elevation difference within Reach 1 by its length. The valley width is the bottom width of the Spring Canyon channel. The watershed area, valley slope, and valley width for Reach 1 are summarized in Table 1.

Reach	Tributary Drainage Area, sq. mi.	Valley Slope, m/m	Valley Width, m
1	0.410	0.0292	6.10

Table 1. Summary of Tributary Area, Valley Slope, and Valley Width

These values were input to a spreadsheet to calculate the simulated peak flow, screening index, and valley width index outlined in Form 1. The input data and results are tabulated in Appendix A. This completes the initial desktop analysis.

FIELD SCREENING

After the initial desktop analysis is complete, a field assessment must be performed. The field assessment is used to establish a natural channel's vertical and lateral susceptibility to erosion. SCCWRP states that although they are admittedly linked, vertical and lateral susceptibility are assessed separately for several reasons. First, vertical and lateral responses are primarily controlled by different types of resistance, which, when assessed separately, may improve ease of use and lead to increased repeatability compared to an integrated, cross-dimensional assessment. Second, the mechanistic differences between vertical and lateral responses point to different modeling tools and potentially different management strategies. Having separate screening ratings may better direct users and managers to the most appropriate tools for subsequent analyses.

The field screening tool uses combinations of decision trees and checklists. Decision trees are typically used when a question can be answered fairly definitively and/or quantitatively (e.g., d_{50} < 16 mm). Checklists are used where answers are relatively qualitative (e.g., the condition of a grade control). Low, medium, high, and very high ratings are applied separately to the vertical and lateral analyses. When the vertical and lateral analyses return divergent values, the most conservative value shall be selected as the flow threshold for the hydromodification analyses.

Vertical Stability

The purpose of the vertical stability decision tree (Figure 6-4 in the County of San Diego HMP) is to assess the state of the channel bed with a particular focus on the risk of incision (i.e., down

cutting). The decision tree is included in Figure 7. The first step is to assess the channel bed resistance. There are three categories defined as follows:

1. Labile Bed – sand-dominated bed, little resistant substrate.

2. Transitional/Intermediate Bed – bed typically characterized by gravel/small cobble, Intermediate level of resistance of the substrate and uncertain potential for armoring.

3. Threshold Bed (Coarse/Armored Bed) – armored with large cobbles or larger bed material or highly-resistant bed substrate (i.e., bedrock).

Based on the photographs and a site investigation, the bed material and resistance in Reach 1 generally within the transitional/intermediate to threshold bed category. A site visit revealed cobble lining along the study reach surrounded by smaller grain sizes.

In addition to the material size and compaction, there are several factors that establish the erodibility of a channel such as the flow rate (i.e., size of the tributary area), grade controls, channel slope, vegetative cover, channel planform, etc. The Introduction of the SCCWRP *Hydromodification Screening Tools: Field Manual* identifies several of these factors. When multiple factors influence erodibility, it is appropriate to perform the more detailed SCCWRP analysis, which is to analyze a channel according to SCCWRP's transitional/intermediate bed procedure. This requires the most rigorous steps and will generate appropriate results given the range of factors that define erodibility. The transitional/intermediate bed procedure takes into account bed material (the bed material size is used in SCCWRP's Form 3 Figure 4) and other factors that establish the erodible condition. Dr. Eric Stein from SCCWRP, who co-authored the Hydromodification Screening Tools: Field Manual in the Final Hydromodification Management Plan (HMP) indicated that it would be appropriate to analyze channels with multiple factors that impact erodibility using the transitional/intermediate bed procedure. Consequently, this procedure was used to produce more accurate results.

Transitional/intermediate beds cover a wide susceptibility/potential response range and need to be assessed in greater detail to develop a weight of evidence for the appropriate screening rating. The three primary risk factors used to assess vertical susceptibility for channels with transitional/intermediate bed materials are:

1. Armoring potential – three states (Checklist 1)

2. Grade control – three states (Checklist 2)

3. Proximity to regionally-calibrated incision/braiding threshold (Mobility Index Threshold – Probability Diagram)

These three risk factors are assessed using checklists and a diagram (see Appendix B), and the results of each are combined to provide a final vertical susceptibility rating for the intermediate/transitional bed-material group. Each checklist and diagram contains a Category A,

B, or C rating. Category A is the most resistant to vertical changes while Category C is the most susceptible.

Checklist 1 determines armoring potential of the channel bed. The channel bed along Reach 1 contains cobble lining in many areas that would correspond to Category A. However, Category B was selected because some areas have sparser cobble lining. Category B represents intermediate bed material of unknown resistance or unknown armoring potential due to a surface veneer such as vegetation. The soil was probed and penetration was relatively difficult through the underlying layer.

Checklist 2 determines grade control characteristics of the channel bed. This is established by the spacing of grade controls along Reach 1. Category B on Checklist 2 is based on a spacing of $2/S_v$ or $4/S_v$. S_v is 0.0292 meters/meter from the Form 1 analysis in Appendix A. From this, $2/S_v$ is 68.6 meters (225 feet), while $4/S_v$ is 137.2 meters (450 feet). Reach 1 is 3,200 feet long. This length is greater than $4/S_v$, so Reach 1 is within Category C on Checklist 2.

The Screening Index Threshold (Checklist 3) is a probability diagram that depicts the risk of incising or braiding based on the potential stream power of the valley relative to the median particle diameter. The threshold is based on regional data from Dr. Howard Chang of Chang Consultants and others. The probability diagram uses d_{50} as well as the Screening Index (INDEX) value determined in the initial desktop analysis (see Appendix A). The d_{50} had to be determined for Reach 1 to assess the Screening Index Threshold. d_{50} can be derived from a pebble count in which a minimum of 100 particles are obtained along transects at the site. The d_{50} value is the particle size in which 50 percent of the particles are smaller and 50 percent are larger. The pebble count results for Reach 1 are included in Appendix B. The results show a d_{50} of 22.6 millimeters for Reach 1. The screening index (INDEX) value is tabulated in Appendix A. Plotting the d_{50} and screening index value on the Mobility Index Threshold diagram shows that Reach 1 has a less than 50 percent probability of incising or braiding, which falls within Category A.

The overall vertical rating is determined from the Checklist 1, Checklist 2, and Mobility Index Threshold results. The scoring is based on the following values:

Category A = 3, Category B = 6, Category C = 9

The vertical rating score is based on these values and the equation:

$$\begin{aligned}\text{Vertical Rating} &= [(\text{armoring} \times \text{grade control})^{1/2} \times \text{screening index score}]^{1/2} \\ &= [(6 \times 9)^{1/2} \times 3]^{1/2} \\ &= 4.7\end{aligned}$$

Since the vertical rating is between 4.5 and 7, Reach 1 has a medium threshold for vertical susceptibility.

Lateral Stability

The purpose of the lateral decision tree (Figure 6-5 from County of San Diego HMP included in Figure 8) is to assess the state of the channel banks with a focus on the risk of widening. Channels

can widen from either bank failure or through fluvial processes such as chute cutoffs, avulsions, and braiding. Widening through fluvial avulsions/active braiding is a relatively straightforward observation. If braiding is not already occurring, the next logical step is to assess the condition of the banks. Banks fail through a variety of mechanisms; however, one of the most important distinctions is whether they fail in mass (as many particles) or by fluvial detachment of individual particles. Although much research is dedicated to the combined effects of weakening, fluvial erosion, and mass failure, SCCWRP found it valuable to segregate bank types based on the inference of the dominant failure mechanism (as the management approach may vary based on the dominant failure mechanism). A decision tree (Form 4 in Appendix B) is used in conducting the lateral susceptibility assessment. Definitions and photographic examples are also provided below for terms used in the lateral susceptibility assessment.

The first step in the decision tree is to determine if lateral adjustments are occurring. The adjustments can take the form of extensive mass wasting (greater than 50 percent of the banks are exhibiting planar, slab, or rotational failures and/or scalloping, undermining, and/or tension cracks). The adjustments can also involve extensive fluvial erosion (significant and frequent bank cuts on over 50 percent of the banks). Neither mass wasting nor extensive fluvial erosion was evident within Reach 1 during a field investigation as evidenced by the figures.

The next step in the Form 4 decision tree is to assess the consolidation of the bank material. The banks were moderate to well-consolidated and support dense, mature vegetation. This determination was made because the ground surface was difficult to penetrate with a probe. In addition, the banks showed no evidence of crumbling and were composed of relatively well-packed particles.

Form 6 (see Appendix B) is used to assess the probability of mass wasting. Form 6 identifies a 10, 50, and 90 percent probability based on the bank angle and bank height. From the site investigation and SANGIS' 2-foot contour interval topographic mapping, the bank angles in Reach 1 average 2:1 (26.6 degrees) or flatter. Form 6 shows that the probably of mass wasting and bank failure has less than 10 percent risk for a 26.6 degree bank angle or less regardless of the bank height.

The final two steps in the Form 4 decision tree are based on the braiding risk determined from the vertical rating as well as the Valley Width Index (VWI) calculated in Appendix A. If the vertical rating is high, the braiding risk is considered to be greater than 50 percent. Excessive braiding can lead to lateral bank failure. For Reach 1 the vertical rating is medium, so the braiding risk is less than 50 percent. Furthermore, a VWI greater than 2 represents channels unconfined by bedrock or hillslope and, hence, subject to lateral migration. The VWI calculation in the spreadsheet in Appendix A shows that the VWI for Reach 1 (VWI=0.73) is less than 2.

From the above steps, the lateral susceptibility rating is low for both reaches (red circles are included on the Form 4: Lateral Susceptibility Field Sheet decision tree in Appendix B showing the decision path).

CONCLUSION

The SCCWRP channel screening tools were used to assess the downstream channel susceptibility for the proposed mixed-use, multi-family residential Collection at Cactus project being designed by Bowman. The project's treated storm runoff will be collected and conveyed by a 48-inch storm drain, then riprap-lined trapezoidal channel, then concrete-lined trapezoidal channel to the natural Spring Canyon channel. The POC is where the concrete-lined trapezoidal channel outlets to the natural Spring Canyon channel A downstream channel assessment was prepared for the Spring Canyon channel (Reach 1) below the POC. The channel assessment was performed based on office analyses and field work. The results indicate a medium threshold for vertical susceptibility and low threshold for lateral susceptibility.

The HMP requires that these results be compared with the critical stress calculator results incorporated in the County of San Diego's BMP Sizing Calculator. The BMP Sizing Calculator critical stress results are included in Appendix B for Reach 1. Based on these values, the critical stress results returned a low threshold. The worst case between the channel screening and critical stress results apply. Therefore, the SCCWRP analyses and critical stress calculator demonstrate that the Collection at Cactus project can be designed assuming a medium susceptibility to erosion, i.e., $0.3Q_2$.

Figure 1. Point of Compliance at Bottom of Concrete-Lined Trapezoidal Channel

Figure 2. Looking Downstream at Reach 1 from Upper End

Figure 3. Upper Portion of Reach 1

Figure 4. Middle Portion of Reach 1

Figure 5. Lower Portion of Reach 1

Figure 6. Gravelometer along Reach 1

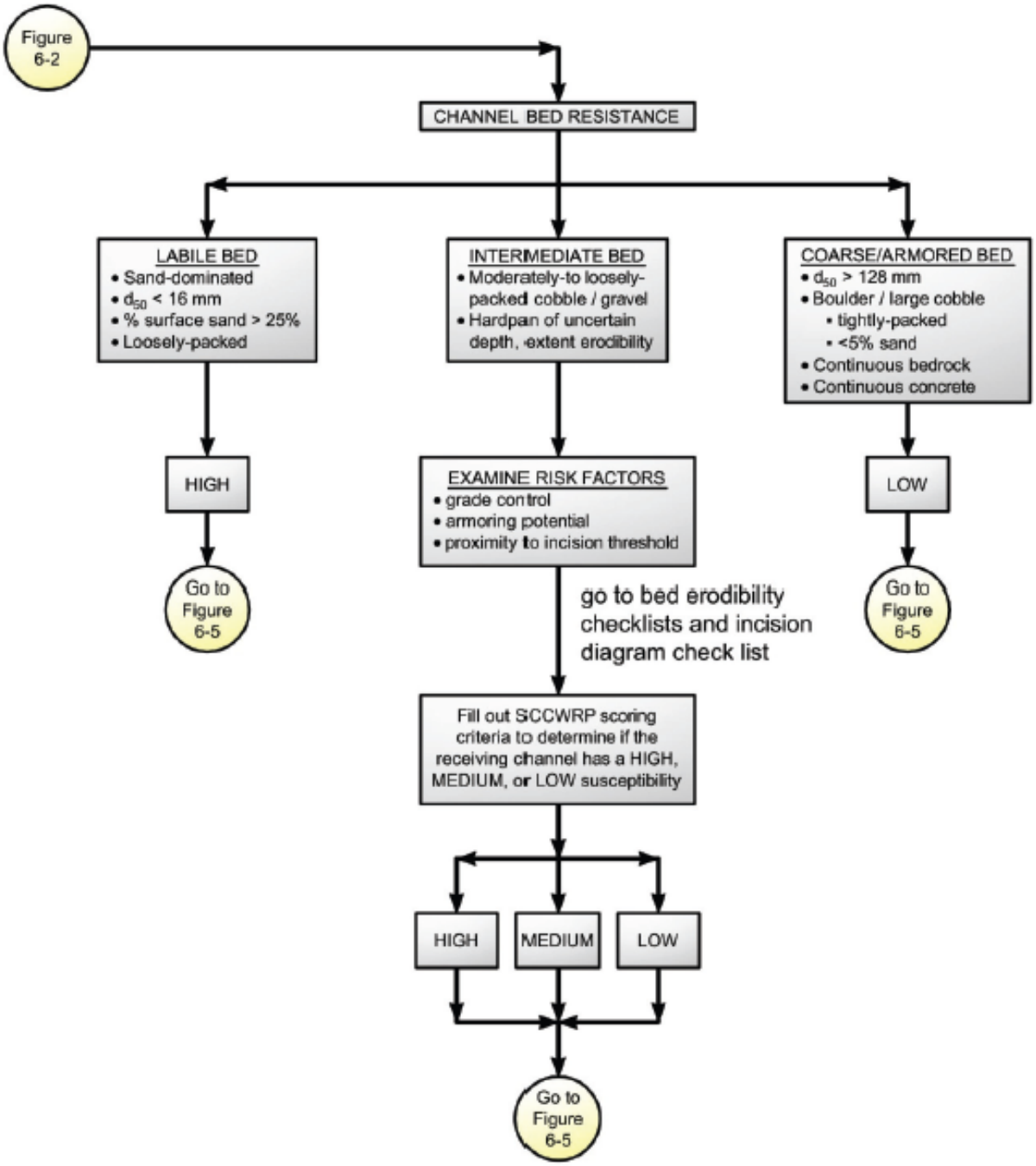


Figure 6-4. SCCWRP Vertical Susceptibility

Figure 7. SCCWRP Vertical Channel Susceptibility Matrix

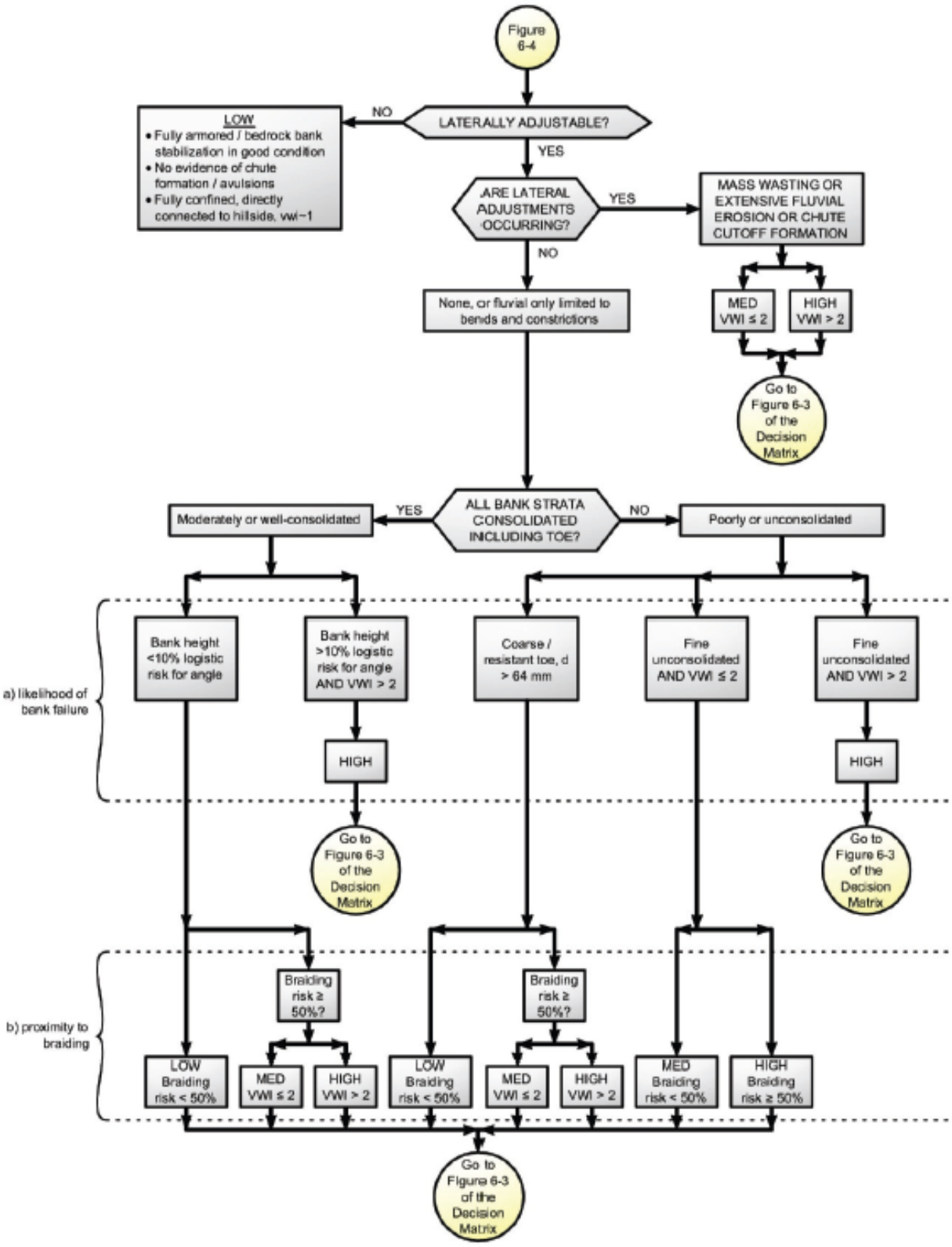


Figure 6-5. Lateral Channel Susceptibility

Figure 8. SCCWRP Lateral Channel Susceptibility Matrix

APPENDIX A

SCCWRP INITIAL DESKTOP ANALYSIS

FORM 1: INITIAL DESKTOP ANALYSIS

Complete all shaded sections.

IF required at multiple locations, circle one of the following site types:

Applicant Site / Upstream Extent / Downstream Extent

Location: Latitude: 32.562707° Longitude: -116.991215°

Description (river name, crossing streets, etc.): Collection at Cactus - Spring Canyon Channel

GIS Parameters: The International System of Units (SI) is used throughout the assessment as the field standard and for consistency with the broader scientific community. However, as the singular exception, US Customary units are used for contributing drainage area (A) and mean annual precipitation (P) to apply regional flow equations after the USGS. See SCCWRP Technical Report 607 for example measurements and "Screening Tool Data Entry.xls" for automated calculations.

Form 1 Table 1. Initial desktop analysis in GIS.

	Symbol	Variable	Description and Source	Value
Watershed properties (English units)	**A**	Area (mi^2)	Contributing drainage area to screening location via published Hydrologic Unit Codes (HUCs) and/or ≤ 30 m National Elevation Data (NED), USGS seamless server	See attached Form 1 table on next page for calculated values for each reach.
	P	Mean annual precipitation (in)	Area-weighted annual precipitation via USGS delineated polygons using records from 1900 to 1960 (which was more significant in hydrologic models than polygons delineated from shorter record lengths)	
Site properties (SI units)	**S_v**	Valley slope (m/m)	Valley slope at site via NED, measured over a relatively homogenous valley segment as dictated by hillslope configuration, tributary confluences, etc., over a distance of up to ~500 m or 10% of the main-channel length from site to drainage divide	
	W_v	Valley width (m)	Valley bottom width at site between natural valley walls as dictated by clear breaks in hillslope on NED raster, irrespective of potential armoring from floodplain encroachment, levees, etc. (imprecise measurements have negligible effect on rating in wide valleys where VWI is >> 2, as defined in lateral decision tree)	

Form 1 Table 2. Simplified peak flow, screening index, and valley width index. Values for this table should be calculated in the sequence shown in this table, using values from Form 1 Table 1.

Symbol	Dependent Variable	Equation	Required Units	Value
Q_{10cfs}	10-yr peak flow (ft^3/s)	$Q_{10cfs} = 18.2 * A^{0.87} * P^{0.77}$	A (mi^2) P (in)	See attached Form 1 table on next page for calculated values for each reach.
Q_{10}	10-yr peak flow (m^3/s)	$Q_{10} = 0.0283 * Q_{10cfs}$	Q_{10cfs} (ft^3/s)	
INDEX	10-yr screening index ($m^{1.5}/s^{0.5}$)	$INDEX = S_v * Q_{10}^{0.5}$	Sv (m/m) Q_{10} (m^3/s)	
W_{ref}	Reference width (m)	$W_{ref} = 6.99 * Q_{10}^{0.438}$	Q_{10} (m^3/s)	
VWI	Valley width index (m/m)	$VWI = W_v/W_{ref}$	W_v (m) W_{ref} (m)	

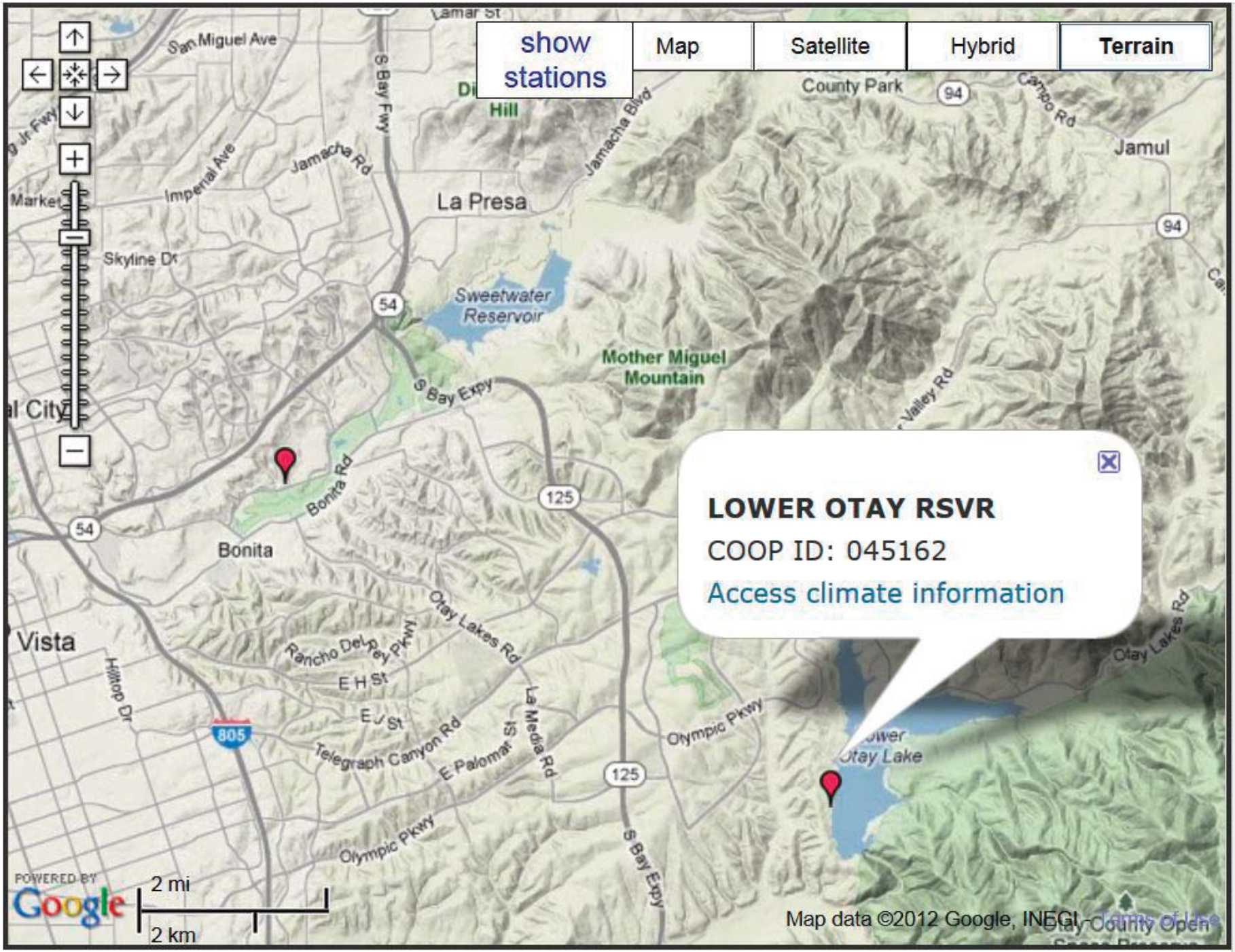
(Sheet 1 of 1)

SCCWRP FORM 1 ANALYSES

Reach	Area A, sq. mi.	Mean Annual Precip. P, inches	Valley Slope Sv, m/m	Valley Width Wv, m	10-Year Flow Q10cfs, cfs	10-Year Flow Q10, cms
Reach 1	0.410	11.07	0.0292	6.10	53	1.5

Reach	10-Year Screening Index INDEX	Reference Width Wref, m	Valley Width Index VWI, m/m
Reach 1	0.036	8.4	0.73

Western US COOP Station Map



LOWER OTAY RESERVOIR, CALIFORNIA (045162)

Period of Record Monthly Climate Summary

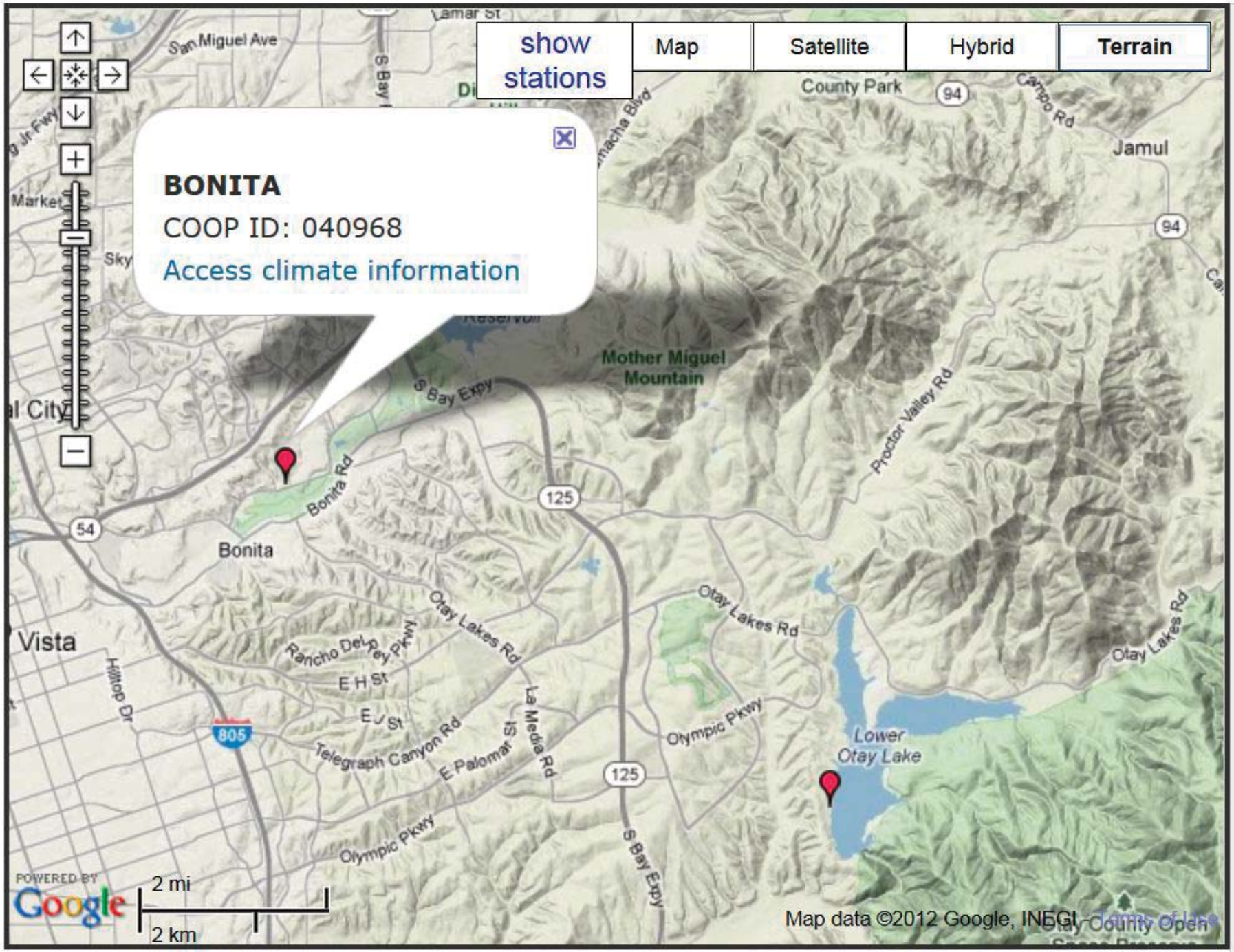
Period of Record : 9/ 1/1940 to 10/31/1956

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Max. Temperature (F)					Insuff	icient	Data						
Average Min. Temperature (F)					Insuff	icient	Data						
Average Total Precipitation (in.)	2.12	1.16	2.28	1.09	0.32	0.03	0.02	0.10	0.03	0.48	0.97	2.46	11.07
Average Total SnowFall (in.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Average Snow Depth (in.)	0	0	0	0	0	0	0	0	0	0	0	0	0

Percent of possible observations for period of record.
Max. Temp.: 0% Min. Temp.: 0% Precipitation: 100% Snowfall: 100% Snow Depth: 100%
Check Station Metadata or Metadata graphics for more detail about data completeness.

Western Regional Climate Center, wrcc@dri.edu

Western US COOP Station Map



BONITA, CALIFORNIA (040968)

Period of Record Monthly Climate Summary

Period of Record : 10/1/1915 to 12/31/1970

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Max. Temperature (F)	66.4	67.3	68.6	70.9	72.6	75.0	79.4	80.8	80.6	77.0	73.5	68.4	73.4
Average Min. Temperature (F)	40.0	42.2	44.2	48.2	52.6	55.9	59.6	60.7	57.5	51.6	44.3	40.9	49.8
Average Total Precipitation (in.)	2.14	2.09	1.75	0.97	0.36	0.06	0.01	0.06	0.18	0.55	1.09	2.25	11.51
Average Total SnowFall (in.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Average Snow Depth (in.)	0	0	0	0	0	0	0	0	0	0	1	0	0

Percent of possible observations for period of record.
Max. Temp.: 92.5% Min. Temp.: 92.6% Precipitation: 94% Snowfall: 93.6% Snow Depth: 93.3%
Check Station Metadata or Metadata graphics for more detail about data completeness.

Western Regional Climate Center, wrcc@dri.edu

APPENDIX B

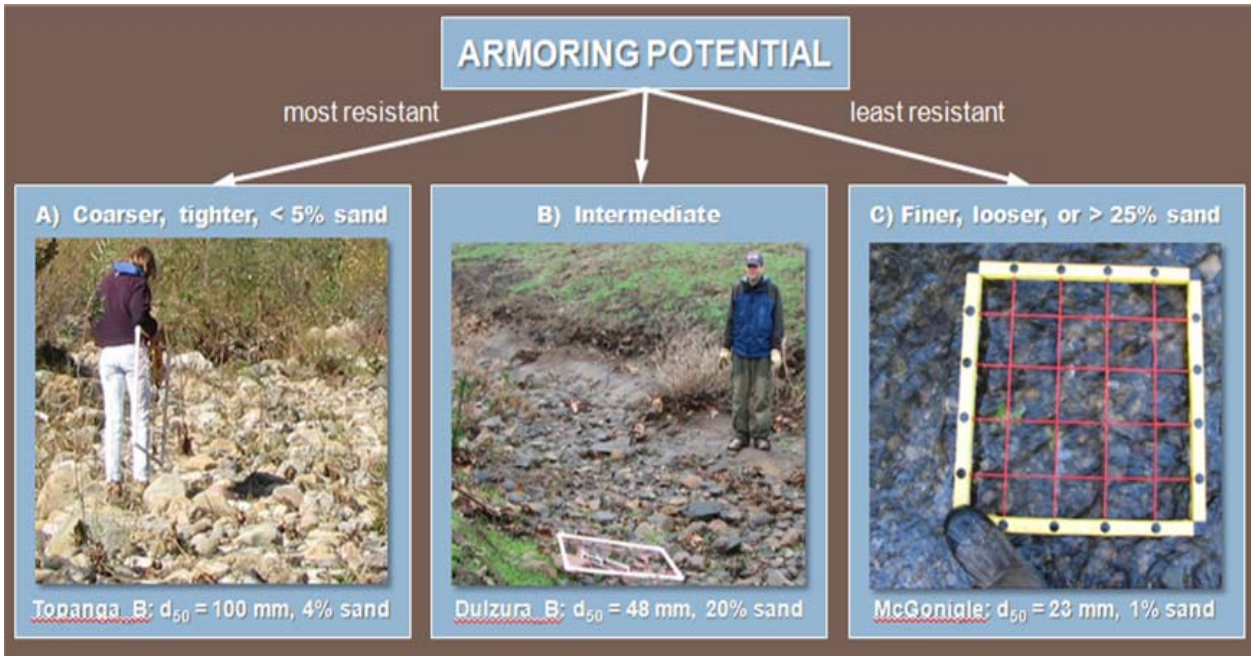
SCCWRP FIELD SCREENING DATA

Form 3 Support Materials

Form 3 Checklists 1 and 2, along with information recording in Form 3 Table 1, are intended to support the decisions pathways illustrated in Form 3 Overall Vertical Rating for Intermediate/Transitional Bed.

Form 3 Checklist 1: Armoring Potential

□	A	A mix of coarse gravels and cobbles that are tightly packed with <5% surface material of diameter <2 mm
X	B	Intermediate to A and C or hardpan of unknown resistance, spatial extent (longitudinal and depth), or unknown armoring potential due to surface veneer covering gravel or coarser layer encountered with probe
□	C	Gravels/cobbles that are loosely packed or >25% surface material of diameter <2 mm



Form 3 Figure 2. Armoring potential photographic supplement for assessing intermediate beds ($16 < d_{50} < 128$ mm) to be used i**n conjunction with Form 3 Checklist 1.**

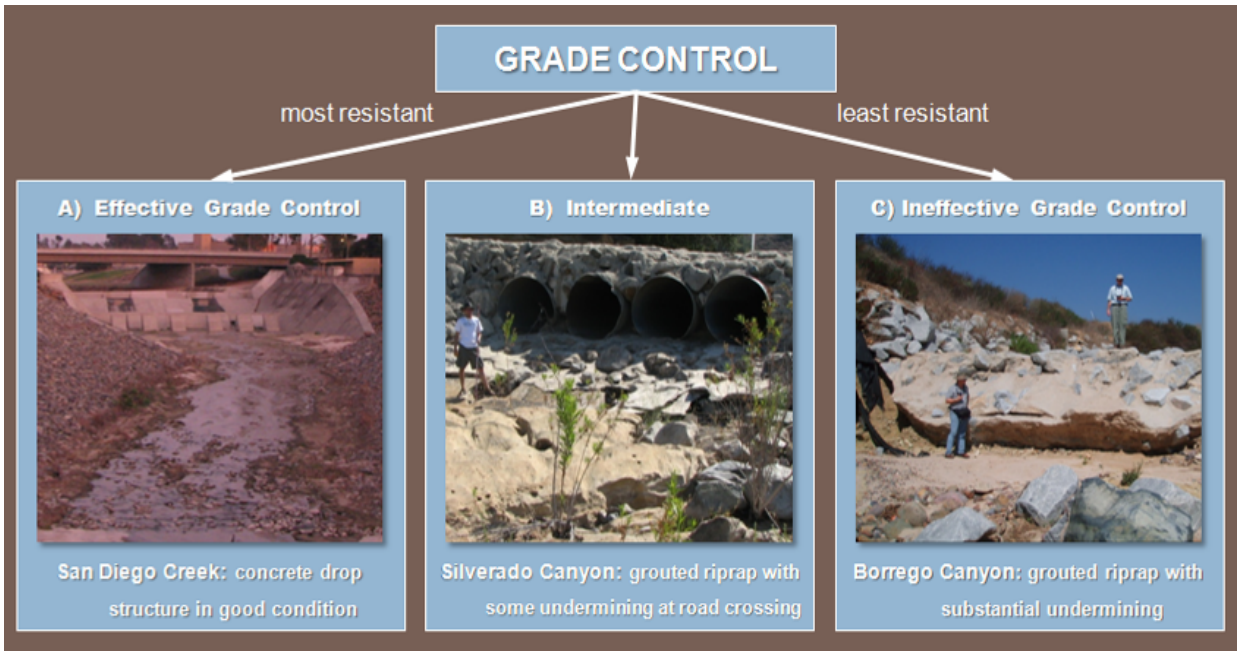
Form 3 Checklist 2: Grade Control

□ A Grade control is present with spacing <50 m or $2/S_v$ m

- No evidence of failure/ineffectiveness, e.g., no headcutting (>30 cm), no active mass wasting (analyst cannot say grade control sufficient if mass-wasting checklist indicates presence of bank failure), no exposed bridge pilings, no culverts/structures undermined
- Hard points in serviceable condition at decadal time scale, e.g., no apparent undermining, flanking, failing grout
- If geologic grade control, rock should be resistant igneous and/or metamorphic; For sedimentary/hardpan to be classified as 'grade control', it should be of demonstrable strength as indicated by field testing such as hammer test/borings and/or inspected by appropriate stakeholder

□ B Intermediate to A and C – artificial or geologic grade control present but spaced 2/Sv m to 4/Sv m or potential evidence of failure or hardpan of uncertain resistance

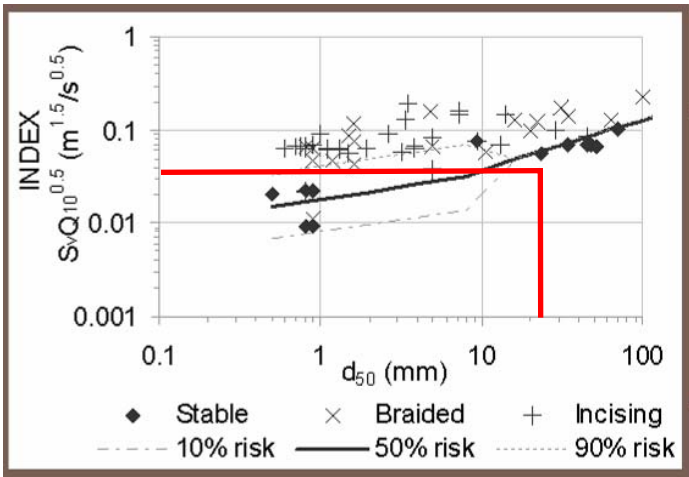
x C Grade control absent, spaced >100 m or $>4/S_v$ m, or clear evidence of ineffectiveness



Form 3 Figure 3. Grade-control (condition) photographic supplement for assessing intermediate beds ($16 < d_{50} < 128$ mm) to be used in conjunction with Form 3 Checklist 2.

Regionally-Calibrated Screening Index Threshold for Incising/Braiding

For transitional bed channels (d_{50} between 16 and 128 mm) or labile beds (channel not incised past critical bank height), use Form 3 Figure 3 to determine Screening Index Score and complete Form 3 Table 1.



Model Type	d_{50} (mm)	50% Risk $S_vQ_{10}^{0.5}$ ($m^{1.5}/s^{0.5}$)
Logistic Regression $d_{50} \geq 16$ mm	128	0.145
	96	0.125
	80	0.114
	64	0.101
	48	0.087
	32	0.070
	16	0.049
Logistic Reg. $d_{50} < 16$ mm	8	0.031
	4	0.026
	2	0.022
	1	0.018
	0.5	0.015

Form 3 Figure 4. Probability of incising/braiding based on logistic regression of Screening Index and d_{50} to be used in conjunction with Form 3 Table 1.

Form 3 Table 1. Values for Screening Index Threshold (probability of incising/braiding) to be used in conjunction with Form 3 Figure 4 (above) to complete Form 3 Overall Vertical Rating for Intermediate/Transitional Bed (below).. Screening Index Score: A = <50% probability of incision for current Q_{10}, valley slope, and d_{50}; B = Hardpan/d_{50} indeterminate; and C = ≥50% probability of incising/braiding for current Q_{10}, valley slope, and d_{50}.

d_{50} (mm) *From Form 2*	$S_v{*}Q_{10}^{0.5}$ ($m^{1.5}/s^{0.5}$) *From Form 1*	$S_v{*}Q_{10}^{0.5}$ ($m^{1.5}/s^{0.5}$) *50% risk of incising/braiding from table in Form 3 Figure 3 above*	Screening Index Score (A, B, C)

Overall Vertical Rating for Intermediate/Transitional Bed

Calculate the overall Vertical Rating for Transitional Bed channels using the formula below. Numeric values for responses to Form 3 Checklists and Table 1 as follows: A = 3, B = 6, C = 9.

$$Vertical\ Rating = \sqrt{\{(\sqrt{armoring} * grade\ control) * screening\ index\ score\}}$$

6 x 9 x 3 = 4.7

Vertical Susceptibility based on Vertical Rating: <4.5 = LOW; 4.5 to 7 = MEDIUM; and >7 = HIGH.

PEBBLE COUNT

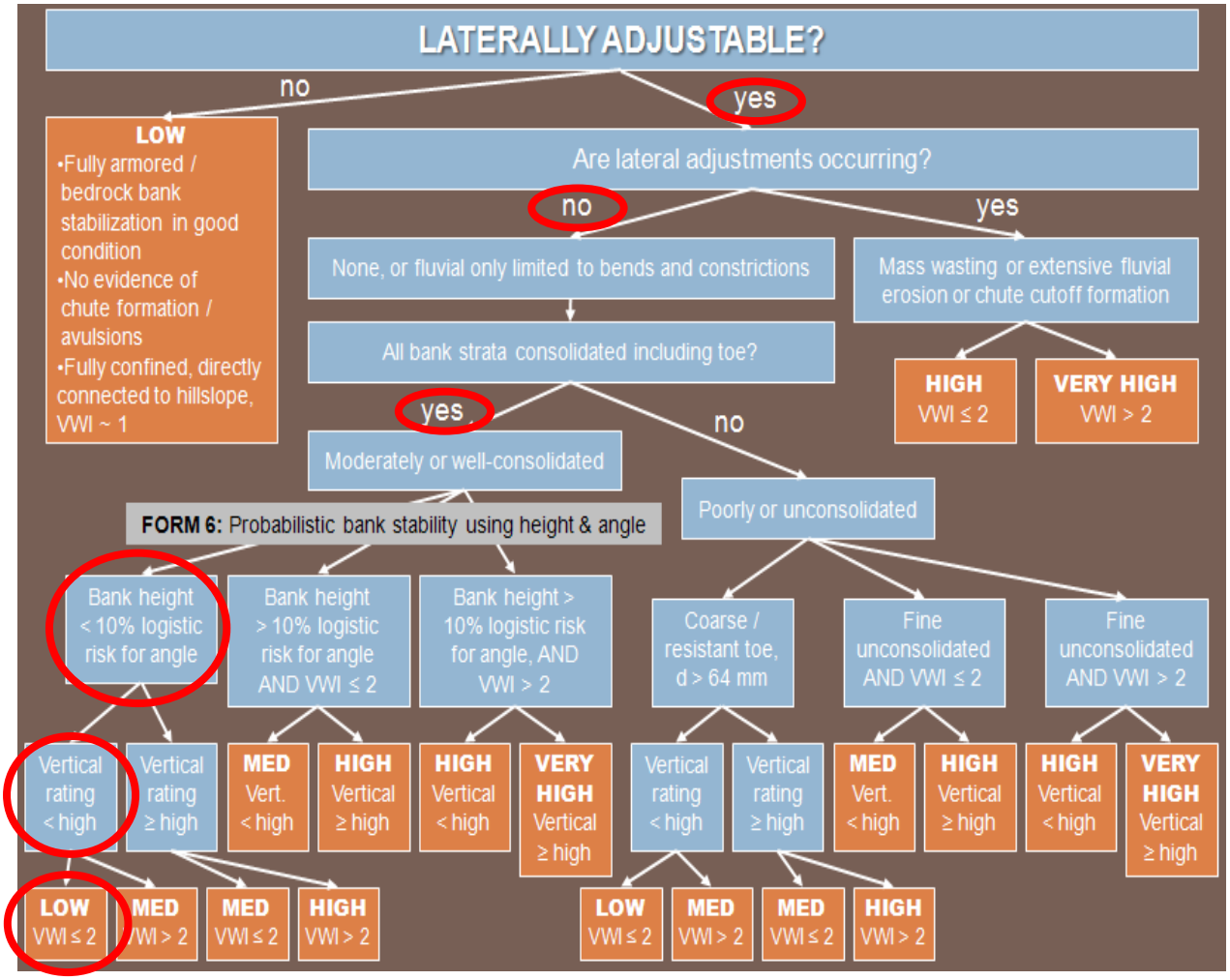
	Reach 1
#	Diameter, mm
1	2
2	2
3	2
4	2
5	2.8
6	2.8
7	2.8
8	2.8
9	4
10	4
11	4
12	4
13	4
14	4
15	5.6
16	5.6
17	5.6
18	5.6
19	5.6
20	8
21	8
22	8
23	8
24	8
25	8
26	11
27	11
28	11
29	11
30	11
31	16
32	16
33	16
34	16
35	16
36	16
37	16
38	16
39	16
40	22.6
41	22.6
42	22.6
43	22.6

	Reach 1	
#	Diameter, mm	
44	22.6	
45	22.6	
46	22.6	
47	22.6	
48	22.6	
49	22.6	
50	22.6	D50
51	22.6	
52	22.6	
53	22.6	
54	32	
55	32	
56	32	
57	32	
58	32	
59	32	
60	32	
61	32	
62	32	
63	32	
64	32	
65	32	
66	45	
67	45	
68	45	
69	45	
70	45	
71	45	
72	45	
73	45	
74	45	
75	45	
76	45	
77	45	
78	45	
79	45	
80	64	
81	64	
82	64	
83	64	
84	64	
85	90	
86	90	
87	90	
88	90	

	Reach 1
#	Diameter, mm
89	90
90	90
91	90
92	90
93	90
94	90
95	90
96	128
97	128
98	128
99	128
100	128

FORM 4: LATERAL SUSCEPTIBILTY FIELD SHEET

Circle appropriate nodes/pathway for proposed site
OR use sequence of questions provided in Form 5.



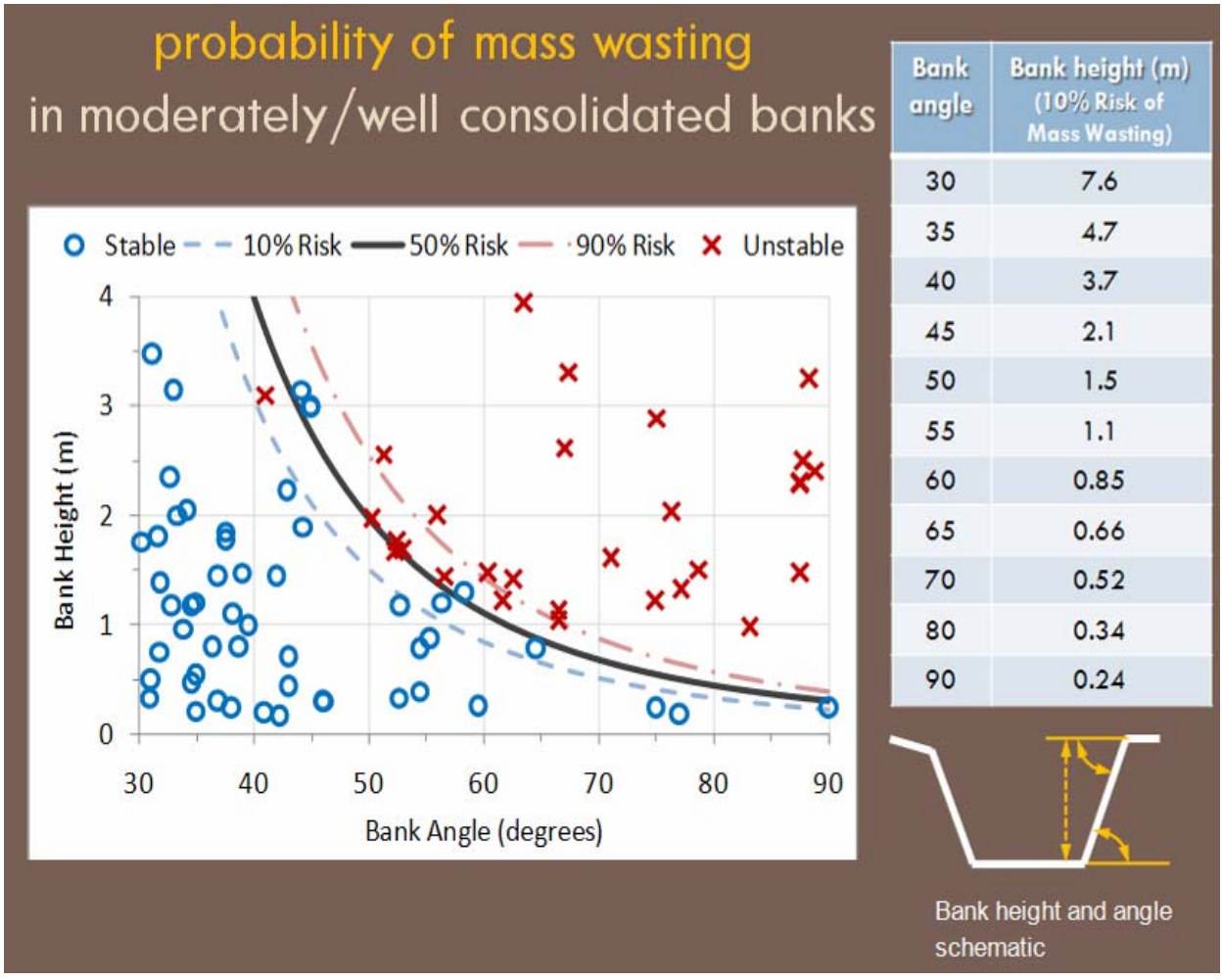
(Sheet 1 of 1)

REACH 1 RESULTS

FORM 6: PROBABILITY OF MASS WASTING BANK FAILURE

If mass wasting is not currently extensive and the banks are moderately- to well-consolidated, measure bank height and angle at several locations (i.e., at least three locations that capture the range of conditions present in the study reach) to estimate representative values for the reach. Use Form 6 Figure 1 below to determine if risk of bank failure is >10% and complete Form 6 Table 1. Support your results with photographs that include a protractor/rod/tape/person for scale.

	Bank Angle (degrees) *(from Field)*	**Bank Height (m)** *(from Field)*	**Corresponding Bank Height for 10% Risk of Mass Wasting (m)** *(from Form 6 Figure 1 below)*	**Bank Failure Risk** *(<10% Risk)* *(>10% Risk)*
Left Bank	2:1 (<26.6 degrees)	---	---	<10%
Right Bank	2:1 (<26.6 degrees)	---	---	<10%

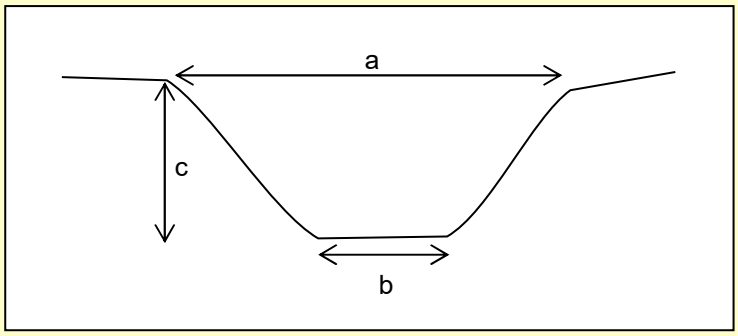


Form 6 Figure 1. Probability Mass Wasting diagram, Bank Angle:Height/% Risk table, and Band Height:Angle schematic.

Critical Flow Calculator

Reach 1

enter all values in green cells
and drop down boxes



Inputs

a) Receiving channel width at top of bank (ft) - see figure on right	60.0
b) Channel width at bed (ft)	20.0
c) Bank height at top of bank (ft)	4.0
Channel gradient (ft/ft)	0.0292
Receiving channel roughness	Same as above, but some weeds and stones n=0.045

Channel materials (use weakest of bed or banks). If materials are varied use weakest material covering more than 20% of channel.

- unconsolidated sandy loam 0.035 lb/sq ft
- alluvial silt (non coloidal) 0.045 lb/sq ft
- medium gravel 0.12 lb/sq ft
- alluvial silt/clay 0.26 lb/sq ft
- 2.5 inch cobble 1.1 lb/sq ft
- enter own d50 (variable)
- vegetation (bed and banks) 0.6 lb/sq ft

Select method of calculating Q2

- Input own Q2
- Calculate Q2 using USGS regression

Receiving water watershed annual precip (inches)	11.07	Receiving water watershed area at PoC (sq mi)	0.410
Project watershed annual precipitation (inches)	11.07	Project watershed area draining to PoC (sq mi)	0.410

Outputs - Flow control range

Receiving water Q2	3.6	**Point of Compliance low flow rate (cfs)**	**1.8**
Project site Q2	3.6	**Low flow class**	**0.5Q2**
		Channel vulnerability	**Low**

MAP POCKET

GRAPHIC SCALE

200 0 100 200 400

1 INCH = 200 FEET

OTAY MESA ROAD

PACIFIC RIM COURT

CAMINO MAQUILADORA

CACTUS ROAD

BRITTANIA BOULEVARD

13.39 AC

152.97 AC

STATE ROUTE 905

EXIST. RIPRAP-LINED TRAPEZOIDAL CHANNEL

EXIST. 48-INCH STORM DRAIN

EXIST. CONCRETE-LINED TRAPEZOIDAL CHANNEL

CACTUS ROAD

SITE

AIRWAY ROAD

HERITAGE ROAD

PARK

DRIVE

GATEWAY

POINT OF COMPLIANCE AT CONCRETE-LINED TRAPEZOIDAL CHANNEL OUTLET INTO UPPER END OF NATURAL SPRING CANYON CHANNEL - UPSTREAM END OF REACH 1.

96.27 AC

DOWNSTREAM END OF REACH 1 AT CONFLUENCE WITH NORTHERLY LATERAL CHANNEL

LEGEND:

- DRAINAGE BASIN BOUNDARY
- 96.27 AC DRAINAGE BASIN AREA
- PROPOSED STORM DRAIN
- PROPOSED PROJECT
- EXISTING STORM DRAIN AND STRUCTURE
- REACH 1 ALONG SPRING CANYON CHANNEL (LENGTH=2,300')

STUDY AREA EXHIBIT
COLLECTION AT CACTUS

ATTACHMENT 2D

FLOW CONTROL FACILITY DESIGN AND STRUCTURAL BMP DRAWDOWN CALCULATIONS

Preliminary Hydromodification Management Study

Collection at Cactus
City of San Diego, CA
November 25, 2024

PRJ# 1111415

Prepared For:

JPI REAL ESTATE ACQUISITION II, LLC

11988 El Camino Real, Suite 200

San Diego, CA 92130

conner.kloeppel@jpi.com

314-302-2469

Prepared By:

PROJECT DESIGN CONSULTANTS
a Bowman company

701 B Street, Suite 800
San Diego, CA 92101
619.235.6471

PDC Job No. 4481

Prepared by: J. Maynard
Under the supervision of

_____

Chelisa Pack, PE RCE 71026

Registration Expires 06/30/25

1. INTRODUCTION

This report summarizes hydromodification design for the Collection at Cactus project located in the City of San Diego, CA. The hydromodification calculations were performed utilizing continuous simulation analysis to size the storm water treatment and control facilities. Storm Water Management Model (SWMM) version 5.1 distributed by USEPA is the basis of both existing and proposed conditions modeling within this report. The biofiltration basin sizing and link configuration with the specialized outlet configuration ensures compliance with the Hydromodification Management Plan (HMP) requirements from the San Diego Regional Water Quality Control Board (SDRWQCB).

2. PROJECT DESCRIPTION

The Collection at Cactus site is a mixed-use, multifamily residential development in the south County San Diego, south of State Route 905 and Montgomery Field. The Collection will consist of 4 planning areas, plus a public park component with a mix of 3 and 4 story building types which total 976 units across the 39.62-acre site. The project is part of the Otay Mesa Community Central Village Specific Plan that was approved by Planning commission on February 23, 2017, and adopted by City Council on April 4th, 2017.

The vast majority of the project discharges to an existing 48" storm drain on Cactus Road. This pipe then discharges to an existing channel located on the neighboring property west of Cactus Road (Drawing No. 37010-20-D). This existing offsite channel eventually flows to Spring Canyon.

3. HYDROMODIFICATION MODELING OVERVIEW

3. 1 Model Description

PCSWMM is a proprietary software which utilizes the EPA's Stormwater Management Model (SWMM) as its computational engine, while providing added processing and analytical capabilities to streamline design. PCSWMM is essentially a user-friendly shell for SWMM that allows rapid development and analysis of SWMM models.

PCSWMM was employed for this study based on the ability to efficiently create, edit and compare models, perform detention routing with the same software, and moreover, due to the tendency for SWMM to produce results that have been found to more accurately represent San Diego area watersheds than the alternative San Diego Hydrology Model (SDHM).

SWMM is a semi-distributed hydrologic and hydraulic modeling software that simulates the rainfall-runoff response of a watershed based on linear-reservoir overland flow routing. This overland flow routine accounts the connectedness of pervious, impervious and Low Impact Development (LID) BMPs to the drainage system. LID BMPs are represented with a module in SWMM that simulates the water balance through standard LID BMP components, accounting for soil percolation, evapotranspiration, underdrain outflow, various media layer storage and subgrade infiltration. These controls provide a wide range of customizability between the various associated parameters and the ability to route underdrain or overflow to other SWMM elements, like storages nodes and conduits to represent most any conceivable LID system.

The outflow from these LID controls, storage components or watersheds is translated into the hydraulic component of the model that utilizes energy and momentum principles to determine flow through conduits, orifices and other structures. The hydraulics may be computed based on either the kinematic or dynamic-wave equations. In this study the former was used because there was no need to take downstream hydraulic grade line effects into consideration.

3.2 Hydromodification Criteria

The San Diego Regional Water Quality Control Board (SDRWQCB) requires the exceedance duration of post-developed flow rates be maintained to within 10% of the pre-developed flow durations. This must occur for flow frequencies ranging from a fraction of the 2-year flow (Q2) to the 10-year flow (Q10). These flow frequency values may be calculated directly from SWMM statistics or estimated based on accepted USGS regression equations. These equations estimate flows based on a correlation with watershed area and the mean annual rainfall developed for the region. For this project the SWMM output was used because of the exceedingly small values calculated by regression equations, which were developed with data from significantly larger watersheds.

The fraction of the Q2 that must be controlled is dependent on the relative erodibility of the channel being discharged to, categorized as either High, Medium or Low susceptibility. By default it is assumed that all channels have a High susceptibility, and that therefore 0.1 of the Q2 must be controlled. A Geomorphic Assessment of Receiving Channels may be performed to indicate whether the channel erosion susceptibility can be categorized as Medium or Low, allowing control to 0.3 or 0.5 of the Q2, respectively.

The low-flow threshold used in the analysis for Collection at Cactus project is the 0.3Q2 low-flow threshold, as determined as "medium susceptibility" by the geomorphic channel assessment analysis performed for the downstream locations. Complete geomorphic assessment report is in SWQMP Attachment 2C.

3.3 Model Development

The inputs required for a SWMM model include rainfall, evapotranspiration rates, watershed characteristics and BMP configurations. The sources for some of these parameters are provided in Table 1 below.

Table 1: Hydrology Criteria

Rain Gage	'Bonita – from Project Clean Water website
Evapotranspiration	Daily E-T Rates taken from Table G.1-1 in the City of San Diego BMP Design Manual based on location in Zone 16 of California irrigation Management Information System "Reference Evapotranspiration Zones"
Overland Flow Path Length	Based on available digital topographic data for pre-development conditions and proposed grading plan for post-project conditions.
Soils/Green-Ampt Parameters	Values for Hydrologic Soil Group 'D' taken from Table G.1-4 in the City of San Diego BMP Design Manual .

The drainage area to each point of compliance was delineated with the project boundary plus small fragments of adjacent land that drain through the site for both existing and proposed conditions. For the proposed model this drainage area has been broken up into the contributing subcatchment areas that drain to BMPs. See the Storm Water Quality Management Plan (SWQMP) for more information regarding the pollutant control strategy and Subcatchments.

The overland flow path lengths were drawn from a visual inspection of the watershed contours, extending from the upper ridge to the apparent flow path, perpendicular to the contours. The percent imperviousness was calculated based on the proposed coverages in the site plan.

4. Modeling for Hydromodification Compliance

For the post-developed condition, the proposed site footprint was represented as an equivalent imperviousness and a short overland flow path length typical of urban drainage systems. The pre-developed conditions for the site were modelled as the same areas of the post-developed condition for comparison purposes. The overall project site ultimately discharges to Spring Canyon in both pre and post development conditions.

The lined biofiltration basins were modelled by coupling the bioretention LID component to properly represent the media and underdrain, with the storage component to represent the basin surface storage. The parameters utilized for the biofiltration parameters were based on the published values in the City of San Diego Stormwater Standards. Subcatchment 3 is modeled as a bypass area.

It was determined that this suite of BMPs would be sufficient to provide flow control with the storage depths and outlet size provided herein based on the SWMM modeling results. The Status Report SWMM output file for the existing condition is provided in Attachment 3 and the proposed condition is provided in Attachment 4.

4.1 Flow Frequency Analysis

The SWMM statistics calculator was used to determine the pre-developed and post developed flow rates for the 2, 5, and 10-year recurrence intervals. These are provided below with the resultant low flow threshold based on the geomorphic assessment. The SWMM output used to calculate these values is provided in Attachment 5.

A Geomorphic Assessment of Receiving Channels, often referred to as a SCCWRP analysis, was performed by Chang Consultants for the Points of Compliance along Spring Canyon. It was determined that the channels had a medium susceptibility to erosion meaning that a 0.3 factor could be used as to calculate the low flow threshold from the flow rate of the 2-year recurrence interval.

Table 2 – Pre-Developed and Post-Mitigated Flows for POC 1 (BMP Basins 1 and 2 Combined)

POC-1	Pre-project Qpeak (cfs)	Post-project - Qpeak (cfs)
LF = 0.3xQ2	3.987	0.007
2-year	13.292	0.023
5-year	17.961	0.154
10-year	19.787	1.869

4.2 Biofiltration Basins

The basins are composed of above ground storage as well as biofiltration media. These components were represented as an LID control ("Bio-retention cell") in series with a storage node as simulated in SWMM. The module allows the user to represent the various stages of a biofiltration basin including ponding, media, and gravel storage above and below the underdrain. These layer depths were assigned per the design developed for pollutant control as shown in Table 8 and the parameter values were assigned with the standard values taken from Table G.1-7 in the BMP Design Manual (with some refinement). The underdrain is offset to allow for the dead storage needed per the standards. The drain coefficients are calculated based on media infiltration of 5 in/hr and the basin layer depths are listed in Table 3. Drain coefficient calculation is based on C factor calculation equation in the BMP Design Manual (Page G-27).

$$C = c_g \left(\frac{605}{A_{LID}} \right) \left(\frac{\pi D^2}{8} \right) \sqrt{\frac{g}{6}}$$

where,

cg is the orifice discharge coefficient, typically 0.60-0.65 for thin walled plates and higher for thicker walls;
ALID is the cumulative footprint area (ft^2) of all LID controls;
D is the underdrain orifice diameter (in); and
g is the gravitational constant (32.2 ft/s^2).

Table 3 – Biofiltration Model Summary

Biofiltration BMP #	Surface Area (sf)	Layer Depth			Underdrain Orifice (in)	Drain Coefficient
		Ponding (in)	Soil (in)	Gravel Storage (in)		
1	**7352**	6	30	15	2	0.1782
2	**6793**	6	30	15	2	0.1929
Media and storage parameters taken from Table G.1-7 in BMP Design Manual, including media infiltration = 5 in/hr						

To control the flows with this configuration, except for underdrain orifices, a series of flow orifices were connected between the biofiltration basin storage node connected to the point of compliance. The orifice design is summarized in Table 4. Furthermore, DMA 3, which has a proposed modular wetland system for treatment, is modeled as a bypass subcatchment. DMA 3 drains directly to the POC and does not have any hydromodification controls for flow control. See Attachment 2 for the SWMM Models with Subcatchment Schematics.

Table 4 – Biofiltration Orifice Design

*Offset is from the finish surface.

Biofiltration BMP-1:

Orifices		Overflow Weir
Dia. (in)	Offset (ft)	Offset (ft)
1 (x1)	0.75	5
5 (x10)	2.25	-
3(x10)	3.42	-

Biofiltration BMP-2:

Orifices		Overflow Weir
Dia. (in)	Offset (ft)	Offset (ft)
1 (x1)	0.75	2.5
5 (x6)	1.0	-

4.4 Flow Duration Curves for Hydromodification Compliance

The pre and post developed flow duration exceedance curves were developed for the hourly flow data using an automatic partial duration series calculator in PCSWMM. These curves are graphed over the flow ranges listed in Table 2 and are provided in Attachment 6. In all cases the duration of post developed flows are brought to well within that of the pre developed flows for 30% the two-year flow to the ten-year flow, indicating that the suite of BMPs will provide the flow attenuation required for compliance.

5.0 SUMMARY

The predeveloped conditions of the Collection at Cactus site were modelled in SWMM to determine a baseline of flow durations that would need to be controlled in the post-developed conditions. The proposed development was also modelled in SWMM with biofiltration basins that have significant storage. Based on the SWMM model results for this study it is determined that the combination of LID BMPs, including two biofiltration basins will be able to satisfy the hydromodification criteria. This study is intended to demonstrate that these controls as sized are capable of providing hydromodification compliance and a full outlet design will be performed during final engineering.

Attachments

1 – Hydromodification Management Exhibit

2 – SWMM Model w/ Subcatchment Schematics

3 – SWMM Output – Existing Condition

4 – SWMM Output – Proposed Conditions

5 – Flow Frequency Statistical Analysis results

6 – Flow Duration Curve

ATTACHMENT 1

Hydromodification Management Exhibit

LEGEND

- SUBCATCHMENT LINE
- FLOW DIRECTION
- AREA — X.XX AC
- DRAINAGE FLOWPATH

HP

HP

HP

STATE ROUTE 905

OTAY MESA FWY

EXISTING 48" STORM DRAIN TO SPRING CANYON

POC-1

SUB-1

36.34 AC

SPRING CANYON

EPOCA

AIRWAY GARDENS

CACTUS ROAD

AIRWAY ROAD

N.A.P. NOT SUBJECT TO HYDROMOD REQUIRMENTS

100 50 0 100 200 300

SCALE: 1"=100'

SCALE:	1"=100'
JOB #:	4481
CREATED:	11/7/23

PREPARED BY:

PROJECT DESIGN CONSULTANTS
Planning | Landscape Architecture | Engineering | Survey

701 B Street, Suite 800
San Diego, CA 92101
619.235.6471 Tel
619.234.0349 Fax

CITY OF SAN DIEGO

COLLECTION AT CACTUS

HYDROMOD EXHIBIT
EXISTING CONDITIONS
EXHIBIT A

LEGEND

SUB

FLOW DIRECTION

SUB AREA — X.XX AC

DRAINAGE FLOWPATH

STATE ROUTE 905

OTAY MESA FWY

ENVIRONMENTALLY SENSITIVE AREA BOUNDARY. PROPOSED BUFFER = 25'

EXISTING 48" STORM DRAIN

POC 1

EXISTING CHANNEL ON SESI PROPERTY PER DWG 37010-D

CALTRANS ROW

HP

BMP-1

SUB-1
31.52 AC

PA-11

PA-12

PA-13

PA-10

BMP-2

BMP-3

PUBLIC PARK
SUB-2
3.62 AC

SUB-3
1.20 AC

STREET D
(PUBLIC)

PARK WAY
(PUBLIC)

CACTUS ROAD

CONTINENTAL STREET

EPOCA

AIRWAY ROAD

PROPOSED INLET

EXISTING INLET

FUTURE INLET

CURRENT INTERIM INLETS

AIRWAY GARDENS

SUBCATCHMENT*	SUBCATCHMENT AREA (AC)	BMP SUBCATCHMENT AREA	BMP SUBCATCHMENT AREA (AC)
SUB-1	30.626	BMP-1	0.8936
SUB-2	3.573	BMP-2	0.0470
SUB-3	1.200	N/A	N/A

NOTES:

*
SUBCATCHMENT AREAS SHOWN ON THE EXHIBIT REFLECT THE TOTAL SUBCATCATCHMENT AND LID SUBCATCHMENT.
FOR EXAMPLE,
THE EXHIBIT SHOWS:
SUB-1 AS 31.52 ACRES
THE TABLE SHOWS:
SUB-1 AS 30.626 ACRES AND BMP-1 AS 0.8936 ACRES
COMBINED:
30.626+0.8936 = 31.52 ACRES

* *
FOR SUB-3, THE WESTERN PORTION OF PROPOSED STREET D MEETS THE HMP (HYDROMODIFICATION MANAGEMENT PLAN) REQUIREMENTS BY BEING DESIGNATED AS A BYPASS AREA IN THE SWMM (STORM WATER MANAGEMENT MODEL). THIS AREA IS SUBJECT TO A CONTINUOUS SIMULATION TO ENSURE COMPLIANCE. FOR SUB-1 AND SUB-2, THE RUNOFF IS ROUTED TO LID (LOW IMPACT DEVELOPMENT) BASIN AREAS, WHICH HAVE LOW-FLOW CONTROL DEVICES, SUCH AS ORIFICES, TO MITIGATE AND MEET HMP REQUIREMENTS.

N

80 40 0 80 160 240

SCALE: 1"=80'

SCALE: 1"=80'

JOB #: 4481

CREATED: 10/30/23

PREPARED BY:

PROJECT DESIGN CONSULTANTS
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701 B Street, Suite 800
San Diego, CA 92101
619.235.6471 Tel
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CITY OF SAN DIEGO

COLLECTION AT CACTUS

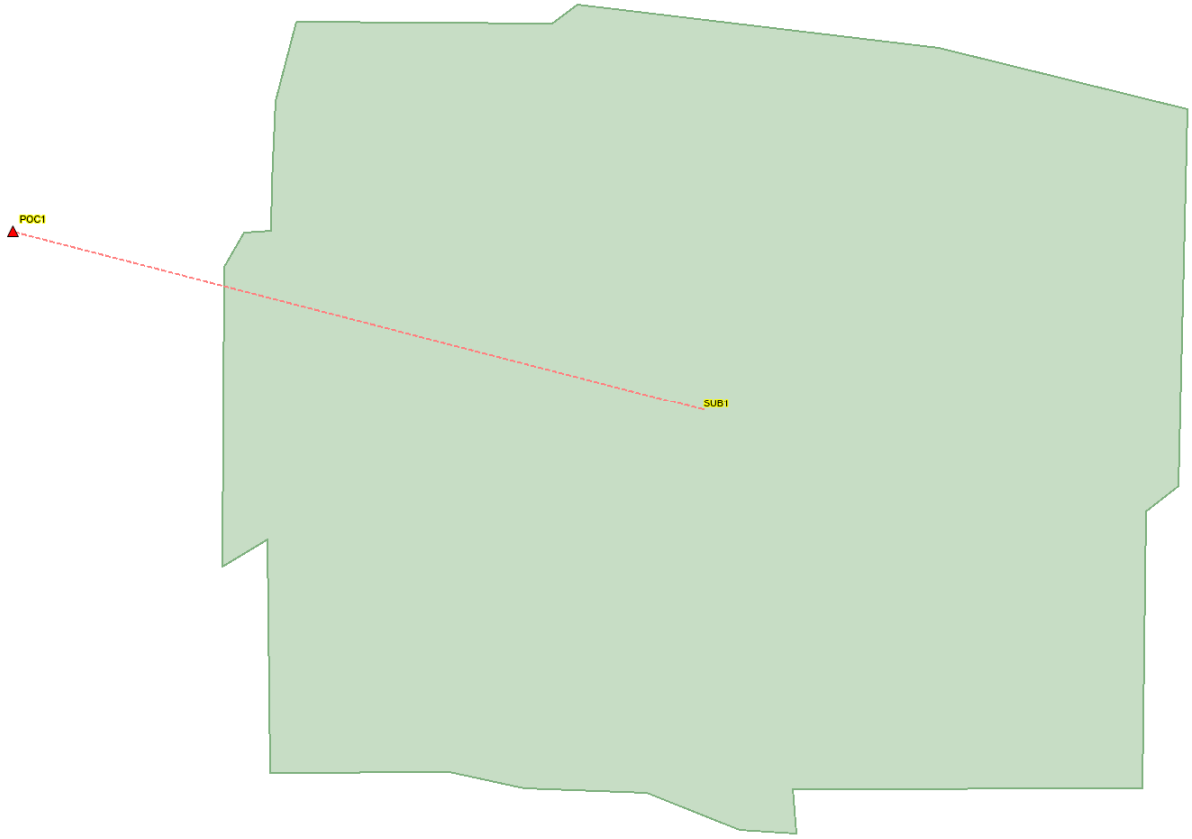
HYDROMOD EXHIBIT
PROPOSED CONDITIONS

ATTACHMENT 2

SWMM Model with

Sub-catchment Parameters and Schematic

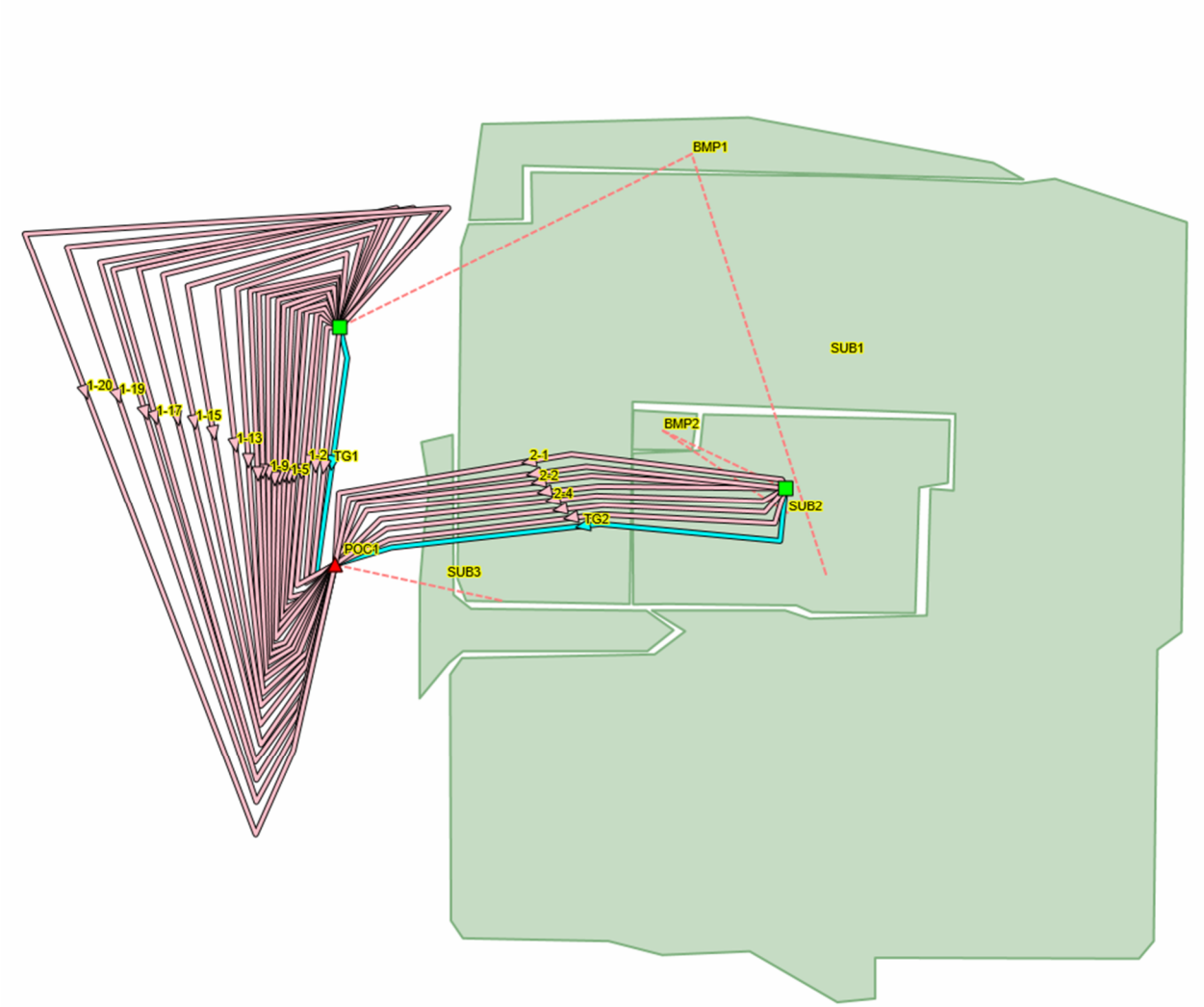
Existing Conditions



Subcatchments

	Name	Rain Gage	Outlet	Area (ac)	Width (ft)	Slope (%)	Imperv. (%)	N Imperv	N Perv	Dstore Imperv (in)	Dstore Perv (in)	Zero Imperv (%)	Subarea Routing	Percent Routed (%)
▶	SUB1	Bonita	POC1	36.34	1698	2	3	0.012	0.015	0.05	0.1	25	OUTLET	100

Proposed Conditions



Subcatchments

	Name	Rain Gage	Outlet	Area (ac)	Width (ft)	Slope (%)	Imperv. (%)	N Imperv	N Perv	Dstore Imperv (in)	Dstore Perv (in)	Zero Imperv (%)	Subarea Routing	Percent Routed (%)
▶	BMP2	Bonita	2	0.047	66	0	0	0.012	0.1	0.05	0.1	25	OUTLET	100
	SUB2	Bonita	BMP2	3.573	60	2	40	0.012	0.1	0.05	0.1	25	OUTLET	100
	SUB1	Bonita	BMP1	30.626	850	1	95	0.012	0.1	0.05	0.1	25	OUTLET	100
	BMP1	Bonita	1	0.8936	44	0	0	0.012	0.1	0.05	0.1	25	OUTLET	100
	SUB3	Bonita	POC1	1.2	60	2	95	0.012	0.1	0.05	0.1	25	OUTLET	100

Attachment 3

SWMM Output – Existing Conditions

EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)

****
Analysis Options
****
Flow Units ..... CFS
Process Models:
  Rainfall/Runoff ..... YES
  RDII ..... NO
  Snowmelt ..... NO
  Groundwater ..... NO
  Flow Routing ..... NO
  Water Quality ..... NO
Infiltration Method ..... GREEN_AMPT
Starting Date 10/03/1970 00:00:00
Ending Date 05/25/2008 23:00:00
Antecedent Dry Days 0.0
Report Time Step 01:00:00
Wet Time Step 00:05:00
Dry Time Step 01:00:00

Runoff Quantity Continuity	Volume acre-feet	Depth inches
Total Precipitation	1026.938	339.110
Evaporation Loss	68.236	22.532
Infiltration Loss	808.478	266.971
Surface Runoff	157.399	51.975
Final Storage	0.002	0.001
Continuity Error (%)	-0.699	

Flow Routing Continuity	Volume acre-feet	Volume 10^6 gal
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	157.399	51.291
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	0.000	0.000
External Outflow	157.399	51.291
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.000	0.000
Continuity Error (%)	0.000	

****

Subcatchment Runoff Summary
****

Subcatchment	Total Precip in	Total Runon in	Total Evap in	Total Infil in	Imperv Runoff in	Perv Runoff in	Total Runoff in	Total Runoff 10^6 gal	Peak Runoff CFS	Runoff Coeff
SUB1	339.11	0.00	22.53	266.97	7.72	44.25	51.98	51.29	39.17	0.153

Analysis begun on: Wed Nov 20 12:00:19 2024
Analysis ended on: Wed Nov 20 12:00:42 2024
Total elapsed time: 00:00:23

```
[TITLE]
;;Project Title/Notes

[OPTIONS]
;;Option             Value
FLOW_UNITS           CFS
INFILTRATION         GREEN_AMPT
FLOW_ROUTING         KINWAVE
LINK_OFFSETS         DEPTH
MIN_SLOPE            0
ALLOW_PONDING        NO
SKIP_STEADY_STATE    NO

START_DATE           10/03/1970
START_TIME           00:00:00
REPORT_START_DATE    10/03/1970
REPORT_START_TIME    00:00:00
END_DATE             05/25/2008
END_TIME             23:00:00
SWEEP_START          01/01
SWEEP_END            12/31
DRY_DAYS             0
REPORT_STEP          01:00:00
WET_STEP             00:05:00
DRY_STEP             01:00:00
ROUTING_STEP         0:00:30
RULE_STEP            00:00:00

INERTIAL_DAMPING     PARTIAL
NORMAL_FLOW_LIMITED  BOTH
FORCE_MAIN_EQUATION  H-W
VARIABLE_STEP        0.75
LENGTHENING_STEP     0
MIN_SURFAREA         12.566
MAX_TRIALS           8
HEAD_TOLERANCE       0.005
SYS_FLOW_TOL         5
LAT_FLOW_TOL         5
MINIMUM_STEP         0.5
THREADS              1

[EVAPORATION]
;;Data Source    Parameters
;;-------------- ----------------
MONTHLY          0.6    .08    .11    .15    .17    .19    .19    .18    .15    .11    .08    .06
DRY_ONLY         NO

[RAINGAGES]
;;Name           Format    Interval SCF      Source
;;-------------- --------- ------ ------ ----------
```

```
Bonita           VOLUME    1:00     1.0      TIMESERIES Bonita

[SUBCATCHMENTS]
;;Name           Rain Gage        Outlet           Area     %Imperv  Width    %Slope   CurbLen  SnowPack
;;-------------- ---------------- ---------------- -------- -------- -------- -------- -------- ----------------
SUB1             Bonita           POC1             36.34    3        1698     2        0

[SUBAREAS]
;;Subcatchment   N-Imperv   N-Perv     S-Imperv   S-Perv     PctZero    RouteTo    PctRouted
;;-------------- ---------- ---------- ---------- ---------- ---------- ---------- ----------
SUB1             0.012      0.015      0.05       0.10       25         OUTLET

[INFILTRATION]
;;Subcatchment   Param1     Param2     Param3     Param4     Param5
;;-------------- ---------- ---------- ---------- ---------- ----------
SUB1             9          0.025      0.3

[OUTFALLS]
;;Name           Elevation  Type       Stage Data       Gated    Route To
;;-------------- ---------- ---------- ---------------- -------- ----------------
POC1             0          FREE                        NO

[TIMESERIES]
;;Name           Date       Time       Value
;;-------------- ---------- ---------- ----------
Bonita           10/3/1970  5:00       0.01
Bonita           10/3/1970  6:00       0.02
Bonita           10/3/1970  7:00       0.01
Bonita           10/3/1970  16:00      0.02
Bonita           10/24/1970 8:00       0.01
Bonita           11/25/1970 23:00      0.1
Bonita           11/26/1970 4:00       0.1
Bonita           11/26/1970 5:00       0.2
Bonita           11/26/1970 8:00       0.1
Bonita           11/27/1970 11:00      0.1
Bonita           11/29/1970 13:00      0.1
Bonita           11/29/1970 14:00      0.1
Bonita           11/29/1970 15:00      0.2
Bonita           11/29/1970 16:00      0.2
Bonita           11/29/1970 17:00      0.3
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Bonita           12/14/1970 16:00      0.02
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Bonita           12/17/1970 4:00       0.01
Bonita           12/17/1970 5:00       0.01
Bonita           12/17/1970 6:00       0.01
Bonita           12/17/1970 7:00       0.01
```

Bonita	12/17/1970 8:00	0.01
Bonita	12/17/1970 9:00	0.01
Bonita	12/17/1970 10:00	0.01
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Bonita	12/17/1970 12:00	0.02
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Bonita	12/17/1970 16:00	0.15
Bonita	12/17/1970 17:00	0.02
Bonita	12/17/1970 18:00	0.01
Bonita	12/17/1970 19:00	0.01
Bonita	12/17/1970 20:00	0.01
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Bonita	12/19/1970 2:00	0.01
Bonita	12/19/1970 3:00	0.01
Bonita	12/19/1970 4:00	0.01
Bonita	12/19/1970 5:00	0.01
Bonita	12/19/1970 6:00	0.01
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Bonita	12/19/1970 9:00	0.02
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Bonita	12/19/1970 17:00	0.04
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Bonita	12/20/1970 8:00	0.01

Bonita	12/20/1970	9:00	0.01
Bonita	12/20/1970	10:00	0.02
Bonita	12/20/1970	11:00	0.02
Bonita	12/20/1970	12:00	0.02
Bonita	12/20/1970	13:00	0.03
Bonita	12/20/1970	14:00	0.04
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Bonita	12/20/1970	21:00	0.01
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Bonita	12/21/1970	3:00	0.02
Bonita	12/21/1970	4:00	0.03
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Bonita	12/21/1970	6:00	0.03
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Bonita	12/21/1970	8:00	0.03
Bonita	12/21/1970	9:00	0.04
Bonita	12/21/1970	10:00	0.04
Bonita	12/21/1970	11:00	0.05
Bonita	12/21/1970	12:00	0.06
Bonita	12/21/1970	13:00	0.07
Bonita	12/21/1970	14:00	0.1
Bonita	12/21/1970	15:00	0.14
Bonita	12/21/1970	16:00	0.52
Bonita	12/21/1970	17:00	0.08
Bonita	12/21/1970	18:00	0.05
Bonita	12/21/1970	19:00	0.04
Bonita	12/21/1970	20:00	0.03
Bonita	12/21/1970	21:00	0.03
Bonita	12/21/1970	22:00	0.02
Bonita	12/21/1970	23:00	0.02
Bonita	12/21/1970	24:00	0.02
Bonita	12/22/1970	12:00	0.01
Bonita	12/22/1970	13:00	0.01
Bonita	12/22/1970	14:00	0.01
Bonita	12/22/1970	15:00	0.01
Bonita	12/22/1970	16:00	0.05
Bonita	12/22/1970	17:00	0.01
Bonita	1/2/1971	4:00	0.2
Bonita	1/2/1971	9:00	0.1
Bonita	1/12/1971	23:00	0.1
Bonita	2/17/1971	4:00	0.1

Bonita	2/17/1971	8:00	0.1
Bonita	2/17/1971	9:00	0.1
Bonita	2/19/1971	16:00	0.1
Bonita	2/19/1971	18:00	0.1
Bonita	2/23/1971	2:00	0.1
Bonita	2/23/1971	15:00	0.1
Bonita	3/13/1971	6:00	0.1
Bonita	4/14/1971	11:00	0.1
Bonita	4/14/1971	12:00	0.2
Bonita	4/14/1971	16:00	0.1
Bonita	4/15/1971	5:00	0.1
Bonita	4/17/1971	21:00	0.1
Bonita	4/18/1971	7:00	0.1
Bonita	4/25/1971	7:00	0.2
Bonita	4/26/1971	2:00	0.1
Bonita	9/29/1971	5:00	0.01
Bonita	9/29/1971	6:00	0.03
Bonita	9/29/1971	7:00	0.01
Bonita	9/29/1971	9:00	0.01
Bonita	10/16/1971	3:00	0.05
Bonita	10/16/1971	4:00	0.01
Bonita	10/16/1971	5:00	0.06
Bonita	10/16/1971	6:00	0.07
Bonita	10/16/1971	7:00	0.15
Bonita	10/16/1971	8:00	0.02
Bonita	10/16/1971	23:00	0.03
Bonita	10/16/1971	24:00	0.05
Bonita	10/17/1971	1:00	0.02
Bonita	10/17/1971	13:00	0.01
Bonita	10/17/1971	15:00	0.07
Bonita	10/25/1971	2:00	0.26
Bonita	11/12/1971	7:00	0.01
Bonita	11/12/1971	8:00	0.05
Bonita	11/12/1971	9:00	0.01
Bonita	11/12/1971	14:00	0.01
Bonita	11/29/1971	2:00	0.01
Bonita	11/29/1971	9:00	0.02
Bonita	12/3/1971	3:00	0.03
Bonita	12/3/1971	4:00	0.06
Bonita	12/3/1971	9:00	0.01
Bonita	12/3/1971	23:00	0.03
Bonita	12/3/1971	24:00	0.05
Bonita	12/4/1971	1:00	0.08
Bonita	12/4/1971	2:00	0.02
Bonita	12/4/1971	4:00	0.01
Bonita	12/4/1971	9:00	0.01
Bonita	12/7/1971	4:00	0.01
Bonita	12/7/1971	7:00	0.01
Bonita	12/13/1971	5:00	0.1
Bonita	12/13/1971	6:00	0.03

Bonita	12/13/1971	7:00	0.01
Bonita	12/21/1971	21:00	0.01
Bonita	12/21/1971	23:00	0.02
Bonita	12/22/1971	2:00	0.01
Bonita	12/22/1971	3:00	0.01
Bonita	12/22/1971	5:00	0.05
Bonita	12/22/1971	6:00	0.15
Bonita	12/22/1971	7:00	0.07
Bonita	12/22/1971	9:00	0.01
Bonita	12/22/1971	10:00	0.04
Bonita	12/22/1971	18:00	0.04
Bonita	12/22/1971	19:00	0.01
Bonita	12/24/1971	11:00	0.03
Bonita	12/24/1971	12:00	0.08
Bonita	12/24/1971	15:00	0.03
Bonita	12/24/1971	16:00	0.03
Bonita	12/24/1971	17:00	0.04
Bonita	12/25/1971	6:00	0.04
Bonita	12/25/1971	7:00	0.02
Bonita	12/25/1971	8:00	0.01
Bonita	12/25/1971	13:00	0.01
Bonita	12/25/1971	14:00	0.01
Bonita	12/25/1971	20:00	0.02
Bonita	12/25/1971	21:00	0.07
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Bonita	12/26/1971	2:00	0.02
Bonita	12/26/1971	4:00	0.01
Bonita	12/26/1971	8:00	0.02
Bonita	12/27/1971	16:00	0.04
Bonita	12/27/1971	17:00	0.11
Bonita	12/27/1971	18:00	0.08
Bonita	12/27/1971	19:00	0.11
Bonita	12/27/1971	20:00	0.08
Bonita	12/27/1971	21:00	0.01
Bonita	12/28/1971	11:00	0.02
Bonita	12/28/1971	12:00	0.06
Bonita	12/28/1971	13:00	0.02
Bonita	12/28/1971	14:00	0.03
Bonita	12/28/1971	19:00	0.01
Bonita	12/28/1971	23:00	0.01
Bonita	12/28/1971	24:00	0.01
Bonita	2/5/1972	3:00	0.01
Bonita	2/5/1972	4:00	0.04
Bonita	2/5/1972	5:00	0.02
Bonita	2/5/1972	7:00	0.02
Bonita	2/5/1972	8:00	0.01
Bonita	2/5/1972	9:00	0.04
Bonita	2/5/1972	10:00	0.01
Bonita	4/11/1972	13:00	0.02
Bonita	4/11/1972	14:00	0.01

Bonita	4/11/1972	15:00	0.01
Bonita	4/11/1972	16:00	0.01
Bonita	4/13/1972	4:00	0.02
Bonita	4/13/1972	8:00	0.04
Bonita	4/19/1972	18:00	0.02
Bonita	5/17/1972	19:00	0.01
Bonita	5/18/1972	21:00	0.01
Bonita	5/19/1972	3:00	0.01
Bonita	5/19/1972	4:00	0.05
Bonita	5/19/1972	5:00	0.02
Bonita	5/19/1972	9:00	0.01
Bonita	5/19/1972	10:00	0.01
Bonita	5/19/1972	11:00	0.01
Bonita	5/19/1972	20:00	0.02
Bonita	5/19/1972	24:00	0.01
Bonita	5/20/1972	2:00	0.04
Bonita	5/20/1972	6:00	0.07
Bonita	5/20/1972	7:00	0.03
Bonita	6/5/1972	15:00	0.04
Bonita	6/5/1972	19:00	0.01
Bonita	6/6/1972	11:00	0.01
Bonita	6/6/1972	22:00	0.01
Bonita	6/7/1972	3:00	0.01
Bonita	6/7/1972	4:00	0.01
Bonita	6/7/1972	6:00	0.03
Bonita	6/7/1972	9:00	0.01
Bonita	6/7/1972	23:00	0.01
Bonita	6/8/1972	18:00	0.01
Bonita	6/9/1972	1:00	0.01
Bonita	6/9/1972	21:00	0.01
Bonita	6/10/1972	3:00	0.02
Bonita	6/10/1972	4:00	0.04
Bonita	6/10/1972	5:00	0.02
Bonita	6/20/1972	6:00	0.03
Bonita	6/20/1972	10:00	0.06
Bonita	6/20/1972	11:00	0.06
Bonita	6/20/1972	12:00	0.08
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Bonita	6/22/1972	23:00	0.01
Bonita	6/22/1972	24:00	0.02
Bonita	6/23/1972	8:00	0.01
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Bonita	9/6/1972	5:00	0.11
Bonita	9/6/1972	6:00	0.02
Bonita	9/6/1972	8:00	0.02
Bonita	9/6/1972	9:00	0.04
Bonita	9/6/1972	10:00	0.01
Bonita	9/6/1972	11:00	0.02
Bonita	9/8/1972	21:00	0.01
Bonita	9/8/1972	24:00	0.01

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Bonita	9/9/1972	4:00	0.01
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Bonita	9/9/1972	14:00	0.02
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Bonita	10/17/1972	16:00	0.04
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Bonita	10/17/1972	22:00	0.04
Bonita	10/17/1972	23:00	0.05
Bonita	10/18/1972	1:00	0.01
Bonita	10/18/1972	2:00	0.02
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Bonita	10/18/1972	5:00	0.04
Bonita	10/18/1972	7:00	0.02
Bonita	10/18/1972	8:00	0.05
Bonita	10/18/1972	9:00	0.01
Bonita	10/18/1972	14:00	0.05
Bonita	10/18/1972	15:00	0.02
Bonita	10/18/1972	16:00	0.01
Bonita	10/18/1972	19:00	0.01
Bonita	10/19/1972	9:00	0.02
Bonita	10/19/1972	19:00	0.01
Bonita	10/19/1972	24:00	0.05
Bonita	10/20/1972	2:00	0.01
Bonita	10/20/1972	8:00	0.03
Bonita	10/20/1972	13:00	0.02
Bonita	10/26/1972	17:00	0.01
Bonita	10/26/1972	19:00	0.01
Bonita	10/27/1972	6:00	0.01
Bonita	10/27/1972	7:00	0.01
Bonita	11/7/1972	24:00	0.01
Bonita	11/8/1972	1:00	0.02
Bonita	11/8/1972	2:00	0.1
Bonita	11/8/1972	3:00	0.01
Bonita	11/10/1972	21:00	0.06
Bonita	11/10/1972	22:00	0.14
Bonita	11/10/1972	24:00	0.01
Bonita	11/11/1972	1:00	0.05
Bonita	11/11/1972	3:00	0.12
Bonita	11/11/1972	6:00	0.04
Bonita	11/11/1972	8:00	0.02
Bonita	11/11/1972	9:00	0.73
Bonita	11/11/1972	10:00	0.09
Bonita	11/11/1972	12:00	0.01
Bonita	11/11/1972	24:00	0.03

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Bonita	11/12/1972	7:00	0.01
Bonita	11/13/1972	11:00	0.02
Bonita	11/13/1972	13:00	0.04
Bonita	11/13/1972	14:00	0.14
Bonita	11/13/1972	15:00	0.02
Bonita	11/13/1972	16:00	0.01
Bonita	11/13/1972	17:00	0.01
Bonita	11/13/1972	19:00	0.07
Bonita	11/14/1972	24:00	0.01
Bonita	11/15/1972	19:00	0.02
Bonita	11/15/1972	20:00	0.01
Bonita	11/15/1972	21:00	0.13
Bonita	11/15/1972	22:00	0.04
Bonita	11/15/1972	23:00	0.14
Bonita	11/15/1972	24:00	0.04
Bonita	11/16/1972	9:00	0.01
Bonita	11/16/1972	16:00	0.03
Bonita	11/16/1972	19:00	0.03
Bonita	11/16/1972	20:00	0.01
Bonita	11/29/1972	13:00	0.02
Bonita	11/29/1972	16:00	0.02
Bonita	12/4/1972	13:00	0.06
Bonita	12/4/1972	14:00	0.09
Bonita	12/4/1972	15:00	0.08
Bonita	12/4/1972	16:00	0.2
Bonita	12/4/1972	17:00	0.26
Bonita	12/4/1972	18:00	0.09
Bonita	12/4/1972	19:00	0.15
Bonita	12/4/1972	20:00	0.05
Bonita	12/4/1972	21:00	0.01
Bonita	12/7/1972	5:00	0.04
Bonita	12/7/1972	6:00	0.02
Bonita	12/7/1972	7:00	0.03
Bonita	12/7/1972	9:00	0.07
Bonita	12/7/1972	11:00	0.02
Bonita	12/7/1972	16:00	0.01
Bonita	12/8/1972	6:00	0.02
Bonita	12/8/1972	8:00	0.01
Bonita	12/8/1972	9:00	0.02
Bonita	12/8/1972	10:00	0.01
Bonita	12/8/1972	11:00	0.02
Bonita	12/8/1972	12:00	0.01
Bonita	12/8/1972	13:00	0.02
Bonita	12/8/1972	14:00	0.06
Bonita	12/8/1972	15:00	0.06
Bonita	12/8/1972	16:00	0.01
Bonita	12/8/1972	19:00	0.03
Bonita	12/8/1972	20:00	0.03
Bonita	12/8/1972	21:00	0.01

Bonita	12/8/1972	22:00	0.02
Bonita	12/9/1972	8:00	0.02
Bonita	12/9/1972	14:00	0.01
Bonita	12/10/1972	15:00	0.02
Bonita	1/3/1973	18:00	0.02
Bonita	1/4/1973	2:00	0.01
Bonita	1/4/1973	3:00	0.03
Bonita	1/4/1973	5:00	0.01
Bonita	1/4/1973	6:00	0.09
Bonita	1/4/1973	7:00	0.01
Bonita	1/4/1973	14:00	0.05
Bonita	1/4/1973	15:00	0.01
Bonita	1/4/1973	16:00	0.01
Bonita	1/4/1973	18:00	0.05
Bonita	1/4/1973	20:00	0.01
Bonita	1/4/1973	24:00	0.01
Bonita	1/9/1973	9:00	0.01
Bonita	1/9/1973	10:00	0.02
Bonita	1/9/1973	13:00	0.01
Bonita	1/9/1973	18:00	0.01
Bonita	1/9/1973	20:00	0.05
Bonita	1/9/1973	21:00	0.11
Bonita	1/9/1973	23:00	0.01
Bonita	1/9/1973	24:00	0.01
Bonita	1/16/1973	18:00	0.01
Bonita	1/16/1973	19:00	0.02
Bonita	1/16/1973	20:00	0.06
Bonita	1/16/1973	21:00	0.25
Bonita	1/16/1973	22:00	0.13
Bonita	1/16/1973	23:00	0.01
Bonita	1/16/1973	24:00	0.01
Bonita	1/18/1973	17:00	0.01
Bonita	1/18/1973	22:00	0.11
Bonita	1/18/1973	23:00	0.2
Bonita	1/18/1973	24:00	0.09
Bonita	1/19/1973	1:00	0.16
Bonita	1/19/1973	2:00	0.03
Bonita	1/19/1973	8:00	0.01
Bonita	1/30/1973	12:00	0.01
Bonita	1/30/1973	13:00	0.06
Bonita	1/30/1973	14:00	0.06
Bonita	1/30/1973	15:00	0.06
Bonita	1/30/1973	16:00	0.01
Bonita	1/30/1973	17:00	0.01
Bonita	2/3/1973	21:00	0.01
Bonita	2/3/1973	22:00	0.02
Bonita	2/5/1973	24:00	0.08
Bonita	2/6/1973	1:00	0.08
Bonita	2/6/1973	2:00	0.06
Bonita	2/6/1973	3:00	0.05

Bonita	2/6/1973	4:00	0.01
Bonita	2/6/1973	10:00	0.01
Bonita	2/6/1973	11:00	0.01
Bonita	2/15/1973	9:00	0.14
Bonita	2/15/1973	10:00	0.25
Bonita	2/15/1973	11:00	0.02
Bonita	2/15/1973	15:00	0.01
Bonita	2/20/1973	24:00	0.02
Bonita	2/21/1973	1:00	0.01
Bonita	2/21/1973	2:00	0.01
Bonita	2/27/1973	20:00	0.01
Bonita	2/28/1973	1:00	0.11
Bonita	2/28/1973	2:00	0.09
Bonita	2/28/1973	3:00	0.06
Bonita	2/28/1973	8:00	0.09
Bonita	2/28/1973	18:00	0.01
Bonita	2/28/1973	20:00	0.01
Bonita	3/4/1973	2:00	0.04
Bonita	3/4/1973	3:00	0.02
Bonita	3/4/1973	4:00	0.03
Bonita	3/5/1973	7:00	0.01
Bonita	3/6/1973	10:00	0.02
Bonita	3/6/1973	20:00	0.03
Bonita	3/6/1973	22:00	0.01
Bonita	3/6/1973	23:00	0.11
Bonita	3/7/1973	1:00	0.03
Bonita	3/7/1973	4:00	0.03
Bonita	3/7/1973	5:00	0.02
Bonita	3/7/1973	6:00	0.02
Bonita	3/8/1973	4:00	0.04
Bonita	3/8/1973	5:00	0.03
Bonita	3/8/1973	12:00	0.05
Bonita	3/8/1973	13:00	0.09
Bonita	3/8/1973	14:00	0.1
Bonita	3/8/1973	15:00	0.01
Bonita	3/8/1973	17:00	0.01
Bonita	3/8/1973	22:00	0.01
Bonita	3/11/1973	1:00	0.01
Bonita	3/11/1973	2:00	0.01
Bonita	3/11/1973	3:00	0.02
Bonita	3/11/1973	11:00	0.05
Bonita	3/11/1973	12:00	0.16
Bonita	3/11/1973	13:00	0.1
Bonita	3/11/1973	14:00	0.01
Bonita	3/11/1973	15:00	0.01
Bonita	3/11/1973	16:00	0.11
Bonita	3/11/1973	17:00	0.01
Bonita	3/11/1973	20:00	0.03
Bonita	3/11/1973	21:00	0.05
Bonita	3/11/1973	22:00	0.04

Bonita	3/11/1973	23:00	0.12
Bonita	3/11/1973	24:00	0.04
Bonita	3/12/1973	1:00	0.09
Bonita	3/12/1973	2:00	0.01
Bonita	3/12/1973	3:00	0.01
Bonita	3/12/1973	5:00	0.03
Bonita	3/13/1973	9:00	0.02
Bonita	3/13/1973	11:00	0.05
Bonita	3/13/1973	12:00	0.05
Bonita	3/13/1973	17:00	0.01
Bonita	3/13/1973	18:00	0.01
Bonita	3/13/1973	22:00	0.01
Bonita	3/13/1973	24:00	0.01
Bonita	3/14/1973	1:00	0.01
Bonita	3/20/1973	8:00	0.31
Bonita	3/20/1973	9:00	0.5
Bonita	3/20/1973	10:00	0.08
Bonita	3/20/1973	11:00	0.01
Bonita	3/20/1973	12:00	0.03
Bonita	3/20/1973	13:00	0.01
Bonita	3/21/1973	5:00	0.01
Bonita	3/21/1973	11:00	0.01
Bonita	3/22/1973	1:00	0.03
Bonita	3/22/1973	2:00	0.04
Bonita	3/22/1973	4:00	0.03
Bonita	3/26/1973	4:00	0.06
Bonita	3/26/1973	6:00	0.04
Bonita	3/26/1973	8:00	0.01
Bonita	3/26/1973	10:00	0.02
Bonita	3/26/1973	24:00	0.01
Bonita	3/27/1973	1:00	0.01
Bonita	3/27/1973	2:00	0.01
Bonita	3/27/1973	4:00	0.01
Bonita	3/27/1973	5:00	0.01
Bonita	3/27/1973	6:00	0.01
Bonita	3/27/1973	10:00	0.01
Bonita	3/27/1973	18:00	0.02
Bonita	3/27/1973	19:00	0.01
Bonita	4/20/1973	14:00	0.01
Bonita	4/20/1973	15:00	0.07
Bonita	4/29/1973	10:00	0.01
Bonita	4/29/1973	11:00	0.01
Bonita	4/29/1973	22:00	0.01
Bonita	4/29/1973	24:00	0.01
Bonita	4/30/1973	2:00	0.01
Bonita	4/30/1973	4:00	0.02
Bonita	4/30/1973	6:00	0.03
Bonita	4/30/1973	7:00	0.03
Bonita	11/17/1973	13:00	0.01
Bonita	11/17/1973	14:00	0.01

Bonita	11/17/1973 15:00	0.01
Bonita	11/17/1973 16:00	0.04
Bonita	11/17/1973 17:00	0.01
Bonita	11/18/1973 1:00	0.01
Bonita	11/18/1973 2:00	0.01
Bonita	11/18/1973 3:00	0.01
Bonita	11/18/1973 4:00	0.01
Bonita	11/18/1973 5:00	0.01
Bonita	11/18/1973 6:00	0.01
Bonita	11/18/1973 7:00	0.01
Bonita	11/18/1973 8:00	0.01
Bonita	11/18/1973 9:00	0.01
Bonita	11/18/1973 10:00	0.01
Bonita	11/18/1973 11:00	0.02
Bonita	11/18/1973 12:00	0.02
Bonita	11/18/1973 13:00	0.03
Bonita	11/18/1973 14:00	0.04
Bonita	11/18/1973 15:00	0.05
Bonita	11/18/1973 16:00	0.19
Bonita	11/18/1973 17:00	0.03
Bonita	11/18/1973 18:00	0.02
Bonita	11/18/1973 19:00	0.01
Bonita	11/18/1973 20:00	0.01
Bonita	11/18/1973 21:00	0.01
Bonita	11/18/1973 22:00	0.01
Bonita	11/18/1973 23:00	0.01
Bonita	11/18/1973 24:00	0.01
Bonita	11/21/1973 16:00	0.01
Bonita	11/22/1973 1:00	0.01
Bonita	11/22/1973 2:00	0.01
Bonita	11/22/1973 3:00	0.01
Bonita	11/22/1973 4:00	0.01
Bonita	11/22/1973 5:00	0.01
Bonita	11/22/1973 6:00	0.01
Bonita	11/22/1973 7:00	0.01
Bonita	11/22/1973 8:00	0.01
Bonita	11/22/1973 9:00	0.01
Bonita	11/22/1973 10:00	0.01
Bonita	11/22/1973 11:00	0.01
Bonita	11/22/1973 12:00	0.02
Bonita	11/22/1973 13:00	0.02
Bonita	11/22/1973 14:00	0.03
Bonita	11/22/1973 15:00	0.05
Bonita	11/22/1973 16:00	0.16
Bonita	11/22/1973 17:00	0.03
Bonita	11/22/1973 18:00	0.02
Bonita	11/22/1973 19:00	0.01
Bonita	11/22/1973 20:00	0.01
Bonita	11/22/1973 21:00	0.01
Bonita	11/22/1973 22:00	0.01

Bonita	11/22/1973	23:00	0.01
Bonita	11/22/1973	24:00	0.01
Bonita	11/23/1973	12:00	0.01
Bonita	11/23/1973	13:00	0.01
Bonita	11/23/1973	14:00	0.01
Bonita	11/23/1973	15:00	0.01
Bonita	11/23/1973	16:00	0.05
Bonita	11/23/1973	17:00	0.01
Bonita	11/24/1973	16:00	0.02
Bonita	11/26/1973	12:00	0.01
Bonita	11/26/1973	13:00	0.01
Bonita	11/26/1973	14:00	0.01
Bonita	11/26/1973	15:00	0.01
Bonita	11/26/1973	16:00	0.04
Bonita	11/26/1973	17:00	0.01
Bonita	12/1/1973	16:00	0.01
Bonita	12/22/1973	16:00	0.02
Bonita	12/28/1973	16:00	0.01
Bonita	1/1/1974	14:00	0.01
Bonita	1/1/1974	15:00	0.01
Bonita	1/1/1974	16:00	0.03
Bonita	1/1/1974	17:00	0.01
Bonita	1/3/1974	15:00	0.01
Bonita	1/3/1974	16:00	0.02
Bonita	1/4/1974	1:00	0.01
Bonita	1/4/1974	2:00	0.01
Bonita	1/4/1974	3:00	0.01
Bonita	1/4/1974	4:00	0.01
Bonita	1/4/1974	5:00	0.01
Bonita	1/4/1974	6:00	0.02
Bonita	1/4/1974	7:00	0.02
Bonita	1/4/1974	8:00	0.02
Bonita	1/4/1974	9:00	0.02
Bonita	1/4/1974	10:00	0.02
Bonita	1/4/1974	11:00	0.02
Bonita	1/4/1974	12:00	0.03
Bonita	1/4/1974	13:00	0.04
Bonita	1/4/1974	14:00	0.05
Bonita	1/4/1974	15:00	0.08
Bonita	1/4/1974	16:00	0.27
Bonita	1/4/1974	17:00	0.04
Bonita	1/4/1974	18:00	0.03
Bonita	1/4/1974	19:00	0.02
Bonita	1/4/1974	20:00	0.02
Bonita	1/4/1974	21:00	0.01
Bonita	1/4/1974	22:00	0.01
Bonita	1/4/1974	23:00	0.01
Bonita	1/4/1974	24:00	0.01
Bonita	1/5/1974	7:00	0.01
Bonita	1/5/1974	8:00	0.01

Bonita	1/5/1974	9:00	0.01
Bonita	1/5/1974	10:00	0.01
Bonita	1/5/1974	11:00	0.01
Bonita	1/5/1974	12:00	0.01
Bonita	1/5/1974	13:00	0.01
Bonita	1/5/1974	14:00	0.02
Bonita	1/5/1974	15:00	0.02
Bonita	1/5/1974	16:00	0.08
Bonita	1/5/1974	17:00	0.01
Bonita	1/5/1974	18:00	0.01
Bonita	1/5/1974	19:00	0.01
Bonita	1/5/1974	20:00	0.01
Bonita	1/6/1974	12:00	0.01
Bonita	1/6/1974	13:00	0.01
Bonita	1/6/1974	14:00	0.01
Bonita	1/6/1974	15:00	0.01
Bonita	1/6/1974	16:00	0.04
Bonita	1/6/1974	17:00	0.01
Bonita	1/7/1974	1:00	0.01
Bonita	1/7/1974	2:00	0.01
Bonita	1/7/1974	3:00	0.01
Bonita	1/7/1974	4:00	0.01
Bonita	1/7/1974	5:00	0.01
Bonita	1/7/1974	6:00	0.01
Bonita	1/7/1974	7:00	0.01
Bonita	1/7/1974	8:00	0.02
Bonita	1/7/1974	9:00	0.02
Bonita	1/7/1974	10:00	0.02
Bonita	1/7/1974	11:00	0.02
Bonita	1/7/1974	12:00	0.03
Bonita	1/7/1974	13:00	0.03
Bonita	1/7/1974	14:00	0.05
Bonita	1/7/1974	15:00	0.07
Bonita	1/7/1974	16:00	0.24
Bonita	1/7/1974	17:00	0.04
Bonita	1/7/1974	18:00	0.02
Bonita	1/7/1974	19:00	0.02
Bonita	1/7/1974	20:00	0.02
Bonita	1/7/1974	21:00	0.01
Bonita	1/7/1974	22:00	0.01
Bonita	1/7/1974	23:00	0.01
Bonita	1/7/1974	24:00	0.01
Bonita	1/8/1974	1:00	0.01
Bonita	1/8/1974	2:00	0.01
Bonita	1/8/1974	3:00	0.01
Bonita	1/8/1974	4:00	0.01
Bonita	1/8/1974	5:00	0.01
Bonita	1/8/1974	6:00	0.01
Bonita	1/8/1974	7:00	0.01
Bonita	1/8/1974	8:00	0.01

Bonita	1/8/1974	9:00	0.02
Bonita	1/8/1974	10:00	0.02
Bonita	1/8/1974	11:00	0.02
Bonita	1/8/1974	12:00	0.03
Bonita	1/8/1974	13:00	0.03
Bonita	1/8/1974	14:00	0.04
Bonita	1/8/1974	15:00	0.06
Bonita	1/8/1974	16:00	0.23
Bonita	1/8/1974	17:00	0.04
Bonita	1/8/1974	18:00	0.02
Bonita	1/8/1974	19:00	0.02
Bonita	1/8/1974	20:00	0.01
Bonita	1/8/1974	21:00	0.01
Bonita	1/8/1974	22:00	0.01
Bonita	1/8/1974	23:00	0.01
Bonita	1/8/1974	24:00	0.01
Bonita	1/20/1974	16:00	0.01
Bonita	2/19/1974	16:00	0.01
Bonita	3/2/1974	13:00	0.01
Bonita	3/2/1974	14:00	0.01
Bonita	3/2/1974	15:00	0.01
Bonita	3/2/1974	16:00	0.04
Bonita	3/2/1974	17:00	0.01
Bonita	3/3/1974	10:00	0.01
Bonita	3/3/1974	11:00	0.01
Bonita	3/3/1974	12:00	0.01
Bonita	3/3/1974	13:00	0.01
Bonita	3/3/1974	14:00	0.01
Bonita	3/3/1974	15:00	0.02
Bonita	3/3/1974	16:00	0.06
Bonita	3/3/1974	17:00	0.01
Bonita	3/3/1974	18:00	0.01
Bonita	3/6/1974	4:00	0.01
Bonita	3/6/1974	5:00	0.01
Bonita	3/6/1974	6:00	0.01
Bonita	3/6/1974	7:00	0.01
Bonita	3/6/1974	8:00	0.01
Bonita	3/6/1974	9:00	0.01
Bonita	3/6/1974	10:00	0.01
Bonita	3/6/1974	11:00	0.01
Bonita	3/6/1974	12:00	0.01
Bonita	3/6/1974	13:00	0.01
Bonita	3/6/1974	14:00	0.02
Bonita	3/6/1974	15:00	0.03
Bonita	3/6/1974	16:00	0.1
Bonita	3/6/1974	17:00	0.02
Bonita	3/6/1974	18:00	0.01
Bonita	3/6/1974	19:00	0.01
Bonita	3/6/1974	20:00	0.01
Bonita	3/6/1974	21:00	0.01

Bonita	3/7/1974	1:00	0.01
Bonita	3/7/1974	2:00	0.01
Bonita	3/7/1974	3:00	0.01
Bonita	3/7/1974	4:00	0.01
Bonita	3/7/1974	5:00	0.01
Bonita	3/7/1974	6:00	0.02
Bonita	3/7/1974	7:00	0.02
Bonita	3/7/1974	8:00	0.02
Bonita	3/7/1974	9:00	0.02
Bonita	3/7/1974	10:00	0.02
Bonita	3/7/1974	11:00	0.03
Bonita	3/7/1974	12:00	0.03
Bonita	3/7/1974	13:00	0.04
Bonita	3/7/1974	14:00	0.06
Bonita	3/7/1974	15:00	0.08
Bonita	3/7/1974	16:00	0.29
Bonita	3/7/1974	17:00	0.05
Bonita	3/7/1974	18:00	0.03
Bonita	3/7/1974	19:00	0.02
Bonita	3/7/1974	20:00	0.02
Bonita	3/7/1974	21:00	0.02
Bonita	3/7/1974	22:00	0.01
Bonita	3/7/1974	23:00	0.01
Bonita	3/7/1974	24:00	0.01
Bonita	3/8/1974	16:00	0.01
Bonita	3/27/1974	1:00	0.01
Bonita	3/27/1974	2:00	0.01
Bonita	3/27/1974	3:00	0.01
Bonita	3/27/1974	4:00	0.01
Bonita	3/27/1974	5:00	0.01
Bonita	3/27/1974	6:00	0.01
Bonita	3/27/1974	7:00	0.01
Bonita	3/27/1974	8:00	0.01
Bonita	3/27/1974	9:00	0.01
Bonita	3/27/1974	10:00	0.01
Bonita	3/27/1974	11:00	0.01
Bonita	3/27/1974	12:00	0.01
Bonita	3/27/1974	13:00	0.02
Bonita	3/27/1974	14:00	0.02
Bonita	3/27/1974	15:00	0.03
Bonita	3/27/1974	16:00	0.12
Bonita	3/27/1974	17:00	0.02
Bonita	3/27/1974	18:00	0.01
Bonita	3/27/1974	19:00	0.01
Bonita	3/27/1974	20:00	0.01
Bonita	3/27/1974	21:00	0.01
Bonita	3/27/1974	22:00	0.01
Bonita	3/27/1974	23:00	0.01
Bonita	3/27/1974	24:00	0.01
Bonita	3/30/1974	16:00	0.01

Bonita	4/1/1974	16:00	0.01
Bonita	4/2/1974	15:00	0.01
Bonita	4/2/1974	16:00	0.02
Bonita	5/13/1974	16:00	0.01
Bonita	10/26/1974	16:00	0.01
Bonita	10/27/1974	16:00	0.01
Bonita	10/28/1974	1:00	0.01
Bonita	10/28/1974	2:00	0.01
Bonita	10/28/1974	3:00	0.01
Bonita	10/28/1974	4:00	0.01
Bonita	10/28/1974	5:00	0.01
Bonita	10/28/1974	6:00	0.01
Bonita	10/28/1974	7:00	0.01
Bonita	10/28/1974	8:00	0.01
Bonita	10/28/1974	9:00	0.01
Bonita	10/28/1974	10:00	0.01
Bonita	10/28/1974	11:00	0.01
Bonita	10/28/1974	12:00	0.01
Bonita	10/28/1974	13:00	0.02
Bonita	10/28/1974	14:00	0.02
Bonita	10/28/1974	15:00	0.03
Bonita	10/28/1974	16:00	0.13
Bonita	10/28/1974	17:00	0.02
Bonita	10/28/1974	18:00	0.01
Bonita	10/28/1974	19:00	0.01
Bonita	10/28/1974	20:00	0.01
Bonita	10/28/1974	21:00	0.01
Bonita	10/28/1974	22:00	0.01
Bonita	10/28/1974	23:00	0.01
Bonita	10/28/1974	24:00	0.01
Bonita	10/29/1974	1:00	0.01
Bonita	10/29/1974	2:00	0.01
Bonita	10/29/1974	3:00	0.01
Bonita	10/29/1974	4:00	0.01
Bonita	10/29/1974	5:00	0.01
Bonita	10/29/1974	6:00	0.01
Bonita	10/29/1974	7:00	0.01
Bonita	10/29/1974	8:00	0.01
Bonita	10/29/1974	9:00	0.01
Bonita	10/29/1974	10:00	0.01
Bonita	10/29/1974	11:00	0.02
Bonita	10/29/1974	12:00	0.02
Bonita	10/29/1974	13:00	0.02
Bonita	10/29/1974	14:00	0.04
Bonita	10/29/1974	15:00	0.05
Bonita	10/29/1974	16:00	0.18
Bonita	10/29/1974	17:00	0.03
Bonita	10/29/1974	18:00	0.02
Bonita	10/29/1974	19:00	0.01
Bonita	10/29/1974	20:00	0.01

Bonita	10/29/1974	21:00	0.01
Bonita	10/29/1974	22:00	0.01
Bonita	10/29/1974	23:00	0.01
Bonita	10/29/1974	24:00	0.01
Bonita	10/30/1974	13:00	0.01
Bonita	10/30/1974	14:00	0.01
Bonita	10/30/1974	15:00	0.01
Bonita	10/30/1974	16:00	0.04
Bonita	10/30/1974	17:00	0.01
Bonita	11/1/1974	15:00	0.01
Bonita	11/1/1974	16:00	0.02
Bonita	11/2/1974	16:00	0.01
Bonita	11/22/1974	16:00	0.01
Bonita	12/3/1974	16:00	0.01
Bonita	12/4/1974	1:00	0.01
Bonita	12/4/1974	2:00	0.01
Bonita	12/4/1974	3:00	0.01
Bonita	12/4/1974	4:00	0.01
Bonita	12/4/1974	5:00	0.01
Bonita	12/4/1974	6:00	0.01
Bonita	12/4/1974	7:00	0.01
Bonita	12/4/1974	8:00	0.01
Bonita	12/4/1974	9:00	0.02
Bonita	12/4/1974	10:00	0.02
Bonita	12/4/1974	11:00	0.02
Bonita	12/4/1974	12:00	0.03
Bonita	12/4/1974	13:00	0.03
Bonita	12/4/1974	14:00	0.04
Bonita	12/4/1974	15:00	0.06
Bonita	12/4/1974	16:00	0.23
Bonita	12/4/1974	17:00	0.04
Bonita	12/4/1974	18:00	0.02
Bonita	12/4/1974	19:00	0.02
Bonita	12/4/1974	20:00	0.01
Bonita	12/4/1974	21:00	0.01
Bonita	12/4/1974	22:00	0.01
Bonita	12/4/1974	23:00	0.01
Bonita	12/4/1974	24:00	0.01
Bonita	12/28/1974	4:00	0.01
Bonita	12/28/1974	5:00	0.01
Bonita	12/28/1974	6:00	0.01
Bonita	12/28/1974	7:00	0.01
Bonita	12/28/1974	8:00	0.01
Bonita	12/28/1974	9:00	0.01
Bonita	12/28/1974	10:00	0.01
Bonita	12/28/1974	11:00	0.01
Bonita	12/28/1974	12:00	0.01
Bonita	12/28/1974	13:00	0.01
Bonita	12/28/1974	14:00	0.02
Bonita	12/28/1974	15:00	0.03

Bonita	12/28/1974	16:00	0.1
Bonita	12/28/1974	17:00	0.02
Bonita	12/28/1974	18:00	0.01
Bonita	12/28/1974	19:00	0.01
Bonita	12/28/1974	20:00	0.01
Bonita	12/28/1974	21:00	0.01
Bonita	12/29/1974	6:00	0.01
Bonita	12/29/1974	7:00	0.01
Bonita	12/29/1974	8:00	0.01
Bonita	12/29/1974	9:00	0.01
Bonita	12/29/1974	10:00	0.01
Bonita	12/29/1974	11:00	0.01
Bonita	12/29/1974	12:00	0.01
Bonita	12/29/1974	13:00	0.01
Bonita	12/29/1974	14:00	0.02
Bonita	12/29/1974	15:00	0.03
Bonita	12/29/1974	16:00	0.09
Bonita	12/29/1974	17:00	0.01
Bonita	12/29/1974	18:00	0.01
Bonita	12/29/1974	19:00	0.01
Bonita	12/29/1974	20:00	0.01
Bonita	1/7/1975	5:00	0.01
Bonita	1/7/1975	6:00	0.01
Bonita	1/7/1975	8:00	0.01
Bonita	1/7/1975	12:00	0.01
Bonita	1/9/1975	3:00	0.01
Bonita	1/9/1975	6:00	0.02
Bonita	1/9/1975	8:00	0.01
Bonita	1/30/1975	14:00	0.01
Bonita	1/30/1975	15:00	0.04
Bonita	1/30/1975	16:00	0.01
Bonita	1/30/1975	17:00	0.01
Bonita	1/30/1975	22:00	0.02
Bonita	1/30/1975	23:00	0.02
Bonita	1/30/1975	24:00	0.01
Bonita	1/31/1975	2:00	0.01
Bonita	1/31/1975	4:00	0.01
Bonita	2/3/1975	11:00	0.01
Bonita	2/3/1975	12:00	0.01
Bonita	2/3/1975	17:00	0.02
Bonita	2/3/1975	18:00	0.01
Bonita	2/3/1975	19:00	0.01
Bonita	2/3/1975	21:00	0.01
Bonita	2/3/1975	22:00	0.01
Bonita	2/3/1975	23:00	0.01
Bonita	2/4/1975	7:00	0.04
Bonita	2/4/1975	8:00	0.03
Bonita	2/4/1975	9:00	0.04
Bonita	2/4/1975	10:00	0.04
Bonita	2/4/1975	11:00	0.05

Bonita	2/4/1975	12:00	0.02
Bonita	2/4/1975	17:00	0.01
Bonita	2/4/1975	18:00	0.01
Bonita	2/5/1975	2:00	0.02
Bonita	2/5/1975	4:00	0.01
Bonita	2/9/1975	6:00	0.05
Bonita	2/9/1975	7:00	0.02
Bonita	2/9/1975	8:00	0.01
Bonita	2/9/1975	19:00	0.01
Bonita	2/9/1975	20:00	0.04
Bonita	2/9/1975	21:00	0.01
Bonita	2/9/1975	24:00	0.01
Bonita	2/10/1975	1:00	0.01
Bonita	2/10/1975	2:00	0.01
Bonita	2/10/1975	3:00	0.01
Bonita	2/10/1975	4:00	0.01
Bonita	3/4/1975	13:00	0.02
Bonita	3/4/1975	19:00	0.02
Bonita	3/4/1975	20:00	0.01
Bonita	3/4/1975	23:00	0.01
Bonita	3/5/1975	3:00	0.01
Bonita	3/5/1975	14:00	0.01
Bonita	3/5/1975	15:00	0.06
Bonita	3/5/1975	16:00	0.02
Bonita	3/5/1975	18:00	0.02
Bonita	3/6/1975	7:00	0.01
Bonita	3/6/1975	8:00	0.16
Bonita	3/6/1975	9:00	0.21
Bonita	3/6/1975	10:00	0.11
Bonita	3/6/1975	11:00	0.23
Bonita	3/6/1975	12:00	0.01
Bonita	3/6/1975	13:00	0.26
Bonita	3/6/1975	15:00	0.02
Bonita	3/6/1975	18:00	0.01
Bonita	3/6/1975	20:00	0.01
Bonita	3/6/1975	22:00	0.01
Bonita	3/7/1975	2:00	0.01
Bonita	3/7/1975	18:00	0.01
Bonita	3/7/1975	20:00	0.01
Bonita	3/7/1975	21:00	0.01
Bonita	3/8/1975	10:00	0.05
Bonita	3/8/1975	11:00	0.11
Bonita	3/8/1975	12:00	0.13
Bonita	3/8/1975	13:00	0.03
Bonita	3/8/1975	16:00	0.01
Bonita	3/8/1975	19:00	0.04
Bonita	3/8/1975	20:00	0.01
Bonita	3/9/1975	1:00	0.03
Bonita	3/9/1975	4:00	0.01
Bonita	3/9/1975	13:00	0.01

Bonita	3/9/1975	19:00	0.01
Bonita	3/9/1975	23:00	0.01
Bonita	3/10/1975	7:00	0.01
Bonita	3/10/1975	11:00	0.01
Bonita	3/10/1975	12:00	0.02
Bonita	3/10/1975	13:00	0.11
Bonita	3/10/1975	14:00	0.13
Bonita	3/10/1975	15:00	0.18
Bonita	3/10/1975	16:00	0.15
Bonita	3/10/1975	17:00	0.23
Bonita	3/10/1975	18:00	0.01
Bonita	3/10/1975	19:00	0.01
Bonita	3/10/1975	20:00	0.03
Bonita	3/10/1975	21:00	0.03
Bonita	3/11/1975	1:00	0.04
Bonita	3/11/1975	6:00	0.01
Bonita	3/11/1975	7:00	0.19
Bonita	3/11/1975	8:00	0.01
Bonita	3/11/1975	11:00	0.04
Bonita	3/11/1975	14:00	0.03
Bonita	3/11/1975	15:00	0.08
Bonita	3/11/1975	16:00	0.09
Bonita	3/11/1975	17:00	0.08
Bonita	3/11/1975	18:00	0.03
Bonita	3/11/1975	20:00	0.02
Bonita	3/11/1975	22:00	0.01
Bonita	3/12/1975	3:00	0.01
Bonita	3/13/1975	19:00	0.01
Bonita	3/13/1975	21:00	0.01
Bonita	3/13/1975	24:00	0.01
Bonita	3/14/1975	2:00	0.03
Bonita	3/14/1975	3:00	0.07
Bonita	3/14/1975	4:00	0.02
Bonita	3/14/1975	5:00	0.01
Bonita	3/14/1975	6:00	0.01
Bonita	3/14/1975	8:00	0.01
Bonita	3/14/1975	11:00	0.01
Bonita	3/14/1975	13:00	0.01
Bonita	3/14/1975	20:00	0.03
Bonita	3/15/1975	2:00	0.01
Bonita	3/22/1975	8:00	0.02
Bonita	3/22/1975	9:00	0.04
Bonita	3/22/1975	10:00	0.03
Bonita	3/22/1975	11:00	0.05
Bonita	3/22/1975	12:00	0.04
Bonita	3/22/1975	18:00	0.01
Bonita	3/22/1975	19:00	0.01
Bonita	3/22/1975	21:00	0.01
Bonita	3/23/1975	4:00	0.01
Bonita	3/25/1975	17:00	0.03

Bonita	3/25/1975	18:00	0.01
Bonita	3/25/1975	21:00	0.01
Bonita	3/26/1975	6:00	0.01
Bonita	3/31/1975	15:00	0.01
Bonita	3/31/1975	22:00	0.01
Bonita	4/1/1975	5:00	0.01
Bonita	4/5/1975	17:00	0.01
Bonita	4/5/1975	18:00	0.01
Bonita	4/5/1975	19:00	0.02
Bonita	4/5/1975	22:00	0.09
Bonita	4/5/1975	23:00	0.01
Bonita	4/5/1975	24:00	0.02
Bonita	4/6/1975	1:00	0.01
Bonita	4/6/1975	2:00	0.04
Bonita	4/6/1975	4:00	0.02
Bonita	4/6/1975	7:00	0.02
Bonita	4/6/1975	11:00	0.01
Bonita	4/6/1975	16:00	0.05
Bonita	4/6/1975	17:00	0.02
Bonita	4/6/1975	18:00	0.01
Bonita	4/6/1975	19:00	0.02
Bonita	4/6/1975	20:00	0.02
Bonita	4/6/1975	21:00	0.08
Bonita	4/6/1975	22:00	0.01
Bonita	4/6/1975	23:00	0.06
Bonita	4/6/1975	24:00	0.01
Bonita	4/7/1975	1:00	0.1
Bonita	4/7/1975	2:00	0.03
Bonita	4/7/1975	5:00	0.01
Bonita	4/7/1975	18:00	0.01
Bonita	4/7/1975	19:00	0.01
Bonita	4/7/1975	20:00	0.01
Bonita	4/7/1975	21:00	0.03
Bonita	4/7/1975	22:00	0.01
Bonita	4/7/1975	23:00	0.02
Bonita	4/8/1975	1:00	0.02
Bonita	4/8/1975	8:00	0.01
Bonita	4/8/1975	10:00	0.14
Bonita	4/8/1975	11:00	0.03
Bonita	4/8/1975	13:00	0.02
Bonita	4/8/1975	17:00	0.01
Bonita	4/8/1975	19:00	0.01
Bonita	4/8/1975	21:00	0.02
Bonita	4/8/1975	23:00	0.04
Bonita	4/8/1975	24:00	0.05
Bonita	4/9/1975	1:00	0.04
Bonita	4/9/1975	2:00	0.01
Bonita	4/9/1975	3:00	0.02
Bonita	4/9/1975	5:00	0.01
Bonita	4/9/1975	6:00	0.05

Bonita	4/9/1975	7:00	0.02
Bonita	4/9/1975	9:00	0.09
Bonita	4/9/1975	10:00	0.13
Bonita	4/9/1975	17:00	0.01
Bonita	4/9/1975	18:00	0.02
Bonita	4/9/1975	19:00	0.01
Bonita	4/9/1975	22:00	0.01
Bonita	4/9/1975	24:00	0.01
Bonita	4/10/1975	1:00	0.01
Bonita	4/14/1975	19:00	0.03
Bonita	4/14/1975	20:00	0.01
Bonita	4/14/1975	21:00	0.01
Bonita	4/15/1975	16:00	0.02
Bonita	4/15/1975	18:00	0.01
Bonita	4/15/1975	23:00	0.01
Bonita	4/15/1975	24:00	0.01
Bonita	4/16/1975	1:00	0.01
Bonita	4/16/1975	2:00	0.02
Bonita	4/16/1975	5:00	0.01
Bonita	4/16/1975	11:00	0.03
Bonita	4/16/1975	14:00	0.04
Bonita	4/16/1975	15:00	0.02
Bonita	4/16/1975	18:00	0.01
Bonita	4/17/1975	2:00	0.02
Bonita	4/17/1975	3:00	0.01
Bonita	4/17/1975	4:00	0.01
Bonita	4/25/1975	7:00	0.05
Bonita	5/19/1975	19:00	0.01
Bonita	5/19/1975	23:00	0.01
Bonita	5/20/1975	4:00	0.01
Bonita	5/20/1975	6:00	0.02
Bonita	5/20/1975	7:00	0.01
Bonita	6/18/1975	24:00	0.2
Bonita	9/7/1975	6:00	0.01
Bonita	9/7/1975	8:00	0.01
Bonita	10/6/1975	17:00	0.04
Bonita	10/6/1975	18:00	0.02
Bonita	10/6/1975	19:00	0.01
Bonita	10/6/1975	20:00	0.01
Bonita	10/7/1975	1:00	0.02
Bonita	10/30/1975	15:00	0.01
Bonita	10/30/1975	16:00	0.02
Bonita	11/27/1975	9:00	0.01
Bonita	11/27/1975	16:00	0.02
Bonita	11/27/1975	17:00	0.05
Bonita	11/27/1975	18:00	0.1
Bonita	11/27/1975	19:00	0.02
Bonita	11/27/1975	22:00	0.01
Bonita	11/28/1975	1:00	0.05
Bonita	11/28/1975	4:00	0.01

Bonita	11/28/1975	6:00	0.01
Bonita	11/28/1975	7:00	0.01
Bonita	11/28/1975	9:00	0.01
Bonita	11/28/1975	13:00	0.05
Bonita	11/28/1975	14:00	0.02
Bonita	11/28/1975	15:00	0.02
Bonita	11/28/1975	16:00	0.01
Bonita	11/28/1975	19:00	0.02
Bonita	11/28/1975	21:00	0.03
Bonita	11/28/1975	23:00	0.01
Bonita	11/28/1975	24:00	0.01
Bonita	11/29/1975	4:00	0.01
Bonita	11/29/1975	5:00	0.01
Bonita	11/29/1975	6:00	0.01
Bonita	11/29/1975	7:00	0.01
Bonita	11/29/1975	13:00	0.01
Bonita	11/29/1975	16:00	0.01
Bonita	11/29/1975	17:00	0.01
Bonita	11/29/1975	18:00	0.01
Bonita	12/12/1975	15:00	0.02
Bonita	12/12/1975	16:00	0.05
Bonita	12/12/1975	17:00	0.05
Bonita	12/12/1975	18:00	0.02
Bonita	12/12/1975	19:00	0.01
Bonita	12/12/1975	20:00	0.04
Bonita	12/12/1975	22:00	0.01
Bonita	12/13/1975	5:00	0.01
Bonita	12/13/1975	22:00	0.01
Bonita	12/13/1975	24:00	0.02
Bonita	12/20/1975	11:00	0.02
Bonita	12/20/1975	12:00	0.02
Bonita	2/3/1976	13:00	0.04
Bonita	2/3/1976	14:00	0.02
Bonita	2/3/1976	15:00	0.05
Bonita	2/3/1976	16:00	0.04
Bonita	2/3/1976	17:00	0.02
Bonita	2/3/1976	18:00	0.02
Bonita	2/3/1976	19:00	0.02
Bonita	2/3/1976	24:00	0.01
Bonita	2/4/1976	1:00	0.03
Bonita	2/4/1976	2:00	0.01
Bonita	2/4/1976	13:00	0.01
Bonita	2/4/1976	14:00	0.03
Bonita	2/4/1976	15:00	0.01
Bonita	2/4/1976	16:00	0.01
Bonita	2/4/1976	18:00	0.03
Bonita	2/4/1976	21:00	0.05
Bonita	2/4/1976	22:00	0.05
Bonita	2/4/1976	23:00	0.02
Bonita	2/4/1976	24:00	0.03

Bonita	2/5/1976	1:00	0.1
Bonita	2/5/1976	2:00	0.05
Bonita	2/5/1976	3:00	0.07
Bonita	2/5/1976	4:00	0.03
Bonita	2/5/1976	5:00	0.14
Bonita	2/5/1976	6:00	0.02
Bonita	2/5/1976	7:00	0.09
Bonita	2/5/1976	8:00	0.03
Bonita	2/5/1976	9:00	0.03
Bonita	2/5/1976	10:00	0.06
Bonita	2/5/1976	11:00	0.02
Bonita	2/5/1976	12:00	0.04
Bonita	2/5/1976	14:00	0.01
Bonita	2/5/1976	16:00	0.12
Bonita	2/5/1976	17:00	0.02
Bonita	2/5/1976	18:00	0.05
Bonita	2/5/1976	19:00	0.05
Bonita	2/5/1976	24:00	0.1
Bonita	2/6/1976	1:00	0.15
Bonita	2/6/1976	2:00	0.1
Bonita	2/6/1976	3:00	0.06
Bonita	2/6/1976	4:00	0.09
Bonita	2/6/1976	5:00	0.01
Bonita	2/6/1976	6:00	0.09
Bonita	2/6/1976	7:00	0.01
Bonita	2/6/1976	10:00	0.01
Bonita	2/6/1976	13:00	0.01
Bonita	2/6/1976	14:00	0.01
Bonita	2/6/1976	16:00	0.03
Bonita	2/6/1976	17:00	0.01
Bonita	2/6/1976	18:00	0.01
Bonita	2/6/1976	21:00	0.01
Bonita	2/7/1976	1:00	0.05
Bonita	2/7/1976	2:00	0.15
Bonita	2/7/1976	3:00	0.04
Bonita	2/7/1976	4:00	0.16
Bonita	2/7/1976	5:00	0.09
Bonita	2/7/1976	6:00	0.17
Bonita	2/7/1976	7:00	0.08
Bonita	2/7/1976	8:00	0.05
Bonita	2/7/1976	9:00	0.01
Bonita	2/8/1976	9:00	0.03
Bonita	2/8/1976	13:00	0.01
Bonita	2/8/1976	15:00	0.21
Bonita	2/8/1976	16:00	0.15
Bonita	2/8/1976	17:00	0.15
Bonita	2/8/1976	18:00	0.1
Bonita	2/8/1976	19:00	0.15
Bonita	2/8/1976	20:00	0.05
Bonita	2/8/1976	21:00	0.15

Bonita	2/8/1976	23:00	0.01
Bonita	2/8/1976	24:00	0.14
Bonita	2/9/1976	1:00	0.06
Bonita	2/9/1976	2:00	0.01
Bonita	2/9/1976	3:00	0.01
Bonita	2/9/1976	5:00	0.06
Bonita	2/9/1976	6:00	0.1
Bonita	2/9/1976	7:00	0.05
Bonita	2/9/1976	8:00	0.15
Bonita	2/9/1976	10:00	0.03
Bonita	2/9/1976	14:00	0.01
Bonita	2/10/1976	3:00	0.01
Bonita	2/10/1976	4:00	0.02
Bonita	2/10/1976	5:00	0.01
Bonita	2/10/1976	6:00	0.09
Bonita	2/10/1976	7:00	0.06
Bonita	2/10/1976	8:00	0.18
Bonita	2/10/1976	9:00	0.02
Bonita	2/10/1976	11:00	0.1
Bonita	2/10/1976	12:00	0.05
Bonita	2/10/1976	13:00	0.04
Bonita	2/10/1976	14:00	0.06
Bonita	2/10/1976	15:00	0.06
Bonita	3/1/1976	17:00	0.01
Bonita	3/1/1976	18:00	0.15
Bonita	3/1/1976	19:00	0.3
Bonita	3/1/1976	20:00	0.02
Bonita	3/1/1976	21:00	0.03
Bonita	3/1/1976	22:00	0.07
Bonita	3/1/1976	23:00	0.02
Bonita	3/1/1976	24:00	0.01
Bonita	3/2/1976	6:00	0.01
Bonita	3/2/1976	8:00	0.01
Bonita	3/2/1976	18:00	0.01
Bonita	3/2/1976	22:00	0.05
Bonita	3/2/1976	24:00	0.01
Bonita	3/3/1976	1:00	0.1
Bonita	3/3/1976	2:00	0.09
Bonita	3/3/1976	3:00	0.04
Bonita	3/3/1976	4:00	0.01
Bonita	3/3/1976	5:00	0.02
Bonita	3/3/1976	6:00	0.01
Bonita	3/3/1976	7:00	0.02
Bonita	3/3/1976	9:00	0.01
Bonita	3/3/1976	11:00	0.12
Bonita	3/3/1976	12:00	0.03
Bonita	3/3/1976	14:00	0.02
Bonita	3/3/1976	18:00	0.01
Bonita	3/3/1976	20:00	0.01
Bonita	3/3/1976	22:00	0.01

Bonita	3/4/1976	4:00	0.01
Bonita	4/4/1976	4:00	0.01
Bonita	4/4/1976	5:00	0.01
Bonita	4/4/1976	6:00	0.01
Bonita	4/4/1976	14:00	0.02
Bonita	4/4/1976	15:00	0.02
Bonita	4/4/1976	16:00	0.05
Bonita	4/4/1976	17:00	0.01
Bonita	4/4/1976	18:00	0.01
Bonita	4/4/1976	19:00	0.06
Bonita	4/4/1976	20:00	0.05
Bonita	4/4/1976	21:00	0.05
Bonita	4/4/1976	22:00	0.01
Bonita	4/4/1976	23:00	0.01
Bonita	4/4/1976	24:00	0.01
Bonita	4/5/1976	2:00	0.01
Bonita	4/5/1976	5:00	0.01
Bonita	4/5/1976	18:00	0.02
Bonita	4/5/1976	19:00	0.01
Bonita	4/5/1976	20:00	0.01
Bonita	4/5/1976	24:00	0.01
Bonita	4/12/1976	18:00	0.01
Bonita	4/12/1976	20:00	0.01
Bonita	4/12/1976	21:00	0.01
Bonita	4/12/1976	22:00	0.01
Bonita	4/12/1976	24:00	0.01
Bonita	4/13/1976	1:00	0.02
Bonita	4/13/1976	2:00	0.02
Bonita	4/13/1976	3:00	0.02
Bonita	4/13/1976	4:00	0.02
Bonita	4/13/1976	5:00	0.07
Bonita	4/13/1976	6:00	0.25
Bonita	4/13/1976	7:00	0.05
Bonita	4/13/1976	8:00	0.1
Bonita	4/13/1976	9:00	0.05
Bonita	4/13/1976	10:00	0.05
Bonita	4/13/1976	18:00	0.01
Bonita	4/15/1976	9:00	0.02
Bonita	4/15/1976	16:00	0.02
Bonita	4/15/1976	18:00	0.05
Bonita	4/15/1976	19:00	0.05
Bonita	4/15/1976	20:00	0.01
Bonita	4/15/1976	22:00	0.01
Bonita	5/6/1976	2:00	0.04
Bonita	5/6/1976	4:00	0.01
Bonita	8/16/1976	5:00	0.01
Bonita	9/9/1976	21:00	0.01
Bonita	9/9/1976	22:00	0.02
Bonita	9/9/1976	23:00	0.03
Bonita	9/9/1976	24:00	0.02

Bonita	9/10/1976	1:00	0.02
Bonita	9/10/1976	2:00	0.06
Bonita	9/10/1976	3:00	0.03
Bonita	9/10/1976	4:00	0.05
Bonita	9/10/1976	5:00	0.08
Bonita	9/10/1976	7:00	0.02
Bonita	9/10/1976	8:00	0.09
Bonita	9/10/1976	9:00	0.23
Bonita	9/10/1976	10:00	0.11
Bonita	9/10/1976	14:00	0.02
Bonita	9/10/1976	15:00	0.07
Bonita	9/10/1976	16:00	0.08
Bonita	9/10/1976	18:00	0.02
Bonita	9/10/1976	22:00	0.3
Bonita	9/10/1976	23:00	0.04
Bonita	9/10/1976	24:00	0.01
Bonita	9/11/1976	2:00	0.01
Bonita	9/11/1976	3:00	0.01
Bonita	9/11/1976	4:00	0.01
Bonita	9/11/1976	6:00	0.01
Bonita	9/11/1976	12:00	0.01
Bonita	10/1/1976	23:00	0.01
Bonita	10/1/1976	24:00	0.01
Bonita	10/2/1976	6:00	0.02
Bonita	10/2/1976	10:00	0.01
Bonita	10/21/1976	2:00	0.02
Bonita	10/21/1976	4:00	0.06
Bonita	10/21/1976	5:00	0.02
Bonita	10/21/1976	6:00	0.02
Bonita	10/21/1976	7:00	0.05
Bonita	10/21/1976	8:00	0.1
Bonita	10/21/1976	9:00	0.01
Bonita	10/22/1976	6:00	0.35
Bonita	10/22/1976	7:00	0.02
Bonita	10/22/1976	8:00	0.02
Bonita	10/22/1976	11:00	0.11
Bonita	10/22/1976	21:00	0.15
Bonita	10/22/1976	22:00	0.05
Bonita	10/23/1976	6:00	0.01
Bonita	10/23/1976	13:00	0.33
Bonita	11/11/1976	23:00	0.02
Bonita	11/11/1976	24:00	0.25
Bonita	11/12/1976	1:00	0.13
Bonita	11/12/1976	2:00	0.6
Bonita	11/12/1976	3:00	0.1
Bonita	11/12/1976	4:00	0.07
Bonita	11/12/1976	7:00	0.03
Bonita	11/12/1976	9:00	0.05
Bonita	11/14/1976	21:00	0.02
Bonita	1/28/1977	21:00	0.01

Bonita	1/28/1977	22:00	0.03
Bonita	1/28/1977	23:00	0.03
Bonita	1/29/1977	2:00	0.01
Bonita	1/29/1977	3:00	0.03
Bonita	1/29/1977	4:00	0.02
Bonita	2/24/1977	10:00	0.02
Bonita	2/24/1977	12:00	0.01
Bonita	2/24/1977	15:00	0.01
Bonita	2/24/1977	16:00	0.02
Bonita	2/24/1977	18:00	0.02
Bonita	3/16/1977	12:00	0.05
Bonita	3/16/1977	14:00	0.05
Bonita	3/16/1977	17:00	0.01
Bonita	3/16/1977	18:00	0.02
Bonita	3/16/1977	19:00	0.02
Bonita	3/16/1977	20:00	0.06
Bonita	3/16/1977	22:00	0.03
Bonita	3/17/1977	1:00	0.04
Bonita	3/17/1977	2:00	0.01
Bonita	3/17/1977	4:00	0.01
Bonita	3/24/1977	16:00	0.01
Bonita	3/24/1977	17:00	0.01
Bonita	3/24/1977	18:00	0.01
Bonita	3/24/1977	22:00	0.01
Bonita	3/24/1977	23:00	0.01
Bonita	3/25/1977	2:00	0.01
Bonita	3/25/1977	3:00	0.15
Bonita	3/25/1977	4:00	0.05
Bonita	3/25/1977	5:00	0.05
Bonita	3/25/1977	7:00	0.01
Bonita	3/25/1977	14:00	0.02
Bonita	3/25/1977	15:00	0.01
Bonita	3/25/1977	16:00	0.02
Bonita	3/25/1977	20:00	0.01
Bonita	4/1/1977	6:00	0.02
Bonita	4/2/1977	15:00	0.01
Bonita	4/2/1977	16:00	0.01
Bonita	4/14/1977	3:00	0.01
Bonita	5/7/1977	7:00	0.03
Bonita	5/7/1977	17:00	0.01
Bonita	5/7/1977	20:00	0.01
Bonita	5/8/1977	15:00	0.1
Bonita	5/8/1977	16:00	0.08
Bonita	5/8/1977	17:00	0.08
Bonita	5/8/1977	19:00	0.03
Bonita	5/8/1977	20:00	0.01
Bonita	5/8/1977	21:00	0.35
Bonita	5/8/1977	22:00	0.1
Bonita	5/8/1977	23:00	0.25
Bonita	5/8/1977	24:00	0.1

Bonita	5/9/1977	1:00	0.01
Bonita	5/9/1977	4:00	0.03
Bonita	5/9/1977	6:00	0.08
Bonita	5/9/1977	8:00	0.01
Bonita	5/9/1977	10:00	0.05
Bonita	5/9/1977	14:00	0.01
Bonita	5/9/1977	16:00	0.01
Bonita	5/9/1977	17:00	0.01
Bonita	5/9/1977	19:00	0.02
Bonita	5/12/1977	8:00	0.01
Bonita	5/24/1977	4:00	0.05
Bonita	5/24/1977	5:00	0.03
Bonita	5/24/1977	7:00	0.03
Bonita	5/24/1977	9:00	0.02
Bonita	6/8/1977	14:00	0.05
Bonita	6/28/1977	4:00	0.01
Bonita	6/28/1977	6:00	0.01
Bonita	6/28/1977	7:00	0.02
Bonita	6/28/1977	8:00	0.01
Bonita	8/16/1977	13:00	0.05
Bonita	8/16/1977	14:00	0.05
Bonita	8/16/1977	15:00	0.05
Bonita	8/16/1977	16:00	0.05
Bonita	8/16/1977	17:00	0.06
Bonita	8/16/1977	18:00	0.01
Bonita	8/16/1977	19:00	0.08
Bonita	8/16/1977	20:00	0.05
Bonita	8/16/1977	21:00	0.07
Bonita	8/16/1977	22:00	0.28
Bonita	8/16/1977	23:00	0.05
Bonita	8/16/1977	24:00	0.4
Bonita	8/17/1977	1:00	0.05
Bonita	8/17/1977	2:00	0.1
Bonita	8/17/1977	3:00	0.12
Bonita	8/17/1977	4:00	0.08
Bonita	8/17/1977	5:00	0.07
Bonita	8/17/1977	6:00	0.02
Bonita	8/17/1977	7:00	0.01
Bonita	8/17/1977	8:00	0.1
Bonita	8/17/1977	9:00	0.08
Bonita	8/17/1977	10:00	0.03
Bonita	8/17/1977	15:00	0.02
Bonita	8/17/1977	18:00	0.01
Bonita	8/17/1977	19:00	0.01
Bonita	10/4/1977	15:00	0.01
Bonita	10/4/1977	17:00	0.01
Bonita	10/4/1977	18:00	0.01
Bonita	10/4/1977	20:00	0.01
Bonita	10/5/1977	5:00	0.01
Bonita	10/5/1977	12:00	0.01

Bonita	10/5/1977	14:00	0.01
Bonita	10/5/1977	16:00	0.01
Bonita	10/5/1977	18:00	0.01
Bonita	10/5/1977	19:00	0.02
Bonita	10/5/1977	22:00	0.03
Bonita	10/5/1977	23:00	0.06
Bonita	10/5/1977	24:00	0.04
Bonita	10/6/1977	1:00	0.03
Bonita	10/6/1977	4:00	0.03
Bonita	10/6/1977	5:00	0.01
Bonita	10/6/1977	6:00	0.02
Bonita	10/6/1977	7:00	0.01
Bonita	10/6/1977	8:00	0.01
Bonita	10/6/1977	10:00	0.2
Bonita	10/6/1977	11:00	0.18
Bonita	10/6/1977	12:00	0.01
Bonita	10/6/1977	14:00	0.01
Bonita	10/6/1977	18:00	0.02
Bonita	10/6/1977	19:00	0.01
Bonita	10/6/1977	21:00	0.01
Bonita	11/5/1977	18:00	0.02
Bonita	11/5/1977	19:00	0.02
Bonita	11/6/1977	2:00	0.03
Bonita	11/6/1977	4:00	0.01
Bonita	11/6/1977	6:00	0.01
Bonita	12/18/1977	1:00	0.03
Bonita	12/18/1977	3:00	0.02
Bonita	12/18/1977	8:00	0.09
Bonita	12/18/1977	9:00	0.06
Bonita	12/18/1977	10:00	0.13
Bonita	12/18/1977	11:00	0.01
Bonita	12/18/1977	12:00	0.01
Bonita	12/18/1977	15:00	0.01
Bonita	12/18/1977	17:00	0.01
Bonita	12/18/1977	18:00	0.01
Bonita	12/18/1977	19:00	0.01
Bonita	12/18/1977	21:00	0.01
Bonita	12/18/1977	23:00	0.01
Bonita	12/19/1977	6:00	0.01
Bonita	12/23/1977	1:00	0.04
Bonita	12/23/1977	4:00	0.07
Bonita	12/23/1977	5:00	0.02
Bonita	12/23/1977	14:00	0.02
Bonita	12/23/1977	15:00	0.05
Bonita	12/23/1977	16:00	0.02
Bonita	12/23/1977	18:00	0.03
Bonita	12/25/1977	7:00	0.02
Bonita	12/25/1977	8:00	0.04
Bonita	12/25/1977	9:00	0.04
Bonita	12/25/1977	10:00	0.05

Bonita	12/25/1977	11:00	0.08
Bonita	12/25/1977	12:00	0.04
Bonita	12/25/1977	13:00	0.05
Bonita	12/25/1977	14:00	0.04
Bonita	12/25/1977	15:00	0.01
Bonita	12/25/1977	16:00	0.02
Bonita	12/25/1977	17:00	0.05
Bonita	12/25/1977	18:00	0.02
Bonita	12/25/1977	20:00	0.01
Bonita	12/25/1977	22:00	0.02
Bonita	12/25/1977	23:00	0.02
Bonita	12/26/1977	3:00	0.02
Bonita	12/26/1977	4:00	0.01
Bonita	12/26/1977	5:00	0.05
Bonita	12/26/1977	6:00	0.04
Bonita	12/26/1977	7:00	0.01
Bonita	12/26/1977	8:00	0.02
Bonita	12/26/1977	9:00	0.02
Bonita	12/26/1977	10:00	0.05
Bonita	12/26/1977	11:00	0.02
Bonita	12/26/1977	12:00	0.07
Bonita	12/26/1977	13:00	0.01
Bonita	12/26/1977	14:00	0.01
Bonita	12/26/1977	18:00	0.02
Bonita	12/26/1977	19:00	0.02
Bonita	12/26/1977	23:00	0.01
Bonita	12/27/1977	2:00	0.01
Bonita	12/27/1977	4:00	0.01
Bonita	12/27/1977	10:00	0.01
Bonita	12/27/1977	12:00	0.01
Bonita	12/27/1977	18:00	0.01
Bonita	12/27/1977	23:00	0.01
Bonita	12/28/1977	10:00	0.04
Bonita	12/28/1977	13:00	0.02
Bonita	12/28/1977	14:00	0.18
Bonita	12/28/1977	23:00	0.1
Bonita	12/29/1977	2:00	0.01
Bonita	12/29/1977	4:00	0.29
Bonita	12/29/1977	5:00	0.01
Bonita	12/29/1977	10:00	0.05
Bonita	12/30/1977	1:00	0.01
Bonita	12/30/1977	4:00	0.01
Bonita	12/30/1977	5:00	0.06
Bonita	12/30/1977	6:00	0.02
Bonita	1/3/1978	15:00	0.02
Bonita	1/3/1978	16:00	0.04
Bonita	1/3/1978	17:00	0.01
Bonita	1/3/1978	20:00	0.01
Bonita	1/4/1978	1:00	0.16
Bonita	1/4/1978	3:00	0.01

Bonita	1/4/1978	18:00	0.01
Bonita	1/4/1978	19:00	0.11
Bonita	1/4/1978	20:00	0.02
Bonita	1/4/1978	21:00	0.02
Bonita	1/4/1978	23:00	0.01
Bonita	1/5/1978	1:00	0.02
Bonita	1/5/1978	2:00	0.09
Bonita	1/5/1978	3:00	0.01
Bonita	1/5/1978	17:00	0.02
Bonita	1/5/1978	18:00	0.01
Bonita	1/9/1978	12:00	0.01
Bonita	1/9/1978	14:00	0.02
Bonita	1/9/1978	16:00	0.12
Bonita	1/9/1978	17:00	0.1
Bonita	1/9/1978	18:00	0.25
Bonita	1/9/1978	19:00	0.1
Bonita	1/9/1978	20:00	0.04
Bonita	1/10/1978	5:00	0.01
Bonita	1/10/1978	7:00	0.09
Bonita	1/10/1978	10:00	0.01
Bonita	1/10/1978	15:00	0.05
Bonita	1/10/1978	16:00	0.1
Bonita	1/10/1978	17:00	0.01
Bonita	1/10/1978	18:00	0.08
Bonita	1/10/1978	19:00	0.01
Bonita	1/10/1978	20:00	0.01
Bonita	1/11/1978	1:00	0.04
Bonita	1/11/1978	2:00	0.01
Bonita	1/14/1978	14:00	0.04
Bonita	1/14/1978	15:00	0.2
Bonita	1/14/1978	16:00	0.15
Bonita	1/14/1978	17:00	0.1
Bonita	1/14/1978	18:00	0.17
Bonita	1/14/1978	19:00	0.23
Bonita	1/14/1978	20:00	0.15
Bonita	1/14/1978	21:00	0.05
Bonita	1/14/1978	22:00	0.03
Bonita	1/14/1978	23:00	0.02
Bonita	1/14/1978	24:00	0.1
Bonita	1/15/1978	1:00	0.1
Bonita	1/15/1978	2:00	0.2
Bonita	1/15/1978	3:00	0.2
Bonita	1/15/1978	4:00	0.07
Bonita	1/15/1978	5:00	0.03
Bonita	1/15/1978	6:00	0.21
Bonita	1/15/1978	9:00	0.02
Bonita	1/15/1978	14:00	0.01
Bonita	1/15/1978	18:00	0.01
Bonita	1/16/1978	20:00	0.05
Bonita	1/16/1978	21:00	0.03

Bonita	1/16/1978	22:00	0.32
Bonita	1/16/1978	23:00	0.45
Bonita	1/17/1978	4:00	0.14
Bonita	1/17/1978	5:00	0.06
Bonita	1/17/1978	6:00	0.01
Bonita	1/17/1978	11:00	0.03
Bonita	1/17/1978	16:00	0.01
Bonita	1/17/1978	20:00	0.02
Bonita	1/18/1978	3:00	0.02
Bonita	1/19/1978	4:00	0.02
Bonita	1/19/1978	5:00	0.05
Bonita	1/19/1978	6:00	0.02
Bonita	1/19/1978	8:00	0.01
Bonita	1/19/1978	9:00	0.03
Bonita	1/19/1978	12:00	0.02
Bonita	1/19/1978	13:00	0.02
Bonita	1/19/1978	14:00	0.01
Bonita	1/19/1978	15:00	0.02
Bonita	1/19/1978	19:00	0.01
Bonita	1/19/1978	21:00	0.09
Bonita	1/19/1978	22:00	0.04
Bonita	1/19/1978	23:00	0.01
Bonita	1/30/1978	6:00	0.01
Bonita	1/30/1978	7:00	0.02
Bonita	1/30/1978	8:00	0.02
Bonita	1/30/1978	9:00	0.01
Bonita	1/30/1978	10:00	0.03
Bonita	1/30/1978	11:00	0.01
Bonita	1/30/1978	16:00	0.01
Bonita	1/30/1978	17:00	0.09
Bonita	1/30/1978	18:00	0.11
Bonita	1/30/1978	19:00	0.04
Bonita	1/30/1978	20:00	0.01
Bonita	2/5/1978	12:00	0.02
Bonita	2/5/1978	13:00	0.15
Bonita	2/5/1978	14:00	0.02
Bonita	2/5/1978	16:00	0.01
Bonita	2/5/1978	17:00	0.01
Bonita	2/5/1978	19:00	0.01
Bonita	2/5/1978	23:00	0.01
Bonita	2/6/1978	6:00	0.01
Bonita	2/6/1978	8:00	0.01
Bonita	2/6/1978	18:00	0.13
Bonita	2/7/1978	3:00	0.01
Bonita	2/7/1978	4:00	0.01
Bonita	2/7/1978	6:00	0.01
Bonita	2/7/1978	16:00	0.01
Bonita	2/7/1978	18:00	0.05
Bonita	2/7/1978	19:00	0.2
Bonita	2/7/1978	20:00	0.02

Bonita	2/7/1978	21:00	0.02
Bonita	2/7/1978	22:00	0.01
Bonita	2/8/1978	1:00	0.01
Bonita	2/8/1978	2:00	0.01
Bonita	2/8/1978	4:00	0.01
Bonita	2/8/1978	5:00	0.01
Bonita	2/8/1978	17:00	0.01
Bonita	2/8/1978	18:00	0.02
Bonita	2/8/1978	21:00	0.01
Bonita	2/8/1978	23:00	0.01
Bonita	2/9/1978	3:00	0.01
Bonita	2/9/1978	4:00	0.02
Bonita	2/9/1978	18:00	0.01
Bonita	2/9/1978	20:00	0.01
Bonita	2/9/1978	21:00	0.04
Bonita	2/9/1978	22:00	0.01
Bonita	2/10/1978	2:00	0.01
Bonita	2/10/1978	3:00	0.02
Bonita	2/10/1978	4:00	0.14
Bonita	2/10/1978	5:00	0.2
Bonita	2/10/1978	6:00	0.2
Bonita	2/10/1978	8:00	0.01
Bonita	2/10/1978	10:00	0.01
Bonita	2/10/1978	16:00	0.01
Bonita	2/10/1978	18:00	0.01
Bonita	2/10/1978	20:00	0.03
Bonita	2/10/1978	22:00	0.01
Bonita	2/11/1978	2:00	0.01
Bonita	2/11/1978	5:00	0.01
Bonita	2/11/1978	10:00	0.02
Bonita	2/11/1978	15:00	0.03
Bonita	2/11/1978	18:00	0.01
Bonita	2/11/1978	22:00	0.01
Bonita	2/12/1978	4:00	0.01
Bonita	2/12/1978	20:00	0.01
Bonita	2/12/1978	23:00	0.1
Bonita	2/12/1978	24:00	0.06
Bonita	2/13/1978	1:00	0.01
Bonita	2/13/1978	2:00	0.01
Bonita	2/13/1978	3:00	0.07
Bonita	2/13/1978	6:00	0.01
Bonita	2/13/1978	11:00	0.15
Bonita	2/13/1978	14:00	0.12
Bonita	2/13/1978	18:00	0.02
Bonita	2/13/1978	19:00	0.01
Bonita	2/14/1978	2:00	0.03
Bonita	2/14/1978	3:00	0.01
Bonita	2/14/1978	6:00	0.02
Bonita	2/14/1978	7:00	0.01
Bonita	2/14/1978	8:00	0.01

Bonita	2/27/1978	2:00	0.05
Bonita	2/27/1978	3:00	0.07
Bonita	2/27/1978	4:00	0.05
Bonita	2/27/1978	5:00	0.02
Bonita	2/27/1978	6:00	0.01
Bonita	2/27/1978	7:00	0.02
Bonita	2/27/1978	10:00	0.01
Bonita	2/27/1978	16:00	0.02
Bonita	2/27/1978	18:00	0.04
Bonita	2/27/1978	19:00	0.12
Bonita	2/27/1978	20:00	0.08
Bonita	2/27/1978	21:00	0.22
Bonita	2/27/1978	22:00	0.02
Bonita	2/27/1978	24:00	0.03
Bonita	2/28/1978	1:00	0.1
Bonita	2/28/1978	4:00	0.02
Bonita	2/28/1978	6:00	0.01
Bonita	2/28/1978	8:00	0.02
Bonita	2/28/1978	15:00	0.01
Bonita	2/28/1978	18:00	0.1
Bonita	2/28/1978	19:00	0.2
Bonita	2/28/1978	20:00	0.02
Bonita	3/1/1978	2:00	0.03
Bonita	3/1/1978	3:00	0.15
Bonita	3/1/1978	4:00	0.04
Bonita	3/1/1978	5:00	0.1
Bonita	3/1/1978	6:00	0.2
Bonita	3/1/1978	7:00	0.3
Bonita	3/1/1978	8:00	0.01
Bonita	3/1/1978	9:00	0.05
Bonita	3/1/1978	10:00	0.13
Bonita	3/1/1978	11:00	0.01
Bonita	3/1/1978	12:00	0.01
Bonita	3/1/1978	18:00	0.01
Bonita	3/1/1978	21:00	0.02
Bonita	3/1/1978	23:00	0.01
Bonita	3/2/1978	2:00	0.01
Bonita	3/2/1978	5:00	0.03
Bonita	3/2/1978	7:00	0.07
Bonita	3/2/1978	8:00	0.02
Bonita	3/2/1978	9:00	0.02
Bonita	3/2/1978	10:00	0.01
Bonita	3/2/1978	12:00	0.05
Bonita	3/2/1978	13:00	0.01
Bonita	3/2/1978	14:00	0.03
Bonita	3/2/1978	15:00	0.01
Bonita	3/2/1978	16:00	0.07
Bonita	3/4/1978	4:00	0.09
Bonita	3/4/1978	5:00	0.01
Bonita	3/4/1978	8:00	0.01

Bonita	3/4/1978	9:00	0.02
Bonita	3/4/1978	15:00	0.05
Bonita	3/4/1978	16:00	0.14
Bonita	3/4/1978	17:00	0.02
Bonita	3/4/1978	19:00	0.06
Bonita	3/4/1978	20:00	0.09
Bonita	3/5/1978	4:00	0.21
Bonita	3/5/1978	5:00	0.15
Bonita	3/5/1978	9:00	0.05
Bonita	3/5/1978	14:00	0.02
Bonita	3/9/1978	15:00	0.1
Bonita	3/9/1978	16:00	0.12
Bonita	3/9/1978	17:00	0.05
Bonita	3/9/1978	18:00	0.01
Bonita	3/9/1978	19:00	0.01
Bonita	3/9/1978	24:00	0.07
Bonita	3/10/1978	1:00	0.03
Bonita	3/10/1978	10:00	0.02
Bonita	3/10/1978	11:00	0.02
Bonita	3/11/1978	2:00	0.04
Bonita	3/11/1978	6:00	0.01
Bonita	3/11/1978	7:00	0.01
Bonita	3/11/1978	8:00	0.06
Bonita	3/11/1978	12:00	0.01
Bonita	3/11/1978	16:00	0.02
Bonita	3/11/1978	18:00	0.01
Bonita	3/11/1978	20:00	0.01
Bonita	3/11/1978	22:00	0.24
Bonita	3/11/1978	23:00	0.1
Bonita	3/11/1978	24:00	0.15
Bonita	3/12/1978	1:00	0.05
Bonita	3/12/1978	4:00	0.05
Bonita	3/12/1978	5:00	0.02
Bonita	3/12/1978	6:00	0.03
Bonita	3/12/1978	8:00	0.07
Bonita	3/12/1978	9:00	0.02
Bonita	3/12/1978	10:00	0.08
Bonita	3/12/1978	11:00	0.01
Bonita	3/12/1978	14:00	0.02
Bonita	3/21/1978	5:00	0.02
Bonita	3/22/1978	5:00	0.01
Bonita	3/22/1978	6:00	0.01
Bonita	3/22/1978	12:00	0.01
Bonita	3/22/1978	16:00	0.02
Bonita	3/22/1978	17:00	0.01
Bonita	3/29/1978	20:00	0.01
Bonita	3/29/1978	21:00	0.01
Bonita	3/29/1978	22:00	0.01
Bonita	3/30/1978	6:00	0.01
Bonita	3/30/1978	10:00	0.06

Bonita	3/30/1978	13:00	0.01
Bonita	3/30/1978	14:00	0.01
Bonita	3/30/1978	16:00	0.01
Bonita	3/30/1978	17:00	0.01
Bonita	3/30/1978	18:00	0.01
Bonita	3/30/1978	21:00	0.02
Bonita	3/30/1978	22:00	0.01
Bonita	3/30/1978	23:00	0.01
Bonita	3/31/1978	1:00	0.13
Bonita	3/31/1978	2:00	0.25
Bonita	3/31/1978	3:00	0.06
Bonita	3/31/1978	4:00	0.01
Bonita	3/31/1978	5:00	0.01
Bonita	3/31/1978	6:00	0.01
Bonita	3/31/1978	11:00	0.01
Bonita	3/31/1978	18:00	0.01
Bonita	3/31/1978	21:00	0.04
Bonita	3/31/1978	22:00	0.1
Bonita	3/31/1978	23:00	0.05
Bonita	3/31/1978	24:00	0.07
Bonita	4/1/1978	1:00	0.02
Bonita	4/1/1978	3:00	0.01
Bonita	4/1/1978	10:00	0.02
Bonita	4/1/1978	11:00	0.01
Bonita	4/1/1978	17:00	0.01
Bonita	4/1/1978	18:00	0.01
Bonita	4/1/1978	19:00	0.01
Bonita	4/1/1978	20:00	0.01
Bonita	4/1/1978	22:00	0.01
Bonita	4/2/1978	2:00	0.04
Bonita	4/2/1978	3:00	0.04
Bonita	4/2/1978	4:00	0.02
Bonita	4/2/1978	6:00	0.02
Bonita	4/2/1978	17:00	0.01
Bonita	4/2/1978	18:00	0.03
Bonita	4/2/1978	19:00	0.01
Bonita	4/3/1978	13:00	0.01
Bonita	4/3/1978	18:00	0.01
Bonita	4/3/1978	20:00	0.01
Bonita	4/4/1978	4:00	0.01
Bonita	4/4/1978	17:00	0.05
Bonita	4/4/1978	18:00	0.01
Bonita	4/4/1978	20:00	0.01
Bonita	4/4/1978	21:00	0.01
Bonita	4/4/1978	23:00	0.01
Bonita	4/5/1978	17:00	0.01
Bonita	4/5/1978	18:00	0.02
Bonita	4/5/1978	19:00	0.01
Bonita	4/5/1978	20:00	0.01
Bonita	4/5/1978	23:00	0.01

Bonita	4/6/1978	18:00	0.04
Bonita	4/6/1978	19:00	0.01
Bonita	4/7/1978	2:00	0.1
Bonita	4/7/1978	3:00	0.1
Bonita	4/7/1978	4:00	0.05
Bonita	4/7/1978	5:00	0.01
Bonita	4/7/1978	18:00	0.04
Bonita	4/7/1978	22:00	0.05
Bonita	4/7/1978	23:00	0.08
Bonita	4/15/1978	21:00	0.05
Bonita	4/15/1978	22:00	0.02
Bonita	4/15/1978	24:00	0.02
Bonita	4/16/1978	2:00	0.01
Bonita	4/16/1978	5:00	0.01
Bonita	4/16/1978	16:00	0.01
Bonita	4/16/1978	18:00	0.03
Bonita	4/16/1978	20:00	0.01
Bonita	4/16/1978	22:00	0.01
Bonita	4/30/1978	24:00	0.03
Bonita	5/1/1978	1:00	0.04
Bonita	5/1/1978	2:00	0.01
Bonita	5/1/1978	6:00	0.01
Bonita	5/1/1978	9:00	0.02
Bonita	5/1/1978	10:00	0.02
Bonita	9/5/1978	15:00	0.02
Bonita	9/5/1978	16:00	0.05
Bonita	9/5/1978	17:00	0.08
Bonita	9/5/1978	18:00	0.03
Bonita	9/5/1978	20:00	0.01
Bonita	9/6/1978	2:00	0.01
Bonita	9/6/1978	4:00	0.01
Bonita	9/6/1978	8:00	0.01
Bonita	9/6/1978	10:00	0.01
Bonita	9/16/1978	2:00	0.37
Bonita	9/16/1978	3:00	0.1
Bonita	9/16/1978	4:00	0.05
Bonita	9/16/1978	5:00	0.02
Bonita	9/16/1978	6:00	0.01
Bonita	9/16/1978	8:00	0.01
Bonita	9/16/1978	18:00	0.01
Bonita	9/16/1978	19:00	0.01
Bonita	10/20/1978	4:00	0.01
Bonita	10/20/1978	5:00	0.06
Bonita	10/20/1978	18:00	0.01
Bonita	10/31/1978	1:00	0.01
Bonita	10/31/1978	6:00	0.01
Bonita	10/31/1978	8:00	0.01
Bonita	11/10/1978	14:00	0.04
Bonita	11/10/1978	15:00	0.05
Bonita	11/10/1978	16:00	0.04

Bonita	11/10/1978 17:00	0.01
Bonita	11/10/1978 18:00	0.02
Bonita	11/10/1978 19:00	0.01
Bonita	11/10/1978 20:00	0.02
Bonita	11/10/1978 22:00	0.01
Bonita	11/11/1978 2:00	0.05
Bonita	11/11/1978 3:00	0.05
Bonita	11/11/1978 4:00	0.03
Bonita	11/11/1978 6:00	0.04
Bonita	11/11/1978 9:00	0.02
Bonita	11/11/1978 12:00	0.03
Bonita	11/11/1978 13:00	0.1
Bonita	11/11/1978 15:00	0.15
Bonita	11/11/1978 16:00	0.01
Bonita	11/11/1978 19:00	0.02
Bonita	11/11/1978 20:00	0.01
Bonita	11/11/1978 21:00	0.01
Bonita	11/11/1978 22:00	0.09
Bonita	11/11/1978 23:00	0.01
Bonita	11/12/1978 1:00	0.01
Bonita	11/12/1978 4:00	0.01
Bonita	11/12/1978 5:00	0.01
Bonita	11/12/1978 6:00	0.01
Bonita	11/12/1978 11:00	0.02
Bonita	11/12/1978 18:00	0.01
Bonita	11/12/1978 20:00	0.01
Bonita	11/13/1978 18:00	0.01
Bonita	11/13/1978 21:00	0.05
Bonita	11/13/1978 22:00	0.15
Bonita	11/13/1978 23:00	0.2
Bonita	11/14/1978 1:00	0.03
Bonita	11/14/1978 3:00	0.01
Bonita	11/14/1978 6:00	0.01
Bonita	11/14/1978 7:00	0.1
Bonita	11/14/1978 8:00	0.01
Bonita	11/14/1978 10:00	0.01
Bonita	11/14/1978 16:00	0.01
Bonita	11/14/1978 18:00	0.02
Bonita	11/14/1978 20:00	0.01
Bonita	11/21/1978 18:00	0.05
Bonita	11/21/1978 19:00	0.1
Bonita	11/21/1978 20:00	0.15
Bonita	11/21/1978 21:00	0.1
Bonita	11/21/1978 22:00	0.02
Bonita	11/22/1978 1:00	0.01
Bonita	11/22/1978 2:00	0.02
Bonita	11/22/1978 7:00	0.01
Bonita	11/23/1978 16:00	0.01
Bonita	11/23/1978 17:00	0.01
Bonita	11/23/1978 18:00	0.01

Bonita	11/23/1978 20:00	0.01
Bonita	11/23/1978 23:00	0.02
Bonita	11/24/1978 1:00	0.08
Bonita	11/24/1978 2:00	0.04
Bonita	11/24/1978 3:00	0.03
Bonita	11/24/1978 4:00	0.03
Bonita	11/24/1978 5:00	0.02
Bonita	11/24/1978 6:00	0.04
Bonita	11/24/1978 7:00	0.06
Bonita	11/24/1978 8:00	0.03
Bonita	11/24/1978 9:00	0.01
Bonita	11/24/1978 10:00	0.11
Bonita	11/24/1978 11:00	0.1
Bonita	11/24/1978 12:00	0.06
Bonita	11/24/1978 14:00	0.01
Bonita	11/24/1978 16:00	0.01
Bonita	11/24/1978 18:00	0.01
Bonita	11/24/1978 19:00	0.01
Bonita	12/1/1978 18:00	0.01
Bonita	12/1/1978 19:00	0.03
Bonita	12/1/1978 20:00	0.01
Bonita	12/2/1978 2:00	0.01
Bonita	12/2/1978 4:00	0.01
Bonita	12/5/1978 17:00	0.01
Bonita	12/5/1978 22:00	0.02
Bonita	12/5/1978 23:00	0.01
Bonita	12/16/1978 18:00	0.01
Bonita	12/16/1978 19:00	0.01
Bonita	12/16/1978 20:00	0.01
Bonita	12/16/1978 22:00	0.02
Bonita	12/17/1978 1:00	0.05
Bonita	12/17/1978 2:00	0.2
Bonita	12/17/1978 3:00	0.15
Bonita	12/17/1978 4:00	0.05
Bonita	12/17/1978 5:00	0.1
Bonita	12/17/1978 6:00	0.04
Bonita	12/17/1978 8:00	0.16
Bonita	12/17/1978 9:00	0.1
Bonita	12/17/1978 10:00	0.05
Bonita	12/17/1978 11:00	0.04
Bonita	12/17/1978 12:00	0.01
Bonita	12/17/1978 13:00	0.05
Bonita	12/17/1978 14:00	0.1
Bonita	12/17/1978 15:00	0.05
Bonita	12/17/1978 16:00	0.05
Bonita	12/17/1978 18:00	0.01
Bonita	12/17/1978 21:00	0.07
Bonita	12/17/1978 22:00	0.02
Bonita	12/18/1978 4:00	0.05
Bonita	12/18/1978 12:00	0.02

Bonita	12/18/1978	16:00	0.01
Bonita	12/18/1978	17:00	0.01
Bonita	12/18/1978	18:00	0.05
Bonita	12/18/1978	20:00	0.02
Bonita	12/18/1978	21:00	0.02
Bonita	12/18/1978	23:00	0.02
Bonita	12/19/1978	1:00	0.07
Bonita	12/19/1978	4:00	0.14
Bonita	12/19/1978	5:00	0.01
Bonita	12/19/1978	6:00	0.01
Bonita	12/19/1978	7:00	0.09
Bonita	12/19/1978	9:00	0.09
Bonita	12/19/1978	10:00	0.01
Bonita	12/19/1978	11:00	0.1
Bonita	12/19/1978	18:00	0.01
Bonita	12/19/1978	19:00	0.01
Bonita	12/19/1978	22:00	0.01
Bonita	12/20/1978	2:00	0.01
Bonita	12/20/1978	12:00	0.09
Bonita	1/5/1979	6:00	0.01
Bonita	1/5/1979	7:00	0.01
Bonita	1/5/1979	8:00	0.05
Bonita	1/5/1979	14:00	0.01
Bonita	1/5/1979	17:00	0.01
Bonita	1/5/1979	18:00	0.01
Bonita	1/5/1979	19:00	0.01
Bonita	1/5/1979	21:00	0.05
Bonita	1/5/1979	22:00	0.05
Bonita	1/6/1979	1:00	0.35
Bonita	1/6/1979	2:00	0.2
Bonita	1/6/1979	3:00	0.1
Bonita	1/6/1979	4:00	0.1
Bonita	1/6/1979	5:00	0.1
Bonita	1/6/1979	6:00	0.01
Bonita	1/6/1979	7:00	0.04
Bonita	1/6/1979	8:00	0.12
Bonita	1/6/1979	16:00	0.01
Bonita	1/6/1979	17:00	0.01
Bonita	1/9/1979	12:00	0.01
Bonita	1/9/1979	16:00	0.01
Bonita	1/9/1979	18:00	0.01
Bonita	1/15/1979	17:00	0.04
Bonita	1/15/1979	18:00	0.05
Bonita	1/15/1979	19:00	0.15
Bonita	1/15/1979	20:00	0.07
Bonita	1/15/1979	21:00	0.08
Bonita	1/15/1979	22:00	0.04
Bonita	1/15/1979	23:00	0.01
Bonita	1/15/1979	24:00	0.15
Bonita	1/16/1979	1:00	0.04

Bonita	1/16/1979	6:00	0.01
Bonita	1/17/1979	6:00	0.13
Bonita	1/17/1979	7:00	0.03
Bonita	1/17/1979	9:00	0.06
Bonita	1/17/1979	11:00	0.08
Bonita	1/17/1979	16:00	0.01
Bonita	1/17/1979	18:00	0.01
Bonita	1/17/1979	20:00	0.01
Bonita	1/18/1979	7:00	0.05
Bonita	1/18/1979	8:00	0.05
Bonita	1/18/1979	16:00	0.1
Bonita	1/18/1979	17:00	0.05
Bonita	1/18/1979	18:00	0.07
Bonita	1/18/1979	19:00	0.03
Bonita	1/24/1979	17:00	0.01
Bonita	1/24/1979	18:00	0.02
Bonita	1/24/1979	20:00	0.01
Bonita	1/24/1979	22:00	0.01
Bonita	1/25/1979	13:00	0.01
Bonita	1/25/1979	16:00	0.01
Bonita	1/25/1979	18:00	0.01
Bonita	1/25/1979	22:00	0.01
Bonita	1/26/1979	1:00	0.01
Bonita	1/26/1979	2:00	0.15
Bonita	1/26/1979	3:00	0.01
Bonita	1/26/1979	4:00	0.01
Bonita	1/26/1979	5:00	0.01
Bonita	1/26/1979	6:00	0.01
Bonita	1/26/1979	18:00	0.01
Bonita	1/26/1979	20:00	0.01
Bonita	1/26/1979	22:00	0.01
Bonita	1/28/1979	19:00	0.03
Bonita	1/28/1979	22:00	0.07
Bonita	1/28/1979	23:00	0.01
Bonita	1/29/1979	2:00	0.01
Bonita	1/29/1979	4:00	0.01
Bonita	1/29/1979	18:00	0.01
Bonita	1/29/1979	22:00	0.01
Bonita	1/30/1979	20:00	0.01
Bonita	1/30/1979	22:00	0.01
Bonita	1/30/1979	23:00	0.01
Bonita	1/31/1979	3:00	0.03
Bonita	1/31/1979	4:00	0.4
Bonita	1/31/1979	5:00	0.2
Bonita	1/31/1979	6:00	0.15
Bonita	1/31/1979	7:00	0.2
Bonita	1/31/1979	8:00	0.25
Bonita	1/31/1979	9:00	0.15
Bonita	1/31/1979	10:00	0.05
Bonita	1/31/1979	11:00	0.05

Bonita	1/31/1979	12:00	0.2
Bonita	1/31/1979	13:00	0.35
Bonita	1/31/1979	14:00	0.2
Bonita	1/31/1979	18:00	0.06
Bonita	1/31/1979	19:00	0.05
Bonita	1/31/1979	21:00	0.01
Bonita	1/31/1979	22:00	0.02
Bonita	1/31/1979	23:00	0.02
Bonita	2/1/1979	6:00	0.01
Bonita	2/1/1979	7:00	0.02
Bonita	2/1/1979	8:00	0.02
Bonita	2/1/1979	9:00	0.04
Bonita	2/1/1979	10:00	0.01
Bonita	2/1/1979	12:00	0.05
Bonita	2/1/1979	13:00	0.01
Bonita	2/1/1979	17:00	0.04
Bonita	2/1/1979	20:00	0.13
Bonita	2/1/1979	21:00	0.03
Bonita	2/1/1979	22:00	0.03
Bonita	2/2/1979	1:00	0.01
Bonita	2/2/1979	4:00	0.04
Bonita	2/2/1979	5:00	0.03
Bonita	2/2/1979	8:00	0.2
Bonita	2/2/1979	9:00	0.05
Bonita	2/2/1979	15:00	0.04
Bonita	2/2/1979	17:00	0.01
Bonita	2/2/1979	18:00	0.14
Bonita	2/2/1979	20:00	0.01
Bonita	2/3/1979	6:00	0.02
Bonita	2/3/1979	7:00	0.01
Bonita	2/14/1979	4:00	0.06
Bonita	2/14/1979	5:00	0.03
Bonita	2/14/1979	6:00	0.02
Bonita	2/14/1979	8:00	0.01
Bonita	2/21/1979	2:00	0.04
Bonita	2/21/1979	3:00	0.04
Bonita	2/21/1979	5:00	0.01
Bonita	2/21/1979	7:00	0.2
Bonita	2/21/1979	8:00	0.01
Bonita	2/21/1979	20:00	0.01
Bonita	2/21/1979	22:00	0.01
Bonita	2/21/1979	23:00	0.01
Bonita	2/22/1979	18:00	0.01
Bonita	2/22/1979	22:00	0.01
Bonita	2/22/1979	24:00	0.05
Bonita	2/23/1979	2:00	0.01
Bonita	2/23/1979	6:00	0.01
Bonita	2/23/1979	7:00	0.02
Bonita	2/23/1979	8:00	0.01
Bonita	3/1/1979	9:00	0.01

Bonita	3/1/1979	10:00	0.1
Bonita	3/1/1979	11:00	0.1
Bonita	3/1/1979	12:00	0.25
Bonita	3/1/1979	13:00	0.05
Bonita	3/1/1979	14:00	0.01
Bonita	3/1/1979	16:00	0.08
Bonita	3/1/1979	17:00	0.02
Bonita	3/1/1979	20:00	0.01
Bonita	3/1/1979	22:00	0.01
Bonita	3/13/1979	1:00	0.03
Bonita	3/13/1979	2:00	0.05
Bonita	3/13/1979	4:00	0.01
Bonita	3/13/1979	7:00	0.01
Bonita	3/13/1979	8:00	0.01
Bonita	3/15/1979	22:00	0.04
Bonita	3/15/1979	23:00	0.01
Bonita	3/16/1979	3:00	0.01
Bonita	3/16/1979	20:00	0.01
Bonita	3/16/1979	23:00	0.01
Bonita	3/17/1979	2:00	0.05
Bonita	3/17/1979	6:00	0.15
Bonita	3/17/1979	7:00	0.1
Bonita	3/17/1979	8:00	0.15
Bonita	3/17/1979	9:00	0.03
Bonita	3/17/1979	10:00	0.07
Bonita	3/17/1979	11:00	0.05
Bonita	3/17/1979	12:00	0.02
Bonita	3/18/1979	10:00	0.03
Bonita	3/18/1979	12:00	0.08
Bonita	3/18/1979	13:00	0.02
Bonita	3/18/1979	23:00	0.05
Bonita	3/19/1979	2:00	0.15
Bonita	3/19/1979	4:00	0.04
Bonita	3/19/1979	5:00	0.06
Bonita	3/19/1979	6:00	0.03
Bonita	3/19/1979	7:00	0.02
Bonita	3/20/1979	1:00	0.02
Bonita	3/20/1979	2:00	0.1
Bonita	3/20/1979	3:00	0.06
Bonita	3/20/1979	4:00	0.02
Bonita	3/20/1979	6:00	0.02
Bonita	3/20/1979	9:00	0.01
Bonita	3/20/1979	13:00	0.09
Bonita	3/21/1979	4:00	0.02
Bonita	3/21/1979	5:00	0.03
Bonita	3/21/1979	7:00	0.1
Bonita	3/21/1979	10:00	0.04
Bonita	3/21/1979	14:00	0.01
Bonita	3/27/1979	9:00	0.03
Bonita	3/27/1979	10:00	0.05

Bonita	3/27/1979	11:00	0.04
Bonita	3/27/1979	13:00	0.06
Bonita	3/27/1979	14:00	0.02
Bonita	3/27/1979	15:00	0.03
Bonita	3/27/1979	16:00	0.1
Bonita	3/27/1979	17:00	0.05
Bonita	3/27/1979	18:00	0.05
Bonita	3/27/1979	20:00	0.02
Bonita	3/27/1979	21:00	0.03
Bonita	3/27/1979	22:00	0.02
Bonita	3/27/1979	23:00	0.09
Bonita	3/28/1979	1:00	0.02
Bonita	3/28/1979	2:00	0.01
Bonita	3/28/1979	4:00	0.01
Bonita	3/28/1979	9:00	0.07
Bonita	3/28/1979	10:00	0.03
Bonita	3/28/1979	11:00	0.01
Bonita	3/28/1979	12:00	0.01
Bonita	3/29/1979	1:00	0.03
Bonita	3/29/1979	2:00	0.05
Bonita	3/29/1979	4:00	0.01
Bonita	3/29/1979	6:00	0.01
Bonita	4/9/1979	13:00	0.01
Bonita	4/9/1979	15:00	0.01
Bonita	5/20/1979	3:00	0.01
Bonita	5/20/1979	4:00	0.01
Bonita	5/20/1979	5:00	0.01
Bonita	5/20/1979	6:00	0.01
Bonita	5/20/1979	9:00	0.01
Bonita	7/19/1979	4:00	0.06
Bonita	7/19/1979	5:00	0.01
Bonita	7/25/1979	18:00	0.01
Bonita	7/25/1979	19:00	0.01
Bonita	7/25/1979	20:00	0.01
Bonita	8/19/1979	5:00	0.01
Bonita	8/19/1979	8:00	0.01
Bonita	10/19/1979	22:00	0.01
Bonita	10/19/1979	23:00	0.04
Bonita	10/20/1979	2:00	0.01
Bonita	10/20/1979	4:00	0.02
Bonita	10/20/1979	6:00	0.02
Bonita	10/20/1979	7:00	0.01
Bonita	10/20/1979	8:00	0.02
Bonita	10/20/1979	9:00	0.02
Bonita	10/20/1979	12:00	0.03
Bonita	10/20/1979	13:00	0.01
Bonita	10/20/1979	14:00	0.02
Bonita	10/20/1979	15:00	0.1
Bonita	10/20/1979	16:00	0.11
Bonita	10/20/1979	17:00	0.02

Bonita	11/3/1979	24:00	0.01
Bonita	11/4/1979	4:00	0.01
Bonita	11/4/1979	6:00	0.01
Bonita	11/7/1979	17:00	0.01
Bonita	11/7/1979	18:00	0.03
Bonita	11/7/1979	19:00	0.07
Bonita	11/7/1979	20:00	0.07
Bonita	11/17/1979	8:00	0.01
Bonita	11/17/1979	21:00	0.05
Bonita	11/17/1979	22:00	0.03
Bonita	12/26/1979	7:00	0.03
Bonita	12/26/1979	8:00	0.04
Bonita	12/26/1979	12:00	0.01
Bonita	12/26/1979	18:00	0.01
Bonita	12/26/1979	20:00	0.01
Bonita	1/7/1980	13:00	0.03
Bonita	1/7/1980	17:00	0.01
Bonita	1/8/1980	4:00	0.01
Bonita	1/8/1980	7:00	0.01
Bonita	1/8/1980	8:00	0.01
Bonita	1/8/1980	16:00	0.01
Bonita	1/8/1980	20:00	0.01
Bonita	1/9/1980	1:00	0.05
Bonita	1/9/1980	2:00	0.01
Bonita	1/9/1980	4:00	0.08
Bonita	1/9/1980	5:00	0.03
Bonita	1/9/1980	6:00	0.03
Bonita	1/9/1980	9:00	0.04
Bonita	1/9/1980	10:00	0.01
Bonita	1/9/1980	11:00	0.3
Bonita	1/9/1980	12:00	0.07
Bonita	1/9/1980	13:00	0.01
Bonita	1/9/1980	15:00	0.02
Bonita	1/9/1980	19:00	0.1
Bonita	1/9/1980	21:00	0.01
Bonita	1/9/1980	22:00	0.07
Bonita	1/10/1980	3:00	0.01
Bonita	1/10/1980	10:00	0.02
Bonita	1/10/1980	11:00	0.05
Bonita	1/10/1980	14:00	0.1
Bonita	1/10/1980	22:00	0.05
Bonita	1/10/1980	23:00	0.04
Bonita	1/11/1980	1:00	0.01
Bonita	1/11/1980	3:00	0.02
Bonita	1/11/1980	4:00	0.07
Bonita	1/11/1980	5:00	0.01
Bonita	1/11/1980	6:00	0.05
Bonita	1/11/1980	7:00	0.05
Bonita	1/11/1980	8:00	0.05
Bonita	1/11/1980	9:00	0.05

Bonita	1/11/1980	10:00	0.04
Bonita	1/11/1980	11:00	0.01
Bonita	1/11/1980	12:00	0.03
Bonita	1/11/1980	13:00	0.01
Bonita	1/11/1980	16:00	0.01
Bonita	1/11/1980	18:00	0.01
Bonita	1/11/1980	22:00	0.01
Bonita	1/12/1980	6:00	0.02
Bonita	1/12/1980	7:00	0.01
Bonita	1/12/1980	8:00	0.07
Bonita	1/12/1980	9:00	0.07
Bonita	1/12/1980	10:00	0.01
Bonita	1/12/1980	22:00	0.01
Bonita	1/12/1980	23:00	0.01
Bonita	1/13/1980	4:00	0.01
Bonita	1/13/1980	5:00	0.01
Bonita	1/13/1980	6:00	0.01
Bonita	1/13/1980	14:00	0.01
Bonita	1/13/1980	17:00	0.01
Bonita	1/13/1980	22:00	0.02
Bonita	1/13/1980	23:00	0.02
Bonita	1/18/1980	1:00	0.02
Bonita	1/18/1980	5:00	0.01
Bonita	1/18/1980	6:00	0.01
Bonita	1/18/1980	8:00	0.01
Bonita	1/18/1980	16:00	0.07
Bonita	1/18/1980	17:00	0.01
Bonita	1/18/1980	18:00	0.02
Bonita	1/18/1980	21:00	0.01
Bonita	1/18/1980	23:00	0.05
Bonita	1/19/1980	2:00	0.02
Bonita	1/19/1980	3:00	0.02
Bonita	1/27/1980	24:00	0.05
Bonita	1/28/1980	1:00	0.03
Bonita	1/28/1980	2:00	0.01
Bonita	1/28/1980	8:00	0.01
Bonita	1/28/1980	9:00	0.04
Bonita	1/28/1980	10:00	0.02
Bonita	1/28/1980	11:00	0.03
Bonita	1/28/1980	12:00	0.01
Bonita	1/28/1980	13:00	0.01
Bonita	1/28/1980	14:00	0.01
Bonita	1/28/1980	18:00	0.01
Bonita	1/28/1980	20:00	0.01
Bonita	1/28/1980	21:00	0.01
Bonita	1/28/1980	22:00	0.06
Bonita	1/28/1980	23:00	0.04
Bonita	1/28/1980	24:00	0.03
Bonita	1/29/1980	1:00	0.07
Bonita	1/29/1980	2:00	0.15

Bonita	1/29/1980	3:00	0.05
Bonita	1/29/1980	4:00	0.05
Bonita	1/29/1980	5:00	0.05
Bonita	1/29/1980	7:00	0.03
Bonita	1/29/1980	8:00	0.01
Bonita	1/29/1980	10:00	0.03
Bonita	1/29/1980	11:00	0.18
Bonita	1/29/1980	12:00	0.12
Bonita	1/29/1980	13:00	0.02
Bonita	1/29/1980	14:00	0.02
Bonita	1/29/1980	17:00	0.23
Bonita	1/29/1980	18:00	0.15
Bonita	1/29/1980	19:00	0.2
Bonita	1/29/1980	20:00	0.3
Bonita	1/29/1980	21:00	0.1
Bonita	1/29/1980	22:00	0.06
Bonita	1/29/1980	23:00	0.03
Bonita	1/30/1980	1:00	0.12
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Bonita	1/30/1980	5:00	0.01
Bonita	1/30/1980	11:00	0.17
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Bonita	1/30/1980	13:00	0.02
Bonita	1/30/1980	15:00	0.01
Bonita	1/30/1980	16:00	0.01
Bonita	1/30/1980	18:00	0.01
Bonita	2/13/1980	6:00	0.02
Bonita	2/13/1980	9:00	0.02
Bonita	2/13/1980	11:00	0.03
Bonita	2/13/1980	13:00	0.07
Bonita	2/13/1980	14:00	0.05
Bonita	2/13/1980	24:00	0.1
Bonita	2/14/1980	1:00	0.07
Bonita	2/14/1980	3:00	0.08
Bonita	2/14/1980	4:00	0.08
Bonita	2/14/1980	6:00	0.04
Bonita	2/14/1980	15:00	0.03
Bonita	2/14/1980	20:00	0.01
Bonita	2/15/1980	6:00	0.03
Bonita	2/15/1980	7:00	0.02
Bonita	2/15/1980	14:00	0.02
Bonita	2/15/1980	20:00	0.02
Bonita	2/16/1980	8:00	0.02
Bonita	2/16/1980	10:00	0.01
Bonita	2/16/1980	11:00	0.02
Bonita	2/16/1980	12:00	0.03
Bonita	2/16/1980	14:00	0.01
Bonita	2/16/1980	16:00	0.02
Bonita	2/16/1980	17:00	0.02
Bonita	2/16/1980	18:00	0.09

Bonita	2/16/1980	19:00	0.08
Bonita	2/16/1980	20:00	0.05
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Bonita	2/19/1980	12:00	0.1
Bonita	2/19/1980	13:00	0.1
Bonita	2/19/1980	14:00	0.1
Bonita	2/19/1980	16:00	0.2
Bonita	2/19/1980	23:00	0.3
Bonita	2/20/1980	16:00	0.02
Bonita	2/20/1980	17:00	0.2
Bonita	2/20/1980	18:00	0.25
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Bonita	2/20/1980	21:00	0.01
Bonita	2/21/1980	1:00	0.04
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Bonita	2/21/1980	11:00	0.05
Bonita	2/21/1980	18:00	0.01
Bonita	2/22/1980	2:00	0.04
Bonita	2/22/1980	4:00	0.01
Bonita	3/2/1980	20:00	0.03
Bonita	3/2/1980	22:00	0.03
Bonita	3/2/1980	23:00	0.12
Bonita	3/2/1980	24:00	0.03
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Bonita	3/3/1980	10:00	0.04
Bonita	3/3/1980	11:00	0.01
Bonita	3/3/1980	16:00	0.01
Bonita	3/3/1980	22:00	0.01
Bonita	3/6/1980	2:00	0.1
Bonita	3/6/1980	3:00	0.25
Bonita	3/6/1980	4:00	0.25
Bonita	3/6/1980	5:00	0.25
Bonita	3/6/1980	6:00	0.2
Bonita	3/6/1980	7:00	0.2
Bonita	3/6/1980	9:00	0.01
Bonita	3/6/1980	10:00	0.07
Bonita	3/6/1980	11:00	0.02
Bonita	3/6/1980	13:00	0.05
Bonita	3/6/1980	14:00	0.02
Bonita	3/6/1980	18:00	0.01
Bonita	3/6/1980	19:00	0.03
Bonita	3/10/1980	13:00	0.2
Bonita	3/10/1980	14:00	0.35
Bonita	3/10/1980	15:00	0.2
Bonita	3/10/1980	16:00	0.07
Bonita	3/10/1980	17:00	0.01

Bonita	3/10/1980	18:00	0.03
Bonita	3/10/1980	19:00	0.02
Bonita	3/10/1980	20:00	0.02
Bonita	3/10/1980	21:00	0.06
Bonita	3/11/1980	6:00	0.01
Bonita	3/11/1980	7:00	0.01
Bonita	3/11/1980	10:00	0.03
Bonita	3/11/1980	11:00	0.01
Bonita	3/11/1980	18:00	0.01
Bonita	3/18/1980	14:00	0.02
Bonita	3/18/1980	18:00	0.01
Bonita	3/18/1980	22:00	0.02
Bonita	3/18/1980	23:00	0.04
Bonita	3/18/1980	24:00	0.04
Bonita	3/19/1980	6:00	0.01
Bonita	3/21/1980	19:00	0.08
Bonita	3/21/1980	20:00	0.04
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Bonita	3/21/1980	24:00	0.05
Bonita	3/22/1980	1:00	0.01
Bonita	3/22/1980	6:00	0.01
Bonita	3/25/1980	22:00	0.1
Bonita	3/25/1980	23:00	0.25
Bonita	3/25/1980	24:00	0.05
Bonita	3/26/1980	2:00	0.01
Bonita	3/26/1980	6:00	0.01
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Bonita	4/1/1980	11:00	0.1
Bonita	4/1/1980	12:00	0.06
Bonita	4/1/1980	19:00	0.01
Bonita	4/1/1980	20:00	0.01
Bonita	4/1/1980	21:00	0.01
Bonita	4/1/1980	23:00	0.02
Bonita	4/2/1980	1:00	0.01
Bonita	4/6/1980	2:00	0.02
Bonita	4/6/1980	5:00	0.01
Bonita	4/21/1980	4:00	0.03
Bonita	4/21/1980	6:00	0.01
Bonita	4/22/1980	15:00	0.01
Bonita	4/22/1980	16:00	0.02
Bonita	4/22/1980	17:00	0.02
Bonita	4/22/1980	18:00	0.01
Bonita	4/22/1980	19:00	0.01
Bonita	4/22/1980	23:00	0.04
Bonita	4/23/1980	4:00	0.16
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Bonita	4/23/1980	8:00	0.01
Bonita	4/28/1980	14:00	0.05
Bonita	4/28/1980	16:00	0.01
Bonita	4/28/1980	17:00	0.05

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Bonita	4/28/1980	19:00	0.1
Bonita	4/28/1980	22:00	0.1
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Bonita	4/29/1980	11:00	0.01
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Bonita	5/1/1980	18:00	0.02
Bonita	5/1/1980	19:00	0.05
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Bonita	5/1/1980	21:00	0.1
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Bonita	5/2/1980	4:00	0.01
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Bonita	10/26/1980	7:00	0.05
Bonita	10/26/1980	18:00	0.01
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Bonita	12/4/1980	15:00	0.11
Bonita	12/4/1980	16:00	0.1
Bonita	12/4/1980	18:00	0.03
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Bonita	12/4/1980	23:00	0.01

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Bonita	12/5/1980	4:00	0.07
Bonita	1/11/1981	2:00	0.05
Bonita	1/11/1981	3:00	0.01
Bonita	1/11/1981	4:00	0.02
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Bonita	1/11/1981	10:00	0.01
Bonita	1/11/1981	11:00	0.04
Bonita	1/11/1981	18:00	0.01
Bonita	1/11/1981	19:00	0.02
Bonita	1/11/1981	20:00	0.04
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Bonita	1/12/1981	18:00	0.01
Bonita	1/12/1981	19:00	0.01
Bonita	1/12/1981	22:00	0.01
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Bonita	1/28/1981	9:00	0.05
Bonita	1/28/1981	17:00	0.02
Bonita	1/28/1981	20:00	0.01
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Bonita	1/29/1981	19:00	0.07
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Bonita	1/29/1981	23:00	0.01
Bonita	1/30/1981	1:00	0.04
Bonita	1/30/1981	10:00	0.02
Bonita	1/30/1981	23:00	0.05
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Bonita	1/31/1981	4:00	0.01
Bonita	1/31/1981	7:00	0.01
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Bonita	2/8/1981	18:00	0.04
Bonita	2/8/1981	19:00	0.01
Bonita	2/8/1981	21:00	0.05
Bonita	2/8/1981	22:00	0.15
Bonita	2/8/1981	23:00	0.1
Bonita	2/8/1981	24:00	0.01
Bonita	2/9/1981	1:00	0.04
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Bonita	2/9/1981	3:00	0.02
Bonita	2/9/1981	4:00	0.02
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Bonita	2/9/1981	6:00	0.05
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Bonita	2/25/1981	21:00	0.3
Bonita	2/25/1981	22:00	0.05
Bonita	2/25/1981	24:00	0.04
Bonita	2/26/1981	1:00	0.01
Bonita	2/28/1981	10:00	0.01
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Bonita	2/28/1981	17:00	0.01
Bonita	2/28/1981	18:00	0.04
Bonita	3/1/1981	2:00	0.05
Bonita	3/1/1981	4:00	0.25
Bonita	3/1/1981	5:00	0.15
Bonita	3/1/1981	6:00	0.15
Bonita	3/1/1981	9:00	0.09
Bonita	3/1/1981	11:00	0.01
Bonita	3/1/1981	12:00	0.35
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Bonita	3/1/1981	16:00	0.07
Bonita	3/1/1981	17:00	0.01
Bonita	3/1/1981	22:00	0.08
Bonita	3/1/1981	23:00	0.01
Bonita	3/2/1981	4:00	0.03
Bonita	3/2/1981	5:00	0.02
Bonita	3/2/1981	6:00	0.01
Bonita	3/2/1981	10:00	0.01
Bonita	3/4/1981	1:00	0.01
Bonita	3/4/1981	5:00	0.01
Bonita	3/5/1981	2:00	0.25
Bonita	3/5/1981	3:00	0.1
Bonita	3/5/1981	6:00	0.15
Bonita	3/5/1981	7:00	0.25
Bonita	3/5/1981	8:00	0.14
Bonita	3/5/1981	10:00	0.05
Bonita	3/5/1981	11:00	0.01
Bonita	3/5/1981	13:00	0.04
Bonita	3/5/1981	17:00	0.05
Bonita	3/5/1981	19:00	0.06
Bonita	3/5/1981	23:00	0.01
Bonita	3/6/1981	1:00	0.02
Bonita	3/6/1981	2:00	0.04
Bonita	3/6/1981	3:00	0.01
Bonita	3/6/1981	4:00	0.01
Bonita	3/13/1981	20:00	0.07
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Bonita	3/13/1981	22:00	0.01
Bonita	3/13/1981	24:00	0.08

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Bonita	3/19/1981	20:00	0.05
Bonita	3/19/1981	21:00	0.2
Bonita	3/19/1981	22:00	0.25
Bonita	3/19/1981	23:00	0.01
Bonita	3/20/1981	4:00	0.03
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Bonita	3/26/1981	11:00	0.04
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Bonita	3/26/1981	23:00	0.05
Bonita	3/27/1981	2:00	0.01
Bonita	3/27/1981	5:00	0.1
Bonita	3/27/1981	6:00	0.3
Bonita	3/27/1981	7:00	0.1
Bonita	3/27/1981	10:00	0.02
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Bonita	3/28/1981	1:00	0.01
Bonita	3/28/1981	2:00	0.01
Bonita	4/18/1981	10:00	0.04
Bonita	4/18/1981	11:00	0.01
Bonita	4/18/1981	17:00	0.03
Bonita	4/18/1981	18:00	0.01
Bonita	4/18/1981	21:00	0.03
Bonita	4/18/1981	23:00	0.01
Bonita	4/19/1981	5:00	0.01
Bonita	4/19/1981	6:00	0.06
Bonita	4/19/1981	8:00	0.01
Bonita	5/15/1981	23:00	0.01
Bonita	5/16/1981	1:00	0.01
Bonita	5/16/1981	2:00	0.01
Bonita	5/16/1981	3:00	0.01
Bonita	5/16/1981	4:00	0.01
Bonita	5/16/1981	6:00	0.01
Bonita	5/16/1981	8:00	0.01
Bonita	5/19/1981	10:00	0.01
Bonita	5/27/1981	1:00	0.01
Bonita	5/27/1981	2:00	0.01
Bonita	5/27/1981	6:00	0.01
Bonita	5/27/1981	7:00	0.02
Bonita	9/30/1981	20:00	0.05
Bonita	10/1/1981	2:00	0.01
Bonita	10/2/1981	20:00	0.01
Bonita	10/3/1981	6:00	0.04
Bonita	10/11/1981	8:00	0.04
Bonita	10/11/1981	9:00	0.05
Bonita	10/11/1981	10:00	0.01
Bonita	10/11/1981	23:00	0.01
Bonita	10/28/1981	20:00	0.01

Bonita	10/28/1981	23:00	0.07
Bonita	10/28/1981	24:00	0.03
Bonita	10/29/1981	1:00	0.01
Bonita	11/26/1981	12:00	0.01
Bonita	11/26/1981	18:00	0.04
Bonita	11/26/1981	20:00	0.01
Bonita	11/26/1981	22:00	0.01
Bonita	11/26/1981	23:00	0.05
Bonita	11/27/1981	1:00	0.25
Bonita	11/27/1981	2:00	0.05
Bonita	11/28/1981	6:00	0.02
Bonita	11/28/1981	7:00	0.12
Bonita	11/28/1981	8:00	0.08
Bonita	11/28/1981	9:00	0.07
Bonita	11/28/1981	14:00	0.01
Bonita	11/28/1981	20:00	0.05
Bonita	11/28/1981	23:00	0.05
Bonita	11/29/1981	1:00	0.15
Bonita	11/29/1981	2:00	0.1
Bonita	11/29/1981	6:00	0.02
Bonita	11/29/1981	10:00	0.01
Bonita	12/21/1981	2:00	0.02
Bonita	12/21/1981	3:00	0.01
Bonita	12/21/1981	4:00	0.02
Bonita	12/21/1981	8:00	0.01
Bonita	12/23/1981	16:00	0.01
Bonita	12/23/1981	18:00	0.01
Bonita	12/30/1981	8:00	0.01
Bonita	12/30/1981	9:00	0.05
Bonita	12/30/1981	10:00	0.05
Bonita	12/30/1981	11:00	0.15
Bonita	12/30/1981	12:00	0.05
Bonita	12/30/1981	13:00	0.03
Bonita	12/30/1981	14:00	0.02
Bonita	12/30/1981	15:00	0.05
Bonita	12/30/1981	18:00	0.07
Bonita	12/30/1981	19:00	0.01
Bonita	12/31/1981	1:00	0.02
Bonita	12/31/1981	2:00	0.02
Bonita	12/31/1981	3:00	0.03
Bonita	12/31/1981	4:00	0.06
Bonita	12/31/1981	8:00	0.01
Bonita	1/1/1982	3:00	0.02
Bonita	1/1/1982	6:00	0.01
Bonita	1/1/1982	7:00	0.01
Bonita	1/1/1982	9:00	0.07
Bonita	1/1/1982	10:00	0.03
Bonita	1/1/1982	11:00	0.25
Bonita	1/1/1982	12:00	0.1
Bonita	1/1/1982	13:00	0.05

Bonita	1/1/1982	14:00	0.01
Bonita	1/2/1982	8:00	0.05
Bonita	1/2/1982	9:00	0.04
Bonita	1/2/1982	10:00	0.07
Bonita	1/2/1982	11:00	0.05
Bonita	1/2/1982	12:00	0.01
Bonita	1/2/1982	13:00	0.03
Bonita	1/5/1982	4:00	0.01
Bonita	1/5/1982	7:00	0.01
Bonita	1/5/1982	8:00	0.03
Bonita	1/5/1982	9:00	0.01
Bonita	1/10/1982	17:00	0.04
Bonita	1/10/1982	18:00	0.09
Bonita	1/10/1982	19:00	0.01
Bonita	1/10/1982	20:00	0.01
Bonita	1/10/1982	22:00	0.03
Bonita	1/10/1982	23:00	0.15
Bonita	1/20/1982	5:00	0.02
Bonita	1/20/1982	6:00	0.01
Bonita	1/20/1982	8:00	0.01
Bonita	1/20/1982	12:00	0.05
Bonita	1/20/1982	13:00	0.04
Bonita	1/20/1982	14:00	0.01
Bonita	1/20/1982	16:00	0.02
Bonita	1/20/1982	17:00	0.27
Bonita	1/20/1982	21:00	0.05
Bonita	1/20/1982	22:00	0.07
Bonita	1/20/1982	24:00	0.3
Bonita	1/21/1982	1:00	0.05
Bonita	1/21/1982	2:00	0.1
Bonita	1/21/1982	3:00	0.05
Bonita	1/21/1982	4:00	0.03
Bonita	1/21/1982	5:00	0.02
Bonita	1/21/1982	6:00	0.05
Bonita	1/21/1982	7:00	0.08
Bonita	1/21/1982	8:00	0.01
Bonita	1/21/1982	10:00	0.01
Bonita	1/21/1982	14:00	0.03
Bonita	1/28/1982	18:00	0.38
Bonita	1/28/1982	19:00	0.04
Bonita	1/28/1982	23:00	0.05
Bonita	1/29/1982	2:00	0.13
Bonita	1/29/1982	4:00	0.01
Bonita	2/9/1982	17:00	0.05
Bonita	2/9/1982	18:00	0.1
Bonita	2/9/1982	19:00	0.05
Bonita	2/9/1982	20:00	0.03
Bonita	2/9/1982	21:00	0.01
Bonita	2/10/1982	4:00	0.01
Bonita	2/10/1982	7:00	0.05

Bonita	2/10/1982	9:00	0.01
Bonita	2/10/1982	11:00	0.01
Bonita	2/10/1982	15:00	0.09
Bonita	2/10/1982	16:00	0.01
Bonita	2/10/1982	17:00	0.04
Bonita	2/10/1982	18:00	0.07
Bonita	2/10/1982	19:00	0.03
Bonita	2/10/1982	23:00	0.02
Bonita	2/11/1982	1:00	0.03
Bonita	2/11/1982	2:00	0.01
Bonita	3/2/1982	15:00	0.06
Bonita	3/2/1982	16:00	0.04
Bonita	3/11/1982	7:00	0.02
Bonita	3/11/1982	8:00	0.04
Bonita	3/11/1982	9:00	0.04
Bonita	3/11/1982	15:00	0.01
Bonita	3/12/1982	1:00	0.08
Bonita	3/12/1982	2:00	0.01
Bonita	3/12/1982	3:00	0.01
Bonita	3/12/1982	17:00	0.03
Bonita	3/14/1982	2:00	0.01
Bonita	3/14/1982	3:00	0.02
Bonita	3/14/1982	4:00	0.02
Bonita	3/14/1982	9:00	0.05
Bonita	3/14/1982	12:00	0.01
Bonita	3/14/1982	14:00	0.15
Bonita	3/14/1982	15:00	0.15
Bonita	3/14/1982	16:00	0.1
Bonita	3/14/1982	17:00	0.17
Bonita	3/14/1982	18:00	0.02
Bonita	3/14/1982	19:00	0.01
Bonita	3/14/1982	20:00	0.05
Bonita	3/15/1982	1:00	0.05
Bonita	3/15/1982	2:00	0.05
Bonita	3/15/1982	3:00	0.11
Bonita	3/15/1982	8:00	0.01
Bonita	3/16/1982	6:00	0.01
Bonita	3/16/1982	7:00	0.01
Bonita	3/16/1982	18:00	0.01
Bonita	3/16/1982	19:00	0.02
Bonita	3/16/1982	20:00	0.01
Bonita	3/16/1982	21:00	0.01
Bonita	3/16/1982	23:00	0.05
Bonita	3/16/1982	24:00	0.05
Bonita	3/17/1982	1:00	0.2
Bonita	3/17/1982	2:00	0.02
Bonita	3/17/1982	3:00	0.02
Bonita	3/17/1982	4:00	0.01
Bonita	3/17/1982	6:00	0.03
Bonita	3/17/1982	7:00	0.03

Bonita	3/17/1982	8:00	0.04
Bonita	3/17/1982	9:00	0.05
Bonita	3/17/1982	10:00	0.02
Bonita	3/17/1982	13:00	0.01
Bonita	3/17/1982	14:00	0.01
Bonita	3/17/1982	16:00	0.01
Bonita	3/17/1982	17:00	0.01
Bonita	3/17/1982	18:00	0.2
Bonita	3/17/1982	19:00	0.25
Bonita	3/17/1982	20:00	0.15
Bonita	3/17/1982	21:00	0.15
Bonita	3/17/1982	22:00	0.15
Bonita	3/17/1982	23:00	0.13
Bonita	3/18/1982	1:00	0.15
Bonita	3/18/1982	2:00	0.05
Bonita	3/18/1982	3:00	0.18
Bonita	3/18/1982	6:00	0.04
Bonita	3/18/1982	7:00	0.01
Bonita	3/18/1982	10:00	0.01
Bonita	3/18/1982	21:00	0.02
Bonita	3/19/1982	2:00	0.01
Bonita	3/25/1982	17:00	0.01
Bonita	3/25/1982	20:00	0.02
Bonita	3/25/1982	21:00	0.04
Bonita	3/25/1982	22:00	0.03
Bonita	3/25/1982	23:00	0.02
Bonita	3/25/1982	24:00	0.06
Bonita	3/26/1982	1:00	0.03
Bonita	3/26/1982	2:00	0.01
Bonita	3/26/1982	4:00	0.01
Bonita	3/26/1982	5:00	0.04
Bonita	3/26/1982	6:00	0.01
Bonita	3/26/1982	7:00	0.01
Bonita	3/26/1982	9:00	0.01
Bonita	3/28/1982	23:00	0.02
Bonita	3/28/1982	24:00	0.03
Bonita	3/29/1982	3:00	0.01
Bonita	3/29/1982	5:00	0.04
Bonita	3/29/1982	6:00	0.03
Bonita	3/29/1982	7:00	0.01
Bonita	3/29/1982	18:00	0.01
Bonita	3/29/1982	22:00	0.02
Bonita	3/29/1982	23:00	0.01
Bonita	3/30/1982	2:00	0.14
Bonita	3/30/1982	3:00	0.01
Bonita	4/1/1982	7:00	0.01
Bonita	4/1/1982	8:00	0.02
Bonita	4/1/1982	9:00	0.02
Bonita	4/1/1982	10:00	0.05
Bonita	4/1/1982	11:00	0.05

Bonita	4/1/1982	12:00	0.45
Bonita	4/1/1982	13:00	0.1
Bonita	4/1/1982	14:00	0.01
Bonita	4/1/1982	18:00	0.08
Bonita	4/1/1982	21:00	0.01
Bonita	9/8/1982	13:00	0.02
Bonita	9/16/1982	1:00	0.01
Bonita	9/16/1982	11:00	0.04
Bonita	9/16/1982	12:00	0.02
Bonita	9/16/1982	13:00	0.04
Bonita	9/17/1982	5:00	0.04
Bonita	9/17/1982	8:00	0.01
Bonita	9/17/1982	18:00	0.01
Bonita	9/26/1982	4:00	0.02
Bonita	9/26/1982	5:00	0.03
Bonita	9/26/1982	6:00	0.01
Bonita	9/26/1982	9:00	0.01
Bonita	9/26/1982	10:00	0.01
Bonita	9/26/1982	11:00	0.02
Bonita	9/26/1982	12:00	0.02
Bonita	9/26/1982	13:00	0.04
Bonita	9/26/1982	14:00	0.02
Bonita	9/26/1982	16:00	0.01
Bonita	9/26/1982	18:00	0.05
Bonita	10/25/1982	16:00	0.01
Bonita	10/25/1982	17:00	0.02
Bonita	10/25/1982	18:00	0.02
Bonita	10/25/1982	20:00	0.01
Bonita	10/26/1982	14:00	0.04
Bonita	10/26/1982	18:00	0.03
Bonita	10/26/1982	19:00	0.01
Bonita	11/9/1982	7:00	0.02
Bonita	11/9/1982	8:00	0.02
Bonita	11/9/1982	10:00	0.01
Bonita	11/9/1982	13:00	0.05
Bonita	11/9/1982	15:00	0.05
Bonita	11/9/1982	16:00	0.04
Bonita	11/9/1982	17:00	0.06
Bonita	11/9/1982	18:00	0.07
Bonita	11/9/1982	19:00	0.05
Bonita	11/9/1982	20:00	0.02
Bonita	11/9/1982	21:00	0.03
Bonita	11/9/1982	22:00	0.05
Bonita	11/10/1982	2:00	0.15
Bonita	11/10/1982	3:00	0.03
Bonita	11/10/1982	4:00	0.09
Bonita	11/10/1982	7:00	0.03
Bonita	11/10/1982	8:00	0.03
Bonita	11/10/1982	9:00	0.12
Bonita	11/10/1982	10:00	0.3

Bonita	11/10/1982 11:00	0.05
Bonita	11/10/1982 13:00	0.05
Bonita	11/10/1982 19:00	0.05
Bonita	11/10/1982 20:00	0.02
Bonita	11/19/1982 2:00	0.01
Bonita	11/19/1982 4:00	0.02
Bonita	11/19/1982 7:00	0.06
Bonita	11/19/1982 8:00	0.04
Bonita	11/19/1982 9:00	0.11
Bonita	11/19/1982 10:00	0.01
Bonita	11/19/1982 17:00	0.01
Bonita	11/19/1982 18:00	0.01
Bonita	11/28/1982 18:00	0.01
Bonita	11/28/1982 19:00	0.02
Bonita	11/28/1982 21:00	0.02
Bonita	11/29/1982 1:00	0.13
Bonita	11/29/1982 2:00	0.01
Bonita	11/29/1982 4:00	0.01
Bonita	11/29/1982 13:00	0.01
Bonita	11/29/1982 14:00	0.04
Bonita	11/29/1982 15:00	0.01
Bonita	11/29/1982 17:00	0.1
Bonita	11/29/1982 18:00	0.01
Bonita	11/29/1982 23:00	0.02
Bonita	11/30/1982 3:00	0.02
Bonita	11/30/1982 10:00	0.06
Bonita	11/30/1982 11:00	0.09
Bonita	11/30/1982 12:00	0.12
Bonita	11/30/1982 13:00	0.05
Bonita	11/30/1982 14:00	0.01
Bonita	11/30/1982 17:00	0.02
Bonita	11/30/1982 20:00	0.04
Bonita	11/30/1982 22:00	0.01
Bonita	11/30/1982 23:00	0.05
Bonita	12/1/1982 16:00	0.02
Bonita	12/7/1982 21:00	0.04
Bonita	12/7/1982 22:00	0.01
Bonita	12/8/1982 10:00	0.05
Bonita	12/8/1982 11:00	0.05
Bonita	12/8/1982 12:00	0.08
Bonita	12/8/1982 13:00	0.01
Bonita	12/9/1982 3:00	0.01
Bonita	12/9/1982 6:00	0.05
Bonita	12/9/1982 7:00	0.1
Bonita	12/9/1982 8:00	0.06
Bonita	12/9/1982 9:00	0.02
Bonita	12/9/1982 10:00	0.01
Bonita	12/9/1982 15:00	0.02
Bonita	12/9/1982 16:00	0.05
Bonita	12/9/1982 17:00	0.04

Bonita	12/9/1982	18:00	0.09
Bonita	12/9/1982	19:00	0.02
Bonita	12/9/1982	21:00	0.05
Bonita	12/9/1982	22:00	0.03
Bonita	12/9/1982	23:00	0.01
Bonita	12/22/1982	15:00	0.01
Bonita	12/22/1982	16:00	0.01
Bonita	12/22/1982	20:00	0.01
Bonita	12/22/1982	21:00	0.02
Bonita	12/22/1982	22:00	0.01
Bonita	12/22/1982	24:00	0.2
Bonita	12/23/1982	1:00	0.02
Bonita	12/29/1982	19:00	0.04
Bonita	12/29/1982	20:00	0.01
Bonita	12/29/1982	21:00	0.1
Bonita	12/29/1982	22:00	0.08
Bonita	1/17/1983	4:00	0.06
Bonita	1/17/1983	5:00	0.01
Bonita	1/17/1983	8:00	0.01
Bonita	1/19/1983	5:00	0.05
Bonita	1/19/1983	6:00	0.05
Bonita	1/19/1983	7:00	0.01
Bonita	1/19/1983	8:00	0.07
Bonita	1/19/1983	10:00	0.02
Bonita	1/22/1983	22:00	0.02
Bonita	1/23/1983	1:00	0.05
Bonita	1/23/1983	2:00	0.01
Bonita	1/23/1983	4:00	0.01
Bonita	1/23/1983	6:00	0.01
Bonita	1/24/1983	18:00	0.05
Bonita	1/24/1983	19:00	0.01
Bonita	1/24/1983	20:00	0.03
Bonita	1/24/1983	22:00	0.01
Bonita	1/25/1983	2:00	0.01
Bonita	1/25/1983	8:00	0.01
Bonita	1/27/1983	7:00	0.19
Bonita	1/27/1983	8:00	0.21
Bonita	1/27/1983	9:00	0.05
Bonita	1/27/1983	10:00	0.02
Bonita	1/27/1983	12:00	0.08
Bonita	1/27/1983	13:00	0.05
Bonita	1/28/1983	16:00	0.01
Bonita	1/28/1983	20:00	0.01
Bonita	1/28/1983	23:00	0.05
Bonita	1/29/1983	1:00	0.3
Bonita	1/29/1983	2:00	0.07
Bonita	1/29/1983	4:00	0.12
Bonita	1/29/1983	6:00	0.01
Bonita	2/2/1983	7:00	0.03
Bonita	2/2/1983	8:00	0.03

Bonita	2/2/1983	9:00	0.07
Bonita	2/2/1983	13:00	0.15
Bonita	2/2/1983	14:00	0.15
Bonita	2/2/1983	15:00	0.25
Bonita	2/2/1983	16:00	0.15
Bonita	2/2/1983	17:00	0.02
Bonita	2/2/1983	20:00	0.05
Bonita	2/3/1983	10:00	0.01
Bonita	2/3/1983	12:00	0.03
Bonita	2/4/1983	1:00	0.05
Bonita	2/4/1983	2:00	0.12
Bonita	2/4/1983	4:00	0.01
Bonita	2/4/1983	8:00	0.02
Bonita	2/4/1983	10:00	0.02
Bonita	2/4/1983	12:00	0.03
Bonita	2/5/1983	8:00	0.01
Bonita	2/5/1983	13:00	0.02
Bonita	2/5/1983	16:00	0.02
Bonita	2/5/1983	18:00	0.01
Bonita	2/5/1983	20:00	0.01
Bonita	2/5/1983	24:00	0.02
Bonita	2/6/1983	1:00	0.02
Bonita	2/6/1983	8:00	0.01
Bonita	2/7/1983	2:00	0.02
Bonita	2/7/1983	3:00	0.02
Bonita	2/7/1983	4:00	0.01
Bonita	2/7/1983	5:00	0.01
Bonita	2/7/1983	6:00	0.04
Bonita	2/7/1983	7:00	0.02
Bonita	2/7/1983	10:00	0.01
Bonita	2/7/1983	16:00	0.01
Bonita	2/7/1983	21:00	0.01
Bonita	2/7/1983	22:00	0.03
Bonita	2/8/1983	2:00	0.1
Bonita	2/8/1983	4:00	0.06
Bonita	2/8/1983	7:00	0.15
Bonita	2/8/1983	8:00	0.02
Bonita	2/8/1983	10:00	0.01
Bonita	2/24/1983	1:00	0.05
Bonita	2/24/1983	2:00	0.01
Bonita	2/24/1983	5:00	0.01
Bonita	2/24/1983	6:00	0.02
Bonita	2/24/1983	7:00	0.1
Bonita	2/24/1983	8:00	0.11
Bonita	2/24/1983	9:00	0.04
Bonita	2/24/1983	10:00	0.03
Bonita	2/24/1983	11:00	0.12
Bonita	2/24/1983	12:00	0.1
Bonita	2/24/1983	13:00	0.02
Bonita	2/24/1983	15:00	0.03

Bonita	2/24/1983	17:00	0.03
Bonita	2/24/1983	18:00	0.03
Bonita	2/24/1983	19:00	0.01
Bonita	2/24/1983	22:00	0.02
Bonita	2/24/1983	23:00	0.01
Bonita	2/26/1983	12:00	0.01
Bonita	2/26/1983	13:00	0.01
Bonita	2/26/1983	16:00	0.14
Bonita	2/26/1983	17:00	0.01
Bonita	2/26/1983	20:00	0.01
Bonita	2/26/1983	23:00	0.01
Bonita	2/27/1983	3:00	0.02
Bonita	2/27/1983	7:00	0.05
Bonita	2/27/1983	8:00	0.05
Bonita	2/27/1983	17:00	0.1
Bonita	2/27/1983	18:00	0.12
Bonita	2/27/1983	19:00	0.05
Bonita	2/27/1983	20:00	0.11
Bonita	2/27/1983	21:00	0.01
Bonita	2/27/1983	24:00	0.13
Bonita	2/28/1983	1:00	0.03
Bonita	2/28/1983	2:00	0.01
Bonita	2/28/1983	6:00	0.02
Bonita	2/28/1983	7:00	0.02
Bonita	2/28/1983	11:00	0.01
Bonita	2/28/1983	12:00	0.15
Bonita	2/28/1983	13:00	0.02
Bonita	3/1/1983	9:00	0.05
Bonita	3/1/1983	15:00	0.15
Bonita	3/1/1983	16:00	1.1
Bonita	3/1/1983	17:00	0.25
Bonita	3/1/1983	18:00	0.1
Bonita	3/2/1983	1:00	0.05
Bonita	3/2/1983	2:00	0.02
Bonita	3/2/1983	5:00	0.03
Bonita	3/2/1983	6:00	0.01
Bonita	3/2/1983	11:00	0.01
Bonita	3/2/1983	15:00	0.35
Bonita	3/2/1983	16:00	0.2
Bonita	3/2/1983	17:00	0.15
Bonita	3/2/1983	18:00	0.2
Bonita	3/2/1983	19:00	0.1
Bonita	3/2/1983	20:00	0.15
Bonita	3/2/1983	21:00	0.15
Bonita	3/2/1983	22:00	0.07
Bonita	3/2/1983	24:00	0.03
Bonita	3/3/1983	2:00	0.01
Bonita	3/3/1983	4:00	0.09
Bonita	3/3/1983	6:00	0.01
Bonita	3/3/1983	7:00	0.05

Bonita	3/3/1983	8:00	0.05
Bonita	3/3/1983	9:00	0.02
Bonita	3/3/1983	10:00	0.03
Bonita	3/3/1983	12:00	0.08
Bonita	3/3/1983	15:00	0.02
Bonita	3/3/1983	16:00	0.01
Bonita	3/3/1983	18:00	0.02
Bonita	3/3/1983	19:00	0.02
Bonita	3/4/1983	3:00	0.05
Bonita	3/4/1983	4:00	0.02
Bonita	3/4/1983	5:00	0.02
Bonita	3/4/1983	6:00	0.02
Bonita	3/4/1983	8:00	0.13
Bonita	3/4/1983	9:00	0.02
Bonita	3/4/1983	10:00	0.2
Bonita	3/4/1983	11:00	0.04
Bonita	3/4/1983	14:00	0.03
Bonita	3/5/1983	2:00	0.01
Bonita	3/5/1983	23:00	0.01
Bonita	3/6/1983	2:00	0.02
Bonita	3/6/1983	3:00	0.02
Bonita	3/6/1983	19:00	0.01
Bonita	3/7/1983	18:00	0.02
Bonita	3/14/1983	2:00	0.03
Bonita	3/14/1983	3:00	0.03
Bonita	3/14/1983	4:00	0.04
Bonita	3/14/1983	5:00	0.01
Bonita	3/17/1983	1:00	0.02
Bonita	3/17/1983	2:00	0.06
Bonita	3/17/1983	4:00	0.02
Bonita	3/17/1983	5:00	0.02
Bonita	3/17/1983	6:00	0.1
Bonita	3/17/1983	7:00	0.03
Bonita	3/17/1983	16:00	0.08
Bonita	3/17/1983	20:00	0.02
Bonita	3/17/1983	21:00	0.06
Bonita	3/17/1983	22:00	0.02
Bonita	3/18/1983	2:00	0.15
Bonita	3/18/1983	4:00	0.06
Bonita	3/18/1983	5:00	0.04
Bonita	3/18/1983	6:00	0.09
Bonita	3/18/1983	8:00	0.01
Bonita	3/18/1983	13:00	0.16
Bonita	3/18/1983	14:00	0.02
Bonita	3/18/1983	18:00	0.11
Bonita	3/18/1983	19:00	0.01
Bonita	3/18/1983	23:00	0.43
Bonita	3/21/1983	4:00	0.05
Bonita	3/21/1983	5:00	0.45
Bonita	3/21/1983	8:00	0.03

Bonita	3/21/1983	11:00	0.07
Bonita	3/21/1983	15:00	0.03
Bonita	3/22/1983	19:00	0.05
Bonita	3/22/1983	20:00	0.05
Bonita	3/22/1983	21:00	0.04
Bonita	3/22/1983	22:00	0.03
Bonita	3/22/1983	24:00	0.05
Bonita	3/24/1983	4:00	0.7
Bonita	3/24/1983	5:00	0.05
Bonita	3/24/1983	6:00	0.12
Bonita	3/24/1983	15:00	0.03
Bonita	3/24/1983	16:00	0.09
Bonita	3/24/1983	18:00	0.04
Bonita	3/24/1983	20:00	0.04
Bonita	3/24/1983	23:00	0.01
Bonita	3/28/1983	8:00	0.05
Bonita	4/5/1983	18:00	0.02
Bonita	4/5/1983	19:00	0.02
Bonita	4/5/1983	20:00	0.01
Bonita	4/12/1983	4:00	0.02
Bonita	4/12/1983	5:00	0.02
Bonita	4/12/1983	6:00	0.06
Bonita	4/12/1983	7:00	0.01
Bonita	4/17/1983	20:00	0.01
Bonita	4/17/1983	21:00	0.02
Bonita	4/17/1983	22:00	0.03
Bonita	4/17/1983	23:00	0.02
Bonita	4/18/1983	2:00	0.08
Bonita	4/18/1983	3:00	0.04
Bonita	4/19/1983	20:00	0.01
Bonita	4/19/1983	22:00	0.02
Bonita	4/19/1983	23:00	0.02
Bonita	4/20/1983	4:00	0.08
Bonita	4/20/1983	5:00	0.02
Bonita	4/20/1983	10:00	0.4
Bonita	4/20/1983	14:00	0.07
Bonita	4/20/1983	15:00	0.02
Bonita	4/20/1983	16:00	0.01
Bonita	4/20/1983	17:00	0.01
Bonita	4/20/1983	23:00	0.04
Bonita	4/21/1983	1:00	0.04
Bonita	4/21/1983	3:00	0.07
Bonita	4/21/1983	7:00	0.12
Bonita	4/21/1983	8:00	0.02
Bonita	4/21/1983	18:00	0.05
Bonita	4/21/1983	19:00	0.01
Bonita	4/29/1983	8:00	0.05
Bonita	4/29/1983	9:00	0.15
Bonita	4/29/1983	10:00	0.2
Bonita	4/29/1983	11:00	0.1

Bonita	4/29/1983	13:00	0.01
Bonita	4/30/1983	2:00	0.12
Bonita	4/30/1983	7:00	0.02
Bonita	4/30/1983	10:00	0.01
Bonita	6/9/1983	2:00	0.01
Bonita	6/9/1983	3:00	0.01
Bonita	6/9/1983	4:00	0.01
Bonita	6/9/1983	6:00	0.01
Bonita	8/14/1983	16:00	0.8
Bonita	8/14/1983	17:00	0.2
Bonita	8/18/1983	1:00	0.1
Bonita	8/18/1983	3:00	0.1
Bonita	8/18/1983	4:00	0.1
Bonita	8/18/1983	5:00	0.1
Bonita	8/18/1983	6:00	0.1
Bonita	8/18/1983	7:00	0.1
Bonita	10/1/1983	3:00	0.1
Bonita	10/7/1983	6:00	0.1
Bonita	10/7/1983	7:00	0.1
Bonita	11/12/1983	1:00	0.1
Bonita	11/12/1983	15:00	0.1
Bonita	11/12/1983	23:00	0.1
Bonita	11/18/1983	2:00	0.1
Bonita	11/20/1983	8:00	0.1
Bonita	11/20/1983	11:00	0.5
Bonita	11/20/1983	19:00	0.1
Bonita	11/21/1983	8:00	0.1
Bonita	11/21/1983	9:00	0.2
Bonita	11/24/1983	22:00	0.1
Bonita	11/24/1983	23:00	0.2
Bonita	11/24/1983	24:00	0.2
Bonita	11/25/1983	1:00	0.1
Bonita	11/25/1983	2:00	0.1
Bonita	12/1/1983	5:00	0.1
Bonita	12/3/1983	16:00	0.2
Bonita	12/3/1983	17:00	0.2
Bonita	12/3/1983	23:00	0.1
Bonita	12/9/1983	17:00	0.1
Bonita	12/9/1983	18:00	0.1
Bonita	12/24/1983	19:00	0.3
Bonita	12/25/1983	5:00	0.1
Bonita	12/25/1983	12:00	0.1
Bonita	12/25/1983	23:00	0.1
Bonita	12/26/1983	4:00	0.1
Bonita	12/27/1983	5:00	0.1
Bonita	12/27/1983	9:00	0.1
Bonita	1/4/1984	7:00	0.1
Bonita	1/4/1984	9:00	0.1
Bonita	1/16/1984	13:00	0.1
Bonita	1/16/1984	17:00	0.1

Bonita	3/31/1984	22:00	0.1
Bonita	4/6/1984	1:00	0.1
Bonita	4/6/1984	9:00	0.1
Bonita	4/19/1984	4:00	0.1
Bonita	4/27/1984	21:00	0.1
Bonita	7/14/1984	11:00	0.3
Bonita	10/17/1984	8:00	0.1
Bonita	10/17/1984	9:00	0.1
Bonita	10/27/1984	9:00	0.1
Bonita	11/8/1984	14:00	0.1
Bonita	11/16/1984	19:00	0.1
Bonita	11/16/1984	20:00	0.1
Bonita	11/16/1984	22:00	0.1
Bonita	11/16/1984	23:00	0.1
Bonita	11/18/1984	18:00	0.1
Bonita	11/21/1984	7:00	0.1
Bonita	11/21/1984	8:00	0.2
Bonita	11/22/1984	15:00	0.4
Bonita	11/22/1984	21:00	0.1
Bonita	11/23/1984	4:00	0.1
Bonita	11/23/1984	6:00	0.1
Bonita	11/24/1984	16:00	0.1
Bonita	11/24/1984	17:00	0.1
Bonita	11/24/1984	19:00	0.1
Bonita	11/24/1984	23:00	0.1
Bonita	12/3/1984	15:00	0.1
Bonita	12/3/1984	17:00	0.1
Bonita	12/7/1984	22:00	0.2
Bonita	12/7/1984	24:00	0.1
Bonita	12/8/1984	4:00	0.1
Bonita	12/10/1984	12:00	0.1
Bonita	12/10/1984	16:00	0.1
Bonita	12/10/1984	18:00	0.1
Bonita	12/10/1984	19:00	0.1
Bonita	12/11/1984	6:00	0.3
Bonita	12/11/1984	7:00	0.2
Bonita	12/11/1984	8:00	0.1
Bonita	12/11/1984	9:00	0.2
Bonita	12/11/1984	10:00	0.1
Bonita	12/16/1984	6:00	0.3
Bonita	12/16/1984	9:00	0.1
Bonita	12/18/1984	16:00	0.1
Bonita	12/18/1984	17:00	0.1
Bonita	12/18/1984	18:00	0.2
Bonita	12/18/1984	19:00	0.1
Bonita	12/19/1984	1:00	0.1
Bonita	12/19/1984	3:00	0.1
Bonita	12/19/1984	7:00	0.1
Bonita	12/19/1984	20:00	0.2
Bonita	12/20/1984	2:00	0.1

Bonita	12/20/1984	4:00	0.1
Bonita	12/26/1984	23:00	0.1
Bonita	12/27/1984	1:00	0.1
Bonita	12/27/1984	2:00	0.1
Bonita	12/27/1984	3:00	0.3
Bonita	12/27/1984	4:00	0.2
Bonita	12/27/1984	5:00	0.1
Bonita	12/27/1984	6:00	0.1
Bonita	12/27/1984	7:00	0.1
Bonita	12/27/1984	8:00	0.1
Bonita	12/27/1984	9:00	0.1
Bonita	12/27/1984	11:00	0.1
Bonita	12/27/1984	18:00	0.2
Bonita	12/27/1984	19:00	0.3
Bonita	12/27/1984	21:00	0.2
Bonita	12/27/1984	22:00	0.1
Bonita	12/27/1984	23:00	0.1
Bonita	12/27/1984	24:00	0.1
Bonita	12/28/1984	1:00	0.1
Bonita	12/28/1984	2:00	0.1
Bonita	1/7/1985	20:00	0.1
Bonita	1/8/1985	16:00	0.1
Bonita	1/8/1985	23:00	0.1
Bonita	1/27/1985	19:00	0.1
Bonita	1/28/1985	23:00	0.1
Bonita	1/30/1985	14:00	0.1
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Bonita	2/2/1985	13:00	0.1
Bonita	2/2/1985	14:00	0.2
Bonita	2/2/1985	17:00	0.1
Bonita	2/3/1985	23:00	0.1
Bonita	2/4/1985	5:00	0.1
Bonita	2/9/1985	15:00	0.1
Bonita	2/20/1985	20:00	0.1
Bonita	3/2/1985	6:00	0.1
Bonita	3/2/1985	24:00	0.1
Bonita	3/27/1985	12:00	0.1
Bonita	3/27/1985	21:00	0.1
Bonita	3/27/1985	23:00	0.1
Bonita	3/28/1985	11:00	0.1
Bonita	10/7/1985	24:00	0.1
Bonita	11/11/1985	6:00	0.2
Bonita	11/11/1985	8:00	0.1
Bonita	11/11/1985	10:00	0.4
Bonita	11/11/1985	11:00	0.2
Bonita	11/11/1985	12:00	0.2
Bonita	11/11/1985	13:00	0.2
Bonita	11/11/1985	14:00	0.1
Bonita	11/11/1985	15:00	0.1
Bonita	11/11/1985	16:00	0.1

Bonita	11/11/1985	22:00	0.1
Bonita	11/12/1985	8:00	0.1
Bonita	11/12/1985	18:00	0.1
Bonita	11/24/1985	17:00	0.1
Bonita	11/24/1985	19:00	0.1
Bonita	11/25/1985	1:00	0.1
Bonita	11/25/1985	2:00	0.1
Bonita	11/25/1985	3:00	0.1
Bonita	11/25/1985	4:00	0.2
Bonita	11/25/1985	5:00	0.4
Bonita	11/25/1985	6:00	0.1
Bonita	11/25/1985	7:00	0.3
Bonita	11/25/1985	8:00	0.3
Bonita	11/25/1985	9:00	0.2
Bonita	11/25/1985	10:00	0.1
Bonita	11/25/1985	12:00	0.1
Bonita	11/25/1985	17:00	0.1
Bonita	11/25/1985	18:00	0.6
Bonita	11/25/1985	19:00	0.1
Bonita	11/25/1985	20:00	0.2
Bonita	11/29/1985	15:00	0.1
Bonita	11/29/1985	16:00	0.2
Bonita	11/29/1985	17:00	0.1
Bonita	11/29/1985	19:00	0.1
Bonita	12/2/1985	15:00	0.1
Bonita	12/2/1985	19:00	0.1
Bonita	12/2/1985	20:00	0.1
Bonita	12/2/1985	21:00	0.1
Bonita	12/2/1985	24:00	0.1
Bonita	12/3/1985	4:00	0.1
Bonita	12/11/1985	10:00	0.1
Bonita	12/11/1985	14:00	0.1
Bonita	12/11/1985	24:00	0.4
Bonita	12/12/1985	1:00	0.1
Bonita	12/12/1985	6:00	0.1
Bonita	12/12/1985	9:00	0.1
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Bonita	1/30/1986	4:00	0.2
Bonita	1/30/1986	5:00	0.2
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Bonita	1/31/1986	17:00	0.2
Bonita	1/31/1986	18:00	0.1
Bonita	1/31/1986	19:00	0.1
Bonita	1/31/1986	20:00	0.1
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Bonita	2/8/1986	1:00	0.1
Bonita	2/8/1986	2:00	0.1
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Bonita	2/8/1986	18:00	0.1
Bonita	2/15/1986	2:00	0.2

Bonita	2/15/1986	3:00	0.2
Bonita	2/15/1986	4:00	0.2
Bonita	2/15/1986	5:00	0.3
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Bonita	2/15/1986	7:00	0.1
Bonita	2/15/1986	8:00	0.1
Bonita	2/15/1986	9:00	0.1
Bonita	2/15/1986	10:00	0.1
Bonita	2/15/1986	17:00	0.1
Bonita	3/8/1986	14:00	0.1
Bonita	3/8/1986	15:00	0.1
Bonita	3/8/1986	18:00	0.1
Bonita	3/8/1986	19:00	0.1
Bonita	3/8/1986	20:00	0.1
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Bonita	3/10/1986	7:00	0.2
Bonita	3/10/1986	8:00	0.1
Bonita	3/10/1986	15:00	0.1
Bonita	3/12/1986	12:00	0.1
Bonita	3/13/1986	20:00	0.1
Bonita	3/14/1986	4:00	0.1
Bonita	3/15/1986	20:00	0.1
Bonita	3/15/1986	23:00	0.3
Bonita	3/16/1986	7:00	0.1
Bonita	3/16/1986	21:00	0.2
Bonita	4/1/1986	2:00	0.1
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Bonita	4/6/1986	5:00	0.1
Bonita	4/6/1986	7:00	0.2
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Bonita	4/6/1986	21:00	0.1
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Bonita	9/25/1986	3:00	0.1
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Bonita	9/25/1986	5:00	0.1
Bonita	9/25/1986	6:00	0.3
Bonita	9/25/1986	7:00	0.1
Bonita	10/9/1986	16:00	0.1
Bonita	10/9/1986	17:00	0.1
Bonita	10/9/1986	20:00	0.1
Bonita	10/9/1986	24:00	0.1
Bonita	10/10/1986	1:00	0.3
Bonita	10/10/1986	2:00	0.1
Bonita	10/10/1986	3:00	0.1
Bonita	10/10/1986	4:00	0.1
Bonita	11/17/1986	12:00	0.1
Bonita	11/17/1986	20:00	0.1
Bonita	11/17/1986	21:00	0.1
Bonita	11/17/1986	23:00	0.1

Bonita	11/17/1986	24:00	0.1
Bonita	11/18/1986	1:00	0.1
Bonita	12/6/1986	1:00	0.1
Bonita	12/6/1986	3:00	0.1
Bonita	12/6/1986	5:00	0.1
Bonita	12/6/1986	17:00	0.2
Bonita	12/6/1986	18:00	0.1
Bonita	12/6/1986	24:00	0.1
Bonita	12/7/1986	7:00	0.1
Bonita	12/7/1986	9:00	0.1
Bonita	12/7/1986	10:00	0.1
Bonita	12/7/1986	11:00	0.2
Bonita	12/7/1986	16:00	0.3
Bonita	12/20/1986	14:00	0.1
Bonita	1/5/1987	3:00	0.1
Bonita	1/5/1987	6:00	0.5
Bonita	1/5/1987	7:00	0.1
Bonita	1/5/1987	8:00	0.1
Bonita	1/5/1987	10:00	0.1
Bonita	1/5/1987	12:00	0.1
Bonita	1/5/1987	15:00	0.1
Bonita	1/7/1987	12:00	0.1
Bonita	1/7/1987	14:00	0.1
Bonita	1/7/1987	20:00	0.1
Bonita	2/13/1987	19:00	0.1
Bonita	2/13/1987	23:00	0.1
Bonita	2/15/1987	17:00	0.1
Bonita	2/24/1987	4:00	0.1
Bonita	2/24/1987	10:00	0.1
Bonita	2/24/1987	17:00	0.1
Bonita	2/24/1987	18:00	0.1
Bonita	2/25/1987	13:00	0.1
Bonita	2/25/1987	14:00	0.1
Bonita	2/25/1987	21:00	0.2
Bonita	2/25/1987	23:00	0.2
Bonita	2/25/1987	24:00	0.2
Bonita	2/26/1987	3:00	0.1
Bonita	3/6/1987	9:00	0.1
Bonita	3/6/1987	15:00	0.1
Bonita	3/15/1987	3:00	0.2
Bonita	3/15/1987	4:00	0.1
Bonita	3/15/1987	22:00	0.1
Bonita	3/16/1987	6:00	0.1
Bonita	3/21/1987	17:00	0.1
Bonita	3/21/1987	19:00	0.1
Bonita	3/22/1987	9:00	0.1
Bonita	4/2/1987	24:00	0.4
Bonita	4/3/1987	1:00	0.1
Bonita	4/3/1987	5:00	0.1
Bonita	4/3/1987	6:00	0.1

Bonita	4/3/1987	21:00	0.1
Bonita	9/22/1987	5:00	0.1
Bonita	9/22/1987	10:00	0.1
Bonita	9/22/1987	11:00	0.1
Bonita	9/22/1987	12:00	0.2
Bonita	9/22/1987	17:00	0.1
Bonita	9/22/1987	23:00	0.1
Bonita	10/11/1987	13:00	0.1
Bonita	10/11/1987	14:00	0.1
Bonita	10/11/1987	15:00	0.1
Bonita	10/11/1987	17:00	0.5
Bonita	10/11/1987	18:00	0.1
Bonita	10/12/1987	18:00	0.1
Bonita	10/12/1987	19:00	0.1
Bonita	10/12/1987	20:00	0.2
Bonita	10/12/1987	23:00	0.1
Bonita	10/22/1987	18:00	0.1
Bonita	10/22/1987	19:00	0.1
Bonita	10/22/1987	21:00	0.1
Bonita	10/23/1987	4:00	0.1
Bonita	10/24/1987	21:00	0.1
Bonita	11/4/1987	17:00	0.1
Bonita	11/4/1987	18:00	0.1
Bonita	11/4/1987	21:00	0.1
Bonita	11/5/1987	7:00	0.1
Bonita	11/5/1987	17:00	0.1
Bonita	11/5/1987	20:00	0.1
Bonita	11/6/1987	4:00	0.1
Bonita	11/8/1987	3:00	0.1
Bonita	12/16/1987	11:00	0.1
Bonita	12/16/1987	13:00	0.1
Bonita	12/16/1987	14:00	0.1
Bonita	12/16/1987	15:00	0.2
Bonita	12/16/1987	16:00	0.2
Bonita	12/16/1987	17:00	0.2
Bonita	12/16/1987	18:00	0.1
Bonita	12/16/1987	19:00	0.1
Bonita	12/16/1987	20:00	0.1
Bonita	12/17/1987	4:00	0.1
Bonita	12/17/1987	5:00	0.2
Bonita	12/17/1987	6:00	0.1
Bonita	12/17/1987	8:00	0.1
Bonita	12/19/1987	17:00	0.3
Bonita	12/19/1987	18:00	0.1
Bonita	12/29/1987	15:00	0.1
Bonita	12/30/1987	4:00	0.1
Bonita	1/5/1988	15:00	0.1
Bonita	1/5/1988	18:00	0.1
Bonita	1/17/1988	9:00	0.1
Bonita	1/17/1988	10:00	0.2

Bonita	1/17/1988	11:00	0.1
Bonita	1/17/1988	12:00	0.1
Bonita	1/17/1988	13:00	0.1
Bonita	1/17/1988	16:00	0.1
Bonita	1/17/1988	17:00	0.1
Bonita	1/17/1988	19:00	0.1
Bonita	1/17/1988	23:00	0.1
Bonita	2/2/1988	2:00	0.1
Bonita	2/2/1988	7:00	0.1
Bonita	2/2/1988	10:00	0.1
Bonita	2/2/1988	12:00	0.2
Bonita	2/2/1988	13:00	0.4
Bonita	2/2/1988	14:00	0.2
Bonita	2/2/1988	15:00	0.1
Bonita	2/2/1988	20:00	0.1
Bonita	2/29/1988	22:00	0.1
Bonita	3/1/1988	9:00	0.1
Bonita	3/1/1988	22:00	0.1
Bonita	3/1/1988	23:00	0.1
Bonita	3/1/1988	24:00	0.1
Bonita	3/2/1988	2:00	0.1
Bonita	3/2/1988	3:00	0.1
Bonita	4/14/1988	20:00	0.1
Bonita	4/14/1988	23:00	0.3
Bonita	4/14/1988	24:00	0.1
Bonita	4/18/1988	8:00	0.1
Bonita	4/20/1988	7:00	0.1
Bonita	4/20/1988	8:00	0.1
Bonita	4/20/1988	9:00	0.1
Bonita	4/20/1988	10:00	0.1
Bonita	4/20/1988	11:00	0.1
Bonita	4/20/1988	13:00	0.1
Bonita	4/20/1988	23:00	0.2
Bonita	4/20/1988	24:00	0.1
Bonita	4/21/1988	9:00	0.1
Bonita	4/21/1988	10:00	0.1
Bonita	4/22/1988	9:00	0.1
Bonita	5/29/1988	5:00	0.1
Bonita	11/14/1988	7:00	0.1
Bonita	11/14/1988	8:00	0.1
Bonita	11/14/1988	9:00	0.1
Bonita	11/25/1988	6:00	0.1
Bonita	11/25/1988	7:00	0.1
Bonita	11/25/1988	9:00	0.1
Bonita	11/25/1988	10:00	0.1
Bonita	11/25/1988	11:00	0.1
Bonita	11/25/1988	20:00	0.1
Bonita	12/15/1988	20:00	0.1
Bonita	12/16/1988	7:00	0.1
Bonita	12/16/1988	16:00	0.1

Bonita	12/18/1988	19:00	0.1
Bonita	12/21/1988	7:00	0.1
Bonita	12/23/1988	2:00	0.1
Bonita	12/24/1988	23:00	0.2
Bonita	12/24/1988	24:00	0.4
Bonita	12/25/1988	1:00	0.1
Bonita	12/25/1988	2:00	0.1
Bonita	12/25/1988	21:00	0.1
Bonita	12/25/1988	24:00	0.1
Bonita	12/27/1988	23:00	0.1
Bonita	1/4/1989	1:00	0.1
Bonita	1/4/1989	8:00	0.1
Bonita	1/5/1989	18:00	0.1
Bonita	1/5/1989	24:00	0.1
Bonita	1/23/1989	20:00	0.1
Bonita	1/23/1989	24:00	0.1
Bonita	2/2/1989	10:00	0.1
Bonita	2/4/1989	2:00	0.1
Bonita	2/9/1989	4:00	0.1
Bonita	2/9/1989	5:00	0.1
Bonita	2/9/1989	15:00	0.1
Bonita	2/13/1989	17:00	0.1
Bonita	3/2/1989	18:00	0.1
Bonita	3/2/1989	19:00	0.1
Bonita	3/25/1989	13:00	0.1
Bonita	3/25/1989	14:00	0.1
Bonita	3/25/1989	15:00	0.1
Bonita	3/25/1989	16:00	0.1
Bonita	3/25/1989	23:00	0.1
Bonita	4/26/1989	6:00	0.1
Bonita	9/17/1989	3:00	0.1
Bonita	9/19/1989	10:00	0.1
Bonita	11/26/1989	10:00	0.1
Bonita	12/27/1989	24:00	0.1
Bonita	12/28/1989	2:00	0.1
Bonita	12/28/1989	4:00	0.1
Bonita	12/28/1989	6:00	0.1
Bonita	1/1/1990	2:00	0.1
Bonita	1/1/1990	3:00	0.1
Bonita	1/1/1990	9:00	0.1
Bonita	1/13/1990	21:00	0.1
Bonita	1/14/1990	5:00	0.1
Bonita	1/14/1990	6:00	0.1
Bonita	1/14/1990	19:00	0.2
Bonita	1/14/1990	20:00	0.1
Bonita	1/14/1990	21:00	0.1
Bonita	1/14/1990	22:00	0.1
Bonita	1/15/1990	5:00	0.1
Bonita	1/15/1990	11:00	0.1
Bonita	1/16/1990	9:00	0.1

Bonita	1/16/1990	19:00	0.1
Bonita	1/17/1990	2:00	0.1
Bonita	1/17/1990	5:00	0.1
Bonita	1/17/1990	9:00	0.1
Bonita	1/17/1990	12:00	0.1
Bonita	1/17/1990	17:00	0.1
Bonita	1/17/1990	24:00	0.1
Bonita	1/18/1990	3:00	0.2
Bonita	2/4/1990	10:00	0.11
Bonita	2/4/1990	11:00	0.07
Bonita	2/4/1990	12:00	0.06
Bonita	2/4/1990	15:00	0.01
Bonita	2/17/1990	18:00	0.02
Bonita	2/17/1990	19:00	0.09
Bonita	2/17/1990	20:00	0.4
Bonita	2/17/1990	21:00	0.16
Bonita	2/17/1990	22:00	0.01
Bonita	2/18/1990	7:00	0.1
Bonita	2/18/1990	8:00	0.01
Bonita	2/18/1990	12:00	0.04
Bonita	2/18/1990	13:00	0.02
Bonita	2/18/1990	24:00	0.03
Bonita	3/11/1990	2:00	0.1
Bonita	3/11/1990	3:00	0.1
Bonita	3/12/1990	18:00	0.2
Bonita	4/4/1990	6:00	0.2
Bonita	4/4/1990	7:00	0.1
Bonita	4/17/1990	8:00	0.1
Bonita	4/23/1990	4:00	0.1
Bonita	4/23/1990	20:00	0.1
Bonita	5/28/1990	5:00	0.1
Bonita	5/28/1990	9:00	0.1
Bonita	5/28/1990	21:00	0.1
Bonita	6/9/1990	9:00	0.2
Bonita	6/10/1990	3:00	0.1
Bonita	6/10/1990	4:00	0.2
Bonita	6/10/1990	8:00	0.1
Bonita	11/19/1990	20:00	0.1
Bonita	11/19/1990	21:00	0.2
Bonita	11/20/1990	2:00	0.1
Bonita	11/20/1990	6:00	0.1
Bonita	11/26/1990	2:00	0.1
Bonita	12/19/1990	14:00	0.1
Bonita	12/19/1990	24:00	0.1
Bonita	12/20/1990	3:00	0.1
Bonita	12/20/1990	10:00	0.1
Bonita	12/21/1990	3:00	0.1
Bonita	1/3/1991	11:00	0.1
Bonita	1/3/1991	15:00	0.1
Bonita	1/3/1991	16:00	0.1

Bonita	1/3/1991	17:00	0.1
Bonita	1/3/1991	19:00	0.1
Bonita	1/3/1991	20:00	0.1
Bonita	1/4/1991	1:00	0.1
Bonita	1/4/1991	5:00	0.1
Bonita	1/4/1991	6:00	0.1
Bonita	1/9/1991	12:00	0.1
Bonita	1/9/1991	13:00	0.2
Bonita	2/27/1991	12:00	0.1
Bonita	2/27/1991	14:00	0.2
Bonita	2/27/1991	15:00	0.1
Bonita	2/27/1991	16:00	0.1
Bonita	2/27/1991	17:00	0.1
Bonita	2/27/1991	18:00	0.1
Bonita	2/27/1991	19:00	0.1
Bonita	2/27/1991	21:00	0.1
Bonita	2/27/1991	22:00	0.1
Bonita	2/28/1991	4:00	0.2
Bonita	2/28/1991	14:00	0.1
Bonita	2/28/1991	15:00	0.1
Bonita	2/28/1991	20:00	0.5
Bonita	2/28/1991	21:00	0.1
Bonita	2/28/1991	22:00	0.3
Bonita	2/28/1991	23:00	0.1
Bonita	2/28/1991	24:00	0.1
Bonita	3/1/1991	2:00	0.1
Bonita	3/1/1991	3:00	0.1
Bonita	3/1/1991	4:00	0.2
Bonita	3/1/1991	5:00	0.2
Bonita	3/1/1991	6:00	0.3
Bonita	3/1/1991	10:00	0.1
Bonita	3/11/1991	1:00	0.1
Bonita	3/13/1991	17:00	0.3
Bonita	3/15/1991	18:00	0.1
Bonita	3/18/1991	23:00	0.3
Bonita	3/18/1991	24:00	0.1
Bonita	3/19/1991	1:00	0.1
Bonita	3/19/1991	2:00	0.2
Bonita	3/19/1991	5:00	0.1
Bonita	3/20/1991	6:00	0.4
Bonita	3/20/1991	7:00	0.1
Bonita	3/20/1991	8:00	0.1
Bonita	3/20/1991	16:00	0.2
Bonita	3/20/1991	18:00	0.1
Bonita	3/20/1991	20:00	0.1
Bonita	3/20/1991	22:00	0.1
Bonita	3/20/1991	24:00	0.1
Bonita	3/21/1991	3:00	0.1
Bonita	3/21/1991	5:00	0.1
Bonita	3/21/1991	7:00	0.1

Bonita	3/21/1991	8:00	0.1
Bonita	3/21/1991	15:00	0.1
Bonita	3/25/1991	7:00	0.2
Bonita	3/25/1991	8:00	0.1
Bonita	3/25/1991	9:00	0.1
Bonita	3/25/1991	11:00	0.1
Bonita	3/25/1991	23:00	0.1
Bonita	3/25/1991	24:00	0.1
Bonita	3/26/1991	1:00	0.1
Bonita	3/26/1991	2:00	0.1
Bonita	3/26/1991	4:00	0.1
Bonita	3/26/1991	5:00	0.1
Bonita	3/26/1991	7:00	0.1
Bonita	3/26/1991	24:00	0.1
Bonita	3/27/1991	1:00	0.2
Bonita	3/27/1991	2:00	0.4
Bonita	3/27/1991	3:00	0.1
Bonita	3/27/1991	5:00	0.1
Bonita	3/27/1991	8:00	0.1
Bonita	3/27/1991	12:00	0.1
Bonita	9/20/1991	17:00	0.1
Bonita	10/23/1991	22:00	0.1
Bonita	10/24/1991	1:00	0.1
Bonita	10/24/1991	8:00	0.1
Bonita	10/26/1991	20:00	0.1
Bonita	10/26/1991	22:00	0.1
Bonita	10/26/1991	23:00	0.1
Bonita	10/26/1991	24:00	0.1
Bonita	10/27/1991	1:00	0.1
Bonita	10/27/1991	2:00	0.1
Bonita	12/8/1991	17:00	0.1
Bonita	12/8/1991	19:00	0.1
Bonita	12/17/1991	9:00	0.1
Bonita	12/17/1991	18:00	0.2
Bonita	12/17/1991	19:00	0.1
Bonita	12/17/1991	21:00	0.1
Bonita	12/17/1991	23:00	0.1
Bonita	12/19/1991	1:00	0.1
Bonita	12/27/1991	24:00	0.1
Bonita	12/28/1991	1:00	0.1
Bonita	12/28/1991	6:00	0.1
Bonita	12/29/1991	15:00	0.2
Bonita	12/29/1991	16:00	0.1
Bonita	12/29/1991	17:00	0.1
Bonita	12/29/1991	22:00	0.2
Bonita	1/5/1992	13:00	0.2
Bonita	1/5/1992	14:00	0.2
Bonita	1/5/1992	15:00	0.1
Bonita	1/5/1992	16:00	0.1
Bonita	1/5/1992	17:00	0.2

Bonita	1/5/1992	21:00	0.1
Bonita	1/6/1992	2:00	0.1
Bonita	1/6/1992	14:00	0.1
Bonita	1/7/1992	2:00	0.1
Bonita	1/7/1992	15:00	0.1
Bonita	1/7/1992	19:00	0.1
Bonita	2/6/1992	6:00	0.1
Bonita	2/6/1992	9:00	0.1
Bonita	2/6/1992	14:00	0.2
Bonita	2/6/1992	15:00	0.5
Bonita	2/6/1992	17:00	0.4
Bonita	2/6/1992	18:00	0.3
Bonita	2/6/1992	20:00	0.1
Bonita	2/9/1992	22:00	0.1
Bonita	2/9/1992	23:00	0.1
Bonita	2/10/1992	2:00	0.1
Bonita	2/10/1992	3:00	0.1
Bonita	2/10/1992	6:00	0.1
Bonita	2/10/1992	7:00	0.1
Bonita	2/12/1992	21:00	0.2
Bonita	2/12/1992	22:00	0.3
Bonita	2/12/1992	24:00	0.1
Bonita	2/13/1992	3:00	0.1
Bonita	2/13/1992	5:00	0.1
Bonita	2/15/1992	13:00	0.1
Bonita	2/15/1992	14:00	0.2
Bonita	2/15/1992	16:00	0.1
Bonita	3/2/1992	6:00	0.1
Bonita	3/2/1992	7:00	0.1
Bonita	3/2/1992	8:00	0.1
Bonita	3/2/1992	14:00	0.2
Bonita	3/2/1992	15:00	0.4
Bonita	3/2/1992	16:00	0.1
Bonita	3/2/1992	18:00	0.4
Bonita	3/2/1992	22:00	0.2
Bonita	3/2/1992	23:00	0.1
Bonita	3/3/1992	2:00	0.1
Bonita	3/6/1992	21:00	0.1
Bonita	3/6/1992	23:00	0.1
Bonita	3/6/1992	24:00	0.3
Bonita	3/7/1992	21:00	0.1
Bonita	3/8/1992	1:00	0.1
Bonita	3/8/1992	2:00	0.1
Bonita	3/8/1992	9:00	0.1
Bonita	3/8/1992	22:00	0.1
Bonita	3/20/1992	15:00	0.5
Bonita	3/20/1992	20:00	0.1
Bonita	3/21/1992	4:00	0.1
Bonita	3/22/1992	12:00	0.1
Bonita	3/23/1992	3:00	0.1

Bonita	3/23/1992	4:00	0.1
Bonita	3/23/1992	8:00	0.1
Bonita	3/26/1992	14:00	0.1
Bonita	3/26/1992	16:00	0.1
Bonita	3/26/1992	17:00	0.2
Bonita	3/26/1992	19:00	0.1
Bonita	3/27/1992	5:00	0.1
Bonita	3/27/1992	7:00	0.1
Bonita	4/1/1992	6:00	0.1
Bonita	10/23/1992	3:00	0.16
Bonita	10/23/1992	17:00	0.04
Bonita	10/30/1992	18:00	0.04
Bonita	12/3/1992	20:00	0.12
Bonita	12/3/1992	21:00	0.04
Bonita	12/3/1992	22:00	0.04
Bonita	12/4/1992	3:00	0.04
Bonita	12/4/1992	10:00	0.72
Bonita	12/4/1992	11:00	0.04
Bonita	12/7/1992	7:00	0.04
Bonita	12/7/1992	9:00	0.16
Bonita	12/7/1992	10:00	0.12
Bonita	12/7/1992	11:00	0.04
Bonita	12/7/1992	12:00	0.28
Bonita	12/7/1992	13:00	0.32
Bonita	12/7/1992	14:00	0.28
Bonita	12/7/1992	15:00	0.36
Bonita	12/7/1992	23:00	0.04
Bonita	12/18/1992	2:00	0.12
Bonita	12/18/1992	4:00	0.04
Bonita	12/18/1992	5:00	0.04
Bonita	12/27/1992	16:00	0.08
Bonita	12/27/1992	17:00	0.04
Bonita	12/27/1992	18:00	0.04
Bonita	12/27/1992	19:00	0.04
Bonita	12/27/1992	20:00	0.04
Bonita	12/27/1992	21:00	0.12
Bonita	12/27/1992	22:00	0.08
Bonita	12/27/1992	23:00	0.08
Bonita	12/27/1992	24:00	0.12
Bonita	12/28/1992	2:00	0.04
Bonita	12/28/1992	6:00	0.04
Bonita	12/29/1992	13:00	0.04
Bonita	12/29/1992	14:00	0.08
Bonita	12/29/1992	22:00	0.08
Bonita	12/29/1992	24:00	0.04
Bonita	1/2/1993	10:00	0.04
Bonita	1/2/1993	11:00	0.04
Bonita	1/2/1993	13:00	0.08
Bonita	1/5/1993	21:00	0.04
Bonita	1/5/1993	22:00	0.04

Bonita	1/5/1993	24:00	0.04
Bonita	1/6/1993	1:00	0.04
Bonita	1/6/1993	2:00	0.2
Bonita	1/6/1993	3:00	0.04
Bonita	1/6/1993	4:00	0.04
Bonita	1/6/1993	5:00	0.04
Bonita	1/6/1993	12:00	0.24
Bonita	1/6/1993	13:00	0.08
Bonita	1/6/1993	14:00	0.08
Bonita	1/6/1993	16:00	0.04
Bonita	1/6/1993	18:00	0.08
Bonita	1/6/1993	20:00	0.04
Bonita	1/6/1993	21:00	0.12
Bonita	1/6/1993	22:00	0.08
Bonita	1/6/1993	23:00	0.12
Bonita	1/6/1993	24:00	0.04
Bonita	1/7/1993	1:00	0.12
Bonita	1/7/1993	3:00	0.16
Bonita	1/7/1993	4:00	0.16
Bonita	1/7/1993	5:00	0.08
Bonita	1/7/1993	6:00	0.04
Bonita	1/7/1993	7:00	0.08
Bonita	1/7/1993	9:00	0.16
Bonita	1/7/1993	10:00	0.04
Bonita	1/7/1993	14:00	0.04
Bonita	1/7/1993	15:00	0.08
Bonita	1/7/1993	16:00	0.04
Bonita	1/7/1993	17:00	0.04
Bonita	1/7/1993	19:00	0.08
Bonita	1/7/1993	20:00	0.04
Bonita	1/7/1993	23:00	0.2
Bonita	1/8/1993	7:00	0.04
Bonita	1/8/1993	8:00	0.01
Bonita	1/8/1993	9:00	0.01
Bonita	1/8/1993	10:00	0.03
Bonita	1/8/1993	12:00	0.01
Bonita	1/8/1993	13:00	0.07
Bonita	1/9/1993	5:00	0.04
Bonita	1/9/1993	20:00	0.04
Bonita	1/9/1993	23:00	0.04
Bonita	1/10/1993	4:00	0.04
Bonita	1/11/1993	14:00	0.04
Bonita	1/12/1993	13:00	0.04
Bonita	1/12/1993	14:00	0.32
Bonita	1/12/1993	15:00	0.12
Bonita	1/12/1993	16:00	0.2
Bonita	1/12/1993	17:00	0.04
Bonita	1/12/1993	19:00	0.04
Bonita	1/12/1993	20:00	0.04
Bonita	1/12/1993	22:00	0.04

Bonita	1/12/1993	23:00	0.12
Bonita	1/13/1993	7:00	0.04
Bonita	1/13/1993	20:00	0.04
Bonita	1/13/1993	21:00	0.12
Bonita	1/13/1993	22:00	0.04
Bonita	1/14/1993	2:00	0.04
Bonita	1/14/1993	4:00	0.04
Bonita	1/14/1993	5:00	0.2
Bonita	1/15/1993	11:00	0.04
Bonita	1/15/1993	12:00	0.12
Bonita	1/15/1993	13:00	0.16
Bonita	1/15/1993	14:00	0.16
Bonita	1/15/1993	15:00	0.12
Bonita	1/15/1993	16:00	0.2
Bonita	1/15/1993	17:00	0.24
Bonita	1/15/1993	19:00	0.08
Bonita	1/15/1993	20:00	0.08
Bonita	1/15/1993	21:00	0.08
Bonita	1/15/1993	24:00	0.04
Bonita	1/16/1993	1:00	0.04
Bonita	1/16/1993	3:00	0.04
Bonita	1/16/1993	7:00	0.04
Bonita	1/16/1993	8:00	0.12
Bonita	1/16/1993	9:00	0.24
Bonita	1/16/1993	10:00	0.16
Bonita	1/16/1993	11:00	0.04
Bonita	1/16/1993	12:00	0.12
Bonita	1/16/1993	13:00	0.08
Bonita	1/16/1993	18:00	0.04
Bonita	1/16/1993	20:00	0.04
Bonita	1/16/1993	23:00	0.04
Bonita	1/17/1993	3:00	0.08
Bonita	1/17/1993	7:00	0.04
Bonita	1/17/1993	10:00	0.08
Bonita	1/17/1993	18:00	0.08
Bonita	1/17/1993	19:00	0.04
Bonita	1/18/1993	1:00	0.04
Bonita	1/18/1993	5:00	0.08
Bonita	1/18/1993	7:00	0.04
Bonita	1/18/1993	10:00	0.08
Bonita	1/18/1993	13:00	0.04
Bonita	1/18/1993	18:00	0.12
Bonita	1/18/1993	20:00	0.12
Bonita	1/31/1993	1:00	0.08
Bonita	1/31/1993	2:00	0.16
Bonita	2/7/1993	18:00	0.04
Bonita	2/7/1993	19:00	0.08
Bonita	2/7/1993	20:00	0.04
Bonita	2/7/1993	21:00	0.04
Bonita	2/7/1993	23:00	0.04

Bonita	2/7/1993	24:00	0.16
Bonita	2/8/1993	1:00	0.04
Bonita	2/8/1993	2:00	0.04
Bonita	2/8/1993	3:00	0.04
Bonita	2/8/1993	6:00	0.04
Bonita	2/8/1993	10:00	0.04
Bonita	2/8/1993	18:00	0.24
Bonita	2/8/1993	21:00	0.04
Bonita	2/8/1993	22:00	0.04
Bonita	2/9/1993	3:00	0.04
Bonita	2/9/1993	23:00	0.04
Bonita	2/18/1993	12:00	0.04
Bonita	2/18/1993	13:00	0.04
Bonita	2/18/1993	14:00	0.04
Bonita	2/18/1993	15:00	0.04
Bonita	2/18/1993	16:00	0.16
Bonita	2/18/1993	19:00	0.04
Bonita	2/18/1993	21:00	0.12
Bonita	2/19/1993	8:00	0.04
Bonita	2/19/1993	10:00	0.04
Bonita	2/19/1993	15:00	0.08
Bonita	2/19/1993	16:00	0.04
Bonita	2/19/1993	19:00	0.44
Bonita	2/19/1993	20:00	0.12
Bonita	2/19/1993	22:00	0.04
Bonita	2/20/1993	5:00	0.12
Bonita	2/20/1993	6:00	0.04
Bonita	2/20/1993	8:00	0.12
Bonita	2/21/1993	2:00	0.04
Bonita	2/23/1993	18:00	0.32
Bonita	2/23/1993	19:00	0.04
Bonita	2/23/1993	20:00	0.04
Bonita	2/23/1993	21:00	0.08
Bonita	2/23/1993	22:00	0.08
Bonita	2/23/1993	24:00	0.12
Bonita	2/24/1993	5:00	0.12
Bonita	2/24/1993	6:00	0.04
Bonita	2/24/1993	8:00	0.04
Bonita	2/26/1993	14:00	0.08
Bonita	2/26/1993	21:00	0.04
Bonita	2/26/1993	22:00	0.04
Bonita	2/27/1993	5:00	0.04
Bonita	2/28/1993	4:00	0.04
Bonita	3/25/1993	23:00	0.12
Bonita	3/25/1993	24:00	0.2
Bonita	3/26/1993	1:00	0.04
Bonita	3/26/1993	3:00	0.2
Bonita	3/26/1993	4:00	0.16
Bonita	3/26/1993	18:00	0.08
Bonita	3/26/1993	19:00	0.08

Bonita	3/26/1993	21:00	0.04
Bonita	3/28/1993	2:00	0.2
Bonita	3/28/1993	3:00	0.12
Bonita	6/5/1993	14:00	0.12
Bonita	6/5/1993	15:00	0.16
Bonita	6/5/1993	16:00	0.08
Bonita	6/5/1993	21:00	0.12
Bonita	6/5/1993	22:00	0.08
Bonita	6/6/1993	4:00	0.04
Bonita	10/16/1993	9:00	0.08
Bonita	11/11/1993	5:00	0.2
Bonita	11/11/1993	8:00	0.04
Bonita	11/11/1993	13:00	0.04
Bonita	11/12/1993	20:00	0.04
Bonita	11/22/1993	22:00	0.04
Bonita	11/22/1993	23:00	0.12
Bonita	11/22/1993	24:00	0.01
Bonita	11/23/1993	3:00	0.04
Bonita	11/23/1993	4:00	0.02
Bonita	11/30/1993	4:00	0.04
Bonita	11/30/1993	5:00	0.08
Bonita	12/11/1993	16:00	0.2
Bonita	12/11/1993	17:00	0.08
Bonita	12/11/1993	18:00	0.12
Bonita	12/12/1993	10:00	0.04
Bonita	12/14/1993	17:00	0.2
Bonita	12/14/1993	22:00	0.04
Bonita	12/15/1993	3:00	0.04
Bonita	1/25/1994	1:00	0.08
Bonita	1/25/1994	2:00	0.16
Bonita	1/25/1994	5:00	0.04
Bonita	1/25/1994	8:00	0.04
Bonita	1/25/1994	11:00	0.04
Bonita	1/25/1994	12:00	0.04
Bonita	1/25/1994	14:00	0.04
Bonita	1/25/1994	23:00	0.04
Bonita	1/26/1994	7:00	0.04
Bonita	2/3/1994	18:00	0.08
Bonita	2/3/1994	19:00	0.04
Bonita	2/3/1994	21:00	0.08
Bonita	2/4/1994	1:00	0.08
Bonita	2/4/1994	2:00	0.02
Bonita	2/4/1994	6:00	0.02
Bonita	2/4/1994	8:00	0.09
Bonita	2/4/1994	10:00	0.03
Bonita	2/5/1994	3:00	0.04
Bonita	2/7/1994	2:00	0.04
Bonita	2/7/1994	5:00	0.12
Bonita	2/7/1994	6:00	0.04
Bonita	2/7/1994	7:00	0.04

Bonita	2/7/1994	14:00	0.04
Bonita	2/7/1994	20:00	0.08
Bonita	2/8/1994	6:00	0.16
Bonita	2/8/1994	7:00	0.04
Bonita	2/8/1994	10:00	0.08
Bonita	2/8/1994	11:00	0.04
Bonita	2/17/1994	10:00	0.04
Bonita	2/17/1994	11:00	0.28
Bonita	2/17/1994	12:00	0.16
Bonita	2/17/1994	13:00	0.16
Bonita	2/17/1994	14:00	0.04
Bonita	2/17/1994	15:00	0.04
Bonita	2/18/1994	7:00	0.08
Bonita	2/18/1994	17:00	0.24
Bonita	2/18/1994	18:00	0.04
Bonita	2/18/1994	20:00	0.04
Bonita	2/18/1994	24:00	0.08
Bonita	2/19/1994	2:00	0.08
Bonita	2/19/1994	7:00	0.04
Bonita	2/20/1994	17:00	0.08
Bonita	2/21/1994	5:00	0.04
Bonita	3/6/1994	4:00	0.08
Bonita	3/6/1994	13:00	0.04
Bonita	3/6/1994	20:00	0.04
Bonita	3/6/1994	22:00	0.04
Bonita	3/6/1994	23:00	0.04
Bonita	3/6/1994	24:00	0.08
Bonita	3/7/1994	1:00	0.04
Bonita	3/7/1994	2:00	0.04
Bonita	3/7/1994	3:00	0.08
Bonita	3/7/1994	4:00	0.12
Bonita	3/7/1994	5:00	0.08
Bonita	3/7/1994	11:00	0.08
Bonita	3/24/1994	24:00	0.08
Bonita	3/25/1994	1:00	0.04
Bonita	3/25/1994	13:00	0.12
Bonita	3/25/1994	22:00	0.08
Bonita	4/9/1994	13:00	0.08
Bonita	4/9/1994	15:00	0.04
Bonita	4/24/1994	4:00	0.08
Bonita	4/24/1994	5:00	0.08
Bonita	4/24/1994	6:00	0.08
Bonita	4/25/1994	17:00	0.04
Bonita	4/25/1994	18:00	0.16
Bonita	4/25/1994	19:00	0.04
Bonita	4/26/1994	17:00	0.08
Bonita	4/26/1994	20:00	0.04
Bonita	4/26/1994	22:00	0.04
Bonita	4/26/1994	24:00	0.08
Bonita	4/27/1994	23:00	0.04

Bonita	4/27/1994	24:00	0.36
Bonita	4/28/1994	1:00	0.12
Bonita	4/28/1994	2:00	0.04
Bonita	4/28/1994	3:00	0.04
Bonita	11/10/1994	14:00	0.08
Bonita	11/10/1994	22:00	0.04
Bonita	11/11/1994	9:00	0.04
Bonita	11/18/1994	5:00	0.04
Bonita	12/5/1994	9:00	0.04
Bonita	12/23/1994	14:00	0.04
Bonita	12/24/1994	7:00	0.08
Bonita	12/24/1994	8:00	0.08
Bonita	12/24/1994	24:00	0.04
Bonita	12/25/1994	1:00	0.12
Bonita	12/25/1994	2:00	0.08
Bonita	12/25/1994	3:00	0.12
Bonita	12/25/1994	4:00	0.08
Bonita	12/25/1994	8:00	0.04
Bonita	12/25/1994	13:00	0.08
Bonita	12/25/1994	23:00	0.04
Bonita	1/3/1995	11:00	0.04
Bonita	1/3/1995	13:00	0.32
Bonita	1/3/1995	14:00	0.16
Bonita	1/3/1995	15:00	0.12
Bonita	1/4/1995	6:00	0.04
Bonita	1/4/1995	9:00	0.04
Bonita	1/4/1995	11:00	0.04
Bonita	1/4/1995	12:00	0.04
Bonita	1/4/1995	14:00	0.04
Bonita	1/4/1995	15:00	0.04
Bonita	1/4/1995	16:00	0.12
Bonita	1/4/1995	17:00	0.28
Bonita	1/4/1995	18:00	0.12
Bonita	1/4/1995	19:00	0.28
Bonita	1/4/1995	20:00	0.2
Bonita	1/4/1995	21:00	0.12
Bonita	1/4/1995	23:00	0.04
Bonita	1/5/1995	4:00	0.04
Bonita	1/5/1995	9:00	0.06
Bonita	1/7/1995	19:00	0.01
Bonita	1/7/1995	20:00	0.03
Bonita	1/7/1995	21:00	0.02
Bonita	1/7/1995	22:00	0.08
Bonita	1/7/1995	24:00	0.04
Bonita	1/8/1995	1:00	0.07
Bonita	1/8/1995	2:00	0.07
Bonita	1/8/1995	3:00	0.04
Bonita	1/8/1995	4:00	0.01
Bonita	1/8/1995	5:00	0.01
Bonita	1/8/1995	6:00	0.01

Bonita	1/8/1995	7:00	0.01
Bonita	1/8/1995	8:00	0.01
Bonita	1/10/1995	17:00	0.05
Bonita	1/10/1995	18:00	0.01
Bonita	1/10/1995	19:00	0.21
Bonita	1/10/1995	20:00	0.17
Bonita	1/10/1995	21:00	0.12
Bonita	1/10/1995	22:00	0.06
Bonita	1/10/1995	23:00	0.04
Bonita	1/11/1995	1:00	0.01
Bonita	1/11/1995	12:00	0.01
Bonita	1/11/1995	13:00	0.06
Bonita	1/11/1995	15:00	0.08
Bonita	1/12/1995	5:00	0.01
Bonita	1/12/1995	6:00	0.04
Bonita	1/12/1995	7:00	0.1
Bonita	1/12/1995	8:00	0.08
Bonita	1/12/1995	9:00	0.08
Bonita	1/12/1995	10:00	0.04
Bonita	1/12/1995	11:00	0.04
Bonita	1/12/1995	12:00	0.04
Bonita	1/12/1995	13:00	0.04
Bonita	1/12/1995	18:00	0.12
Bonita	1/15/1995	4:00	0.04
Bonita	1/16/1995	9:00	0.04
Bonita	1/16/1995	12:00	0.04
Bonita	1/16/1995	24:00	0.04
Bonita	1/17/1995	3:00	0.04
Bonita	1/21/1995	3:00	0.08
Bonita	1/21/1995	4:00	0.04
Bonita	1/23/1995	21:00	0.04
Bonita	1/23/1995	24:00	0.04
Bonita	1/24/1995	1:00	0.04
Bonita	1/24/1995	4:00	0.04
Bonita	1/25/1995	7:00	0.2
Bonita	1/25/1995	8:00	0.12
Bonita	1/25/1995	10:00	0.08
Bonita	1/25/1995	13:00	0.04
Bonita	1/25/1995	14:00	0.04
Bonita	1/25/1995	15:00	0.12
Bonita	1/25/1995	16:00	0.08
Bonita	1/25/1995	19:00	0.28
Bonita	1/25/1995	20:00	0.2
Bonita	1/25/1995	22:00	0.04
Bonita	1/26/1995	1:00	0.04
Bonita	2/13/1995	21:00	0.08
Bonita	2/14/1995	1:00	0.04
Bonita	2/14/1995	3:00	0.04
Bonita	2/14/1995	4:00	0.04
Bonita	2/14/1995	5:00	0.04

Bonita	2/14/1995	6:00	0.04
Bonita	2/14/1995	7:00	0.08
Bonita	2/14/1995	8:00	0.2
Bonita	2/14/1995	9:00	0.16
Bonita	2/14/1995	10:00	0.24
Bonita	2/14/1995	11:00	0.12
Bonita	2/14/1995	12:00	0.2
Bonita	2/14/1995	13:00	0.08
Bonita	2/14/1995	17:00	0.04
Bonita	2/14/1995	18:00	0.08
Bonita	2/14/1995	21:00	0.08
Bonita	2/17/1995	6:00	0.04
Bonita	2/24/1995	19:00	0.04
Bonita	3/2/1995	22:00	0.04
Bonita	3/3/1995	18:00	0.04
Bonita	3/4/1995	8:00	0.04
Bonita	3/5/1995	1:00	0.04
Bonita	3/5/1995	3:00	0.04
Bonita	3/5/1995	6:00	0.04
Bonita	3/5/1995	8:00	0.08
Bonita	3/5/1995	9:00	0.08
Bonita	3/5/1995	12:00	0.16
Bonita	3/5/1995	13:00	0.08
Bonita	3/5/1995	14:00	0.12
Bonita	3/5/1995	15:00	0.24
Bonita	3/5/1995	16:00	0.08
Bonita	3/5/1995	17:00	0.16
Bonita	3/5/1995	18:00	0.04
Bonita	3/5/1995	19:00	0.12
Bonita	3/5/1995	20:00	0.12
Bonita	3/5/1995	21:00	0.06
Bonita	3/5/1995	22:00	0.04
Bonita	3/5/1995	24:00	0.04
Bonita	3/6/1995	2:00	0.04
Bonita	3/6/1995	3:00	0.04
Bonita	3/7/1995	1:00	0.04
Bonita	3/11/1995	1:00	0.08
Bonita	3/11/1995	2:00	0.16
Bonita	3/11/1995	3:00	0.16
Bonita	3/11/1995	4:00	0.08
Bonita	3/11/1995	5:00	0.04
Bonita	3/11/1995	6:00	0.2
Bonita	3/11/1995	7:00	0.04
Bonita	3/11/1995	18:00	0.12
Bonita	3/11/1995	22:00	0.16
Bonita	3/11/1995	23:00	0.2
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Bonita	3/21/1995	12:00	0.12
Bonita	3/21/1995	13:00	0.04
Bonita	3/21/1995	14:00	0.08

Bonita	3/22/1995	10:00	0.08
Bonita	3/23/1995	10:00	0.04
Bonita	3/23/1995	12:00	0.12
Bonita	4/16/1995	5:00	0.13
Bonita	4/16/1995	6:00	0.06
Bonita	4/16/1995	7:00	0.07
Bonita	4/16/1995	8:00	0.16
Bonita	4/18/1995	9:00	0.08
Bonita	4/18/1995	10:00	0.07
Bonita	4/18/1995	11:00	0.07
Bonita	4/18/1995	12:00	0.06
Bonita	4/18/1995	13:00	0.12
Bonita	4/19/1995	1:00	0.04
Bonita	4/19/1995	6:00	0.04
Bonita	5/5/1995	6:00	0.04
Bonita	5/5/1995	15:00	0.04
Bonita	5/5/1995	20:00	0.08
Bonita	5/6/1995	1:00	0.04
Bonita	5/6/1995	3:00	0.04
Bonita	5/6/1995	5:00	0.08
Bonita	5/6/1995	8:00	0.08
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Bonita	6/15/1995	22:00	0.08
Bonita	6/15/1995	23:00	0.04
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Bonita	6/16/1995	17:00	0.04
Bonita	6/17/1995	12:00	0.04
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Bonita	11/1/1995	12:00	0.08
Bonita	12/13/1995	22:00	0.04
Bonita	12/16/1995	4:00	0.04
Bonita	12/20/1995	15:00	0.04
Bonita	12/23/1995	10:00	0.04
Bonita	12/23/1995	11:00	0.12
Bonita	1/16/1996	19:00	0.04
Bonita	1/16/1996	20:00	0.08
Bonita	1/16/1996	21:00	0.04
Bonita	1/16/1996	22:00	0.04
Bonita	1/21/1996	18:00	0.08
Bonita	1/21/1996	19:00	0.18
Bonita	1/21/1996	20:00	0.04
Bonita	1/25/1996	13:00	0.04
Bonita	1/25/1996	19:00	0.04
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Bonita	1/31/1996	6:00	0.04
Bonita	1/31/1996	8:00	0.08
Bonita	1/31/1996	16:00	0.12
Bonita	1/31/1996	19:00	0.08

Bonita	1/31/1996	21:00	0.08
Bonita	1/31/1996	23:00	0.12
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Bonita	2/1/1996	3:00	0.04
Bonita	2/1/1996	5:00	0.16
Bonita	2/1/1996	22:00	0.04
Bonita	2/12/1996	20:00	0.12
Bonita	2/21/1996	24:00	0.04
Bonita	2/22/1996	1:00	0.04
Bonita	2/25/1996	8:00	0.04
Bonita	2/25/1996	9:00	0.01
Bonita	2/25/1996	10:00	0.14
Bonita	2/25/1996	16:00	0.08
Bonita	2/25/1996	20:00	0.04
Bonita	2/25/1996	22:00	0.04
Bonita	2/25/1996	24:00	0.12
Bonita	2/26/1996	3:00	0.04
Bonita	2/26/1996	4:00	0.04
Bonita	2/27/1996	21:00	0.08
Bonita	2/28/1996	5:00	0.04
Bonita	3/4/1996	23:00	0.04
Bonita	3/5/1996	6:00	0.08
Bonita	3/12/1996	17:00	0.2
Bonita	3/12/1996	19:00	0.04
Bonita	3/12/1996	24:00	0.04
Bonita	3/13/1996	2:00	0.08
Bonita	3/13/1996	5:00	0.16
Bonita	3/13/1996	7:00	0.12
Bonita	3/13/1996	8:00	0.04
Bonita	3/13/1996	9:00	0.04
Bonita	3/13/1996	10:00	0.2
Bonita	3/13/1996	19:00	0.04
Bonita	3/13/1996	20:00	0.04
Bonita	3/13/1996	22:00	0.04
Bonita	3/13/1996	24:00	0.04
Bonita	4/1/1996	23:00	0.04
Bonita	4/17/1996	6:00	0.04
Bonita	4/17/1996	7:00	0.04
Bonita	4/18/1996	2:00	0.04
Bonita	4/18/1996	3:00	0.2
Bonita	9/26/1996	5:00	0.04
Bonita	10/26/1996	1:00	0.04
Bonita	10/26/1996	2:00	0.2
Bonita	10/26/1996	3:00	0.24
Bonita	10/30/1996	13:00	0.04
Bonita	10/30/1996	14:00	0.28
Bonita	10/30/1996	15:00	0.2
Bonita	10/30/1996	16:00	0.12
Bonita	10/30/1996	17:00	0.08
Bonita	11/21/1996	16:00	0.08

Bonita	11/21/1996	17:00	0.04
Bonita	11/21/1996	18:00	0.12
Bonita	11/21/1996	19:00	0.12
Bonita	11/21/1996	20:00	0.08
Bonita	11/21/1996	21:00	0.04
Bonita	11/21/1996	22:00	0.08
Bonita	11/21/1996	23:00	0.04
Bonita	11/21/1996	24:00	0.2
Bonita	11/22/1996	1:00	0.08
Bonita	11/22/1996	2:00	0.36
Bonita	11/22/1996	3:00	0.08
Bonita	11/22/1996	4:00	0.04
Bonita	11/22/1996	5:00	0.04
Bonita	11/22/1996	6:00	0.04
Bonita	11/22/1996	22:00	0.04
Bonita	11/23/1996	5:00	0.04
Bonita	11/28/1996	20:00	0.04
Bonita	12/5/1996	21:00	0.04
Bonita	12/5/1996	23:00	0.04
Bonita	12/5/1996	24:00	0.04
Bonita	12/6/1996	1:00	0.04
Bonita	12/6/1996	2:00	0.08
Bonita	12/6/1996	3:00	0.12
Bonita	12/6/1996	5:00	0.08
Bonita	12/6/1996	16:00	0.04
Bonita	12/7/1996	7:00	0.04
Bonita	12/9/1996	15:00	0.04
Bonita	12/9/1996	18:00	0.12
Bonita	12/10/1996	6:00	0.04
Bonita	12/10/1996	7:00	0.04
Bonita	12/10/1996	8:00	0.04
Bonita	12/11/1996	14:00	0.04
Bonita	12/11/1996	15:00	0.04
Bonita	12/11/1996	17:00	0.08
Bonita	12/22/1996	17:00	0.04
Bonita	12/23/1996	5:00	0.04
Bonita	12/28/1996	1:00	0.04
Bonita	1/3/1997	7:00	0.02
Bonita	1/12/1997	11:00	0.02
Bonita	1/12/1997	12:00	0.07
Bonita	1/12/1997	13:00	0.12
Bonita	1/12/1997	14:00	0.03
Bonita	1/12/1997	15:00	0.13
Bonita	1/12/1997	16:00	0.34
Bonita	1/12/1997	17:00	0.08
Bonita	1/12/1997	18:00	0.03
Bonita	1/12/1997	19:00	0.02
Bonita	1/12/1997	20:00	0.03
Bonita	1/12/1997	21:00	0.04
Bonita	1/13/1997	2:00	0.02

Bonita	1/13/1997	4:00	0.1
Bonita	1/13/1997	6:00	0.03
Bonita	1/15/1997	18:00	0.03
Bonita	1/15/1997	20:00	0.16
Bonita	1/15/1997	21:00	0.04
Bonita	1/15/1997	22:00	0.04
Bonita	1/16/1997	5:00	0.04
Bonita	1/23/1997	6:00	0.04
Bonita	1/23/1997	7:00	0.12
Bonita	1/23/1997	8:00	0.04
Bonita	1/23/1997	9:00	0.08
Bonita	1/23/1997	10:00	0.04
Bonita	1/23/1997	13:00	0.04
Bonita	1/25/1997	22:00	0.2
Bonita	1/25/1997	23:00	0.16
Bonita	1/25/1997	24:00	0.04
Bonita	1/26/1997	1:00	0.12
Bonita	1/26/1997	2:00	0.08
Bonita	1/26/1997	3:00	0.04
Bonita	1/26/1997	5:00	0.04
Bonita	1/26/1997	17:00	0.04
Bonita	1/26/1997	22:00	0.04
Bonita	1/27/1997	7:00	0.04
Bonita	2/10/1997	18:00	0.04
Bonita	2/10/1997	19:00	0.12
Bonita	2/10/1997	20:00	0.12
Bonita	2/18/1997	3:00	0.04
Bonita	2/28/1997	3:00	0.04
Bonita	4/2/1997	12:00	0.24
Bonita	4/2/1997	13:00	0.08
Bonita	4/2/1997	20:00	0.04
Bonita	4/3/1997	17:00	0.04
Bonita	4/3/1997	18:00	0.08
Bonita	8/10/1998	6:00	0.04
Bonita	9/3/1998	4:00	0.04
Bonita	10/25/1998	6:00	0.04
Bonita	10/30/1998	3:00	0.16
Bonita	10/30/1998	4:00	0.67
Bonita	11/8/1998	9:00	0.04
Bonita	11/8/1998	10:00	0.08
Bonita	11/8/1998	12:00	0.12
Bonita	11/8/1998	13:00	0.12
Bonita	11/8/1998	14:00	0.08
Bonita	11/8/1998	15:00	0.04
Bonita	11/28/1998	6:00	0.12
Bonita	11/28/1998	8:00	0.04
Bonita	11/28/1998	11:00	0.04
Bonita	11/28/1998	19:00	0.08
Bonita	12/1/1998	14:00	0.04
Bonita	12/1/1998	17:00	0.04

Bonita	12/1/1998	18:00	0.04
Bonita	12/3/1998	23:00	0.04
Bonita	12/3/1998	24:00	0.08
Bonita	12/5/1998	1:00	0.04
Bonita	12/5/1998	5:00	0.04
Bonita	12/6/1998	5:00	0.04
Bonita	12/6/1998	6:00	0.16
Bonita	12/19/1998	10:00	0.04
Bonita	12/19/1998	20:00	0.08
Bonita	1/20/1999	6:00	0.04
Bonita	1/20/1999	8:00	0.04
Bonita	1/20/1999	16:00	0.08
Bonita	1/20/1999	23:00	0.04
Bonita	1/21/1999	5:00	0.04
Bonita	1/25/1999	3:00	0.12
Bonita	1/25/1999	4:00	0.04
Bonita	1/25/1999	5:00	0.04
Bonita	1/25/1999	6:00	0.08
Bonita	1/25/1999	7:00	0.12
Bonita	1/25/1999	9:00	0.08
Bonita	1/25/1999	11:00	0.08
Bonita	1/25/1999	13:00	0.08
Bonita	1/25/1999	14:00	0.16
Bonita	1/25/1999	15:00	0.2
Bonita	1/25/1999	17:00	0.2
Bonita	1/25/1999	18:00	0.08
Bonita	1/25/1999	22:00	0.04
Bonita	1/26/1999	1:00	0.04
Bonita	1/26/1999	12:00	0.04
Bonita	1/26/1999	13:00	0.04
Bonita	1/26/1999	14:00	0.04
Bonita	1/26/1999	15:00	0.04
Bonita	1/26/1999	16:00	0.08
Bonita	1/26/1999	22:00	0.12
Bonita	1/26/1999	23:00	0.08
Bonita	1/27/1999	2:00	0.04
Bonita	1/27/1999	3:00	0.04
Bonita	2/4/1999	7:00	0.04
Bonita	2/4/1999	13:00	0.08
Bonita	2/4/1999	14:00	0.08
Bonita	2/4/1999	15:00	0.12
Bonita	2/5/1999	2:00	0.04
Bonita	2/5/1999	6:00	0.04
Bonita	2/5/1999	11:00	0.04
Bonita	2/9/1999	19:00	0.04
Bonita	3/3/1999	24:00	0.04
Bonita	3/4/1999	1:00	0.04
Bonita	3/7/1999	2:00	0.04
Bonita	3/7/1999	9:00	0.04
Bonita	3/11/1999	11:00	0.04

Bonita	3/11/1999	12:00	0.08
Bonita	3/15/1999	8:00	0.04
Bonita	3/15/1999	9:00	0.04
Bonita	3/15/1999	10:00	0.08
Bonita	3/15/1999	21:00	0.04
Bonita	3/23/1999	12:00	0.04
Bonita	3/23/1999	21:00	0.04
Bonita	3/25/1999	13:00	0.08
Bonita	3/25/1999	15:00	0.12
Bonita	3/25/1999	16:00	0.12
Bonita	3/25/1999	17:00	0.04
Bonita	3/25/1999	19:00	0.04
Bonita	3/25/1999	22:00	0.04
Bonita	4/1/1999	11:00	0.04
Bonita	4/1/1999	12:00	0.08
Bonita	4/1/1999	13:00	0.08
Bonita	4/1/1999	14:00	0.04
Bonita	4/1/1999	15:00	0.16
Bonita	4/1/1999	16:00	0.08
Bonita	4/1/1999	17:00	0.08
Bonita	4/1/1999	18:00	0.04
Bonita	4/1/1999	22:00	0.04
Bonita	4/3/1999	18:00	0.08
Bonita	4/6/1999	20:00	0.04
Bonita	4/7/1999	5:00	0.04
Bonita	4/7/1999	9:00	0.08
Bonita	4/11/1999	20:00	0.08
Bonita	4/11/1999	22:00	0.04
Bonita	4/12/1999	1:00	0.24
Bonita	4/12/1999	2:00	0.2
Bonita	4/12/1999	3:00	0.08
Bonita	6/3/1999	8:00	0.04
Bonita	6/3/1999	23:00	0.04
Bonita	7/8/1999	7:00	0.16
Bonita	8/27/1999	17:00	0.12
Bonita	9/21/1999	24:00	0.04
Bonita	2/11/2000	10:00	0.01
Bonita	2/11/2000	11:00	0.01
Bonita	2/11/2000	12:00	0.01
Bonita	2/11/2000	13:00	0.01
Bonita	2/11/2000	14:00	0.01
Bonita	2/11/2000	15:00	0.02
Bonita	2/11/2000	16:00	0.07
Bonita	2/11/2000	17:00	0.01
Bonita	2/11/2000	18:00	0.01
Bonita	2/11/2000	19:00	0.01
Bonita	2/12/2000	1:00	0.01
Bonita	2/12/2000	2:00	0.01
Bonita	2/12/2000	3:00	0.01
Bonita	2/12/2000	4:00	0.01

Bonita	2/12/2000	5:00	0.01
Bonita	2/12/2000	6:00	0.01
Bonita	2/12/2000	7:00	0.01
Bonita	2/12/2000	8:00	0.01
Bonita	2/12/2000	9:00	0.01
Bonita	2/12/2000	10:00	0.01
Bonita	2/12/2000	11:00	0.02
Bonita	2/12/2000	12:00	0.02
Bonita	2/12/2000	13:00	0.02
Bonita	2/12/2000	14:00	0.03
Bonita	2/12/2000	15:00	0.05
Bonita	2/12/2000	16:00	0.17
Bonita	2/12/2000	17:00	0.03
Bonita	2/12/2000	18:00	0.02
Bonita	2/12/2000	19:00	0.01
Bonita	2/12/2000	20:00	0.01
Bonita	2/12/2000	21:00	0.01
Bonita	2/12/2000	22:00	0.01
Bonita	2/12/2000	23:00	0.01
Bonita	2/12/2000	24:00	0.01
Bonita	2/13/2000	10:00	0.01
Bonita	2/13/2000	11:00	0.01
Bonita	2/13/2000	12:00	0.01
Bonita	2/13/2000	13:00	0.01
Bonita	2/13/2000	14:00	0.01
Bonita	2/13/2000	15:00	0.02
Bonita	2/13/2000	16:00	0.07
Bonita	2/13/2000	17:00	0.01
Bonita	2/13/2000	18:00	0.01
Bonita	2/13/2000	19:00	0.01
Bonita	2/16/2000	16:00	0.01
Bonita	2/17/2000	12:00	0.01
Bonita	2/17/2000	13:00	0.01
Bonita	2/17/2000	14:00	0.01
Bonita	2/17/2000	15:00	0.01
Bonita	2/17/2000	16:00	0.05
Bonita	2/17/2000	17:00	0.01
Bonita	2/20/2000	4:00	0.01
Bonita	2/20/2000	5:00	0.01
Bonita	2/20/2000	6:00	0.01
Bonita	2/20/2000	7:00	0.01
Bonita	2/20/2000	8:00	0.01
Bonita	2/20/2000	9:00	0.01
Bonita	2/20/2000	10:00	0.01
Bonita	2/20/2000	11:00	0.01
Bonita	2/20/2000	12:00	0.01
Bonita	2/20/2000	13:00	0.01
Bonita	2/20/2000	14:00	0.02
Bonita	2/20/2000	15:00	0.03
Bonita	2/20/2000	16:00	0.1

Bonita	2/20/2000	17:00	0.02
Bonita	2/20/2000	18:00	0.01
Bonita	2/20/2000	19:00	0.01
Bonita	2/20/2000	20:00	0.01
Bonita	2/20/2000	21:00	0.01
Bonita	2/21/2000	4:00	0.01
Bonita	2/21/2000	5:00	0.01
Bonita	2/21/2000	6:00	0.01
Bonita	2/21/2000	7:00	0.01
Bonita	2/21/2000	8:00	0.01
Bonita	2/21/2000	9:00	0.01
Bonita	2/21/2000	10:00	0.01
Bonita	2/21/2000	11:00	0.01
Bonita	2/21/2000	12:00	0.01
Bonita	2/21/2000	13:00	0.01
Bonita	2/21/2000	14:00	0.02
Bonita	2/21/2000	15:00	0.03
Bonita	2/21/2000	16:00	0.1
Bonita	2/21/2000	17:00	0.02
Bonita	2/21/2000	18:00	0.01
Bonita	2/21/2000	19:00	0.01
Bonita	2/21/2000	20:00	0.01
Bonita	2/21/2000	21:00	0.01
Bonita	2/22/2000	1:00	0.01
Bonita	2/22/2000	2:00	0.01
Bonita	2/22/2000	3:00	0.01
Bonita	2/22/2000	4:00	0.01
Bonita	2/22/2000	5:00	0.01
Bonita	2/22/2000	6:00	0.01
Bonita	2/22/2000	7:00	0.01
Bonita	2/22/2000	8:00	0.01
Bonita	2/22/2000	9:00	0.02
Bonita	2/22/2000	10:00	0.02
Bonita	2/22/2000	11:00	0.02
Bonita	2/22/2000	12:00	0.03
Bonita	2/22/2000	13:00	0.03
Bonita	2/22/2000	14:00	0.04
Bonita	2/22/2000	15:00	0.06
Bonita	2/22/2000	16:00	0.21
Bonita	2/22/2000	17:00	0.03
Bonita	2/22/2000	18:00	0.02
Bonita	2/22/2000	19:00	0.02
Bonita	2/22/2000	20:00	0.01
Bonita	2/22/2000	21:00	0.01
Bonita	2/22/2000	22:00	0.01
Bonita	2/22/2000	23:00	0.01
Bonita	2/22/2000	24:00	0.01
Bonita	2/24/2000	10:00	0.01
Bonita	2/24/2000	11:00	0.01
Bonita	2/24/2000	12:00	0.01

Bonita	2/24/2000	13:00	0.01
Bonita	2/24/2000	14:00	0.01
Bonita	2/24/2000	15:00	0.02
Bonita	2/24/2000	16:00	0.07
Bonita	2/24/2000	17:00	0.01
Bonita	2/24/2000	18:00	0.01
Bonita	2/24/2000	19:00	0.01
Bonita	2/28/2000	16:00	0.01
Bonita	3/1/2000	15:00	0.01
Bonita	3/1/2000	16:00	0.02
Bonita	3/3/2000	16:00	0.01
Bonita	3/4/2000	16:00	0.01
Bonita	3/5/2000	1:00	0.01
Bonita	3/5/2000	2:00	0.01
Bonita	3/5/2000	3:00	0.01
Bonita	3/5/2000	4:00	0.01
Bonita	3/5/2000	5:00	0.01
Bonita	3/5/2000	6:00	0.02
Bonita	3/5/2000	7:00	0.02
Bonita	3/5/2000	8:00	0.02
Bonita	3/5/2000	9:00	0.02
Bonita	3/5/2000	10:00	0.02
Bonita	3/5/2000	11:00	0.02
Bonita	3/5/2000	12:00	0.03
Bonita	3/5/2000	13:00	0.04
Bonita	3/5/2000	14:00	0.05
Bonita	3/5/2000	15:00	0.08
Bonita	3/5/2000	16:00	0.27
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Bonita	3/5/2000	18:00	0.03
Bonita	3/5/2000	19:00	0.02
Bonita	3/5/2000	20:00	0.02
Bonita	3/5/2000	21:00	0.01
Bonita	3/5/2000	22:00	0.01
Bonita	3/5/2000	23:00	0.01
Bonita	3/5/2000	24:00	0.01
Bonita	3/6/2000	16:00	0.01
Bonita	3/8/2000	10:00	0.01
Bonita	3/8/2000	11:00	0.01
Bonita	3/8/2000	12:00	0.01
Bonita	3/8/2000	13:00	0.01
Bonita	3/8/2000	14:00	0.01
Bonita	3/8/2000	15:00	0.02
Bonita	3/8/2000	16:00	0.07
Bonita	3/8/2000	17:00	0.01
Bonita	3/8/2000	18:00	0.01
Bonita	3/8/2000	19:00	0.01
Bonita	3/10/2000	7:00	0.04
Bonita	4/17/2000	17:00	0.16
Bonita	4/17/2000	18:00	0.12

Bonita	4/17/2000	19:00	0.12
Bonita	4/17/2000	20:00	0.08
Bonita	4/22/2000	3:00	0.04
Bonita	6/25/2000	9:00	0.04
Bonita	6/28/2000	10:00	0.04
Bonita	6/28/2000	11:00	0.08
Bonita	4/20/2001	24:00	0.04
Bonita	4/21/2001	1:00	0.04
Bonita	4/21/2001	2:00	0.04
Bonita	4/21/2001	4:00	0.08
Bonita	4/21/2001	5:00	0.04
Bonita	4/21/2001	10:00	0.04
Bonita	4/21/2001	13:00	0.04
Bonita	5/29/2001	23:00	0.04
Bonita	1/28/2002	5:00	0.12
Bonita	1/28/2002	6:00	0.08
Bonita	1/28/2002	24:00	0.04
Bonita	1/29/2002	7:00	0.04
Bonita	1/29/2002	11:00	0.04
Bonita	1/29/2002	18:00	0.04
Bonita	1/29/2002	21:00	0.04
Bonita	2/19/2002	11:00	0.08
Bonita	3/7/2002	17:00	0.16
Bonita	3/7/2002	23:00	0.04
Bonita	3/16/2002	5:00	0.04
Bonita	3/17/2002	23:00	0.2
Bonita	3/17/2002	24:00	0.04
Bonita	3/18/2002	5:00	0.04
Bonita	3/24/2002	1:00	0.04
Bonita	3/24/2002	2:00	0.04
Bonita	4/6/2002	6:00	0.04
Bonita	4/24/2002	10:00	0.04
Bonita	4/24/2002	12:00	0.12
Bonita	4/26/2002	8:00	0.04
Bonita	4/26/2002	9:00	0.04
Bonita	2/8/2003	12:00	0.01
Bonita	2/8/2003	13:00	0.01
Bonita	2/8/2003	14:00	0.01
Bonita	2/8/2003	15:00	0.01
Bonita	2/8/2003	16:00	0.05
Bonita	2/8/2003	17:00	0.01
Bonita	3/15/2003	2:00	0.16
Bonita	3/15/2003	15:00	0.04
Bonita	3/15/2003	16:00	0.28
Bonita	3/15/2003	17:00	0.2
Bonita	3/15/2003	18:00	0.2
Bonita	3/15/2003	19:00	0.12
Bonita	3/15/2003	20:00	0.04
Bonita	3/15/2003	21:00	0.04
Bonita	3/15/2003	23:00	0.04

Bonita	3/15/2003	24:00	0.12
Bonita	3/16/2003	1:00	0.24
Bonita	3/16/2003	2:00	0.04
Bonita	3/16/2003	3:00	0.08
Bonita	3/16/2003	5:00	0.08
Bonita	3/16/2003	6:00	0.08
Bonita	3/16/2003	11:00	0.04
Bonita	4/13/2003	6:00	0.08
Bonita	4/13/2003	10:00	0.04
Bonita	4/14/2003	15:00	0.04
Bonita	4/14/2003	16:00	0.28
Bonita	4/14/2003	17:00	0.16
Bonita	4/14/2003	18:00	0.2
Bonita	4/14/2003	19:00	0.16
Bonita	4/14/2003	23:00	0.08
Bonita	4/15/2003	1:00	0.04
Bonita	4/15/2003	6:00	0.04
Bonita	4/17/2003	9:00	0.04
Bonita	4/17/2003	15:00	0.12
Bonita	4/22/2003	19:00	0.04
Bonita	5/3/2003	6:00	0.04
Bonita	5/3/2003	7:00	0.08
Bonita	5/3/2003	13:00	0.12
Bonita	5/8/2003	6:00	0.04
Bonita	6/20/2003	5:00	0.04
Bonita	6/20/2003	8:00	0.04
Bonita	11/1/2003	5:00	0.04
Bonita	11/1/2003	6:00	0.04
Bonita	11/12/2003	3:00	0.08
Bonita	11/12/2003	4:00	0.08
Bonita	11/12/2003	5:00	0.04
Bonita	11/12/2003	6:00	0.08
Bonita	11/12/2003	7:00	0.08
Bonita	11/12/2003	8:00	0.08
Bonita	11/15/2003	24:00	0.04
Bonita	12/7/2003	20:00	0.04
Bonita	12/7/2003	23:00	0.04
Bonita	12/7/2003	24:00	0.08
Bonita	12/24/2003	24:00	0.08
Bonita	12/25/2003	5:00	0.04
Bonita	12/25/2003	11:00	0.04
Bonita	12/25/2003	17:00	0.04
Bonita	12/25/2003	18:00	0.04
Bonita	12/25/2003	19:00	0.04
Bonita	12/26/2003	9:00	0.04
Bonita	1/2/2004	19:00	0.04
Bonita	1/2/2004	22:00	0.16
Bonita	1/2/2004	23:00	0.08
Bonita	1/3/2004	9:00	0.04
Bonita	1/25/2004	4:00	0.08

Bonita	1/25/2004	9:00	0.04
Bonita	1/28/2004	8:00	0.04
Bonita	2/2/2004	23:00	0.16
Bonita	2/2/2004	24:00	0.12
Bonita	2/3/2004	1:00	0.04
Bonita	2/3/2004	2:00	0.04
Bonita	2/3/2004	8:00	0.04
Bonita	2/14/2004	11:00	0.04
Bonita	2/14/2004	12:00	0.04
Bonita	2/18/2004	16:00	0.28
Bonita	2/21/2004	16:00	0.04
Bonita	2/21/2004	18:00	0.04
Bonita	2/22/2004	8:00	0.08
Bonita	2/22/2004	9:00	0.24
Bonita	2/22/2004	10:00	0.04
Bonita	2/22/2004	11:00	0.2
Bonita	2/22/2004	12:00	0.24
Bonita	2/22/2004	13:00	0.47
Bonita	2/22/2004	14:00	0.16
Bonita	2/22/2004	17:00	0.36
Bonita	2/22/2004	18:00	0.04
Bonita	2/22/2004	21:00	0.12
Bonita	2/23/2004	1:00	0.12
Bonita	2/23/2004	5:00	0.08
Bonita	2/23/2004	21:00	0.04
Bonita	2/26/2004	4:00	0.04
Bonita	2/26/2004	6:00	0.08
Bonita	2/26/2004	7:00	0.12
Bonita	2/26/2004	8:00	0.24
Bonita	2/26/2004	9:00	0.04
Bonita	2/26/2004	11:00	0.04
Bonita	2/27/2004	6:00	0.04
Bonita	2/28/2004	3:00	0.04
Bonita	3/1/2004	23:00	0.04
Bonita	3/1/2004	24:00	0.04
Bonita	3/2/2004	2:00	0.04
Bonita	3/2/2004	3:00	0.44
Bonita	3/2/2004	4:00	0.08
Bonita	3/3/2004	12:00	0.04
Bonita	4/1/2004	22:00	0.04
Bonita	4/1/2004	23:00	0.16
Bonita	4/17/2004	11:00	0.04
Bonita	4/17/2004	12:00	0.12
Bonita	4/17/2004	13:00	0.04
Bonita	10/17/2004	3:00	0.08
Bonita	10/17/2004	4:00	0.12
Bonita	10/17/2004	6:00	0.04
Bonita	10/17/2004	9:00	0.04
Bonita	10/18/2004	13:00	0.08
Bonita	10/18/2004	14:00	0.04

Bonita	10/19/2004	3:00	0.04
Bonita	10/19/2004	4:00	0.12
Bonita	10/19/2004	5:00	0.08
Bonita	10/19/2004	6:00	0.12
Bonita	10/19/2004	7:00	0.08
Bonita	10/19/2004	8:00	0.2
Bonita	10/19/2004	9:00	0.2
Bonita	10/19/2004	10:00	0.12
Bonita	10/19/2004	11:00	0.2
Bonita	10/19/2004	12:00	0.08
Bonita	10/19/2004	15:00	0.2
Bonita	10/19/2004	21:00	0.04
Bonita	10/20/2004	4:00	0.04
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Bonita	10/20/2004	12:00	0.2
Bonita	10/20/2004	13:00	0.2
Bonita	10/20/2004	14:00	0.16
Bonita	10/20/2004	15:00	0.28
Bonita	10/20/2004	16:00	0.04
Bonita	10/20/2004	20:00	0.08
Bonita	10/20/2004	21:00	0.04
Bonita	10/21/2004	4:00	0.08
Bonita	10/21/2004	5:00	0.12
Bonita	10/27/2004	4:00	0.08
Bonita	10/27/2004	5:00	0.32
Bonita	10/27/2004	6:00	0.24
Bonita	10/27/2004	7:00	0.16
Bonita	10/27/2004	8:00	0.28
Bonita	10/27/2004	9:00	0.16
Bonita	10/28/2004	1:00	0.08
Bonita	10/28/2004	5:00	0.04
Bonita	10/28/2004	10:00	0.04
Bonita	10/28/2004	11:00	0.08
Bonita	10/28/2004	12:00	0.04
Bonita	11/21/2004	9:00	0.04
Bonita	12/4/2004	14:00	0.04
Bonita	12/5/2004	11:00	0.04
Bonita	12/7/2004	22:00	0.04
Bonita	12/7/2004	23:00	0.14
Bonita	12/7/2004	24:00	0.02
Bonita	12/8/2004	1:00	0.01
Bonita	12/8/2004	2:00	0.01
Bonita	12/8/2004	3:00	0.01
Bonita	12/8/2004	4:00	0.01
Bonita	12/8/2004	5:00	0.01
Bonita	12/8/2004	6:00	0.01
Bonita	12/8/2004	7:00	0.01
Bonita	12/8/2004	8:00	0.01
Bonita	12/8/2004	9:00	0.01

Bonita	12/8/2004	10:00	0.01
Bonita	12/8/2004	11:00	0.01
Bonita	12/8/2004	12:00	0.01
Bonita	12/8/2004	13:00	0.01
Bonita	12/8/2004	14:00	0.01
Bonita	12/8/2004	15:00	0.02
Bonita	12/8/2004	16:00	0.07
Bonita	12/8/2004	17:00	0.01
Bonita	12/8/2004	18:00	0.01
Bonita	12/8/2004	19:00	0.01
Bonita	12/8/2004	20:00	0.01
Bonita	12/8/2004	21:00	0.01
Bonita	12/8/2004	22:00	0.01
Bonita	12/28/2004	8:00	0.12
Bonita	12/28/2004	9:00	0.12
Bonita	12/28/2004	11:00	0.04
Bonita	12/28/2004	17:00	0.4
Bonita	12/28/2004	20:00	0.08
Bonita	12/28/2004	21:00	0.2
Bonita	12/28/2004	24:00	0.2
Bonita	12/29/2004	1:00	0.2
Bonita	12/29/2004	2:00	0.2
Bonita	12/29/2004	3:00	0.28
Bonita	12/29/2004	4:00	0.2
Bonita	12/29/2004	9:00	0.04
Bonita	12/29/2004	16:00	0.04
Bonita	12/29/2004	20:00	0.04
Bonita	12/31/2004	16:00	0.08
Bonita	12/31/2004	17:00	0.12
Bonita	12/31/2004	18:00	0.04
Bonita	1/3/2005	5:00	0.04
Bonita	1/3/2005	6:00	0.04
Bonita	1/3/2005	7:00	0.16
Bonita	1/3/2005	8:00	0.24
Bonita	1/3/2005	9:00	0.44
Bonita	1/3/2005	10:00	0.04
Bonita	1/4/2005	1:00	0.04
Bonita	1/4/2005	2:00	0.08
Bonita	1/4/2005	4:00	0.04
Bonita	1/4/2005	5:00	0.36
Bonita	1/4/2005	8:00	0.04
Bonita	1/4/2005	9:00	0.16
Bonita	1/4/2005	10:00	0.04
Bonita	1/7/2005	10:00	0.08
Bonita	1/7/2005	11:00	0.04
Bonita	1/7/2005	13:00	0.12
Bonita	1/7/2005	14:00	0.04
Bonita	1/7/2005	21:00	0.04
Bonita	1/8/2005	6:00	0.04
Bonita	1/8/2005	24:00	0.04

Bonita	1/9/2005	3:00	0.04
Bonita	1/9/2005	4:00	0.04
Bonita	1/9/2005	8:00	0.04
Bonita	1/9/2005	18:00	0.04
Bonita	1/9/2005	19:00	0.08
Bonita	1/9/2005	20:00	0.2
Bonita	1/9/2005	21:00	0.04
Bonita	1/10/2005	8:00	0.04
Bonita	1/11/2005	1:00	0.04
Bonita	1/11/2005	2:00	0.08
Bonita	1/11/2005	3:00	0.16
Bonita	1/11/2005	4:00	0.2
Bonita	1/11/2005	6:00	0.56
Bonita	1/11/2005	7:00	0.24
Bonita	1/11/2005	8:00	0.04
Bonita	1/27/2005	6:00	0.04
Bonita	1/28/2005	15:00	0.04
Bonita	1/28/2005	16:00	0.16
Bonita	1/28/2005	18:00	0.08
Bonita	1/29/2005	4:00	0.04
Bonita	2/10/2005	24:00	0.08
Bonita	2/11/2005	1:00	0.08
Bonita	2/11/2005	5:00	0.04
Bonita	2/11/2005	6:00	0.04
Bonita	2/11/2005	7:00	0.04
Bonita	2/11/2005	9:00	0.28
Bonita	2/11/2005	10:00	0.08
Bonita	2/11/2005	11:00	0.04
Bonita	2/11/2005	12:00	0.04
Bonita	2/11/2005	14:00	0.04
Bonita	2/11/2005	16:00	0.04
Bonita	2/11/2005	17:00	0.04
Bonita	2/11/2005	20:00	0.08
Bonita	2/11/2005	23:00	0.08
Bonita	2/12/2005	1:00	0.04
Bonita	2/12/2005	4:00	0.04
Bonita	2/12/2005	5:00	0.08
Bonita	2/12/2005	6:00	0.08
Bonita	2/12/2005	7:00	0.08
Bonita	2/12/2005	11:00	0.08
Bonita	2/12/2005	14:00	0.08
Bonita	2/12/2005	15:00	0.12
Bonita	2/12/2005	16:00	0.04
Bonita	2/17/2005	24:00	0.04
Bonita	2/18/2005	3:00	0.2
Bonita	2/18/2005	4:00	0.12
Bonita	2/18/2005	5:00	0.08
Bonita	2/18/2005	6:00	0.04
Bonita	2/19/2005	10:00	0.04
Bonita	2/19/2005	15:00	0.12

Bonita	2/20/2005	4:00	0.08
Bonita	2/20/2005	6:00	0.08
Bonita	2/20/2005	7:00	0.08
Bonita	2/20/2005	9:00	0.04
Bonita	2/21/2005	4:00	0.12
Bonita	2/21/2005	5:00	0.28
Bonita	2/21/2005	6:00	0.04
Bonita	2/21/2005	10:00	0.44
Bonita	2/21/2005	11:00	0.4
Bonita	2/21/2005	12:00	0.08
Bonita	2/21/2005	18:00	0.12
Bonita	2/22/2005	1:00	0.08
Bonita	2/22/2005	2:00	0.04
Bonita	2/22/2005	6:00	0.08
Bonita	2/22/2005	7:00	0.04
Bonita	2/22/2005	16:00	0.04
Bonita	2/22/2005	17:00	0.08
Bonita	2/22/2005	18:00	0.12
Bonita	2/22/2005	19:00	0.04
Bonita	2/22/2005	20:00	0.2
Bonita	2/22/2005	23:00	0.12
Bonita	2/22/2005	24:00	0.36
Bonita	2/23/2005	2:00	0.08
Bonita	2/23/2005	6:00	0.04
Bonita	3/4/2005	16:00	0.08
Bonita	3/4/2005	17:00	0.16
Bonita	3/4/2005	18:00	0.04
Bonita	3/4/2005	19:00	0.08
Bonita	3/4/2005	20:00	0.12
Bonita	3/4/2005	21:00	0.08
Bonita	3/4/2005	22:00	0.28
Bonita	3/4/2005	23:00	0.28
Bonita	3/4/2005	24:00	0.2
Bonita	3/5/2005	1:00	0.12
Bonita	3/5/2005	2:00	0.04
Bonita	3/14/2005	5:00	0.08
Bonita	3/20/2005	5:00	0.04
Bonita	3/22/2005	19:00	0.04
Bonita	3/22/2005	20:00	0.08
Bonita	3/22/2005	21:00	0.24
Bonita	3/22/2005	22:00	0.08
Bonita	3/22/2005	23:00	0.08
Bonita	3/23/2005	1:00	0.04
Bonita	3/24/2005	15:00	0.04
Bonita	4/8/2005	22:00	0.04
Bonita	4/24/2005	3:00	0.04
Bonita	4/28/2005	8:00	0.12
Bonita	4/28/2005	9:00	0.12
Bonita	4/28/2005	22:00	0.04
Bonita	9/20/2005	5:00	0.04

Bonita	10/17/2005	13:00	0.12
Bonita	10/17/2005	22:00	0.04
Bonita	10/17/2005	23:00	0.08
Bonita	10/17/2005	24:00	0.08
Bonita	10/18/2005	3:00	0.04
Bonita	10/18/2005	12:00	0.12
Bonita	12/3/2005	1:00	0.04
Bonita	1/1/2006	8:00	0.08
Bonita	1/1/2006	23:00	0.04
Bonita	1/2/2006	1:00	0.04
Bonita	1/2/2006	10:00	0.04
Bonita	1/2/2006	13:00	0.04
Bonita	1/2/2006	14:00	0.04
Bonita	1/2/2006	16:00	0.04
Bonita	2/19/2006	3:00	0.08
Bonita	2/19/2006	4:00	0.08
Bonita	2/19/2006	5:00	0.04
Bonita	2/19/2006	12:00	0.04
Bonita	2/27/2006	18:00	0.04
Bonita	2/27/2006	22:00	0.16
Bonita	2/27/2006	23:00	0.16
Bonita	2/27/2006	24:00	0.16
Bonita	2/28/2006	1:00	0.04
Bonita	2/28/2006	2:00	0.04
Bonita	2/28/2006	3:00	0.04
Bonita	2/28/2006	7:00	0.12
Bonita	2/28/2006	8:00	0.04
Bonita	2/28/2006	9:00	0.08
Bonita	2/28/2006	10:00	0.08
Bonita	2/28/2006	11:00	0.04
Bonita	3/7/2006	3:00	0.04
Bonita	3/7/2006	4:00	0.04
Bonita	3/10/2006	20:00	0.12
Bonita	3/10/2006	23:00	0.04
Bonita	3/11/2006	1:00	0.04
Bonita	3/11/2006	2:00	0.2
Bonita	3/11/2006	5:00	0.08
Bonita	3/11/2006	6:00	0.08
Bonita	3/11/2006	8:00	0.04
Bonita	3/11/2006	12:00	0.12
Bonita	3/11/2006	13:00	0.04
Bonita	3/13/2006	3:00	0.04
Bonita	3/17/2006	22:00	0.04
Bonita	3/17/2006	23:00	0.04
Bonita	3/19/2006	1:00	0.04
Bonita	3/19/2006	19:00	0.04
Bonita	3/19/2006	20:00	0.04
Bonita	3/19/2006	22:00	0.04
Bonita	3/21/2006	1:00	0.04
Bonita	3/21/2006	2:00	0.08

Bonita	3/21/2006	7:00	0.08
Bonita	3/26/2006	2:00	0.04
Bonita	3/28/2006	22:00	0.08
Bonita	3/28/2006	23:00	0.16
Bonita	3/28/2006	24:00	0.08
Bonita	3/29/2006	1:00	0.04
Bonita	4/4/2006	17:00	0.08
Bonita	4/4/2006	18:00	0.24
Bonita	4/4/2006	19:00	0.12
Bonita	4/4/2006	22:00	0.2
Bonita	4/4/2006	24:00	0.08
Bonita	4/5/2006	1:00	0.04
Bonita	4/5/2006	2:00	0.04
Bonita	4/5/2006	4:00	0.04
Bonita	4/5/2006	6:00	0.04
Bonita	4/5/2006	8:00	0.08
Bonita	4/14/2006	13:00	0.16
Bonita	4/15/2006	2:00	0.04
Bonita	4/15/2006	9:00	0.04
Bonita	4/23/2006	2:00	0.08
Bonita	4/23/2006	6:00	0.04
Bonita	5/22/2006	3:00	0.28
Bonita	5/22/2006	4:00	0.32
Bonita	5/22/2006	14:00	0.04
Bonita	7/31/2006	4:00	0.04
Bonita	7/31/2006	7:00	0.04
Bonita	10/13/2006	23:00	0.08
Bonita	10/14/2006	2:00	0.12
Bonita	10/14/2006	3:00	0.2
Bonita	10/14/2006	4:00	0.08
Bonita	10/14/2006	10:00	0.12
Bonita	10/14/2006	11:00	0.04
Bonita	11/18/2006	8:00	0.04
Bonita	11/27/2006	12:00	0.04
Bonita	12/9/2006	24:00	0.12
Bonita	12/16/2006	19:00	0.04
Bonita	12/16/2006	20:00	0.08
Bonita	12/17/2006	5:00	0.08
Bonita	12/17/2006	7:00	0.04
Bonita	12/22/2006	24:00	0.04
Bonita	12/27/2006	7:00	0.12
Bonita	12/27/2006	20:00	0.08
Bonita	1/4/2007	21:00	0.04
Bonita	1/29/2007	20:00	0.12
Bonita	1/29/2007	21:00	0.04
Bonita	1/30/2007	8:00	0.08
Bonita	1/30/2007	10:00	0.08
Bonita	1/30/2007	13:00	0.04
Bonita	1/30/2007	15:00	0.08
Bonita	1/30/2007	24:00	0.12

Bonita	1/31/2007	1:00	0.2
Bonita	1/31/2007	3:00	0.08
Bonita	1/31/2007	7:00	0.04
Bonita	2/12/2007	20:00	0.04
Bonita	2/18/2007	23:00	0.16
Bonita	2/19/2007	1:00	0.08
Bonita	2/19/2007	4:00	0.04
Bonita	2/19/2007	6:00	0.04
Bonita	2/19/2007	7:00	0.08
Bonita	2/19/2007	9:00	0.12
Bonita	2/19/2007	10:00	0.12
Bonita	2/19/2007	11:00	0.2
Bonita	2/19/2007	12:00	0.28
Bonita	2/19/2007	15:00	0.12
Bonita	2/19/2007	18:00	0.04
Bonita	2/19/2007	19:00	0.04
Bonita	2/19/2007	20:00	0.04
Bonita	2/19/2007	21:00	0.08
Bonita	2/19/2007	22:00	0.12
Bonita	2/19/2007	23:00	0.04
Bonita	2/22/2007	20:00	0.04
Bonita	2/22/2007	21:00	0.12
Bonita	2/22/2007	24:00	0.04
Bonita	2/23/2007	7:00	0.04
Bonita	2/27/2007	19:00	0.12
Bonita	2/28/2007	3:00	0.04
Bonita	2/28/2007	15:00	0.16
Bonita	3/21/2007	1:00	0.04
Bonita	3/21/2007	5:00	0.04
Bonita	3/21/2007	6:00	0.04
Bonita	3/21/2007	8:00	0.04
Bonita	3/21/2007	9:00	0.04
Bonita	3/22/2007	17:00	0.04
Bonita	3/22/2007	18:00	0.08
Bonita	4/20/2007	14:00	0.08
Bonita	4/20/2007	15:00	0.16
Bonita	4/20/2007	17:00	0.04
Bonita	4/20/2007	18:00	0.12
Bonita	4/20/2007	22:00	0.04
Bonita	4/20/2007	24:00	0.04
Bonita	4/22/2007	24:00	0.04
Bonita	4/23/2007	1:00	0.04
Bonita	5/14/2007	23:00	0.04
Bonita	9/22/2007	10:00	0.04
Bonita	10/13/2007	6:00	0.04
Bonita	10/13/2007	9:00	0.04
Bonita	11/30/2007	7:00	0.12
Bonita	11/30/2007	8:00	0.04
Bonita	11/30/2007	9:00	0.04
Bonita	11/30/2007	10:00	0.04

Bonita	11/30/2007	12:00	0.16
Bonita	11/30/2007	13:00	0.2
Bonita	11/30/2007	14:00	0.04
Bonita	11/30/2007	15:00	0.04
Bonita	11/30/2007	21:00	0.36
Bonita	11/30/2007	22:00	0.24
Bonita	12/7/2007	6:00	0.08
Bonita	12/7/2007	7:00	0.12
Bonita	12/7/2007	8:00	0.24
Bonita	12/7/2007	9:00	0.08
Bonita	12/8/2007	7:00	0.04
Bonita	12/8/2007	17:00	0.08
Bonita	12/11/2007	2:00	0.04
Bonita	12/11/2007	3:00	0.04
Bonita	12/19/2007	3:00	0.04
Bonita	12/20/2007	22:00	0.04
Bonita	1/5/2008	4:00	0.16
Bonita	1/5/2008	7:00	0.08
Bonita	1/5/2008	8:00	0.04
Bonita	1/5/2008	9:00	0.08
Bonita	1/5/2008	10:00	0.04
Bonita	1/5/2008	11:00	0.04
Bonita	1/5/2008	12:00	0.04
Bonita	1/5/2008	13:00	0.04
Bonita	1/5/2008	14:00	0.08
Bonita	1/5/2008	16:00	0.04
Bonita	1/6/2008	2:00	0.08
Bonita	1/6/2008	5:00	0.12
Bonita	1/6/2008	6:00	0.08
Bonita	1/6/2008	18:00	0.2
Bonita	1/6/2008	19:00	0.04
Bonita	1/6/2008	21:00	0.04
Bonita	1/6/2008	23:00	0.04
Bonita	1/6/2008	24:00	0.16
Bonita	1/7/2008	1:00	0.12
Bonita	1/7/2008	2:00	0.08
Bonita	1/7/2008	3:00	0.04
Bonita	1/7/2008	4:00	0.12
Bonita	1/7/2008	9:00	0.04
Bonita	1/22/2008	4:00	0.08
Bonita	1/23/2008	19:00	0.12
Bonita	1/23/2008	20:00	0.16
Bonita	1/23/2008	21:00	0.12
Bonita	1/24/2008	10:00	0.04
Bonita	1/26/2008	21:00	0.12
Bonita	1/26/2008	22:00	0.04
Bonita	1/26/2008	23:00	0.08
Bonita	1/26/2008	24:00	0.08
Bonita	1/27/2008	1:00	0.04
Bonita	1/27/2008	3:00	0.08

```
Bonita           1/27/2008  5:00       0.12
Bonita           1/27/2008  6:00       0.1
Bonita           1/27/2008  7:00       0.06
Bonita           1/27/2008  8:00       0.04
Bonita           1/27/2008  9:00       0.04
Bonita           1/30/2008  21:00      0.08
Bonita           2/3/2008   7:00       0.04
Bonita           2/3/2008   8:00       0.08
Bonita           2/3/2008   9:00       0.12
Bonita           2/3/2008   10:00      0.08
Bonita           2/3/2008   11:00      0.04
Bonita           2/3/2008   12:00      0.08
Bonita           2/3/2008   13:00      0.04
Bonita           2/3/2008   15:00      0.12
Bonita           2/3/2008   16:00      0.04
Bonita           2/3/2008   17:00      0.04
Bonita           2/3/2008   24:00      0.04
Bonita           2/4/2008   1:00       0.04
Bonita           2/4/2008   9:00       0.04
Bonita           2/14/2008  13:00      0.2
Bonita           2/14/2008  16:00      0.12
Bonita           2/22/2008  7:00       0.08
Bonita           2/24/2008  9:00       0.08
Bonita           2/24/2008  10:00      0.04
Bonita           2/24/2008  11:00      0.04
Bonita           2/24/2008  12:00      0.04
Bonita           3/15/2008  19:00      0.16
Bonita           3/15/2008  20:00      0.08
Bonita           3/16/2008  4:00       0.04
Bonita           3/16/2008  5:00       0.08
Bonita           3/16/2008  6:00       0.08
Bonita           3/30/2008  1:00       0.04
Bonita           3/30/2008  6:00       0.04
Bonita           5/23/2008  17:00      0.04
Bonita           5/25/2008  22:00      0.04

[REPORT]
;;Reporting Options
SUBCATCHMENTS ALL
NODES ALL
LINKS ALL

[TAGS]

[MAP]
DIMENSIONS -2877.832 0.000 10741.497 10000.000
Units      None

[COORDINATES]
;;Node           X-Coord            Y-Coord
```

```
;;-------------- ------------------ ------------------
POC1             -1925.310          6512.315

[VERTICES]
;;Link           X-Coord            Y-Coord
;;-------------- ------------------ ------------------

[Polygons]
;;Subcatchment   X-Coord            Y-Coord
;;-------------- ------------------ ------------------
SUB1             719.320            8430.983
SUB1             612.909            7669.742
SUB1             471.058            7497.517
SUB1             500.849            5590.864
SUB1             34.117             5610.725
SUB1             133.421            5243.297
SUB1             24.186             4766.634
SUB1             4.325              3157.895
SUB1             401.545            3545.184
SUB1             371.753            1171.797
SUB1             2149.310           1102.284
SUB1             2645.834           973.188
SUB1             3708.397           953.327
SUB1             4631.932           585.899
SUB1             5108.595           556.107
SUB1             5128.456           973.188
SUB1             8097.672           933.466
SUB1             8157.255           3664.350
SUB1             8415.447           3892.751
SUB1             8534.091           7600.777
SUB1             6376.456           8132.796
SUB1             3233.598           8507.181
SUB1             2844.444           8460.775

[SYMBOLS]
;;Gage           X-Coord            Y-Coord
;;-------------- ------------------ ------------------
Bonita           -2285.714          9231.527


[BACKDROP]
FILE       "BACKGROUND IMAGES\EXISTING CONDITION.PNG"
DIMENSIONS -2807.786 0.000 10671.451 10000.000
```

Attachment 4

SWMM Output – Proposed Conditions

EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)

****
Analysis Options
****
Flow Units ..... CFS
Process Models:
  Rainfall/Runoff ..... YES
  RDII ..... NO
  Snowmelt ..... NO
  Groundwater ..... NO
  Flow Routing ..... YES
  Ponding Allowed ..... NO
  Water Quality ..... NO
Infiltration Method ..... GREEN_AMPT
Flow Routing Method ..... KINWAVE
Starting Date 10/03/1970 00:00:00
Ending Date 05/25/2008 23:00:00
Antecedent Dry Days 0.0
Report Time Step 01:00:00
Wet Time Step 00:05:00
Dry Time Step 01:00:00
Routing Time Step ..... 30.00 sec

********** Runoff Quantity Continuity **********	Volume acre-feet	Depth inches
Initial LID Storage	0.233	0.077
Total Precipitation	1026.927	339.110
Evaporation Loss	254.203	83.943
Infiltration Loss	83.998	27.738
Surface Runoff	241.776	79.839
LID Drainage	447.384	147.734
Final Storage	0.323	0.107
Continuity Error (%)	-0.051	

********** Flow Routing Continuity **********	Volume acre-feet	Volume 10^6 gal
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	689.160	224.573
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	0.000	0.000
External Outflow	689.154	224.571
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000

```
  Final Stored Volume ......          0.002         0.001
  Continuity Error (%) .....          0.001


  ********************************
  Highest Flow Instability Indexes
  ********************************
  All links are stable.


  *************************
  Routing Time Step Summary
  *************************
  Minimum Time Step           :    30.00 sec
  Average Time Step           :    30.00 sec
  Maximum Time Step           :    30.00 sec
  % of Time in Steady State   :     0.00
  Average Iterations per Step :     1.00
  % of Steps Not Converging   :     0.00


  ***************************
  Subcatchment Runoff Summary
  ***************************

  ---------------------------------------------------------------------------
-----------------------------------------------------------
                             Total      Total      Total      Total
Imperv       Perv      Total       Total     Peak  Runoff
                          Precip      Runon       Evap      Infil
Runoff     Runoff     Runoff      Runoff   Runoff   Coeff
  Subcatchment                in         in         in         in
in         in         in    10^6 gal      CFS
  ---------------------------------------------------------------------------
-----------------------------------------------------------
  BMP2                     339.11   10372.62     649.33       0.00
0.00       0.00   10061.98       12.84     2.79   0.939
  SUB2                     339.11       0.00      37.17     165.74
107.52      28.93     136.44       13.24     2.97   0.402
  SUB1                     339.11       0.00      71.36      13.07
251.57       3.26     254.83      211.92    33.39   0.751
  BMP1                     339.11    8733.66     695.80       0.00
0.00       0.00    8376.64      203.25    34.17   0.923
  SUB3                     339.11       0.00      66.69      13.02
256.36       3.34     259.70        8.46     1.32   0.766


  ***********************
  LID Performance Summary
  ***********************

  ---------------------------------------------------------------------------
-------------------------------------------
```

Subcatchment	Surface Outflow in	Drain Outflow in	Initial Storage in	Final Storage in	Total Continuity Inflow Error %	Evap Loss in	Infil Loss in
BMP2	1272.17	8790.18	BMP2 2.40	2.50	10711.73 -0.00	649.35	0.00
BMP1	2831.22	5545.73	BMP1 3.00	3.07	9072.77 -0.00	695.83	0.00

****
Node Depth Summary
****

Node	Type	Average Depth Feet	Maximum Depth Feet	Maximum HGL Feet	Time of Max Occurrence days hr:min	Reported Max Depth Feet
POC1	OUTFALL	0.00	0.00	0.00	0 00:00	0.00
1	STORAGE	0.13	2.93	2.93	4532 18:05	2.93
2	STORAGE	0.00	0.81	0.81	4532 17:08	0.77

****
Node Inflow Summary
****

Node	Type	Maximum Lateral Inflow CFS	Maximum Total Inflow CFS	Time of Max Occurrence days hr:min	Lateral Inflow Volume 10^6 gal	Total Inflow Volume 10^6 gal	Flow Balance Error Percent
POC1	OUTFALL	1.61	10.04	4532 17:25	154	225	0.000

```
  1                    STORAGE      33.95    33.95  4532  17:00
68.7        68.7       0.001
  2                    STORAGE       2.71     2.71  4532  17:05
1.62        1.62       0.028


  **********
  Node Flooding Summary
  **********

  No nodes were flooded.


  **********
  Storage Volume Summary
  **********

  ------------------------------------------------------------------------
-------------------------
                          Average    Avg   Evap  Exfil     Maximum    Max
Time of Max    Maximum
                           Volume   Pcnt   Pcnt   Pcnt      Volume   Pcnt
Occurrence    Outflow
  Storage Unit          1000 ft³   Full   Loss   Loss    1000 ft³   Full
days hr:min        CFS
  ------------------------------------------------------------------------
-------------------------
  1                        5.583    2.1    0.0    0.0     135.111   51.6
4532  18:05       8.31
  2                        0.003    0.0    0.0    0.0       2.226   19.1
4532  17:08       2.41


  **********
  Outfall Loading Summary
  **********

  ------------------------------------------------------------
                          Flow       Avg       Max       Total
                          Freq      Flow      Flow      Volume
  Outfall Node            Pcnt       CFS       CFS    10^6 gal
  ------------------------------------------------------------
  POC1                   29.08      0.09     10.04     224.554
  ------------------------------------------------------------
  System                 29.08      0.09     10.04     224.554


  **********
  Link Flow Summary
  **********

  ------------------------------------------------------------------------
------
```

Link	Type	Maximum |Flow| CFS	Time of Max Occurrence days	hr:min	Maximum |Veloc| ft/sec	Max/ Full Flow	Max/ Full Depth
2-WQ	ORIFICE	0.02	4532	17:08			0.00
2-1	ORIFICE	0.40	4532	17:08			0.00
2-2	ORIFICE	0.40	4532	17:08			0.00
2-3	ORIFICE	0.40	4532	17:08			0.00
2-4	ORIFICE	0.40	4532	17:08			0.00
2-6	ORIFICE	0.40	4532	17:08			0.00
2-5	ORIFICE	0.40	4532	17:08			0.00
1-WQ	ORIFICE	0.05	4532	18:05			0.00
1-1	ORIFICE	0.74	4532	18:05			0.00
1-2	ORIFICE	0.74	4532	18:05			0.00
1-3	ORIFICE	0.74	4532	18:05			0.00
1-4	ORIFICE	0.74	4532	18:05			0.00
1-5	ORIFICE	0.74	4532	18:05			0.00
1-6	ORIFICE	0.74	4532	18:05			0.00
1-7	ORIFICE	0.74	4532	18:05			0.00
1-8	ORIFICE	0.74	4532	18:05			0.00
1-9	ORIFICE	0.74	4532	18:05			0.00
1-10	ORIFICE	0.74	4532	18:05			0.00
1-11	ORIFICE	0.09	4532	18:05			0.00
1-12	ORIFICE	0.09	4532	18:05			0.00
1-13	ORIFICE	0.09	4532	18:05			0.00
1-14	ORIFICE	0.09	4532	18:05			0.00
1-15	ORIFICE	0.09	4532	18:05			0.00

1-16	ORIFICE	0.09	4532	18:05
0.00				
1-17	ORIFICE	0.09	4532	18:05
0.00				
1-18	ORIFICE	0.09	4532	18:05
0.00				
1-19	ORIFICE	0.09	4532	18:05
0.00				
1-20	ORIFICE	0.09	4532	18:05
0.00				
TG2	WEIR	0.00	0	00:00
0.00				
TG1	WEIR	0.00	0	00:00
0.00				

****
Conduit Surcharge Summary
****

No conduits were surcharged.

Analysis begun on: Fri Nov 22 08:47:30 2024
Analysis ended on: Fri Nov 22 08:48:45 2024
Total elapsed time: 00:01:15

```
[TITLE]
;;Project Title/Notes

[OPTIONS]
;;Option             Value
FLOW_UNITS           CFS
INFILTRATION         GREEN_AMPT
FLOW_ROUTING         KINWAVE
LINK_OFFSETS         DEPTH
MIN_SLOPE            0
ALLOW_PONDING        NO
SKIP_STEADY_STATE    NO

START_DATE           10/03/1970
START_TIME           00:00:00
REPORT_START_DATE    10/03/1970
REPORT_START_TIME    00:00:00
END_DATE             05/25/2008
END_TIME             23:00:00
SWEEP_START          01/01
SWEEP_END            12/31
DRY_DAYS             0
REPORT_STEP          01:00:00
WET_STEP             00:05:00
DRY_STEP             01:00:00
ROUTING_STEP         0:00:30
RULE_STEP            00:00:00

INERTIAL_DAMPING     PARTIAL
NORMAL_FLOW_LIMITED  BOTH
FORCE_MAIN_EQUATION  H-W
VARIABLE_STEP        0.75
LENGTHENING_STEP     0
MIN_SURFAREA         12.566
MAX_TRIALS           8
HEAD_TOLERANCE       0.005
SYS_FLOW_TOL         5
LAT_FLOW_TOL         5
MINIMUM_STEP         0.5
THREADS              1

[EVAPORATION]
;;Data Source    Parameters
;;-------------- ----------------
MONTHLY          .06    .08    .11    .15    .17    .19    0.19   0.18   0.15   0.11   .08    .06
DRY_ONLY         NO

[RAINGAGES]
;;Name           Format    Interval SCF      Source
;;-------------- --------- ------ ------ ----------
```

```
Bonita           VOLUME    1:00     1.0      TIMESERIES Bonita

[SUBCATCHMENTS]
;;Name           Rain Gage        Outlet           Area     %Imperv  Width    %Slope   CurbLen  SnowPack
;;-------------- ---------------- ---------------- -------- -------- -------- -------- -------- ----------------
BMP2             Bonita           2                0.0470   0        66       0        0
SUB2             Bonita           BMP2             3.573    40       60       2        0
SUB1             Bonita           BMP1             30.626   95       850      1        0
BMP1             Bonita           1                0.8936   0        44       0        0
SUB3             Bonita           POC1             1.2      95       60       2        0

[SUBAREAS]
;;Subcatchment   N-Imperv   N-Perv     S-Imperv   S-Perv     PctZero    RouteTo    PctRouted
;;-------------- ---------- ---------- ---------- ---------- ---------- ---------- ----------
BMP2             0.012      0.10       0.05       0.10       25         OUTLET
SUB2             0.012      0.10       0.05       0.10       25         OUTLET
SUB1             0.012      0.10       0.05       0.10       25         OUTLET
BMP1             0.012      0.10       0.05       0.10       25         OUTLET
SUB3             0.012      0.10       0.05       0.10       25         OUTLET

[INFILTRATION]
;;Subcatchment   Param1     Param2     Param3     Param4     Param5
;;-------------- ---------- ---------- ---------- ---------- ----------
BMP2             9          0.025      0.30
SUB2             9          0.01875    0.30       7          0
SUB1             9          0.01875    0.30       7          0
BMP1             9          0.025      0.30
SUB3             9          0.01875    0.30       7          0

[LID_CONTROLS]
;;Name           Type/Layer Parameters
;;-------------- ---------- ----------
BMP1             BC
BMP1             SURFACE    6          0.0        0          0          5
BMP1             SOIL       30         0.4        0.2        0.1        5          5          1.5
BMP1             STORAGE    15         0.67       0          0          NO
BMP1             DRAIN      0.034      0.5        3          6          0          0

BMP2             BC
BMP2             SURFACE    6          0.0        0          0          5
BMP2             SOIL       24         0.4        0.2        0.1        5          5          1.5
BMP2             STORAGE    15         0.67       0          0          NO
BMP2             DRAIN      0.6395     0.5        3          6          0          0

[LID_USAGE]
;;Subcatchment   LID Process      Number  Area       Width      InitSat    FromImp    ToPerv     RptFile                  DrainTo
FromPerv
;;-------------- ---------------- ------- ---------- ---------- ---------- ---------- ---------- ------------------------ ------------
---- ----------
```

```
BMP2             BMP2             1       2047.32    0          0          0          0          *                        POC1
0
BMP1             BMP1             1       38925.22   0          0          0          0          *                        POC1
0

[OUTFALLS]
;;Name           Elevation  Type       Stage Data       Gated    Route To
;;-------------- ---------- ---------- ---------------- -------- ----------------
POC1             0          FREE                        NO

[STORAGE]
;;Name           Elev.    MaxDepth   InitDepth  Shape      Curve Type/Params            SurDepth  Fevap    Psi      Ksat     IMD
;;-------------- -------- ---------- ---------- ---------- ---------------------------- --------- -------- -------- -------- --------
1                0        5.25       0          TABULAR    1                              0         0
2                0        3.25       0          TABULAR    2                              0         0

[ORIFICES]
;;Name           From Node        To Node          Type         Offset     Qcoeff     Gated    CloseTime
;;-------------- ---------------- ---------------- ------------ ---------- ---------- -------- ----------
2-WQ             2                POC1             SIDE         0          0.61       NO       0
2-1              2                POC1             SIDE         0.25       0.61       NO       0
2-2              2                POC1             SIDE         0.25       0.61       NO       0
2-3              2                POC1             SIDE         0.25       0.61       NO       0
2-4              2                POC1             SIDE         0.25       0.61       NO       0
2-6              2                POC1             SIDE         0.25       0.61       NO       0
2-5              2                POC1             SIDE         0.25       0.61       NO       0
1-WQ             1                POC1             SIDE         0          0.61       NO       0
1-1              1                POC1             SIDE         1.5        0.61       NO       0
1-2              1                POC1             SIDE         1.5        0.61       NO       0
1-3              1                POC1             SIDE         1.5        0.61       NO       0
1-4              1                POC1             SIDE         1.5        0.61       NO       0
1-5              1                POC1             SIDE         1.5        0.61       NO       0
1-6              1                POC1             SIDE         1.5        0.61       NO       0
1-7              1                POC1             SIDE         1.5        0.61       NO       0
1-8              1                POC1             SIDE         1.5        0.61       NO       0
1-9              1                POC1             SIDE         1.5        0.61       NO       0
1-10             1                POC1             SIDE         1.5        0.61       NO       0
1-11             1                POC1             SIDE         2.67       0.61       NO       0
1-12             1                POC1             SIDE         2.67       0.61       NO       0
1-13             1                POC1             SIDE         2.67       0.61       NO       0
1-14             1                POC1             SIDE         2.67       0.61       NO       0
1-15             1                POC1             SIDE         2.67       0.61       NO       0
1-16             1                POC1             SIDE         2.67       0.61       NO       0
1-17             1                POC1             SIDE         2.67       0.61       NO       0
1-18             1                POC1             SIDE         2.67       0.61       NO       0
1-19             1                POC1             SIDE         2.67       0.61       NO       0
1-20             1                POC1             SIDE         2.67       0.61       NO       0

[WEIRS]
```

```
;;Name           From Node        To Node          Type         CrestHt    Qcoeff     Gated    EndCon   EndCoeff   Surcharge
RoadWidth  RoadSurf   Coeff. Curve
;;-------------- ---------------- ---------------- ------------ ---------- ---------- -------- -------- ---------- ---------- --------
-- ---------- ----------------
TG2              2                POC1             TRANSVERSE   1.75       3.33       NO       0        0          YES
TG1              1                POC1             TRANSVERSE   4.25       3.33       NO       0        0          YES

[XSECTIONS]
;;Link           Shape        Geom1            Geom2      Geom3      Geom4      Barrels    Culvert
;;-------------- ------------ ---------------- ---------- ---------- ---------- ---------- ----------
2-WQ             CIRCULAR     0.083            0          0          0
2-1              CIRCULAR     0.416            0          0          0
2-2              CIRCULAR     0.416            0          0          0
2-3              CIRCULAR     0.416            0          0          0
2-4              CIRCULAR     0.416            0          0          0
2-6              CIRCULAR     0.416            0          0          0
2-5              CIRCULAR     0.416            0          0          0
1-WQ             CIRCULAR     0.083            0          0          0
1-1              CIRCULAR     0.416            0          0          0
1-2              CIRCULAR     0.416            0          0          0
1-3              CIRCULAR     0.416            0          0          0
1-4              CIRCULAR     0.416            0          0          0
1-5              CIRCULAR     0.416            0          0          0
1-6              CIRCULAR     0.416            0          0          0
1-7              CIRCULAR     0.416            0          0          0
1-8              CIRCULAR     0.416            0          0          0
1-9              CIRCULAR     0.416            0          0          0
1-10             CIRCULAR     0.416            0          0          0
1-11             CIRCULAR     0.25             0          0          0
1-12             CIRCULAR     0.25             0          0          0
1-13             CIRCULAR     0.25             0          0          0
1-14             CIRCULAR     0.25             0          0          0
1-15             CIRCULAR     0.25             0          0          0
1-16             CIRCULAR     0.25             0          0          0
1-17             CIRCULAR     0.25             0          0          0
1-18             CIRCULAR     0.25             0          0          0
1-19             CIRCULAR     0.25             0          0          0
1-20             CIRCULAR     0.25             0          0          0
TG2              RECT_OPEN    1.5              9.2        0          0
TG1              RECT_OPEN    1                9.2        0          0

[CURVES]
;;Name           Type         X-Value    Y-Value
;;-------------- ---------- ---------- ----------
1                Storage      0          41278.83
1                             0.25       42075
1                             1.25       45298
1                             2.25       48584
1                             3.25       51935
1                             4.25       55351
```

```
1                         5.25       58829
;
2               Storage   0          2476.06
2                         0.25       2627.59
2                         1.25       3278.71
2                         2.25       4001.83
2                         3.25       4796.985

[TIMESERIES]
;;Name           Date       Time       Value
;;-------------- ---------- ---------- ----------
Bonita           10/3/1970  5:00       0.01
Bonita           10/3/1970  6:00       0.02
Bonita           10/3/1970  7:00       0.01
Bonita           10/3/1970  16:00      0.02
Bonita           10/24/1970 8:00       0.01
Bonita           11/25/1970 23:00      0.1
Bonita           11/26/1970 4:00       0.1
Bonita           11/26/1970 5:00       0.2
Bonita           11/26/1970 8:00       0.1
Bonita           11/27/1970 11:00      0.1
Bonita           11/29/1970 13:00      0.1
Bonita           11/29/1970 14:00      0.1
Bonita           11/29/1970 15:00      0.2
Bonita           11/29/1970 16:00      0.2
Bonita           11/29/1970 17:00      0.3
Bonita           11/29/1970 18:00      0.1
Bonita           11/30/1970 5:00       0.1
Bonita           12/14/1970 16:00      0.02
Bonita           12/17/1970 1:00       0.01
Bonita           12/17/1970 2:00       0.01
Bonita           12/17/1970 3:00       0.01
Bonita           12/17/1970 4:00       0.01
Bonita           12/17/1970 5:00       0.01
Bonita           12/17/1970 6:00       0.01
Bonita           12/17/1970 7:00       0.01
Bonita           12/17/1970 8:00       0.01
Bonita           12/17/1970 9:00       0.01
Bonita           12/17/1970 10:00      0.01
Bonita           12/17/1970 11:00      0.01
Bonita           12/17/1970 12:00      0.02
Bonita           12/17/1970 13:00      0.02
Bonita           12/17/1970 14:00      0.03
Bonita           12/17/1970 15:00      0.04
Bonita           12/17/1970 16:00      0.15
Bonita           12/17/1970 17:00      0.02
Bonita           12/17/1970 18:00      0.01
Bonita           12/17/1970 19:00      0.01
Bonita           12/17/1970 20:00      0.01
Bonita           12/17/1970 21:00      0.01
```

Bonita	12/17/1970 22:00	0.01
Bonita	12/17/1970 23:00	0.01
Bonita	12/17/1970 24:00	0.01
Bonita	12/18/1970 16:00	0.02
Bonita	12/19/1970 1:00	0.01
Bonita	12/19/1970 2:00	0.01
Bonita	12/19/1970 3:00	0.01
Bonita	12/19/1970 4:00	0.01
Bonita	12/19/1970 5:00	0.01
Bonita	12/19/1970 6:00	0.01
Bonita	12/19/1970 7:00	0.01
Bonita	12/19/1970 8:00	0.02
Bonita	12/19/1970 9:00	0.02
Bonita	12/19/1970 10:00	0.02
Bonita	12/19/1970 11:00	0.02
Bonita	12/19/1970 12:00	0.03
Bonita	12/19/1970 13:00	0.03
Bonita	12/19/1970 14:00	0.05
Bonita	12/19/1970 15:00	0.07
Bonita	12/19/1970 16:00	0.24
Bonita	12/19/1970 17:00	0.04
Bonita	12/19/1970 18:00	0.02
Bonita	12/19/1970 19:00	0.02
Bonita	12/19/1970 20:00	0.01
Bonita	12/19/1970 21:00	0.01
Bonita	12/19/1970 22:00	0.01
Bonita	12/19/1970 23:00	0.01
Bonita	12/19/1970 24:00	0.01
Bonita	12/20/1970 1:00	0.01
Bonita	12/20/1970 2:00	0.01
Bonita	12/20/1970 3:00	0.01
Bonita	12/20/1970 4:00	0.01
Bonita	12/20/1970 5:00	0.01
Bonita	12/20/1970 6:00	0.01
Bonita	12/20/1970 7:00	0.01
Bonita	12/20/1970 8:00	0.01
Bonita	12/20/1970 9:00	0.01
Bonita	12/20/1970 10:00	0.02
Bonita	12/20/1970 11:00	0.02
Bonita	12/20/1970 12:00	0.02
Bonita	12/20/1970 13:00	0.03
Bonita	12/20/1970 14:00	0.04
Bonita	12/20/1970 15:00	0.06
Bonita	12/20/1970 16:00	0.21
Bonita	12/20/1970 17:00	0.03
Bonita	12/20/1970 18:00	0.02
Bonita	12/20/1970 19:00	0.02
Bonita	12/20/1970 20:00	0.01
Bonita	12/20/1970 21:00	0.01
Bonita	12/20/1970 22:00	0.01

Bonita	12/20/1970	23:00	0.01
Bonita	12/20/1970	24:00	0.01
Bonita	12/21/1970	1:00	0.02
Bonita	12/21/1970	2:00	0.02
Bonita	12/21/1970	3:00	0.02
Bonita	12/21/1970	4:00	0.03
Bonita	12/21/1970	5:00	0.03
Bonita	12/21/1970	6:00	0.03
Bonita	12/21/1970	7:00	0.03
Bonita	12/21/1970	8:00	0.03
Bonita	12/21/1970	9:00	0.04
Bonita	12/21/1970	10:00	0.04
Bonita	12/21/1970	11:00	0.05
Bonita	12/21/1970	12:00	0.06
Bonita	12/21/1970	13:00	0.07
Bonita	12/21/1970	14:00	0.1
Bonita	12/21/1970	15:00	0.14
Bonita	12/21/1970	16:00	0.52
Bonita	12/21/1970	17:00	0.08
Bonita	12/21/1970	18:00	0.05
Bonita	12/21/1970	19:00	0.04
Bonita	12/21/1970	20:00	0.03
Bonita	12/21/1970	21:00	0.03
Bonita	12/21/1970	22:00	0.02
Bonita	12/21/1970	23:00	0.02
Bonita	12/21/1970	24:00	0.02
Bonita	12/22/1970	12:00	0.01
Bonita	12/22/1970	13:00	0.01
Bonita	12/22/1970	14:00	0.01
Bonita	12/22/1970	15:00	0.01
Bonita	12/22/1970	16:00	0.05
Bonita	12/22/1970	17:00	0.01
Bonita	1/2/1971	4:00	0.2
Bonita	1/2/1971	9:00	0.1
Bonita	1/12/1971	23:00	0.1
Bonita	2/17/1971	4:00	0.1
Bonita	2/17/1971	8:00	0.1
Bonita	2/17/1971	9:00	0.1
Bonita	2/19/1971	16:00	0.1
Bonita	2/19/1971	18:00	0.1
Bonita	2/23/1971	2:00	0.1
Bonita	2/23/1971	15:00	0.1
Bonita	3/13/1971	6:00	0.1
Bonita	4/14/1971	11:00	0.1
Bonita	4/14/1971	12:00	0.2
Bonita	4/14/1971	16:00	0.1
Bonita	4/15/1971	5:00	0.1
Bonita	4/17/1971	21:00	0.1
Bonita	4/18/1971	7:00	0.1
Bonita	4/25/1971	7:00	0.2

Bonita	4/26/1971	2:00	0.1
Bonita	9/29/1971	5:00	0.01
Bonita	9/29/1971	6:00	0.03
Bonita	9/29/1971	7:00	0.01
Bonita	9/29/1971	9:00	0.01
Bonita	10/16/1971	3:00	0.05
Bonita	10/16/1971	4:00	0.01
Bonita	10/16/1971	5:00	0.06
Bonita	10/16/1971	6:00	0.07
Bonita	10/16/1971	7:00	0.15
Bonita	10/16/1971	8:00	0.02
Bonita	10/16/1971	23:00	0.03
Bonita	10/16/1971	24:00	0.05
Bonita	10/17/1971	1:00	0.02
Bonita	10/17/1971	13:00	0.01
Bonita	10/17/1971	15:00	0.07
Bonita	10/25/1971	2:00	0.26
Bonita	11/12/1971	7:00	0.01
Bonita	11/12/1971	8:00	0.05
Bonita	11/12/1971	9:00	0.01
Bonita	11/12/1971	14:00	0.01
Bonita	11/29/1971	2:00	0.01
Bonita	11/29/1971	9:00	0.02
Bonita	12/3/1971	3:00	0.03
Bonita	12/3/1971	4:00	0.06
Bonita	12/3/1971	9:00	0.01
Bonita	12/3/1971	23:00	0.03
Bonita	12/3/1971	24:00	0.05
Bonita	12/4/1971	1:00	0.08
Bonita	12/4/1971	2:00	0.02
Bonita	12/4/1971	4:00	0.01
Bonita	12/4/1971	9:00	0.01
Bonita	12/7/1971	4:00	0.01
Bonita	12/7/1971	7:00	0.01
Bonita	12/13/1971	5:00	0.1
Bonita	12/13/1971	6:00	0.03
Bonita	12/13/1971	7:00	0.01
Bonita	12/21/1971	21:00	0.01
Bonita	12/21/1971	23:00	0.02
Bonita	12/22/1971	2:00	0.01
Bonita	12/22/1971	3:00	0.01
Bonita	12/22/1971	5:00	0.05
Bonita	12/22/1971	6:00	0.15
Bonita	12/22/1971	7:00	0.07
Bonita	12/22/1971	9:00	0.01
Bonita	12/22/1971	10:00	0.04
Bonita	12/22/1971	18:00	0.04
Bonita	12/22/1971	19:00	0.01
Bonita	12/24/1971	11:00	0.03
Bonita	12/24/1971	12:00	0.08

Bonita	12/24/1971	15:00	0.03
Bonita	12/24/1971	16:00	0.03
Bonita	12/24/1971	17:00	0.04
Bonita	12/25/1971	6:00	0.04
Bonita	12/25/1971	7:00	0.02
Bonita	12/25/1971	8:00	0.01
Bonita	12/25/1971	13:00	0.01
Bonita	12/25/1971	14:00	0.01
Bonita	12/25/1971	20:00	0.02
Bonita	12/25/1971	21:00	0.07
Bonita	12/25/1971	22:00	0.1
Bonita	12/26/1971	2:00	0.02
Bonita	12/26/1971	4:00	0.01
Bonita	12/26/1971	8:00	0.02
Bonita	12/27/1971	16:00	0.04
Bonita	12/27/1971	17:00	0.11
Bonita	12/27/1971	18:00	0.08
Bonita	12/27/1971	19:00	0.11
Bonita	12/27/1971	20:00	0.08
Bonita	12/27/1971	21:00	0.01
Bonita	12/28/1971	11:00	0.02
Bonita	12/28/1971	12:00	0.06
Bonita	12/28/1971	13:00	0.02
Bonita	12/28/1971	14:00	0.03
Bonita	12/28/1971	19:00	0.01
Bonita	12/28/1971	23:00	0.01
Bonita	12/28/1971	24:00	0.01
Bonita	2/5/1972	3:00	0.01
Bonita	2/5/1972	4:00	0.04
Bonita	2/5/1972	5:00	0.02
Bonita	2/5/1972	7:00	0.02
Bonita	2/5/1972	8:00	0.01
Bonita	2/5/1972	9:00	0.04
Bonita	2/5/1972	10:00	0.01
Bonita	4/11/1972	13:00	0.02
Bonita	4/11/1972	14:00	0.01
Bonita	4/11/1972	15:00	0.01
Bonita	4/11/1972	16:00	0.01
Bonita	4/13/1972	4:00	0.02
Bonita	4/13/1972	8:00	0.04
Bonita	4/19/1972	18:00	0.02
Bonita	5/17/1972	19:00	0.01
Bonita	5/18/1972	21:00	0.01
Bonita	5/19/1972	3:00	0.01
Bonita	5/19/1972	4:00	0.05
Bonita	5/19/1972	5:00	0.02
Bonita	5/19/1972	9:00	0.01
Bonita	5/19/1972	10:00	0.01
Bonita	5/19/1972	11:00	0.01
Bonita	5/19/1972	20:00	0.02

Bonita	5/19/1972	24:00	0.01
Bonita	5/20/1972	2:00	0.04
Bonita	5/20/1972	6:00	0.07
Bonita	5/20/1972	7:00	0.03
Bonita	6/5/1972	15:00	0.04
Bonita	6/5/1972	19:00	0.01
Bonita	6/6/1972	11:00	0.01
Bonita	6/6/1972	22:00	0.01
Bonita	6/7/1972	3:00	0.01
Bonita	6/7/1972	4:00	0.01
Bonita	6/7/1972	6:00	0.03
Bonita	6/7/1972	9:00	0.01
Bonita	6/7/1972	23:00	0.01
Bonita	6/8/1972	18:00	0.01
Bonita	6/9/1972	1:00	0.01
Bonita	6/9/1972	21:00	0.01
Bonita	6/10/1972	3:00	0.02
Bonita	6/10/1972	4:00	0.04
Bonita	6/10/1972	5:00	0.02
Bonita	6/20/1972	6:00	0.03
Bonita	6/20/1972	10:00	0.06
Bonita	6/20/1972	11:00	0.06
Bonita	6/20/1972	12:00	0.08
Bonita	6/22/1972	16:00	0.02
Bonita	6/22/1972	23:00	0.01
Bonita	6/22/1972	24:00	0.02
Bonita	6/23/1972	8:00	0.01
Bonita	9/6/1972	3:00	0.03
Bonita	9/6/1972	5:00	0.11
Bonita	9/6/1972	6:00	0.02
Bonita	9/6/1972	8:00	0.02
Bonita	9/6/1972	9:00	0.04
Bonita	9/6/1972	10:00	0.01
Bonita	9/6/1972	11:00	0.02
Bonita	9/8/1972	21:00	0.01
Bonita	9/8/1972	24:00	0.01
Bonita	9/9/1972	2:00	0.01
Bonita	9/9/1972	4:00	0.01
Bonita	9/9/1972	8:00	0.01
Bonita	9/9/1972	14:00	0.02
Bonita	10/12/1972	11:00	0.02
Bonita	10/17/1972	2:00	0.02
Bonita	10/17/1972	3:00	0.02
Bonita	10/17/1972	4:00	0.03
Bonita	10/17/1972	11:00	0.01
Bonita	10/17/1972	16:00	0.04
Bonita	10/17/1972	17:00	0.05
Bonita	10/17/1972	19:00	0.01
Bonita	10/17/1972	22:00	0.04
Bonita	10/17/1972	23:00	0.05

Bonita	10/18/1972 1:00	0.01
Bonita	10/18/1972 2:00	0.02
Bonita	10/18/1972 4:00	0.05
Bonita	10/18/1972 5:00	0.04
Bonita	10/18/1972 7:00	0.02
Bonita	10/18/1972 8:00	0.05
Bonita	10/18/1972 9:00	0.01
Bonita	10/18/1972 14:00	0.05
Bonita	10/18/1972 15:00	0.02
Bonita	10/18/1972 16:00	0.01
Bonita	10/18/1972 19:00	0.01
Bonita	10/19/1972 9:00	0.02
Bonita	10/19/1972 19:00	0.01
Bonita	10/19/1972 24:00	0.05
Bonita	10/20/1972 2:00	0.01
Bonita	10/20/1972 8:00	0.03
Bonita	10/20/1972 13:00	0.02
Bonita	10/26/1972 17:00	0.01
Bonita	10/26/1972 19:00	0.01
Bonita	10/27/1972 6:00	0.01
Bonita	10/27/1972 7:00	0.01
Bonita	11/7/1972 24:00	0.01
Bonita	11/8/1972 1:00	0.02
Bonita	11/8/1972 2:00	0.1
Bonita	11/8/1972 3:00	0.01
Bonita	11/10/1972 21:00	0.06
Bonita	11/10/1972 22:00	0.14
Bonita	11/10/1972 24:00	0.01
Bonita	11/11/1972 1:00	0.05
Bonita	11/11/1972 3:00	0.12
Bonita	11/11/1972 6:00	0.04
Bonita	11/11/1972 8:00	0.02
Bonita	11/11/1972 9:00	0.73
Bonita	11/11/1972 10:00	0.09
Bonita	11/11/1972 12:00	0.01
Bonita	11/11/1972 24:00	0.03
Bonita	11/12/1972 5:00	0.01
Bonita	11/12/1972 7:00	0.01
Bonita	11/13/1972 11:00	0.02
Bonita	11/13/1972 13:00	0.04
Bonita	11/13/1972 14:00	0.14
Bonita	11/13/1972 15:00	0.02
Bonita	11/13/1972 16:00	0.01
Bonita	11/13/1972 17:00	0.01
Bonita	11/13/1972 19:00	0.07
Bonita	11/14/1972 24:00	0.01
Bonita	11/15/1972 19:00	0.02
Bonita	11/15/1972 20:00	0.01
Bonita	11/15/1972 21:00	0.13
Bonita	11/15/1972 22:00	0.04

Bonita	11/15/1972	23:00	0.14
Bonita	11/15/1972	24:00	0.04
Bonita	11/16/1972	9:00	0.01
Bonita	11/16/1972	16:00	0.03
Bonita	11/16/1972	19:00	0.03
Bonita	11/16/1972	20:00	0.01
Bonita	11/29/1972	13:00	0.02
Bonita	11/29/1972	16:00	0.02
Bonita	12/4/1972	13:00	0.06
Bonita	12/4/1972	14:00	0.09
Bonita	12/4/1972	15:00	0.08
Bonita	12/4/1972	16:00	0.2
Bonita	12/4/1972	17:00	0.26
Bonita	12/4/1972	18:00	0.09
Bonita	12/4/1972	19:00	0.15
Bonita	12/4/1972	20:00	0.05
Bonita	12/4/1972	21:00	0.01
Bonita	12/7/1972	5:00	0.04
Bonita	12/7/1972	6:00	0.02
Bonita	12/7/1972	7:00	0.03
Bonita	12/7/1972	9:00	0.07
Bonita	12/7/1972	11:00	0.02
Bonita	12/7/1972	16:00	0.01
Bonita	12/8/1972	6:00	0.02
Bonita	12/8/1972	8:00	0.01
Bonita	12/8/1972	9:00	0.02
Bonita	12/8/1972	10:00	0.01
Bonita	12/8/1972	11:00	0.02
Bonita	12/8/1972	12:00	0.01
Bonita	12/8/1972	13:00	0.02
Bonita	12/8/1972	14:00	0.06
Bonita	12/8/1972	15:00	0.06
Bonita	12/8/1972	16:00	0.01
Bonita	12/8/1972	19:00	0.03
Bonita	12/8/1972	20:00	0.03
Bonita	12/8/1972	21:00	0.01
Bonita	12/8/1972	22:00	0.02
Bonita	12/9/1972	8:00	0.02
Bonita	12/9/1972	14:00	0.01
Bonita	12/10/1972	15:00	0.02
Bonita	1/3/1973	18:00	0.02
Bonita	1/4/1973	2:00	0.01
Bonita	1/4/1973	3:00	0.03
Bonita	1/4/1973	5:00	0.01
Bonita	1/4/1973	6:00	0.09
Bonita	1/4/1973	7:00	0.01
Bonita	1/4/1973	14:00	0.05
Bonita	1/4/1973	15:00	0.01
Bonita	1/4/1973	16:00	0.01
Bonita	1/4/1973	18:00	0.05

Bonita	1/4/1973	20:00	0.01
Bonita	1/4/1973	24:00	0.01
Bonita	1/9/1973	9:00	0.01
Bonita	1/9/1973	10:00	0.02
Bonita	1/9/1973	13:00	0.01
Bonita	1/9/1973	18:00	0.01
Bonita	1/9/1973	20:00	0.05
Bonita	1/9/1973	21:00	0.11
Bonita	1/9/1973	23:00	0.01
Bonita	1/9/1973	24:00	0.01
Bonita	1/16/1973	18:00	0.01
Bonita	1/16/1973	19:00	0.02
Bonita	1/16/1973	20:00	0.06
Bonita	1/16/1973	21:00	0.25
Bonita	1/16/1973	22:00	0.13
Bonita	1/16/1973	23:00	0.01
Bonita	1/16/1973	24:00	0.01
Bonita	1/18/1973	17:00	0.01
Bonita	1/18/1973	22:00	0.11
Bonita	1/18/1973	23:00	0.2
Bonita	1/18/1973	24:00	0.09
Bonita	1/19/1973	1:00	0.16
Bonita	1/19/1973	2:00	0.03
Bonita	1/19/1973	8:00	0.01
Bonita	1/30/1973	12:00	0.01
Bonita	1/30/1973	13:00	0.06
Bonita	1/30/1973	14:00	0.06
Bonita	1/30/1973	15:00	0.06
Bonita	1/30/1973	16:00	0.01
Bonita	1/30/1973	17:00	0.01
Bonita	2/3/1973	21:00	0.01
Bonita	2/3/1973	22:00	0.02
Bonita	2/5/1973	24:00	0.08
Bonita	2/6/1973	1:00	0.08
Bonita	2/6/1973	2:00	0.06
Bonita	2/6/1973	3:00	0.05
Bonita	2/6/1973	4:00	0.01
Bonita	2/6/1973	10:00	0.01
Bonita	2/6/1973	11:00	0.01
Bonita	2/15/1973	9:00	0.14
Bonita	2/15/1973	10:00	0.25
Bonita	2/15/1973	11:00	0.02
Bonita	2/15/1973	15:00	0.01
Bonita	2/20/1973	24:00	0.02
Bonita	2/21/1973	1:00	0.01
Bonita	2/21/1973	2:00	0.01
Bonita	2/27/1973	20:00	0.01
Bonita	2/28/1973	1:00	0.11
Bonita	2/28/1973	2:00	0.09
Bonita	2/28/1973	3:00	0.06

Bonita	2/28/1973	8:00	0.09
Bonita	2/28/1973	18:00	0.01
Bonita	2/28/1973	20:00	0.01
Bonita	3/4/1973	2:00	0.04
Bonita	3/4/1973	3:00	0.02
Bonita	3/4/1973	4:00	0.03
Bonita	3/5/1973	7:00	0.01
Bonita	3/6/1973	10:00	0.02
Bonita	3/6/1973	20:00	0.03
Bonita	3/6/1973	22:00	0.01
Bonita	3/6/1973	23:00	0.11
Bonita	3/7/1973	1:00	0.03
Bonita	3/7/1973	4:00	0.03
Bonita	3/7/1973	5:00	0.02
Bonita	3/7/1973	6:00	0.02
Bonita	3/8/1973	4:00	0.04
Bonita	3/8/1973	5:00	0.03
Bonita	3/8/1973	12:00	0.05
Bonita	3/8/1973	13:00	0.09
Bonita	3/8/1973	14:00	0.1
Bonita	3/8/1973	15:00	0.01
Bonita	3/8/1973	17:00	0.01
Bonita	3/8/1973	22:00	0.01
Bonita	3/11/1973	1:00	0.01
Bonita	3/11/1973	2:00	0.01
Bonita	3/11/1973	3:00	0.02
Bonita	3/11/1973	11:00	0.05
Bonita	3/11/1973	12:00	0.16
Bonita	3/11/1973	13:00	0.1
Bonita	3/11/1973	14:00	0.01
Bonita	3/11/1973	15:00	0.01
Bonita	3/11/1973	16:00	0.11
Bonita	3/11/1973	17:00	0.01
Bonita	3/11/1973	20:00	0.03
Bonita	3/11/1973	21:00	0.05
Bonita	3/11/1973	22:00	0.04
Bonita	3/11/1973	23:00	0.12
Bonita	3/11/1973	24:00	0.04
Bonita	3/12/1973	1:00	0.09
Bonita	3/12/1973	2:00	0.01
Bonita	3/12/1973	3:00	0.01
Bonita	3/12/1973	5:00	0.03
Bonita	3/13/1973	9:00	0.02
Bonita	3/13/1973	11:00	0.05
Bonita	3/13/1973	12:00	0.05
Bonita	3/13/1973	17:00	0.01
Bonita	3/13/1973	18:00	0.01
Bonita	3/13/1973	22:00	0.01
Bonita	3/13/1973	24:00	0.01
Bonita	3/14/1973	1:00	0.01

Bonita	3/20/1973	8:00	0.31
Bonita	3/20/1973	9:00	0.5
Bonita	3/20/1973	10:00	0.08
Bonita	3/20/1973	11:00	0.01
Bonita	3/20/1973	12:00	0.03
Bonita	3/20/1973	13:00	0.01
Bonita	3/21/1973	5:00	0.01
Bonita	3/21/1973	11:00	0.01
Bonita	3/22/1973	1:00	0.03
Bonita	3/22/1973	2:00	0.04
Bonita	3/22/1973	4:00	0.03
Bonita	3/26/1973	4:00	0.06
Bonita	3/26/1973	6:00	0.04
Bonita	3/26/1973	8:00	0.01
Bonita	3/26/1973	10:00	0.02
Bonita	3/26/1973	24:00	0.01
Bonita	3/27/1973	1:00	0.01
Bonita	3/27/1973	2:00	0.01
Bonita	3/27/1973	4:00	0.01
Bonita	3/27/1973	5:00	0.01
Bonita	3/27/1973	6:00	0.01
Bonita	3/27/1973	10:00	0.01
Bonita	3/27/1973	18:00	0.02
Bonita	3/27/1973	19:00	0.01
Bonita	4/20/1973	14:00	0.01
Bonita	4/20/1973	15:00	0.07
Bonita	4/29/1973	10:00	0.01
Bonita	4/29/1973	11:00	0.01
Bonita	4/29/1973	22:00	0.01
Bonita	4/29/1973	24:00	0.01
Bonita	4/30/1973	2:00	0.01
Bonita	4/30/1973	4:00	0.02
Bonita	4/30/1973	6:00	0.03
Bonita	4/30/1973	7:00	0.03
Bonita	11/17/1973	13:00	0.01
Bonita	11/17/1973	14:00	0.01
Bonita	11/17/1973	15:00	0.01
Bonita	11/17/1973	16:00	0.04
Bonita	11/17/1973	17:00	0.01
Bonita	11/18/1973	1:00	0.01
Bonita	11/18/1973	2:00	0.01
Bonita	11/18/1973	3:00	0.01
Bonita	11/18/1973	4:00	0.01
Bonita	11/18/1973	5:00	0.01
Bonita	11/18/1973	6:00	0.01
Bonita	11/18/1973	7:00	0.01
Bonita	11/18/1973	8:00	0.01
Bonita	11/18/1973	9:00	0.01
Bonita	11/18/1973	10:00	0.01
Bonita	11/18/1973	11:00	0.02

Bonita	11/18/1973 12:00	0.02
Bonita	11/18/1973 13:00	0.03
Bonita	11/18/1973 14:00	0.04
Bonita	11/18/1973 15:00	0.05
Bonita	11/18/1973 16:00	0.19
Bonita	11/18/1973 17:00	0.03
Bonita	11/18/1973 18:00	0.02
Bonita	11/18/1973 19:00	0.01
Bonita	11/18/1973 20:00	0.01
Bonita	11/18/1973 21:00	0.01
Bonita	11/18/1973 22:00	0.01
Bonita	11/18/1973 23:00	0.01
Bonita	11/18/1973 24:00	0.01
Bonita	11/21/1973 16:00	0.01
Bonita	11/22/1973 1:00	0.01
Bonita	11/22/1973 2:00	0.01
Bonita	11/22/1973 3:00	0.01
Bonita	11/22/1973 4:00	0.01
Bonita	11/22/1973 5:00	0.01
Bonita	11/22/1973 6:00	0.01
Bonita	11/22/1973 7:00	0.01
Bonita	11/22/1973 8:00	0.01
Bonita	11/22/1973 9:00	0.01
Bonita	11/22/1973 10:00	0.01
Bonita	11/22/1973 11:00	0.01
Bonita	11/22/1973 12:00	0.02
Bonita	11/22/1973 13:00	0.02
Bonita	11/22/1973 14:00	0.03
Bonita	11/22/1973 15:00	0.05
Bonita	11/22/1973 16:00	0.16
Bonita	11/22/1973 17:00	0.03
Bonita	11/22/1973 18:00	0.02
Bonita	11/22/1973 19:00	0.01
Bonita	11/22/1973 20:00	0.01
Bonita	11/22/1973 21:00	0.01
Bonita	11/22/1973 22:00	0.01
Bonita	11/22/1973 23:00	0.01
Bonita	11/22/1973 24:00	0.01
Bonita	11/23/1973 12:00	0.01
Bonita	11/23/1973 13:00	0.01
Bonita	11/23/1973 14:00	0.01
Bonita	11/23/1973 15:00	0.01
Bonita	11/23/1973 16:00	0.05
Bonita	11/23/1973 17:00	0.01
Bonita	11/24/1973 16:00	0.02
Bonita	11/26/1973 12:00	0.01
Bonita	11/26/1973 13:00	0.01
Bonita	11/26/1973 14:00	0.01
Bonita	11/26/1973 15:00	0.01
Bonita	11/26/1973 16:00	0.04

Bonita	11/26/1973	17:00	0.01
Bonita	12/1/1973	16:00	0.01
Bonita	12/22/1973	16:00	0.02
Bonita	12/28/1973	16:00	0.01
Bonita	1/1/1974	14:00	0.01
Bonita	1/1/1974	15:00	0.01
Bonita	1/1/1974	16:00	0.03
Bonita	1/1/1974	17:00	0.01
Bonita	1/3/1974	15:00	0.01
Bonita	1/3/1974	16:00	0.02
Bonita	1/4/1974	1:00	0.01
Bonita	1/4/1974	2:00	0.01
Bonita	1/4/1974	3:00	0.01
Bonita	1/4/1974	4:00	0.01
Bonita	1/4/1974	5:00	0.01
Bonita	1/4/1974	6:00	0.02
Bonita	1/4/1974	7:00	0.02
Bonita	1/4/1974	8:00	0.02
Bonita	1/4/1974	9:00	0.02
Bonita	1/4/1974	10:00	0.02
Bonita	1/4/1974	11:00	0.02
Bonita	1/4/1974	12:00	0.03
Bonita	1/4/1974	13:00	0.04
Bonita	1/4/1974	14:00	0.05
Bonita	1/4/1974	15:00	0.08
Bonita	1/4/1974	16:00	0.27
Bonita	1/4/1974	17:00	0.04
Bonita	1/4/1974	18:00	0.03
Bonita	1/4/1974	19:00	0.02
Bonita	1/4/1974	20:00	0.02
Bonita	1/4/1974	21:00	0.01
Bonita	1/4/1974	22:00	0.01
Bonita	1/4/1974	23:00	0.01
Bonita	1/4/1974	24:00	0.01
Bonita	1/5/1974	7:00	0.01
Bonita	1/5/1974	8:00	0.01
Bonita	1/5/1974	9:00	0.01
Bonita	1/5/1974	10:00	0.01
Bonita	1/5/1974	11:00	0.01
Bonita	1/5/1974	12:00	0.01
Bonita	1/5/1974	13:00	0.01
Bonita	1/5/1974	14:00	0.02
Bonita	1/5/1974	15:00	0.02
Bonita	1/5/1974	16:00	0.08
Bonita	1/5/1974	17:00	0.01
Bonita	1/5/1974	18:00	0.01
Bonita	1/5/1974	19:00	0.01
Bonita	1/5/1974	20:00	0.01
Bonita	1/6/1974	12:00	0.01
Bonita	1/6/1974	13:00	0.01

Bonita	1/6/1974	14:00	0.01
Bonita	1/6/1974	15:00	0.01
Bonita	1/6/1974	16:00	0.04
Bonita	1/6/1974	17:00	0.01
Bonita	1/7/1974	1:00	0.01
Bonita	1/7/1974	2:00	0.01
Bonita	1/7/1974	3:00	0.01
Bonita	1/7/1974	4:00	0.01
Bonita	1/7/1974	5:00	0.01
Bonita	1/7/1974	6:00	0.01
Bonita	1/7/1974	7:00	0.01
Bonita	1/7/1974	8:00	0.02
Bonita	1/7/1974	9:00	0.02
Bonita	1/7/1974	10:00	0.02
Bonita	1/7/1974	11:00	0.02
Bonita	1/7/1974	12:00	0.03
Bonita	1/7/1974	13:00	0.03
Bonita	1/7/1974	14:00	0.05
Bonita	1/7/1974	15:00	0.07
Bonita	1/7/1974	16:00	0.24
Bonita	1/7/1974	17:00	0.04
Bonita	1/7/1974	18:00	0.02
Bonita	1/7/1974	19:00	0.02
Bonita	1/7/1974	20:00	0.02
Bonita	1/7/1974	21:00	0.01
Bonita	1/7/1974	22:00	0.01
Bonita	1/7/1974	23:00	0.01
Bonita	1/7/1974	24:00	0.01
Bonita	1/8/1974	1:00	0.01
Bonita	1/8/1974	2:00	0.01
Bonita	1/8/1974	3:00	0.01
Bonita	1/8/1974	4:00	0.01
Bonita	1/8/1974	5:00	0.01
Bonita	1/8/1974	6:00	0.01
Bonita	1/8/1974	7:00	0.01
Bonita	1/8/1974	8:00	0.01
Bonita	1/8/1974	9:00	0.02
Bonita	1/8/1974	10:00	0.02
Bonita	1/8/1974	11:00	0.02
Bonita	1/8/1974	12:00	0.03
Bonita	1/8/1974	13:00	0.03
Bonita	1/8/1974	14:00	0.04
Bonita	1/8/1974	15:00	0.06
Bonita	1/8/1974	16:00	0.23
Bonita	1/8/1974	17:00	0.04
Bonita	1/8/1974	18:00	0.02
Bonita	1/8/1974	19:00	0.02
Bonita	1/8/1974	20:00	0.01
Bonita	1/8/1974	21:00	0.01
Bonita	1/8/1974	22:00	0.01

Bonita	1/8/1974	23:00	0.01
Bonita	1/8/1974	24:00	0.01
Bonita	1/20/1974	16:00	0.01
Bonita	2/19/1974	16:00	0.01
Bonita	3/2/1974	13:00	0.01
Bonita	3/2/1974	14:00	0.01
Bonita	3/2/1974	15:00	0.01
Bonita	3/2/1974	16:00	0.04
Bonita	3/2/1974	17:00	0.01
Bonita	3/3/1974	10:00	0.01
Bonita	3/3/1974	11:00	0.01
Bonita	3/3/1974	12:00	0.01
Bonita	3/3/1974	13:00	0.01
Bonita	3/3/1974	14:00	0.01
Bonita	3/3/1974	15:00	0.02
Bonita	3/3/1974	16:00	0.06
Bonita	3/3/1974	17:00	0.01
Bonita	3/3/1974	18:00	0.01
Bonita	3/6/1974	4:00	0.01
Bonita	3/6/1974	5:00	0.01
Bonita	3/6/1974	6:00	0.01
Bonita	3/6/1974	7:00	0.01
Bonita	3/6/1974	8:00	0.01
Bonita	3/6/1974	9:00	0.01
Bonita	3/6/1974	10:00	0.01
Bonita	3/6/1974	11:00	0.01
Bonita	3/6/1974	12:00	0.01
Bonita	3/6/1974	13:00	0.01
Bonita	3/6/1974	14:00	0.02
Bonita	3/6/1974	15:00	0.03
Bonita	3/6/1974	16:00	0.1
Bonita	3/6/1974	17:00	0.02
Bonita	3/6/1974	18:00	0.01
Bonita	3/6/1974	19:00	0.01
Bonita	3/6/1974	20:00	0.01
Bonita	3/6/1974	21:00	0.01
Bonita	3/7/1974	1:00	0.01
Bonita	3/7/1974	2:00	0.01
Bonita	3/7/1974	3:00	0.01
Bonita	3/7/1974	4:00	0.01
Bonita	3/7/1974	5:00	0.01
Bonita	3/7/1974	6:00	0.02
Bonita	3/7/1974	7:00	0.02
Bonita	3/7/1974	8:00	0.02
Bonita	3/7/1974	9:00	0.02
Bonita	3/7/1974	10:00	0.02
Bonita	3/7/1974	11:00	0.03
Bonita	3/7/1974	12:00	0.03
Bonita	3/7/1974	13:00	0.04
Bonita	3/7/1974	14:00	0.06

Bonita	3/7/1974	15:00	0.08
Bonita	3/7/1974	16:00	0.29
Bonita	3/7/1974	17:00	0.05
Bonita	3/7/1974	18:00	0.03
Bonita	3/7/1974	19:00	0.02
Bonita	3/7/1974	20:00	0.02
Bonita	3/7/1974	21:00	0.02
Bonita	3/7/1974	22:00	0.01
Bonita	3/7/1974	23:00	0.01
Bonita	3/7/1974	24:00	0.01
Bonita	3/8/1974	16:00	0.01
Bonita	3/27/1974	1:00	0.01
Bonita	3/27/1974	2:00	0.01
Bonita	3/27/1974	3:00	0.01
Bonita	3/27/1974	4:00	0.01
Bonita	3/27/1974	5:00	0.01
Bonita	3/27/1974	6:00	0.01
Bonita	3/27/1974	7:00	0.01
Bonita	3/27/1974	8:00	0.01
Bonita	3/27/1974	9:00	0.01
Bonita	3/27/1974	10:00	0.01
Bonita	3/27/1974	11:00	0.01
Bonita	3/27/1974	12:00	0.01
Bonita	3/27/1974	13:00	0.02
Bonita	3/27/1974	14:00	0.02
Bonita	3/27/1974	15:00	0.03
Bonita	3/27/1974	16:00	0.12
Bonita	3/27/1974	17:00	0.02
Bonita	3/27/1974	18:00	0.01
Bonita	3/27/1974	19:00	0.01
Bonita	3/27/1974	20:00	0.01
Bonita	3/27/1974	21:00	0.01
Bonita	3/27/1974	22:00	0.01
Bonita	3/27/1974	23:00	0.01
Bonita	3/27/1974	24:00	0.01
Bonita	3/30/1974	16:00	0.01
Bonita	4/1/1974	16:00	0.01
Bonita	4/2/1974	15:00	0.01
Bonita	4/2/1974	16:00	0.02
Bonita	5/13/1974	16:00	0.01
Bonita	10/26/1974	16:00	0.01
Bonita	10/27/1974	16:00	0.01
Bonita	10/28/1974	1:00	0.01
Bonita	10/28/1974	2:00	0.01
Bonita	10/28/1974	3:00	0.01
Bonita	10/28/1974	4:00	0.01
Bonita	10/28/1974	5:00	0.01
Bonita	10/28/1974	6:00	0.01
Bonita	10/28/1974	7:00	0.01
Bonita	10/28/1974	8:00	0.01

Bonita	10/28/1974 9:00	0.01
Bonita	10/28/1974 10:00	0.01
Bonita	10/28/1974 11:00	0.01
Bonita	10/28/1974 12:00	0.01
Bonita	10/28/1974 13:00	0.02
Bonita	10/28/1974 14:00	0.02
Bonita	10/28/1974 15:00	0.03
Bonita	10/28/1974 16:00	0.13
Bonita	10/28/1974 17:00	0.02
Bonita	10/28/1974 18:00	0.01
Bonita	10/28/1974 19:00	0.01
Bonita	10/28/1974 20:00	0.01
Bonita	10/28/1974 21:00	0.01
Bonita	10/28/1974 22:00	0.01
Bonita	10/28/1974 23:00	0.01
Bonita	10/28/1974 24:00	0.01
Bonita	10/29/1974 1:00	0.01
Bonita	10/29/1974 2:00	0.01
Bonita	10/29/1974 3:00	0.01
Bonita	10/29/1974 4:00	0.01
Bonita	10/29/1974 5:00	0.01
Bonita	10/29/1974 6:00	0.01
Bonita	10/29/1974 7:00	0.01
Bonita	10/29/1974 8:00	0.01
Bonita	10/29/1974 9:00	0.01
Bonita	10/29/1974 10:00	0.01
Bonita	10/29/1974 11:00	0.02
Bonita	10/29/1974 12:00	0.02
Bonita	10/29/1974 13:00	0.02
Bonita	10/29/1974 14:00	0.04
Bonita	10/29/1974 15:00	0.05
Bonita	10/29/1974 16:00	0.18
Bonita	10/29/1974 17:00	0.03
Bonita	10/29/1974 18:00	0.02
Bonita	10/29/1974 19:00	0.01
Bonita	10/29/1974 20:00	0.01
Bonita	10/29/1974 21:00	0.01
Bonita	10/29/1974 22:00	0.01
Bonita	10/29/1974 23:00	0.01
Bonita	10/29/1974 24:00	0.01
Bonita	10/30/1974 13:00	0.01
Bonita	10/30/1974 14:00	0.01
Bonita	10/30/1974 15:00	0.01
Bonita	10/30/1974 16:00	0.04
Bonita	10/30/1974 17:00	0.01
Bonita	11/1/1974 15:00	0.01
Bonita	11/1/1974 16:00	0.02
Bonita	11/2/1974 16:00	0.01
Bonita	11/22/1974 16:00	0.01
Bonita	12/3/1974 16:00	0.01

Bonita	12/4/1974	1:00	0.01
Bonita	12/4/1974	2:00	0.01
Bonita	12/4/1974	3:00	0.01
Bonita	12/4/1974	4:00	0.01
Bonita	12/4/1974	5:00	0.01
Bonita	12/4/1974	6:00	0.01
Bonita	12/4/1974	7:00	0.01
Bonita	12/4/1974	8:00	0.01
Bonita	12/4/1974	9:00	0.02
Bonita	12/4/1974	10:00	0.02
Bonita	12/4/1974	11:00	0.02
Bonita	12/4/1974	12:00	0.03
Bonita	12/4/1974	13:00	0.03
Bonita	12/4/1974	14:00	0.04
Bonita	12/4/1974	15:00	0.06
Bonita	12/4/1974	16:00	0.23
Bonita	12/4/1974	17:00	0.04
Bonita	12/4/1974	18:00	0.02
Bonita	12/4/1974	19:00	0.02
Bonita	12/4/1974	20:00	0.01
Bonita	12/4/1974	21:00	0.01
Bonita	12/4/1974	22:00	0.01
Bonita	12/4/1974	23:00	0.01
Bonita	12/4/1974	24:00	0.01
Bonita	12/28/1974	4:00	0.01
Bonita	12/28/1974	5:00	0.01
Bonita	12/28/1974	6:00	0.01
Bonita	12/28/1974	7:00	0.01
Bonita	12/28/1974	8:00	0.01
Bonita	12/28/1974	9:00	0.01
Bonita	12/28/1974	10:00	0.01
Bonita	12/28/1974	11:00	0.01
Bonita	12/28/1974	12:00	0.01
Bonita	12/28/1974	13:00	0.01
Bonita	12/28/1974	14:00	0.02
Bonita	12/28/1974	15:00	0.03
Bonita	12/28/1974	16:00	0.1
Bonita	12/28/1974	17:00	0.02
Bonita	12/28/1974	18:00	0.01
Bonita	12/28/1974	19:00	0.01
Bonita	12/28/1974	20:00	0.01
Bonita	12/28/1974	21:00	0.01
Bonita	12/29/1974	6:00	0.01
Bonita	12/29/1974	7:00	0.01
Bonita	12/29/1974	8:00	0.01
Bonita	12/29/1974	9:00	0.01
Bonita	12/29/1974	10:00	0.01
Bonita	12/29/1974	11:00	0.01
Bonita	12/29/1974	12:00	0.01
Bonita	12/29/1974	13:00	0.01

Bonita	12/29/1974	14:00	0.02
Bonita	12/29/1974	15:00	0.03
Bonita	12/29/1974	16:00	0.09
Bonita	12/29/1974	17:00	0.01
Bonita	12/29/1974	18:00	0.01
Bonita	12/29/1974	19:00	0.01
Bonita	12/29/1974	20:00	0.01
Bonita	1/7/1975	5:00	0.01
Bonita	1/7/1975	6:00	0.01
Bonita	1/7/1975	8:00	0.01
Bonita	1/7/1975	12:00	0.01
Bonita	1/9/1975	3:00	0.01
Bonita	1/9/1975	6:00	0.02
Bonita	1/9/1975	8:00	0.01
Bonita	1/30/1975	14:00	0.01
Bonita	1/30/1975	15:00	0.04
Bonita	1/30/1975	16:00	0.01
Bonita	1/30/1975	17:00	0.01
Bonita	1/30/1975	22:00	0.02
Bonita	1/30/1975	23:00	0.02
Bonita	1/30/1975	24:00	0.01
Bonita	1/31/1975	2:00	0.01
Bonita	1/31/1975	4:00	0.01
Bonita	2/3/1975	11:00	0.01
Bonita	2/3/1975	12:00	0.01
Bonita	2/3/1975	17:00	0.02
Bonita	2/3/1975	18:00	0.01
Bonita	2/3/1975	19:00	0.01
Bonita	2/3/1975	21:00	0.01
Bonita	2/3/1975	22:00	0.01
Bonita	2/3/1975	23:00	0.01
Bonita	2/4/1975	7:00	0.04
Bonita	2/4/1975	8:00	0.03
Bonita	2/4/1975	9:00	0.04
Bonita	2/4/1975	10:00	0.04
Bonita	2/4/1975	11:00	0.05
Bonita	2/4/1975	12:00	0.02
Bonita	2/4/1975	17:00	0.01
Bonita	2/4/1975	18:00	0.01
Bonita	2/5/1975	2:00	0.02
Bonita	2/5/1975	4:00	0.01
Bonita	2/9/1975	6:00	0.05
Bonita	2/9/1975	7:00	0.02
Bonita	2/9/1975	8:00	0.01
Bonita	2/9/1975	19:00	0.01
Bonita	2/9/1975	20:00	0.04
Bonita	2/9/1975	21:00	0.01
Bonita	2/9/1975	24:00	0.01
Bonita	2/10/1975	1:00	0.01
Bonita	2/10/1975	2:00	0.01

Bonita	2/10/1975	3:00	0.01
Bonita	2/10/1975	4:00	0.01
Bonita	3/4/1975	13:00	0.02
Bonita	3/4/1975	19:00	0.02
Bonita	3/4/1975	20:00	0.01
Bonita	3/4/1975	23:00	0.01
Bonita	3/5/1975	3:00	0.01
Bonita	3/5/1975	14:00	0.01
Bonita	3/5/1975	15:00	0.06
Bonita	3/5/1975	16:00	0.02
Bonita	3/5/1975	18:00	0.02
Bonita	3/6/1975	7:00	0.01
Bonita	3/6/1975	8:00	0.16
Bonita	3/6/1975	9:00	0.21
Bonita	3/6/1975	10:00	0.11
Bonita	3/6/1975	11:00	0.23
Bonita	3/6/1975	12:00	0.01
Bonita	3/6/1975	13:00	0.26
Bonita	3/6/1975	15:00	0.02
Bonita	3/6/1975	18:00	0.01
Bonita	3/6/1975	20:00	0.01
Bonita	3/6/1975	22:00	0.01
Bonita	3/7/1975	2:00	0.01
Bonita	3/7/1975	18:00	0.01
Bonita	3/7/1975	20:00	0.01
Bonita	3/7/1975	21:00	0.01
Bonita	3/8/1975	10:00	0.05
Bonita	3/8/1975	11:00	0.11
Bonita	3/8/1975	12:00	0.13
Bonita	3/8/1975	13:00	0.03
Bonita	3/8/1975	16:00	0.01
Bonita	3/8/1975	19:00	0.04
Bonita	3/8/1975	20:00	0.01
Bonita	3/9/1975	1:00	0.03
Bonita	3/9/1975	4:00	0.01
Bonita	3/9/1975	13:00	0.01
Bonita	3/9/1975	19:00	0.01
Bonita	3/9/1975	23:00	0.01
Bonita	3/10/1975	7:00	0.01
Bonita	3/10/1975	11:00	0.01
Bonita	3/10/1975	12:00	0.02
Bonita	3/10/1975	13:00	0.11
Bonita	3/10/1975	14:00	0.13
Bonita	3/10/1975	15:00	0.18
Bonita	3/10/1975	16:00	0.15
Bonita	3/10/1975	17:00	0.23
Bonita	3/10/1975	18:00	0.01
Bonita	3/10/1975	19:00	0.01
Bonita	3/10/1975	20:00	0.03
Bonita	3/10/1975	21:00	0.03

Bonita	3/11/1975	1:00	0.04
Bonita	3/11/1975	6:00	0.01
Bonita	3/11/1975	7:00	0.19
Bonita	3/11/1975	8:00	0.01
Bonita	3/11/1975	11:00	0.04
Bonita	3/11/1975	14:00	0.03
Bonita	3/11/1975	15:00	0.08
Bonita	3/11/1975	16:00	0.09
Bonita	3/11/1975	17:00	0.08
Bonita	3/11/1975	18:00	0.03
Bonita	3/11/1975	20:00	0.02
Bonita	3/11/1975	22:00	0.01
Bonita	3/12/1975	3:00	0.01
Bonita	3/13/1975	19:00	0.01
Bonita	3/13/1975	21:00	0.01
Bonita	3/13/1975	24:00	0.01
Bonita	3/14/1975	2:00	0.03
Bonita	3/14/1975	3:00	0.07
Bonita	3/14/1975	4:00	0.02
Bonita	3/14/1975	5:00	0.01
Bonita	3/14/1975	6:00	0.01
Bonita	3/14/1975	8:00	0.01
Bonita	3/14/1975	11:00	0.01
Bonita	3/14/1975	13:00	0.01
Bonita	3/14/1975	20:00	0.03
Bonita	3/15/1975	2:00	0.01
Bonita	3/22/1975	8:00	0.02
Bonita	3/22/1975	9:00	0.04
Bonita	3/22/1975	10:00	0.03
Bonita	3/22/1975	11:00	0.05
Bonita	3/22/1975	12:00	0.04
Bonita	3/22/1975	18:00	0.01
Bonita	3/22/1975	19:00	0.01
Bonita	3/22/1975	21:00	0.01
Bonita	3/23/1975	4:00	0.01
Bonita	3/25/1975	17:00	0.03
Bonita	3/25/1975	18:00	0.01
Bonita	3/25/1975	21:00	0.01
Bonita	3/26/1975	6:00	0.01
Bonita	3/31/1975	15:00	0.01
Bonita	3/31/1975	22:00	0.01
Bonita	4/1/1975	5:00	0.01
Bonita	4/5/1975	17:00	0.01
Bonita	4/5/1975	18:00	0.01
Bonita	4/5/1975	19:00	0.02
Bonita	4/5/1975	22:00	0.09
Bonita	4/5/1975	23:00	0.01
Bonita	4/5/1975	24:00	0.02
Bonita	4/6/1975	1:00	0.01
Bonita	4/6/1975	2:00	0.04

Bonita	4/6/1975	4:00	0.02
Bonita	4/6/1975	7:00	0.02
Bonita	4/6/1975	11:00	0.01
Bonita	4/6/1975	16:00	0.05
Bonita	4/6/1975	17:00	0.02
Bonita	4/6/1975	18:00	0.01
Bonita	4/6/1975	19:00	0.02
Bonita	4/6/1975	20:00	0.02
Bonita	4/6/1975	21:00	0.08
Bonita	4/6/1975	22:00	0.01
Bonita	4/6/1975	23:00	0.06
Bonita	4/6/1975	24:00	0.01
Bonita	4/7/1975	1:00	0.1
Bonita	4/7/1975	2:00	0.03
Bonita	4/7/1975	5:00	0.01
Bonita	4/7/1975	18:00	0.01
Bonita	4/7/1975	19:00	0.01
Bonita	4/7/1975	20:00	0.01
Bonita	4/7/1975	21:00	0.03
Bonita	4/7/1975	22:00	0.01
Bonita	4/7/1975	23:00	0.02
Bonita	4/8/1975	1:00	0.02
Bonita	4/8/1975	8:00	0.01
Bonita	4/8/1975	10:00	0.14
Bonita	4/8/1975	11:00	0.03
Bonita	4/8/1975	13:00	0.02
Bonita	4/8/1975	17:00	0.01
Bonita	4/8/1975	19:00	0.01
Bonita	4/8/1975	21:00	0.02
Bonita	4/8/1975	23:00	0.04
Bonita	4/8/1975	24:00	0.05
Bonita	4/9/1975	1:00	0.04
Bonita	4/9/1975	2:00	0.01
Bonita	4/9/1975	3:00	0.02
Bonita	4/9/1975	5:00	0.01
Bonita	4/9/1975	6:00	0.05
Bonita	4/9/1975	7:00	0.02
Bonita	4/9/1975	9:00	0.09
Bonita	4/9/1975	10:00	0.13
Bonita	4/9/1975	17:00	0.01
Bonita	4/9/1975	18:00	0.02
Bonita	4/9/1975	19:00	0.01
Bonita	4/9/1975	22:00	0.01
Bonita	4/9/1975	24:00	0.01
Bonita	4/10/1975	1:00	0.01
Bonita	4/14/1975	19:00	0.03
Bonita	4/14/1975	20:00	0.01
Bonita	4/14/1975	21:00	0.01
Bonita	4/15/1975	16:00	0.02
Bonita	4/15/1975	18:00	0.01

Bonita	4/15/1975	23:00	0.01
Bonita	4/15/1975	24:00	0.01
Bonita	4/16/1975	1:00	0.01
Bonita	4/16/1975	2:00	0.02
Bonita	4/16/1975	5:00	0.01
Bonita	4/16/1975	11:00	0.03
Bonita	4/16/1975	14:00	0.04
Bonita	4/16/1975	15:00	0.02
Bonita	4/16/1975	18:00	0.01
Bonita	4/17/1975	2:00	0.02
Bonita	4/17/1975	3:00	0.01
Bonita	4/17/1975	4:00	0.01
Bonita	4/25/1975	7:00	0.05
Bonita	5/19/1975	19:00	0.01
Bonita	5/19/1975	23:00	0.01
Bonita	5/20/1975	4:00	0.01
Bonita	5/20/1975	6:00	0.02
Bonita	5/20/1975	7:00	0.01
Bonita	6/18/1975	24:00	0.2
Bonita	9/7/1975	6:00	0.01
Bonita	9/7/1975	8:00	0.01
Bonita	10/6/1975	17:00	0.04
Bonita	10/6/1975	18:00	0.02
Bonita	10/6/1975	19:00	0.01
Bonita	10/6/1975	20:00	0.01
Bonita	10/7/1975	1:00	0.02
Bonita	10/30/1975	15:00	0.01
Bonita	10/30/1975	16:00	0.02
Bonita	11/27/1975	9:00	0.01
Bonita	11/27/1975	16:00	0.02
Bonita	11/27/1975	17:00	0.05
Bonita	11/27/1975	18:00	0.1
Bonita	11/27/1975	19:00	0.02
Bonita	11/27/1975	22:00	0.01
Bonita	11/28/1975	1:00	0.05
Bonita	11/28/1975	4:00	0.01
Bonita	11/28/1975	6:00	0.01
Bonita	11/28/1975	7:00	0.01
Bonita	11/28/1975	9:00	0.01
Bonita	11/28/1975	13:00	0.05
Bonita	11/28/1975	14:00	0.02
Bonita	11/28/1975	15:00	0.02
Bonita	11/28/1975	16:00	0.01
Bonita	11/28/1975	19:00	0.02
Bonita	11/28/1975	21:00	0.03
Bonita	11/28/1975	23:00	0.01
Bonita	11/28/1975	24:00	0.01
Bonita	11/29/1975	4:00	0.01
Bonita	11/29/1975	5:00	0.01
Bonita	11/29/1975	6:00	0.01

Bonita	11/29/1975	7:00	0.01
Bonita	11/29/1975	13:00	0.01
Bonita	11/29/1975	16:00	0.01
Bonita	11/29/1975	17:00	0.01
Bonita	11/29/1975	18:00	0.01
Bonita	12/12/1975	15:00	0.02
Bonita	12/12/1975	16:00	0.05
Bonita	12/12/1975	17:00	0.05
Bonita	12/12/1975	18:00	0.02
Bonita	12/12/1975	19:00	0.01
Bonita	12/12/1975	20:00	0.04
Bonita	12/12/1975	22:00	0.01
Bonita	12/13/1975	5:00	0.01
Bonita	12/13/1975	22:00	0.01
Bonita	12/13/1975	24:00	0.02
Bonita	12/20/1975	11:00	0.02
Bonita	12/20/1975	12:00	0.02
Bonita	2/3/1976	13:00	0.04
Bonita	2/3/1976	14:00	0.02
Bonita	2/3/1976	15:00	0.05
Bonita	2/3/1976	16:00	0.04
Bonita	2/3/1976	17:00	0.02
Bonita	2/3/1976	18:00	0.02
Bonita	2/3/1976	19:00	0.02
Bonita	2/3/1976	24:00	0.01
Bonita	2/4/1976	1:00	0.03
Bonita	2/4/1976	2:00	0.01
Bonita	2/4/1976	13:00	0.01
Bonita	2/4/1976	14:00	0.03
Bonita	2/4/1976	15:00	0.01
Bonita	2/4/1976	16:00	0.01
Bonita	2/4/1976	18:00	0.03
Bonita	2/4/1976	21:00	0.05
Bonita	2/4/1976	22:00	0.05
Bonita	2/4/1976	23:00	0.02
Bonita	2/4/1976	24:00	0.03
Bonita	2/5/1976	1:00	0.1
Bonita	2/5/1976	2:00	0.05
Bonita	2/5/1976	3:00	0.07
Bonita	2/5/1976	4:00	0.03
Bonita	2/5/1976	5:00	0.14
Bonita	2/5/1976	6:00	0.02
Bonita	2/5/1976	7:00	0.09
Bonita	2/5/1976	8:00	0.03
Bonita	2/5/1976	9:00	0.03
Bonita	2/5/1976	10:00	0.06
Bonita	2/5/1976	11:00	0.02
Bonita	2/5/1976	12:00	0.04
Bonita	2/5/1976	14:00	0.01
Bonita	2/5/1976	16:00	0.12

Bonita	2/5/1976	17:00	0.02
Bonita	2/5/1976	18:00	0.05
Bonita	2/5/1976	19:00	0.05
Bonita	2/5/1976	24:00	0.1
Bonita	2/6/1976	1:00	0.15
Bonita	2/6/1976	2:00	0.1
Bonita	2/6/1976	3:00	0.06
Bonita	2/6/1976	4:00	0.09
Bonita	2/6/1976	5:00	0.01
Bonita	2/6/1976	6:00	0.09
Bonita	2/6/1976	7:00	0.01
Bonita	2/6/1976	10:00	0.01
Bonita	2/6/1976	13:00	0.01
Bonita	2/6/1976	14:00	0.01
Bonita	2/6/1976	16:00	0.03
Bonita	2/6/1976	17:00	0.01
Bonita	2/6/1976	18:00	0.01
Bonita	2/6/1976	21:00	0.01
Bonita	2/7/1976	1:00	0.05
Bonita	2/7/1976	2:00	0.15
Bonita	2/7/1976	3:00	0.04
Bonita	2/7/1976	4:00	0.16
Bonita	2/7/1976	5:00	0.09
Bonita	2/7/1976	6:00	0.17
Bonita	2/7/1976	7:00	0.08
Bonita	2/7/1976	8:00	0.05
Bonita	2/7/1976	9:00	0.01
Bonita	2/8/1976	9:00	0.03
Bonita	2/8/1976	13:00	0.01
Bonita	2/8/1976	15:00	0.21
Bonita	2/8/1976	16:00	0.15
Bonita	2/8/1976	17:00	0.15
Bonita	2/8/1976	18:00	0.1
Bonita	2/8/1976	19:00	0.15
Bonita	2/8/1976	20:00	0.05
Bonita	2/8/1976	21:00	0.15
Bonita	2/8/1976	23:00	0.01
Bonita	2/8/1976	24:00	0.14
Bonita	2/9/1976	1:00	0.06
Bonita	2/9/1976	2:00	0.01
Bonita	2/9/1976	3:00	0.01
Bonita	2/9/1976	5:00	0.06
Bonita	2/9/1976	6:00	0.1
Bonita	2/9/1976	7:00	0.05
Bonita	2/9/1976	8:00	0.15
Bonita	2/9/1976	10:00	0.03
Bonita	2/9/1976	14:00	0.01
Bonita	2/10/1976	3:00	0.01
Bonita	2/10/1976	4:00	0.02
Bonita	2/10/1976	5:00	0.01

Bonita	2/10/1976	6:00	0.09
Bonita	2/10/1976	7:00	0.06
Bonita	2/10/1976	8:00	0.18
Bonita	2/10/1976	9:00	0.02
Bonita	2/10/1976	11:00	0.1
Bonita	2/10/1976	12:00	0.05
Bonita	2/10/1976	13:00	0.04
Bonita	2/10/1976	14:00	0.06
Bonita	2/10/1976	15:00	0.06
Bonita	3/1/1976	17:00	0.01
Bonita	3/1/1976	18:00	0.15
Bonita	3/1/1976	19:00	0.3
Bonita	3/1/1976	20:00	0.02
Bonita	3/1/1976	21:00	0.03
Bonita	3/1/1976	22:00	0.07
Bonita	3/1/1976	23:00	0.02
Bonita	3/1/1976	24:00	0.01
Bonita	3/2/1976	6:00	0.01
Bonita	3/2/1976	8:00	0.01
Bonita	3/2/1976	18:00	0.01
Bonita	3/2/1976	22:00	0.05
Bonita	3/2/1976	24:00	0.01
Bonita	3/3/1976	1:00	0.1
Bonita	3/3/1976	2:00	0.09
Bonita	3/3/1976	3:00	0.04
Bonita	3/3/1976	4:00	0.01
Bonita	3/3/1976	5:00	0.02
Bonita	3/3/1976	6:00	0.01
Bonita	3/3/1976	7:00	0.02
Bonita	3/3/1976	9:00	0.01
Bonita	3/3/1976	11:00	0.12
Bonita	3/3/1976	12:00	0.03
Bonita	3/3/1976	14:00	0.02
Bonita	3/3/1976	18:00	0.01
Bonita	3/3/1976	20:00	0.01
Bonita	3/3/1976	22:00	0.01
Bonita	3/4/1976	4:00	0.01
Bonita	4/4/1976	4:00	0.01
Bonita	4/4/1976	5:00	0.01
Bonita	4/4/1976	6:00	0.01
Bonita	4/4/1976	14:00	0.02
Bonita	4/4/1976	15:00	0.02
Bonita	4/4/1976	16:00	0.05
Bonita	4/4/1976	17:00	0.01
Bonita	4/4/1976	18:00	0.01
Bonita	4/4/1976	19:00	0.06
Bonita	4/4/1976	20:00	0.05
Bonita	4/4/1976	21:00	0.05
Bonita	4/4/1976	22:00	0.01
Bonita	4/4/1976	23:00	0.01

Bonita	4/4/1976	24:00	0.01
Bonita	4/5/1976	2:00	0.01
Bonita	4/5/1976	5:00	0.01
Bonita	4/5/1976	18:00	0.02
Bonita	4/5/1976	19:00	0.01
Bonita	4/5/1976	20:00	0.01
Bonita	4/5/1976	24:00	0.01
Bonita	4/12/1976	18:00	0.01
Bonita	4/12/1976	20:00	0.01
Bonita	4/12/1976	21:00	0.01
Bonita	4/12/1976	22:00	0.01
Bonita	4/12/1976	24:00	0.01
Bonita	4/13/1976	1:00	0.02
Bonita	4/13/1976	2:00	0.02
Bonita	4/13/1976	3:00	0.02
Bonita	4/13/1976	4:00	0.02
Bonita	4/13/1976	5:00	0.07
Bonita	4/13/1976	6:00	0.25
Bonita	4/13/1976	7:00	0.05
Bonita	4/13/1976	8:00	0.1
Bonita	4/13/1976	9:00	0.05
Bonita	4/13/1976	10:00	0.05
Bonita	4/13/1976	18:00	0.01
Bonita	4/15/1976	9:00	0.02
Bonita	4/15/1976	16:00	0.02
Bonita	4/15/1976	18:00	0.05
Bonita	4/15/1976	19:00	0.05
Bonita	4/15/1976	20:00	0.01
Bonita	4/15/1976	22:00	0.01
Bonita	5/6/1976	2:00	0.04
Bonita	5/6/1976	4:00	0.01
Bonita	8/16/1976	5:00	0.01
Bonita	9/9/1976	21:00	0.01
Bonita	9/9/1976	22:00	0.02
Bonita	9/9/1976	23:00	0.03
Bonita	9/9/1976	24:00	0.02
Bonita	9/10/1976	1:00	0.02
Bonita	9/10/1976	2:00	0.06
Bonita	9/10/1976	3:00	0.03
Bonita	9/10/1976	4:00	0.05
Bonita	9/10/1976	5:00	0.08
Bonita	9/10/1976	7:00	0.02
Bonita	9/10/1976	8:00	0.09
Bonita	9/10/1976	9:00	0.23
Bonita	9/10/1976	10:00	0.11
Bonita	9/10/1976	14:00	0.02
Bonita	9/10/1976	15:00	0.07
Bonita	9/10/1976	16:00	0.08
Bonita	9/10/1976	18:00	0.02
Bonita	9/10/1976	22:00	0.3

Bonita	9/10/1976	23:00	0.04
Bonita	9/10/1976	24:00	0.01
Bonita	9/11/1976	2:00	0.01
Bonita	9/11/1976	3:00	0.01
Bonita	9/11/1976	4:00	0.01
Bonita	9/11/1976	6:00	0.01
Bonita	9/11/1976	12:00	0.01
Bonita	10/1/1976	23:00	0.01
Bonita	10/1/1976	24:00	0.01
Bonita	10/2/1976	6:00	0.02
Bonita	10/2/1976	10:00	0.01
Bonita	10/21/1976	2:00	0.02
Bonita	10/21/1976	4:00	0.06
Bonita	10/21/1976	5:00	0.02
Bonita	10/21/1976	6:00	0.02
Bonita	10/21/1976	7:00	0.05
Bonita	10/21/1976	8:00	0.1
Bonita	10/21/1976	9:00	0.01
Bonita	10/22/1976	6:00	0.35
Bonita	10/22/1976	7:00	0.02
Bonita	10/22/1976	8:00	0.02
Bonita	10/22/1976	11:00	0.11
Bonita	10/22/1976	21:00	0.15
Bonita	10/22/1976	22:00	0.05
Bonita	10/23/1976	6:00	0.01
Bonita	10/23/1976	13:00	0.33
Bonita	11/11/1976	23:00	0.02
Bonita	11/11/1976	24:00	0.25
Bonita	11/12/1976	1:00	0.13
Bonita	11/12/1976	2:00	0.6
Bonita	11/12/1976	3:00	0.1
Bonita	11/12/1976	4:00	0.07
Bonita	11/12/1976	7:00	0.03
Bonita	11/12/1976	9:00	0.05
Bonita	11/14/1976	21:00	0.02
Bonita	1/28/1977	21:00	0.01
Bonita	1/28/1977	22:00	0.03
Bonita	1/28/1977	23:00	0.03
Bonita	1/29/1977	2:00	0.01
Bonita	1/29/1977	3:00	0.03
Bonita	1/29/1977	4:00	0.02
Bonita	2/24/1977	10:00	0.02
Bonita	2/24/1977	12:00	0.01
Bonita	2/24/1977	15:00	0.01
Bonita	2/24/1977	16:00	0.02
Bonita	2/24/1977	18:00	0.02
Bonita	3/16/1977	12:00	0.05
Bonita	3/16/1977	14:00	0.05
Bonita	3/16/1977	17:00	0.01
Bonita	3/16/1977	18:00	0.02

Bonita	3/16/1977	19:00	0.02
Bonita	3/16/1977	20:00	0.06
Bonita	3/16/1977	22:00	0.03
Bonita	3/17/1977	1:00	0.04
Bonita	3/17/1977	2:00	0.01
Bonita	3/17/1977	4:00	0.01
Bonita	3/24/1977	16:00	0.01
Bonita	3/24/1977	17:00	0.01
Bonita	3/24/1977	18:00	0.01
Bonita	3/24/1977	22:00	0.01
Bonita	3/24/1977	23:00	0.01
Bonita	3/25/1977	2:00	0.01
Bonita	3/25/1977	3:00	0.15
Bonita	3/25/1977	4:00	0.05
Bonita	3/25/1977	5:00	0.05
Bonita	3/25/1977	7:00	0.01
Bonita	3/25/1977	14:00	0.02
Bonita	3/25/1977	15:00	0.01
Bonita	3/25/1977	16:00	0.02
Bonita	3/25/1977	20:00	0.01
Bonita	4/1/1977	6:00	0.02
Bonita	4/2/1977	15:00	0.01
Bonita	4/2/1977	16:00	0.01
Bonita	4/14/1977	3:00	0.01
Bonita	5/7/1977	7:00	0.03
Bonita	5/7/1977	17:00	0.01
Bonita	5/7/1977	20:00	0.01
Bonita	5/8/1977	15:00	0.1
Bonita	5/8/1977	16:00	0.08
Bonita	5/8/1977	17:00	0.08
Bonita	5/8/1977	19:00	0.03
Bonita	5/8/1977	20:00	0.01
Bonita	5/8/1977	21:00	0.35
Bonita	5/8/1977	22:00	0.1
Bonita	5/8/1977	23:00	0.25
Bonita	5/8/1977	24:00	0.1
Bonita	5/9/1977	1:00	0.01
Bonita	5/9/1977	4:00	0.03
Bonita	5/9/1977	6:00	0.08
Bonita	5/9/1977	8:00	0.01
Bonita	5/9/1977	10:00	0.05
Bonita	5/9/1977	14:00	0.01
Bonita	5/9/1977	16:00	0.01
Bonita	5/9/1977	17:00	0.01
Bonita	5/9/1977	19:00	0.02
Bonita	5/12/1977	8:00	0.01
Bonita	5/24/1977	4:00	0.05
Bonita	5/24/1977	5:00	0.03
Bonita	5/24/1977	7:00	0.03
Bonita	5/24/1977	9:00	0.02

Bonita	6/8/1977	14:00	0.05
Bonita	6/28/1977	4:00	0.01
Bonita	6/28/1977	6:00	0.01
Bonita	6/28/1977	7:00	0.02
Bonita	6/28/1977	8:00	0.01
Bonita	8/16/1977	13:00	0.05
Bonita	8/16/1977	14:00	0.05
Bonita	8/16/1977	15:00	0.05
Bonita	8/16/1977	16:00	0.05
Bonita	8/16/1977	17:00	0.06
Bonita	8/16/1977	18:00	0.01
Bonita	8/16/1977	19:00	0.08
Bonita	8/16/1977	20:00	0.05
Bonita	8/16/1977	21:00	0.07
Bonita	8/16/1977	22:00	0.28
Bonita	8/16/1977	23:00	0.05
Bonita	8/16/1977	24:00	0.4
Bonita	8/17/1977	1:00	0.05
Bonita	8/17/1977	2:00	0.1
Bonita	8/17/1977	3:00	0.12
Bonita	8/17/1977	4:00	0.08
Bonita	8/17/1977	5:00	0.07
Bonita	8/17/1977	6:00	0.02
Bonita	8/17/1977	7:00	0.01
Bonita	8/17/1977	8:00	0.1
Bonita	8/17/1977	9:00	0.08
Bonita	8/17/1977	10:00	0.03
Bonita	8/17/1977	15:00	0.02
Bonita	8/17/1977	18:00	0.01
Bonita	8/17/1977	19:00	0.01
Bonita	10/4/1977	15:00	0.01
Bonita	10/4/1977	17:00	0.01
Bonita	10/4/1977	18:00	0.01
Bonita	10/4/1977	20:00	0.01
Bonita	10/5/1977	5:00	0.01
Bonita	10/5/1977	12:00	0.01
Bonita	10/5/1977	14:00	0.01
Bonita	10/5/1977	16:00	0.01
Bonita	10/5/1977	18:00	0.01
Bonita	10/5/1977	19:00	0.02
Bonita	10/5/1977	22:00	0.03
Bonita	10/5/1977	23:00	0.06
Bonita	10/5/1977	24:00	0.04
Bonita	10/6/1977	1:00	0.03
Bonita	10/6/1977	4:00	0.03
Bonita	10/6/1977	5:00	0.01
Bonita	10/6/1977	6:00	0.02
Bonita	10/6/1977	7:00	0.01
Bonita	10/6/1977	8:00	0.01
Bonita	10/6/1977	10:00	0.2

Bonita	10/6/1977	11:00	0.18
Bonita	10/6/1977	12:00	0.01
Bonita	10/6/1977	14:00	0.01
Bonita	10/6/1977	18:00	0.02
Bonita	10/6/1977	19:00	0.01
Bonita	10/6/1977	21:00	0.01
Bonita	11/5/1977	18:00	0.02
Bonita	11/5/1977	19:00	0.02
Bonita	11/6/1977	2:00	0.03
Bonita	11/6/1977	4:00	0.01
Bonita	11/6/1977	6:00	0.01
Bonita	12/18/1977	1:00	0.03
Bonita	12/18/1977	3:00	0.02
Bonita	12/18/1977	8:00	0.09
Bonita	12/18/1977	9:00	0.06
Bonita	12/18/1977	10:00	0.13
Bonita	12/18/1977	11:00	0.01
Bonita	12/18/1977	12:00	0.01
Bonita	12/18/1977	15:00	0.01
Bonita	12/18/1977	17:00	0.01
Bonita	12/18/1977	18:00	0.01
Bonita	12/18/1977	19:00	0.01
Bonita	12/18/1977	21:00	0.01
Bonita	12/18/1977	23:00	0.01
Bonita	12/19/1977	6:00	0.01
Bonita	12/23/1977	1:00	0.04
Bonita	12/23/1977	4:00	0.07
Bonita	12/23/1977	5:00	0.02
Bonita	12/23/1977	14:00	0.02
Bonita	12/23/1977	15:00	0.05
Bonita	12/23/1977	16:00	0.02
Bonita	12/23/1977	18:00	0.03
Bonita	12/25/1977	7:00	0.02
Bonita	12/25/1977	8:00	0.04
Bonita	12/25/1977	9:00	0.04
Bonita	12/25/1977	10:00	0.05
Bonita	12/25/1977	11:00	0.08
Bonita	12/25/1977	12:00	0.04
Bonita	12/25/1977	13:00	0.05
Bonita	12/25/1977	14:00	0.04
Bonita	12/25/1977	15:00	0.01
Bonita	12/25/1977	16:00	0.02
Bonita	12/25/1977	17:00	0.05
Bonita	12/25/1977	18:00	0.02
Bonita	12/25/1977	20:00	0.01
Bonita	12/25/1977	22:00	0.02
Bonita	12/25/1977	23:00	0.02
Bonita	12/26/1977	3:00	0.02
Bonita	12/26/1977	4:00	0.01
Bonita	12/26/1977	5:00	0.05

Bonita	12/26/1977	6:00	0.04
Bonita	12/26/1977	7:00	0.01
Bonita	12/26/1977	8:00	0.02
Bonita	12/26/1977	9:00	0.02
Bonita	12/26/1977	10:00	0.05
Bonita	12/26/1977	11:00	0.02
Bonita	12/26/1977	12:00	0.07
Bonita	12/26/1977	13:00	0.01
Bonita	12/26/1977	14:00	0.01
Bonita	12/26/1977	18:00	0.02
Bonita	12/26/1977	19:00	0.02
Bonita	12/26/1977	23:00	0.01
Bonita	12/27/1977	2:00	0.01
Bonita	12/27/1977	4:00	0.01
Bonita	12/27/1977	10:00	0.01
Bonita	12/27/1977	12:00	0.01
Bonita	12/27/1977	18:00	0.01
Bonita	12/27/1977	23:00	0.01
Bonita	12/28/1977	10:00	0.04
Bonita	12/28/1977	13:00	0.02
Bonita	12/28/1977	14:00	0.18
Bonita	12/28/1977	23:00	0.1
Bonita	12/29/1977	2:00	0.01
Bonita	12/29/1977	4:00	0.29
Bonita	12/29/1977	5:00	0.01
Bonita	12/29/1977	10:00	0.05
Bonita	12/30/1977	1:00	0.01
Bonita	12/30/1977	4:00	0.01
Bonita	12/30/1977	5:00	0.06
Bonita	12/30/1977	6:00	0.02
Bonita	1/3/1978	15:00	0.02
Bonita	1/3/1978	16:00	0.04
Bonita	1/3/1978	17:00	0.01
Bonita	1/3/1978	20:00	0.01
Bonita	1/4/1978	1:00	0.16
Bonita	1/4/1978	3:00	0.01
Bonita	1/4/1978	18:00	0.01
Bonita	1/4/1978	19:00	0.11
Bonita	1/4/1978	20:00	0.02
Bonita	1/4/1978	21:00	0.02
Bonita	1/4/1978	23:00	0.01
Bonita	1/5/1978	1:00	0.02
Bonita	1/5/1978	2:00	0.09
Bonita	1/5/1978	3:00	0.01
Bonita	1/5/1978	17:00	0.02
Bonita	1/5/1978	18:00	0.01
Bonita	1/9/1978	12:00	0.01
Bonita	1/9/1978	14:00	0.02
Bonita	1/9/1978	16:00	0.12
Bonita	1/9/1978	17:00	0.1

Bonita	1/9/1978	18:00	0.25
Bonita	1/9/1978	19:00	0.1
Bonita	1/9/1978	20:00	0.04
Bonita	1/10/1978	5:00	0.01
Bonita	1/10/1978	7:00	0.09
Bonita	1/10/1978	10:00	0.01
Bonita	1/10/1978	15:00	0.05
Bonita	1/10/1978	16:00	0.1
Bonita	1/10/1978	17:00	0.01
Bonita	1/10/1978	18:00	0.08
Bonita	1/10/1978	19:00	0.01
Bonita	1/10/1978	20:00	0.01
Bonita	1/11/1978	1:00	0.04
Bonita	1/11/1978	2:00	0.01
Bonita	1/14/1978	14:00	0.04
Bonita	1/14/1978	15:00	0.2
Bonita	1/14/1978	16:00	0.15
Bonita	1/14/1978	17:00	0.1
Bonita	1/14/1978	18:00	0.17
Bonita	1/14/1978	19:00	0.23
Bonita	1/14/1978	20:00	0.15
Bonita	1/14/1978	21:00	0.05
Bonita	1/14/1978	22:00	0.03
Bonita	1/14/1978	23:00	0.02
Bonita	1/14/1978	24:00	0.1
Bonita	1/15/1978	1:00	0.1
Bonita	1/15/1978	2:00	0.2
Bonita	1/15/1978	3:00	0.2
Bonita	1/15/1978	4:00	0.07
Bonita	1/15/1978	5:00	0.03
Bonita	1/15/1978	6:00	0.21
Bonita	1/15/1978	9:00	0.02
Bonita	1/15/1978	14:00	0.01
Bonita	1/15/1978	18:00	0.01
Bonita	1/16/1978	20:00	0.05
Bonita	1/16/1978	21:00	0.03
Bonita	1/16/1978	22:00	0.32
Bonita	1/16/1978	23:00	0.45
Bonita	1/17/1978	4:00	0.14
Bonita	1/17/1978	5:00	0.06
Bonita	1/17/1978	6:00	0.01
Bonita	1/17/1978	11:00	0.03
Bonita	1/17/1978	16:00	0.01
Bonita	1/17/1978	20:00	0.02
Bonita	1/18/1978	3:00	0.02
Bonita	1/19/1978	4:00	0.02
Bonita	1/19/1978	5:00	0.05
Bonita	1/19/1978	6:00	0.02
Bonita	1/19/1978	8:00	0.01
Bonita	1/19/1978	9:00	0.03

Bonita	1/19/1978	12:00	0.02
Bonita	1/19/1978	13:00	0.02
Bonita	1/19/1978	14:00	0.01
Bonita	1/19/1978	15:00	0.02
Bonita	1/19/1978	19:00	0.01
Bonita	1/19/1978	21:00	0.09
Bonita	1/19/1978	22:00	0.04
Bonita	1/19/1978	23:00	0.01
Bonita	1/30/1978	6:00	0.01
Bonita	1/30/1978	7:00	0.02
Bonita	1/30/1978	8:00	0.02
Bonita	1/30/1978	9:00	0.01
Bonita	1/30/1978	10:00	0.03
Bonita	1/30/1978	11:00	0.01
Bonita	1/30/1978	16:00	0.01
Bonita	1/30/1978	17:00	0.09
Bonita	1/30/1978	18:00	0.11
Bonita	1/30/1978	19:00	0.04
Bonita	1/30/1978	20:00	0.01
Bonita	2/5/1978	12:00	0.02
Bonita	2/5/1978	13:00	0.15
Bonita	2/5/1978	14:00	0.02
Bonita	2/5/1978	16:00	0.01
Bonita	2/5/1978	17:00	0.01
Bonita	2/5/1978	19:00	0.01
Bonita	2/5/1978	23:00	0.01
Bonita	2/6/1978	6:00	0.01
Bonita	2/6/1978	8:00	0.01
Bonita	2/6/1978	18:00	0.13
Bonita	2/7/1978	3:00	0.01
Bonita	2/7/1978	4:00	0.01
Bonita	2/7/1978	6:00	0.01
Bonita	2/7/1978	16:00	0.01
Bonita	2/7/1978	18:00	0.05
Bonita	2/7/1978	19:00	0.2
Bonita	2/7/1978	20:00	0.02
Bonita	2/7/1978	21:00	0.02
Bonita	2/7/1978	22:00	0.01
Bonita	2/8/1978	1:00	0.01
Bonita	2/8/1978	2:00	0.01
Bonita	2/8/1978	4:00	0.01
Bonita	2/8/1978	5:00	0.01
Bonita	2/8/1978	17:00	0.01
Bonita	2/8/1978	18:00	0.02
Bonita	2/8/1978	21:00	0.01
Bonita	2/8/1978	23:00	0.01
Bonita	2/9/1978	3:00	0.01
Bonita	2/9/1978	4:00	0.02
Bonita	2/9/1978	18:00	0.01
Bonita	2/9/1978	20:00	0.01

Bonita	2/9/1978	21:00	0.04
Bonita	2/9/1978	22:00	0.01
Bonita	2/10/1978	2:00	0.01
Bonita	2/10/1978	3:00	0.02
Bonita	2/10/1978	4:00	0.14
Bonita	2/10/1978	5:00	0.2
Bonita	2/10/1978	6:00	0.2
Bonita	2/10/1978	8:00	0.01
Bonita	2/10/1978	10:00	0.01
Bonita	2/10/1978	16:00	0.01
Bonita	2/10/1978	18:00	0.01
Bonita	2/10/1978	20:00	0.03
Bonita	2/10/1978	22:00	0.01
Bonita	2/11/1978	2:00	0.01
Bonita	2/11/1978	5:00	0.01
Bonita	2/11/1978	10:00	0.02
Bonita	2/11/1978	15:00	0.03
Bonita	2/11/1978	18:00	0.01
Bonita	2/11/1978	22:00	0.01
Bonita	2/12/1978	4:00	0.01
Bonita	2/12/1978	20:00	0.01
Bonita	2/12/1978	23:00	0.1
Bonita	2/12/1978	24:00	0.06
Bonita	2/13/1978	1:00	0.01
Bonita	2/13/1978	2:00	0.01
Bonita	2/13/1978	3:00	0.07
Bonita	2/13/1978	6:00	0.01
Bonita	2/13/1978	11:00	0.15
Bonita	2/13/1978	14:00	0.12
Bonita	2/13/1978	18:00	0.02
Bonita	2/13/1978	19:00	0.01
Bonita	2/14/1978	2:00	0.03
Bonita	2/14/1978	3:00	0.01
Bonita	2/14/1978	6:00	0.02
Bonita	2/14/1978	7:00	0.01
Bonita	2/14/1978	8:00	0.01
Bonita	2/27/1978	2:00	0.05
Bonita	2/27/1978	3:00	0.07
Bonita	2/27/1978	4:00	0.05
Bonita	2/27/1978	5:00	0.02
Bonita	2/27/1978	6:00	0.01
Bonita	2/27/1978	7:00	0.02
Bonita	2/27/1978	10:00	0.01
Bonita	2/27/1978	16:00	0.02
Bonita	2/27/1978	18:00	0.04
Bonita	2/27/1978	19:00	0.12
Bonita	2/27/1978	20:00	0.08
Bonita	2/27/1978	21:00	0.22
Bonita	2/27/1978	22:00	0.02
Bonita	2/27/1978	24:00	0.03

Bonita	2/28/1978	1:00	0.1
Bonita	2/28/1978	4:00	0.02
Bonita	2/28/1978	6:00	0.01
Bonita	2/28/1978	8:00	0.02
Bonita	2/28/1978	15:00	0.01
Bonita	2/28/1978	18:00	0.1
Bonita	2/28/1978	19:00	0.2
Bonita	2/28/1978	20:00	0.02
Bonita	3/1/1978	2:00	0.03
Bonita	3/1/1978	3:00	0.15
Bonita	3/1/1978	4:00	0.04
Bonita	3/1/1978	5:00	0.1
Bonita	3/1/1978	6:00	0.2
Bonita	3/1/1978	7:00	0.3
Bonita	3/1/1978	8:00	0.01
Bonita	3/1/1978	9:00	0.05
Bonita	3/1/1978	10:00	0.13
Bonita	3/1/1978	11:00	0.01
Bonita	3/1/1978	12:00	0.01
Bonita	3/1/1978	18:00	0.01
Bonita	3/1/1978	21:00	0.02
Bonita	3/1/1978	23:00	0.01
Bonita	3/2/1978	2:00	0.01
Bonita	3/2/1978	5:00	0.03
Bonita	3/2/1978	7:00	0.07
Bonita	3/2/1978	8:00	0.02
Bonita	3/2/1978	9:00	0.02
Bonita	3/2/1978	10:00	0.01
Bonita	3/2/1978	12:00	0.05
Bonita	3/2/1978	13:00	0.01
Bonita	3/2/1978	14:00	0.03
Bonita	3/2/1978	15:00	0.01
Bonita	3/2/1978	16:00	0.07
Bonita	3/4/1978	4:00	0.09
Bonita	3/4/1978	5:00	0.01
Bonita	3/4/1978	8:00	0.01
Bonita	3/4/1978	9:00	0.02
Bonita	3/4/1978	15:00	0.05
Bonita	3/4/1978	16:00	0.14
Bonita	3/4/1978	17:00	0.02
Bonita	3/4/1978	19:00	0.06
Bonita	3/4/1978	20:00	0.09
Bonita	3/5/1978	4:00	0.21
Bonita	3/5/1978	5:00	0.15
Bonita	3/5/1978	9:00	0.05
Bonita	3/5/1978	14:00	0.02
Bonita	3/9/1978	15:00	0.1
Bonita	3/9/1978	16:00	0.12
Bonita	3/9/1978	17:00	0.05
Bonita	3/9/1978	18:00	0.01

Bonita	3/9/1978	19:00	0.01
Bonita	3/9/1978	24:00	0.07
Bonita	3/10/1978	1:00	0.03
Bonita	3/10/1978	10:00	0.02
Bonita	3/10/1978	11:00	0.02
Bonita	3/11/1978	2:00	0.04
Bonita	3/11/1978	6:00	0.01
Bonita	3/11/1978	7:00	0.01
Bonita	3/11/1978	8:00	0.06
Bonita	3/11/1978	12:00	0.01
Bonita	3/11/1978	16:00	0.02
Bonita	3/11/1978	18:00	0.01
Bonita	3/11/1978	20:00	0.01
Bonita	3/11/1978	22:00	0.24
Bonita	3/11/1978	23:00	0.1
Bonita	3/11/1978	24:00	0.15
Bonita	3/12/1978	1:00	0.05
Bonita	3/12/1978	4:00	0.05
Bonita	3/12/1978	5:00	0.02
Bonita	3/12/1978	6:00	0.03
Bonita	3/12/1978	8:00	0.07
Bonita	3/12/1978	9:00	0.02
Bonita	3/12/1978	10:00	0.08
Bonita	3/12/1978	11:00	0.01
Bonita	3/12/1978	14:00	0.02
Bonita	3/21/1978	5:00	0.02
Bonita	3/22/1978	5:00	0.01
Bonita	3/22/1978	6:00	0.01
Bonita	3/22/1978	12:00	0.01
Bonita	3/22/1978	16:00	0.02
Bonita	3/22/1978	17:00	0.01
Bonita	3/29/1978	20:00	0.01
Bonita	3/29/1978	21:00	0.01
Bonita	3/29/1978	22:00	0.01
Bonita	3/30/1978	6:00	0.01
Bonita	3/30/1978	10:00	0.06
Bonita	3/30/1978	13:00	0.01
Bonita	3/30/1978	14:00	0.01
Bonita	3/30/1978	16:00	0.01
Bonita	3/30/1978	17:00	0.01
Bonita	3/30/1978	18:00	0.01
Bonita	3/30/1978	21:00	0.02
Bonita	3/30/1978	22:00	0.01
Bonita	3/30/1978	23:00	0.01
Bonita	3/31/1978	1:00	0.13
Bonita	3/31/1978	2:00	0.25
Bonita	3/31/1978	3:00	0.06
Bonita	3/31/1978	4:00	0.01
Bonita	3/31/1978	5:00	0.01
Bonita	3/31/1978	6:00	0.01

Bonita	3/31/1978	11:00	0.01
Bonita	3/31/1978	18:00	0.01
Bonita	3/31/1978	21:00	0.04
Bonita	3/31/1978	22:00	0.1
Bonita	3/31/1978	23:00	0.05
Bonita	3/31/1978	24:00	0.07
Bonita	4/1/1978	1:00	0.02
Bonita	4/1/1978	3:00	0.01
Bonita	4/1/1978	10:00	0.02
Bonita	4/1/1978	11:00	0.01
Bonita	4/1/1978	17:00	0.01
Bonita	4/1/1978	18:00	0.01
Bonita	4/1/1978	19:00	0.01
Bonita	4/1/1978	20:00	0.01
Bonita	4/1/1978	22:00	0.01
Bonita	4/2/1978	2:00	0.04
Bonita	4/2/1978	3:00	0.04
Bonita	4/2/1978	4:00	0.02
Bonita	4/2/1978	6:00	0.02
Bonita	4/2/1978	17:00	0.01
Bonita	4/2/1978	18:00	0.03
Bonita	4/2/1978	19:00	0.01
Bonita	4/3/1978	13:00	0.01
Bonita	4/3/1978	18:00	0.01
Bonita	4/3/1978	20:00	0.01
Bonita	4/4/1978	4:00	0.01
Bonita	4/4/1978	17:00	0.05
Bonita	4/4/1978	18:00	0.01
Bonita	4/4/1978	20:00	0.01
Bonita	4/4/1978	21:00	0.01
Bonita	4/4/1978	23:00	0.01
Bonita	4/5/1978	17:00	0.01
Bonita	4/5/1978	18:00	0.02
Bonita	4/5/1978	19:00	0.01
Bonita	4/5/1978	20:00	0.01
Bonita	4/5/1978	23:00	0.01
Bonita	4/6/1978	18:00	0.04
Bonita	4/6/1978	19:00	0.01
Bonita	4/7/1978	2:00	0.1
Bonita	4/7/1978	3:00	0.1
Bonita	4/7/1978	4:00	0.05
Bonita	4/7/1978	5:00	0.01
Bonita	4/7/1978	18:00	0.04
Bonita	4/7/1978	22:00	0.05
Bonita	4/7/1978	23:00	0.08
Bonita	4/15/1978	21:00	0.05
Bonita	4/15/1978	22:00	0.02
Bonita	4/15/1978	24:00	0.02
Bonita	4/16/1978	2:00	0.01
Bonita	4/16/1978	5:00	0.01

Bonita	4/16/1978	16:00	0.01
Bonita	4/16/1978	18:00	0.03
Bonita	4/16/1978	20:00	0.01
Bonita	4/16/1978	22:00	0.01
Bonita	4/30/1978	24:00	0.03
Bonita	5/1/1978	1:00	0.04
Bonita	5/1/1978	2:00	0.01
Bonita	5/1/1978	6:00	0.01
Bonita	5/1/1978	9:00	0.02
Bonita	5/1/1978	10:00	0.02
Bonita	9/5/1978	15:00	0.02
Bonita	9/5/1978	16:00	0.05
Bonita	9/5/1978	17:00	0.08
Bonita	9/5/1978	18:00	0.03
Bonita	9/5/1978	20:00	0.01
Bonita	9/6/1978	2:00	0.01
Bonita	9/6/1978	4:00	0.01
Bonita	9/6/1978	8:00	0.01
Bonita	9/6/1978	10:00	0.01
Bonita	9/16/1978	2:00	0.37
Bonita	9/16/1978	3:00	0.1
Bonita	9/16/1978	4:00	0.05
Bonita	9/16/1978	5:00	0.02
Bonita	9/16/1978	6:00	0.01
Bonita	9/16/1978	8:00	0.01
Bonita	9/16/1978	18:00	0.01
Bonita	9/16/1978	19:00	0.01
Bonita	10/20/1978	4:00	0.01
Bonita	10/20/1978	5:00	0.06
Bonita	10/20/1978	18:00	0.01
Bonita	10/31/1978	1:00	0.01
Bonita	10/31/1978	6:00	0.01
Bonita	10/31/1978	8:00	0.01
Bonita	11/10/1978	14:00	0.04
Bonita	11/10/1978	15:00	0.05
Bonita	11/10/1978	16:00	0.04
Bonita	11/10/1978	17:00	0.01
Bonita	11/10/1978	18:00	0.02
Bonita	11/10/1978	19:00	0.01
Bonita	11/10/1978	20:00	0.02
Bonita	11/10/1978	22:00	0.01
Bonita	11/11/1978	2:00	0.05
Bonita	11/11/1978	3:00	0.05
Bonita	11/11/1978	4:00	0.03
Bonita	11/11/1978	6:00	0.04
Bonita	11/11/1978	9:00	0.02
Bonita	11/11/1978	12:00	0.03
Bonita	11/11/1978	13:00	0.1
Bonita	11/11/1978	15:00	0.15
Bonita	11/11/1978	16:00	0.01

Bonita	11/11/1978 19:00	0.02
Bonita	11/11/1978 20:00	0.01
Bonita	11/11/1978 21:00	0.01
Bonita	11/11/1978 22:00	0.09
Bonita	11/11/1978 23:00	0.01
Bonita	11/12/1978 1:00	0.01
Bonita	11/12/1978 4:00	0.01
Bonita	11/12/1978 5:00	0.01
Bonita	11/12/1978 6:00	0.01
Bonita	11/12/1978 11:00	0.02
Bonita	11/12/1978 18:00	0.01
Bonita	11/12/1978 20:00	0.01
Bonita	11/13/1978 18:00	0.01
Bonita	11/13/1978 21:00	0.05
Bonita	11/13/1978 22:00	0.15
Bonita	11/13/1978 23:00	0.2
Bonita	11/14/1978 1:00	0.03
Bonita	11/14/1978 3:00	0.01
Bonita	11/14/1978 6:00	0.01
Bonita	11/14/1978 7:00	0.1
Bonita	11/14/1978 8:00	0.01
Bonita	11/14/1978 10:00	0.01
Bonita	11/14/1978 16:00	0.01
Bonita	11/14/1978 18:00	0.02
Bonita	11/14/1978 20:00	0.01
Bonita	11/21/1978 18:00	0.05
Bonita	11/21/1978 19:00	0.1
Bonita	11/21/1978 20:00	0.15
Bonita	11/21/1978 21:00	0.1
Bonita	11/21/1978 22:00	0.02
Bonita	11/22/1978 1:00	0.01
Bonita	11/22/1978 2:00	0.02
Bonita	11/22/1978 7:00	0.01
Bonita	11/23/1978 16:00	0.01
Bonita	11/23/1978 17:00	0.01
Bonita	11/23/1978 18:00	0.01
Bonita	11/23/1978 20:00	0.01
Bonita	11/23/1978 23:00	0.02
Bonita	11/24/1978 1:00	0.08
Bonita	11/24/1978 2:00	0.04
Bonita	11/24/1978 3:00	0.03
Bonita	11/24/1978 4:00	0.03
Bonita	11/24/1978 5:00	0.02
Bonita	11/24/1978 6:00	0.04
Bonita	11/24/1978 7:00	0.06
Bonita	11/24/1978 8:00	0.03
Bonita	11/24/1978 9:00	0.01
Bonita	11/24/1978 10:00	0.11
Bonita	11/24/1978 11:00	0.1
Bonita	11/24/1978 12:00	0.06

Bonita	11/24/1978	14:00	0.01
Bonita	11/24/1978	16:00	0.01
Bonita	11/24/1978	18:00	0.01
Bonita	11/24/1978	19:00	0.01
Bonita	12/1/1978	18:00	0.01
Bonita	12/1/1978	19:00	0.03
Bonita	12/1/1978	20:00	0.01
Bonita	12/2/1978	2:00	0.01
Bonita	12/2/1978	4:00	0.01
Bonita	12/5/1978	17:00	0.01
Bonita	12/5/1978	22:00	0.02
Bonita	12/5/1978	23:00	0.01
Bonita	12/16/1978	18:00	0.01
Bonita	12/16/1978	19:00	0.01
Bonita	12/16/1978	20:00	0.01
Bonita	12/16/1978	22:00	0.02
Bonita	12/17/1978	1:00	0.05
Bonita	12/17/1978	2:00	0.2
Bonita	12/17/1978	3:00	0.15
Bonita	12/17/1978	4:00	0.05
Bonita	12/17/1978	5:00	0.1
Bonita	12/17/1978	6:00	0.04
Bonita	12/17/1978	8:00	0.16
Bonita	12/17/1978	9:00	0.1
Bonita	12/17/1978	10:00	0.05
Bonita	12/17/1978	11:00	0.04
Bonita	12/17/1978	12:00	0.01
Bonita	12/17/1978	13:00	0.05
Bonita	12/17/1978	14:00	0.1
Bonita	12/17/1978	15:00	0.05
Bonita	12/17/1978	16:00	0.05
Bonita	12/17/1978	18:00	0.01
Bonita	12/17/1978	21:00	0.07
Bonita	12/17/1978	22:00	0.02
Bonita	12/18/1978	4:00	0.05
Bonita	12/18/1978	12:00	0.02
Bonita	12/18/1978	16:00	0.01
Bonita	12/18/1978	17:00	0.01
Bonita	12/18/1978	18:00	0.05
Bonita	12/18/1978	20:00	0.02
Bonita	12/18/1978	21:00	0.02
Bonita	12/18/1978	23:00	0.02
Bonita	12/19/1978	1:00	0.07
Bonita	12/19/1978	4:00	0.14
Bonita	12/19/1978	5:00	0.01
Bonita	12/19/1978	6:00	0.01
Bonita	12/19/1978	7:00	0.09
Bonita	12/19/1978	9:00	0.09
Bonita	12/19/1978	10:00	0.01
Bonita	12/19/1978	11:00	0.1

Bonita	12/19/1978	18:00	0.01
Bonita	12/19/1978	19:00	0.01
Bonita	12/19/1978	22:00	0.01
Bonita	12/20/1978	2:00	0.01
Bonita	12/20/1978	12:00	0.09
Bonita	1/5/1979	6:00	0.01
Bonita	1/5/1979	7:00	0.01
Bonita	1/5/1979	8:00	0.05
Bonita	1/5/1979	14:00	0.01
Bonita	1/5/1979	17:00	0.01
Bonita	1/5/1979	18:00	0.01
Bonita	1/5/1979	19:00	0.01
Bonita	1/5/1979	21:00	0.05
Bonita	1/5/1979	22:00	0.05
Bonita	1/6/1979	1:00	0.35
Bonita	1/6/1979	2:00	0.2
Bonita	1/6/1979	3:00	0.1
Bonita	1/6/1979	4:00	0.1
Bonita	1/6/1979	5:00	0.1
Bonita	1/6/1979	6:00	0.01
Bonita	1/6/1979	7:00	0.04
Bonita	1/6/1979	8:00	0.12
Bonita	1/6/1979	16:00	0.01
Bonita	1/6/1979	17:00	0.01
Bonita	1/9/1979	12:00	0.01
Bonita	1/9/1979	16:00	0.01
Bonita	1/9/1979	18:00	0.01
Bonita	1/15/1979	17:00	0.04
Bonita	1/15/1979	18:00	0.05
Bonita	1/15/1979	19:00	0.15
Bonita	1/15/1979	20:00	0.07
Bonita	1/15/1979	21:00	0.08
Bonita	1/15/1979	22:00	0.04
Bonita	1/15/1979	23:00	0.01
Bonita	1/15/1979	24:00	0.15
Bonita	1/16/1979	1:00	0.04
Bonita	1/16/1979	6:00	0.01
Bonita	1/17/1979	6:00	0.13
Bonita	1/17/1979	7:00	0.03
Bonita	1/17/1979	9:00	0.06
Bonita	1/17/1979	11:00	0.08
Bonita	1/17/1979	16:00	0.01
Bonita	1/17/1979	18:00	0.01
Bonita	1/17/1979	20:00	0.01
Bonita	1/18/1979	7:00	0.05
Bonita	1/18/1979	8:00	0.05
Bonita	1/18/1979	16:00	0.1
Bonita	1/18/1979	17:00	0.05
Bonita	1/18/1979	18:00	0.07
Bonita	1/18/1979	19:00	0.03

Bonita	1/24/1979	17:00	0.01
Bonita	1/24/1979	18:00	0.02
Bonita	1/24/1979	20:00	0.01
Bonita	1/24/1979	22:00	0.01
Bonita	1/25/1979	13:00	0.01
Bonita	1/25/1979	16:00	0.01
Bonita	1/25/1979	18:00	0.01
Bonita	1/25/1979	22:00	0.01
Bonita	1/26/1979	1:00	0.01
Bonita	1/26/1979	2:00	0.15
Bonita	1/26/1979	3:00	0.01
Bonita	1/26/1979	4:00	0.01
Bonita	1/26/1979	5:00	0.01
Bonita	1/26/1979	6:00	0.01
Bonita	1/26/1979	18:00	0.01
Bonita	1/26/1979	20:00	0.01
Bonita	1/26/1979	22:00	0.01
Bonita	1/28/1979	19:00	0.03
Bonita	1/28/1979	22:00	0.07
Bonita	1/28/1979	23:00	0.01
Bonita	1/29/1979	2:00	0.01
Bonita	1/29/1979	4:00	0.01
Bonita	1/29/1979	18:00	0.01
Bonita	1/29/1979	22:00	0.01
Bonita	1/30/1979	20:00	0.01
Bonita	1/30/1979	22:00	0.01
Bonita	1/30/1979	23:00	0.01
Bonita	1/31/1979	3:00	0.03
Bonita	1/31/1979	4:00	0.4
Bonita	1/31/1979	5:00	0.2
Bonita	1/31/1979	6:00	0.15
Bonita	1/31/1979	7:00	0.2
Bonita	1/31/1979	8:00	0.25
Bonita	1/31/1979	9:00	0.15
Bonita	1/31/1979	10:00	0.05
Bonita	1/31/1979	11:00	0.05
Bonita	1/31/1979	12:00	0.2
Bonita	1/31/1979	13:00	0.35
Bonita	1/31/1979	14:00	0.2
Bonita	1/31/1979	18:00	0.06
Bonita	1/31/1979	19:00	0.05
Bonita	1/31/1979	21:00	0.01
Bonita	1/31/1979	22:00	0.02
Bonita	1/31/1979	23:00	0.02
Bonita	2/1/1979	6:00	0.01
Bonita	2/1/1979	7:00	0.02
Bonita	2/1/1979	8:00	0.02
Bonita	2/1/1979	9:00	0.04
Bonita	2/1/1979	10:00	0.01
Bonita	2/1/1979	12:00	0.05

Bonita	2/1/1979	13:00	0.01
Bonita	2/1/1979	17:00	0.04
Bonita	2/1/1979	20:00	0.13
Bonita	2/1/1979	21:00	0.03
Bonita	2/1/1979	22:00	0.03
Bonita	2/2/1979	1:00	0.01
Bonita	2/2/1979	4:00	0.04
Bonita	2/2/1979	5:00	0.03
Bonita	2/2/1979	8:00	0.2
Bonita	2/2/1979	9:00	0.05
Bonita	2/2/1979	15:00	0.04
Bonita	2/2/1979	17:00	0.01
Bonita	2/2/1979	18:00	0.14
Bonita	2/2/1979	20:00	0.01
Bonita	2/3/1979	6:00	0.02
Bonita	2/3/1979	7:00	0.01
Bonita	2/14/1979	4:00	0.06
Bonita	2/14/1979	5:00	0.03
Bonita	2/14/1979	6:00	0.02
Bonita	2/14/1979	8:00	0.01
Bonita	2/21/1979	2:00	0.04
Bonita	2/21/1979	3:00	0.04
Bonita	2/21/1979	5:00	0.01
Bonita	2/21/1979	7:00	0.2
Bonita	2/21/1979	8:00	0.01
Bonita	2/21/1979	20:00	0.01
Bonita	2/21/1979	22:00	0.01
Bonita	2/21/1979	23:00	0.01
Bonita	2/22/1979	18:00	0.01
Bonita	2/22/1979	22:00	0.01
Bonita	2/22/1979	24:00	0.05
Bonita	2/23/1979	2:00	0.01
Bonita	2/23/1979	6:00	0.01
Bonita	2/23/1979	7:00	0.02
Bonita	2/23/1979	8:00	0.01
Bonita	3/1/1979	9:00	0.01
Bonita	3/1/1979	10:00	0.1
Bonita	3/1/1979	11:00	0.1
Bonita	3/1/1979	12:00	0.25
Bonita	3/1/1979	13:00	0.05
Bonita	3/1/1979	14:00	0.01
Bonita	3/1/1979	16:00	0.08
Bonita	3/1/1979	17:00	0.02
Bonita	3/1/1979	20:00	0.01
Bonita	3/1/1979	22:00	0.01
Bonita	3/13/1979	1:00	0.03
Bonita	3/13/1979	2:00	0.05
Bonita	3/13/1979	4:00	0.01
Bonita	3/13/1979	7:00	0.01
Bonita	3/13/1979	8:00	0.01

Bonita	3/15/1979	22:00	0.04
Bonita	3/15/1979	23:00	0.01
Bonita	3/16/1979	3:00	0.01
Bonita	3/16/1979	20:00	0.01
Bonita	3/16/1979	23:00	0.01
Bonita	3/17/1979	2:00	0.05
Bonita	3/17/1979	6:00	0.15
Bonita	3/17/1979	7:00	0.1
Bonita	3/17/1979	8:00	0.15
Bonita	3/17/1979	9:00	0.03
Bonita	3/17/1979	10:00	0.07
Bonita	3/17/1979	11:00	0.05
Bonita	3/17/1979	12:00	0.02
Bonita	3/18/1979	10:00	0.03
Bonita	3/18/1979	12:00	0.08
Bonita	3/18/1979	13:00	0.02
Bonita	3/18/1979	23:00	0.05
Bonita	3/19/1979	2:00	0.15
Bonita	3/19/1979	4:00	0.04
Bonita	3/19/1979	5:00	0.06
Bonita	3/19/1979	6:00	0.03
Bonita	3/19/1979	7:00	0.02
Bonita	3/20/1979	1:00	0.02
Bonita	3/20/1979	2:00	0.1
Bonita	3/20/1979	3:00	0.06
Bonita	3/20/1979	4:00	0.02
Bonita	3/20/1979	6:00	0.02
Bonita	3/20/1979	9:00	0.01
Bonita	3/20/1979	13:00	0.09
Bonita	3/21/1979	4:00	0.02
Bonita	3/21/1979	5:00	0.03
Bonita	3/21/1979	7:00	0.1
Bonita	3/21/1979	10:00	0.04
Bonita	3/21/1979	14:00	0.01
Bonita	3/27/1979	9:00	0.03
Bonita	3/27/1979	10:00	0.05
Bonita	3/27/1979	11:00	0.04
Bonita	3/27/1979	13:00	0.06
Bonita	3/27/1979	14:00	0.02
Bonita	3/27/1979	15:00	0.03
Bonita	3/27/1979	16:00	0.1
Bonita	3/27/1979	17:00	0.05
Bonita	3/27/1979	18:00	0.05
Bonita	3/27/1979	20:00	0.02
Bonita	3/27/1979	21:00	0.03
Bonita	3/27/1979	22:00	0.02
Bonita	3/27/1979	23:00	0.09
Bonita	3/28/1979	1:00	0.02
Bonita	3/28/1979	2:00	0.01
Bonita	3/28/1979	4:00	0.01

Bonita	3/28/1979	9:00	0.07
Bonita	3/28/1979	10:00	0.03
Bonita	3/28/1979	11:00	0.01
Bonita	3/28/1979	12:00	0.01
Bonita	3/29/1979	1:00	0.03
Bonita	3/29/1979	2:00	0.05
Bonita	3/29/1979	4:00	0.01
Bonita	3/29/1979	6:00	0.01
Bonita	4/9/1979	13:00	0.01
Bonita	4/9/1979	15:00	0.01
Bonita	5/20/1979	3:00	0.01
Bonita	5/20/1979	4:00	0.01
Bonita	5/20/1979	5:00	0.01
Bonita	5/20/1979	6:00	0.01
Bonita	5/20/1979	9:00	0.01
Bonita	7/19/1979	4:00	0.06
Bonita	7/19/1979	5:00	0.01
Bonita	7/25/1979	18:00	0.01
Bonita	7/25/1979	19:00	0.01
Bonita	7/25/1979	20:00	0.01
Bonita	8/19/1979	5:00	0.01
Bonita	8/19/1979	8:00	0.01
Bonita	10/19/1979	22:00	0.01
Bonita	10/19/1979	23:00	0.04
Bonita	10/20/1979	2:00	0.01
Bonita	10/20/1979	4:00	0.02
Bonita	10/20/1979	6:00	0.02
Bonita	10/20/1979	7:00	0.01
Bonita	10/20/1979	8:00	0.02
Bonita	10/20/1979	9:00	0.02
Bonita	10/20/1979	12:00	0.03
Bonita	10/20/1979	13:00	0.01
Bonita	10/20/1979	14:00	0.02
Bonita	10/20/1979	15:00	0.1
Bonita	10/20/1979	16:00	0.11
Bonita	10/20/1979	17:00	0.02
Bonita	11/3/1979	24:00	0.01
Bonita	11/4/1979	4:00	0.01
Bonita	11/4/1979	6:00	0.01
Bonita	11/7/1979	17:00	0.01
Bonita	11/7/1979	18:00	0.03
Bonita	11/7/1979	19:00	0.07
Bonita	11/7/1979	20:00	0.07
Bonita	11/17/1979	8:00	0.01
Bonita	11/17/1979	21:00	0.05
Bonita	11/17/1979	22:00	0.03
Bonita	12/26/1979	7:00	0.03
Bonita	12/26/1979	8:00	0.04
Bonita	12/26/1979	12:00	0.01
Bonita	12/26/1979	18:00	0.01

Bonita	12/26/1979	20:00	0.01
Bonita	1/7/1980	13:00	0.03
Bonita	1/7/1980	17:00	0.01
Bonita	1/8/1980	4:00	0.01
Bonita	1/8/1980	7:00	0.01
Bonita	1/8/1980	8:00	0.01
Bonita	1/8/1980	16:00	0.01
Bonita	1/8/1980	20:00	0.01
Bonita	1/9/1980	1:00	0.05
Bonita	1/9/1980	2:00	0.01
Bonita	1/9/1980	4:00	0.08
Bonita	1/9/1980	5:00	0.03
Bonita	1/9/1980	6:00	0.03
Bonita	1/9/1980	9:00	0.04
Bonita	1/9/1980	10:00	0.01
Bonita	1/9/1980	11:00	0.3
Bonita	1/9/1980	12:00	0.07
Bonita	1/9/1980	13:00	0.01
Bonita	1/9/1980	15:00	0.02
Bonita	1/9/1980	19:00	0.1
Bonita	1/9/1980	21:00	0.01
Bonita	1/9/1980	22:00	0.07
Bonita	1/10/1980	3:00	0.01
Bonita	1/10/1980	10:00	0.02
Bonita	1/10/1980	11:00	0.05
Bonita	1/10/1980	14:00	0.1
Bonita	1/10/1980	22:00	0.05
Bonita	1/10/1980	23:00	0.04
Bonita	1/11/1980	1:00	0.01
Bonita	1/11/1980	3:00	0.02
Bonita	1/11/1980	4:00	0.07
Bonita	1/11/1980	5:00	0.01
Bonita	1/11/1980	6:00	0.05
Bonita	1/11/1980	7:00	0.05
Bonita	1/11/1980	8:00	0.05
Bonita	1/11/1980	9:00	0.05
Bonita	1/11/1980	10:00	0.04
Bonita	1/11/1980	11:00	0.01
Bonita	1/11/1980	12:00	0.03
Bonita	1/11/1980	13:00	0.01
Bonita	1/11/1980	16:00	0.01
Bonita	1/11/1980	18:00	0.01
Bonita	1/11/1980	22:00	0.01
Bonita	1/12/1980	6:00	0.02
Bonita	1/12/1980	7:00	0.01
Bonita	1/12/1980	8:00	0.07
Bonita	1/12/1980	9:00	0.07
Bonita	1/12/1980	10:00	0.01
Bonita	1/12/1980	22:00	0.01
Bonita	1/12/1980	23:00	0.01

Bonita	1/13/1980	4:00	0.01
Bonita	1/13/1980	5:00	0.01
Bonita	1/13/1980	6:00	0.01
Bonita	1/13/1980	14:00	0.01
Bonita	1/13/1980	17:00	0.01
Bonita	1/13/1980	22:00	0.02
Bonita	1/13/1980	23:00	0.02
Bonita	1/18/1980	1:00	0.02
Bonita	1/18/1980	5:00	0.01
Bonita	1/18/1980	6:00	0.01
Bonita	1/18/1980	8:00	0.01
Bonita	1/18/1980	16:00	0.07
Bonita	1/18/1980	17:00	0.01
Bonita	1/18/1980	18:00	0.02
Bonita	1/18/1980	21:00	0.01
Bonita	1/18/1980	23:00	0.05
Bonita	1/19/1980	2:00	0.02
Bonita	1/19/1980	3:00	0.02
Bonita	1/27/1980	24:00	0.05
Bonita	1/28/1980	1:00	0.03
Bonita	1/28/1980	2:00	0.01
Bonita	1/28/1980	8:00	0.01
Bonita	1/28/1980	9:00	0.04
Bonita	1/28/1980	10:00	0.02
Bonita	1/28/1980	11:00	0.03
Bonita	1/28/1980	12:00	0.01
Bonita	1/28/1980	13:00	0.01
Bonita	1/28/1980	14:00	0.01
Bonita	1/28/1980	18:00	0.01
Bonita	1/28/1980	20:00	0.01
Bonita	1/28/1980	21:00	0.01
Bonita	1/28/1980	22:00	0.06
Bonita	1/28/1980	23:00	0.04
Bonita	1/28/1980	24:00	0.03
Bonita	1/29/1980	1:00	0.07
Bonita	1/29/1980	2:00	0.15
Bonita	1/29/1980	3:00	0.05
Bonita	1/29/1980	4:00	0.05
Bonita	1/29/1980	5:00	0.05
Bonita	1/29/1980	7:00	0.03
Bonita	1/29/1980	8:00	0.01
Bonita	1/29/1980	10:00	0.03
Bonita	1/29/1980	11:00	0.18
Bonita	1/29/1980	12:00	0.12
Bonita	1/29/1980	13:00	0.02
Bonita	1/29/1980	14:00	0.02
Bonita	1/29/1980	17:00	0.23
Bonita	1/29/1980	18:00	0.15
Bonita	1/29/1980	19:00	0.2
Bonita	1/29/1980	20:00	0.3

Bonita	1/29/1980	21:00	0.1
Bonita	1/29/1980	22:00	0.06
Bonita	1/29/1980	23:00	0.03
Bonita	1/30/1980	1:00	0.12
Bonita	1/30/1980	4:00	0.03
Bonita	1/30/1980	5:00	0.01
Bonita	1/30/1980	11:00	0.17
Bonita	1/30/1980	12:00	0.01
Bonita	1/30/1980	13:00	0.02
Bonita	1/30/1980	15:00	0.01
Bonita	1/30/1980	16:00	0.01
Bonita	1/30/1980	18:00	0.01
Bonita	2/13/1980	6:00	0.02
Bonita	2/13/1980	9:00	0.02
Bonita	2/13/1980	11:00	0.03
Bonita	2/13/1980	13:00	0.07
Bonita	2/13/1980	14:00	0.05
Bonita	2/13/1980	24:00	0.1
Bonita	2/14/1980	1:00	0.07
Bonita	2/14/1980	3:00	0.08
Bonita	2/14/1980	4:00	0.08
Bonita	2/14/1980	6:00	0.04
Bonita	2/14/1980	15:00	0.03
Bonita	2/14/1980	20:00	0.01
Bonita	2/15/1980	6:00	0.03
Bonita	2/15/1980	7:00	0.02
Bonita	2/15/1980	14:00	0.02
Bonita	2/15/1980	20:00	0.02
Bonita	2/16/1980	8:00	0.02
Bonita	2/16/1980	10:00	0.01
Bonita	2/16/1980	11:00	0.02
Bonita	2/16/1980	12:00	0.03
Bonita	2/16/1980	14:00	0.01
Bonita	2/16/1980	16:00	0.02
Bonita	2/16/1980	17:00	0.02
Bonita	2/16/1980	18:00	0.09
Bonita	2/16/1980	19:00	0.08
Bonita	2/16/1980	20:00	0.05
Bonita	2/16/1980	22:00	0.04
Bonita	2/19/1980	2:00	0.1
Bonita	2/19/1980	12:00	0.1
Bonita	2/19/1980	13:00	0.1
Bonita	2/19/1980	14:00	0.1
Bonita	2/19/1980	16:00	0.2
Bonita	2/19/1980	23:00	0.3
Bonita	2/20/1980	16:00	0.02
Bonita	2/20/1980	17:00	0.2
Bonita	2/20/1980	18:00	0.25
Bonita	2/20/1980	19:00	0.1
Bonita	2/20/1980	21:00	0.01

Bonita	2/21/1980	1:00	0.04
Bonita	2/21/1980	5:00	0.01
Bonita	2/21/1980	11:00	0.05
Bonita	2/21/1980	18:00	0.01
Bonita	2/22/1980	2:00	0.04
Bonita	2/22/1980	4:00	0.01
Bonita	3/2/1980	20:00	0.03
Bonita	3/2/1980	22:00	0.03
Bonita	3/2/1980	23:00	0.12
Bonita	3/2/1980	24:00	0.03
Bonita	3/3/1980	1:00	0.04
Bonita	3/3/1980	2:00	0.02
Bonita	3/3/1980	4:00	0.04
Bonita	3/3/1980	6:00	0.01
Bonita	3/3/1980	10:00	0.04
Bonita	3/3/1980	11:00	0.01
Bonita	3/3/1980	16:00	0.01
Bonita	3/3/1980	22:00	0.01
Bonita	3/6/1980	2:00	0.1
Bonita	3/6/1980	3:00	0.25
Bonita	3/6/1980	4:00	0.25
Bonita	3/6/1980	5:00	0.25
Bonita	3/6/1980	6:00	0.2
Bonita	3/6/1980	7:00	0.2
Bonita	3/6/1980	9:00	0.01
Bonita	3/6/1980	10:00	0.07
Bonita	3/6/1980	11:00	0.02
Bonita	3/6/1980	13:00	0.05
Bonita	3/6/1980	14:00	0.02
Bonita	3/6/1980	18:00	0.01
Bonita	3/6/1980	19:00	0.03
Bonita	3/10/1980	13:00	0.2
Bonita	3/10/1980	14:00	0.35
Bonita	3/10/1980	15:00	0.2
Bonita	3/10/1980	16:00	0.07
Bonita	3/10/1980	17:00	0.01
Bonita	3/10/1980	18:00	0.03
Bonita	3/10/1980	19:00	0.02
Bonita	3/10/1980	20:00	0.02
Bonita	3/10/1980	21:00	0.06
Bonita	3/11/1980	6:00	0.01
Bonita	3/11/1980	7:00	0.01
Bonita	3/11/1980	10:00	0.03
Bonita	3/11/1980	11:00	0.01
Bonita	3/11/1980	18:00	0.01
Bonita	3/18/1980	14:00	0.02
Bonita	3/18/1980	18:00	0.01
Bonita	3/18/1980	22:00	0.02
Bonita	3/18/1980	23:00	0.04
Bonita	3/18/1980	24:00	0.04

Bonita	3/19/1980	6:00	0.01
Bonita	3/21/1980	19:00	0.08
Bonita	3/21/1980	20:00	0.04
Bonita	3/21/1980	21:00	0.07
Bonita	3/21/1980	24:00	0.05
Bonita	3/22/1980	1:00	0.01
Bonita	3/22/1980	6:00	0.01
Bonita	3/25/1980	22:00	0.1
Bonita	3/25/1980	23:00	0.25
Bonita	3/25/1980	24:00	0.05
Bonita	3/26/1980	2:00	0.01
Bonita	3/26/1980	6:00	0.01
Bonita	4/1/1980	9:00	0.02
Bonita	4/1/1980	11:00	0.1
Bonita	4/1/1980	12:00	0.06
Bonita	4/1/1980	19:00	0.01
Bonita	4/1/1980	20:00	0.01
Bonita	4/1/1980	21:00	0.01
Bonita	4/1/1980	23:00	0.02
Bonita	4/2/1980	1:00	0.01
Bonita	4/6/1980	2:00	0.02
Bonita	4/6/1980	5:00	0.01
Bonita	4/21/1980	4:00	0.03
Bonita	4/21/1980	6:00	0.01
Bonita	4/22/1980	15:00	0.01
Bonita	4/22/1980	16:00	0.02
Bonita	4/22/1980	17:00	0.02
Bonita	4/22/1980	18:00	0.01
Bonita	4/22/1980	19:00	0.01
Bonita	4/22/1980	23:00	0.04
Bonita	4/23/1980	4:00	0.16
Bonita	4/23/1980	5:00	0.1
Bonita	4/23/1980	8:00	0.01
Bonita	4/28/1980	14:00	0.05
Bonita	4/28/1980	16:00	0.01
Bonita	4/28/1980	17:00	0.05
Bonita	4/28/1980	18:00	0.04
Bonita	4/28/1980	19:00	0.1
Bonita	4/28/1980	22:00	0.1
Bonita	4/28/1980	23:00	0.24
Bonita	4/29/1980	2:00	0.03
Bonita	4/29/1980	4:00	0.01
Bonita	4/29/1980	8:00	0.04
Bonita	4/29/1980	9:00	0.01
Bonita	4/29/1980	11:00	0.01
Bonita	5/1/1980	17:00	0.02
Bonita	5/1/1980	18:00	0.02
Bonita	5/1/1980	19:00	0.05
Bonita	5/1/1980	20:00	0.01
Bonita	5/1/1980	21:00	0.1

Bonita	5/1/1980	22:00	0.02
Bonita	5/1/1980	23:00	0.08
Bonita	5/2/1980	1:00	0.04
Bonita	5/2/1980	2:00	0.01
Bonita	5/2/1980	4:00	0.01
Bonita	5/2/1980	6:00	0.01
Bonita	5/2/1980	9:00	0.01
Bonita	5/2/1980	10:00	0.01
Bonita	5/2/1980	19:00	0.03
Bonita	5/2/1980	20:00	0.01
Bonita	5/7/1980	24:00	0.01
Bonita	5/8/1980	1:00	0.01
Bonita	5/10/1980	12:00	0.01
Bonita	5/10/1980	13:00	0.02
Bonita	5/10/1980	14:00	0.03
Bonita	5/11/1980	6:00	0.02
Bonita	5/20/1980	5:00	0.01
Bonita	10/15/1980	9:00	0.01
Bonita	10/15/1980	10:00	0.02
Bonita	10/15/1980	11:00	0.01
Bonita	10/16/1980	5:00	0.01
Bonita	10/16/1980	19:00	0.01
Bonita	10/26/1980	4:00	0.01
Bonita	10/26/1980	5:00	0.03
Bonita	10/26/1980	6:00	0.01
Bonita	10/26/1980	7:00	0.05
Bonita	10/26/1980	18:00	0.01
Bonita	12/4/1980	11:00	0.01
Bonita	12/4/1980	12:00	0.2
Bonita	12/4/1980	13:00	0.06
Bonita	12/4/1980	14:00	0.03
Bonita	12/4/1980	15:00	0.11
Bonita	12/4/1980	16:00	0.1
Bonita	12/4/1980	18:00	0.03
Bonita	12/4/1980	19:00	0.01
Bonita	12/4/1980	23:00	0.01
Bonita	12/5/1980	3:00	0.01
Bonita	12/5/1980	4:00	0.07
Bonita	1/11/1981	2:00	0.05
Bonita	1/11/1981	3:00	0.01
Bonita	1/11/1981	4:00	0.02
Bonita	1/11/1981	8:00	0.01
Bonita	1/11/1981	10:00	0.01
Bonita	1/11/1981	11:00	0.04
Bonita	1/11/1981	18:00	0.01
Bonita	1/11/1981	19:00	0.02
Bonita	1/11/1981	20:00	0.04
Bonita	1/12/1981	2:00	0.01
Bonita	1/12/1981	4:00	0.03
Bonita	1/12/1981	5:00	0.02

Bonita	1/12/1981	6:00	0.02
Bonita	1/12/1981	14:00	0.01
Bonita	1/12/1981	15:00	0.01
Bonita	1/12/1981	18:00	0.01
Bonita	1/12/1981	19:00	0.01
Bonita	1/12/1981	22:00	0.01
Bonita	1/28/1981	7:00	0.15
Bonita	1/28/1981	8:00	0.15
Bonita	1/28/1981	9:00	0.05
Bonita	1/28/1981	17:00	0.02
Bonita	1/28/1981	20:00	0.01
Bonita	1/29/1981	18:00	0.18
Bonita	1/29/1981	19:00	0.07
Bonita	1/29/1981	20:00	0.05
Bonita	1/29/1981	23:00	0.01
Bonita	1/30/1981	1:00	0.04
Bonita	1/30/1981	10:00	0.02
Bonita	1/30/1981	23:00	0.05
Bonita	1/31/1981	1:00	0.01
Bonita	1/31/1981	4:00	0.01
Bonita	1/31/1981	7:00	0.01
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Bonita	2/8/1981	16:00	0.02
Bonita	2/8/1981	18:00	0.04
Bonita	2/8/1981	19:00	0.01
Bonita	2/8/1981	21:00	0.05
Bonita	2/8/1981	22:00	0.15
Bonita	2/8/1981	23:00	0.1
Bonita	2/8/1981	24:00	0.01
Bonita	2/9/1981	1:00	0.04
Bonita	2/9/1981	2:00	0.05
Bonita	2/9/1981	3:00	0.02
Bonita	2/9/1981	4:00	0.02
Bonita	2/9/1981	5:00	0.01
Bonita	2/9/1981	6:00	0.05
Bonita	2/10/1981	4:00	0.03
Bonita	2/10/1981	7:00	0.01
Bonita	2/25/1981	8:00	0.01
Bonita	2/25/1981	18:00	0.01
Bonita	2/25/1981	21:00	0.3
Bonita	2/25/1981	22:00	0.05
Bonita	2/25/1981	24:00	0.04
Bonita	2/26/1981	1:00	0.01
Bonita	2/28/1981	10:00	0.01
Bonita	2/28/1981	13:00	0.01
Bonita	2/28/1981	14:00	0.08
Bonita	2/28/1981	16:00	0.02
Bonita	2/28/1981	17:00	0.01
Bonita	2/28/1981	18:00	0.04
Bonita	3/1/1981	2:00	0.05

Bonita	3/1/1981	4:00	0.25
Bonita	3/1/1981	5:00	0.15
Bonita	3/1/1981	6:00	0.15
Bonita	3/1/1981	9:00	0.09
Bonita	3/1/1981	11:00	0.01
Bonita	3/1/1981	12:00	0.35
Bonita	3/1/1981	13:00	0.1
Bonita	3/1/1981	16:00	0.07
Bonita	3/1/1981	17:00	0.01
Bonita	3/1/1981	22:00	0.08
Bonita	3/1/1981	23:00	0.01
Bonita	3/2/1981	4:00	0.03
Bonita	3/2/1981	5:00	0.02
Bonita	3/2/1981	6:00	0.01
Bonita	3/2/1981	10:00	0.01
Bonita	3/4/1981	1:00	0.01
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Bonita	3/5/1981	7:00	0.25
Bonita	3/5/1981	8:00	0.14
Bonita	3/5/1981	10:00	0.05
Bonita	3/5/1981	11:00	0.01
Bonita	3/5/1981	13:00	0.04
Bonita	3/5/1981	17:00	0.05
Bonita	3/5/1981	19:00	0.06
Bonita	3/5/1981	23:00	0.01
Bonita	3/6/1981	1:00	0.02
Bonita	3/6/1981	2:00	0.04
Bonita	3/6/1981	3:00	0.01
Bonita	3/6/1981	4:00	0.01
Bonita	3/13/1981	20:00	0.07
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Bonita	3/13/1981	22:00	0.01
Bonita	3/13/1981	24:00	0.08
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Bonita	3/19/1981	20:00	0.05
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Bonita	3/19/1981	22:00	0.25
Bonita	3/19/1981	23:00	0.01
Bonita	3/20/1981	4:00	0.03
Bonita	3/20/1981	5:00	0.01
Bonita	3/26/1981	11:00	0.04
Bonita	3/26/1981	12:00	0.01
Bonita	3/26/1981	23:00	0.05
Bonita	3/27/1981	2:00	0.01
Bonita	3/27/1981	5:00	0.1
Bonita	3/27/1981	6:00	0.3
Bonita	3/27/1981	7:00	0.1

Bonita	3/27/1981	10:00	0.02
Bonita	3/27/1981	16:00	0.04
Bonita	3/27/1981	17:00	0.01
Bonita	3/27/1981	18:00	0.06
Bonita	3/28/1981	1:00	0.01
Bonita	3/28/1981	2:00	0.01
Bonita	4/18/1981	10:00	0.04
Bonita	4/18/1981	11:00	0.01
Bonita	4/18/1981	17:00	0.03
Bonita	4/18/1981	18:00	0.01
Bonita	4/18/1981	21:00	0.03
Bonita	4/18/1981	23:00	0.01
Bonita	4/19/1981	5:00	0.01
Bonita	4/19/1981	6:00	0.06
Bonita	4/19/1981	8:00	0.01
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Bonita	5/16/1981	8:00	0.01
Bonita	5/19/1981	10:00	0.01
Bonita	5/27/1981	1:00	0.01
Bonita	5/27/1981	2:00	0.01
Bonita	5/27/1981	6:00	0.01
Bonita	5/27/1981	7:00	0.02
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Bonita	10/11/1981	9:00	0.05
Bonita	10/11/1981	10:00	0.01
Bonita	10/11/1981	23:00	0.01
Bonita	10/28/1981	20:00	0.01
Bonita	10/28/1981	23:00	0.07
Bonita	10/28/1981	24:00	0.03
Bonita	10/29/1981	1:00	0.01
Bonita	11/26/1981	12:00	0.01
Bonita	11/26/1981	18:00	0.04
Bonita	11/26/1981	20:00	0.01
Bonita	11/26/1981	22:00	0.01
Bonita	11/26/1981	23:00	0.05
Bonita	11/27/1981	1:00	0.25
Bonita	11/27/1981	2:00	0.05
Bonita	11/28/1981	6:00	0.02
Bonita	11/28/1981	7:00	0.12
Bonita	11/28/1981	8:00	0.08
Bonita	11/28/1981	9:00	0.07

Bonita	11/28/1981	14:00	0.01
Bonita	11/28/1981	20:00	0.05
Bonita	11/28/1981	23:00	0.05
Bonita	11/29/1981	1:00	0.15
Bonita	11/29/1981	2:00	0.1
Bonita	11/29/1981	6:00	0.02
Bonita	11/29/1981	10:00	0.01
Bonita	12/21/1981	2:00	0.02
Bonita	12/21/1981	3:00	0.01
Bonita	12/21/1981	4:00	0.02
Bonita	12/21/1981	8:00	0.01
Bonita	12/23/1981	16:00	0.01
Bonita	12/23/1981	18:00	0.01
Bonita	12/30/1981	8:00	0.01
Bonita	12/30/1981	9:00	0.05
Bonita	12/30/1981	10:00	0.05
Bonita	12/30/1981	11:00	0.15
Bonita	12/30/1981	12:00	0.05
Bonita	12/30/1981	13:00	0.03
Bonita	12/30/1981	14:00	0.02
Bonita	12/30/1981	15:00	0.05
Bonita	12/30/1981	18:00	0.07
Bonita	12/30/1981	19:00	0.01
Bonita	12/31/1981	1:00	0.02
Bonita	12/31/1981	2:00	0.02
Bonita	12/31/1981	3:00	0.03
Bonita	12/31/1981	4:00	0.06
Bonita	12/31/1981	8:00	0.01
Bonita	1/1/1982	3:00	0.02
Bonita	1/1/1982	6:00	0.01
Bonita	1/1/1982	7:00	0.01
Bonita	1/1/1982	9:00	0.07
Bonita	1/1/1982	10:00	0.03
Bonita	1/1/1982	11:00	0.25
Bonita	1/1/1982	12:00	0.1
Bonita	1/1/1982	13:00	0.05
Bonita	1/1/1982	14:00	0.01
Bonita	1/2/1982	8:00	0.05
Bonita	1/2/1982	9:00	0.04
Bonita	1/2/1982	10:00	0.07
Bonita	1/2/1982	11:00	0.05
Bonita	1/2/1982	12:00	0.01
Bonita	1/2/1982	13:00	0.03
Bonita	1/5/1982	4:00	0.01
Bonita	1/5/1982	7:00	0.01
Bonita	1/5/1982	8:00	0.03
Bonita	1/5/1982	9:00	0.01
Bonita	1/10/1982	17:00	0.04
Bonita	1/10/1982	18:00	0.09
Bonita	1/10/1982	19:00	0.01

Bonita	1/10/1982	20:00	0.01
Bonita	1/10/1982	22:00	0.03
Bonita	1/10/1982	23:00	0.15
Bonita	1/20/1982	5:00	0.02
Bonita	1/20/1982	6:00	0.01
Bonita	1/20/1982	8:00	0.01
Bonita	1/20/1982	12:00	0.05
Bonita	1/20/1982	13:00	0.04
Bonita	1/20/1982	14:00	0.01
Bonita	1/20/1982	16:00	0.02
Bonita	1/20/1982	17:00	0.27
Bonita	1/20/1982	21:00	0.05
Bonita	1/20/1982	22:00	0.07
Bonita	1/20/1982	24:00	0.3
Bonita	1/21/1982	1:00	0.05
Bonita	1/21/1982	2:00	0.1
Bonita	1/21/1982	3:00	0.05
Bonita	1/21/1982	4:00	0.03
Bonita	1/21/1982	5:00	0.02
Bonita	1/21/1982	6:00	0.05
Bonita	1/21/1982	7:00	0.08
Bonita	1/21/1982	8:00	0.01
Bonita	1/21/1982	10:00	0.01
Bonita	1/21/1982	14:00	0.03
Bonita	1/28/1982	18:00	0.38
Bonita	1/28/1982	19:00	0.04
Bonita	1/28/1982	23:00	0.05
Bonita	1/29/1982	2:00	0.13
Bonita	1/29/1982	4:00	0.01
Bonita	2/9/1982	17:00	0.05
Bonita	2/9/1982	18:00	0.1
Bonita	2/9/1982	19:00	0.05
Bonita	2/9/1982	20:00	0.03
Bonita	2/9/1982	21:00	0.01
Bonita	2/10/1982	4:00	0.01
Bonita	2/10/1982	7:00	0.05
Bonita	2/10/1982	9:00	0.01
Bonita	2/10/1982	11:00	0.01
Bonita	2/10/1982	15:00	0.09
Bonita	2/10/1982	16:00	0.01
Bonita	2/10/1982	17:00	0.04
Bonita	2/10/1982	18:00	0.07
Bonita	2/10/1982	19:00	0.03
Bonita	2/10/1982	23:00	0.02
Bonita	2/11/1982	1:00	0.03
Bonita	2/11/1982	2:00	0.01
Bonita	3/2/1982	15:00	0.06
Bonita	3/2/1982	16:00	0.04
Bonita	3/11/1982	7:00	0.02
Bonita	3/11/1982	8:00	0.04

Bonita	3/11/1982	9:00	0.04
Bonita	3/11/1982	15:00	0.01
Bonita	3/12/1982	1:00	0.08
Bonita	3/12/1982	2:00	0.01
Bonita	3/12/1982	3:00	0.01
Bonita	3/12/1982	17:00	0.03
Bonita	3/14/1982	2:00	0.01
Bonita	3/14/1982	3:00	0.02
Bonita	3/14/1982	4:00	0.02
Bonita	3/14/1982	9:00	0.05
Bonita	3/14/1982	12:00	0.01
Bonita	3/14/1982	14:00	0.15
Bonita	3/14/1982	15:00	0.15
Bonita	3/14/1982	16:00	0.1
Bonita	3/14/1982	17:00	0.17
Bonita	3/14/1982	18:00	0.02
Bonita	3/14/1982	19:00	0.01
Bonita	3/14/1982	20:00	0.05
Bonita	3/15/1982	1:00	0.05
Bonita	3/15/1982	2:00	0.05
Bonita	3/15/1982	3:00	0.11
Bonita	3/15/1982	8:00	0.01
Bonita	3/16/1982	6:00	0.01
Bonita	3/16/1982	7:00	0.01
Bonita	3/16/1982	18:00	0.01
Bonita	3/16/1982	19:00	0.02
Bonita	3/16/1982	20:00	0.01
Bonita	3/16/1982	21:00	0.01
Bonita	3/16/1982	23:00	0.05
Bonita	3/16/1982	24:00	0.05
Bonita	3/17/1982	1:00	0.2
Bonita	3/17/1982	2:00	0.02
Bonita	3/17/1982	3:00	0.02
Bonita	3/17/1982	4:00	0.01
Bonita	3/17/1982	6:00	0.03
Bonita	3/17/1982	7:00	0.03
Bonita	3/17/1982	8:00	0.04
Bonita	3/17/1982	9:00	0.05
Bonita	3/17/1982	10:00	0.02
Bonita	3/17/1982	13:00	0.01
Bonita	3/17/1982	14:00	0.01
Bonita	3/17/1982	16:00	0.01
Bonita	3/17/1982	17:00	0.01
Bonita	3/17/1982	18:00	0.2
Bonita	3/17/1982	19:00	0.25
Bonita	3/17/1982	20:00	0.15
Bonita	3/17/1982	21:00	0.15
Bonita	3/17/1982	22:00	0.15
Bonita	3/17/1982	23:00	0.13
Bonita	3/18/1982	1:00	0.15

Bonita	3/18/1982	2:00	0.05
Bonita	3/18/1982	3:00	0.18
Bonita	3/18/1982	6:00	0.04
Bonita	3/18/1982	7:00	0.01
Bonita	3/18/1982	10:00	0.01
Bonita	3/18/1982	21:00	0.02
Bonita	3/19/1982	2:00	0.01
Bonita	3/25/1982	17:00	0.01
Bonita	3/25/1982	20:00	0.02
Bonita	3/25/1982	21:00	0.04
Bonita	3/25/1982	22:00	0.03
Bonita	3/25/1982	23:00	0.02
Bonita	3/25/1982	24:00	0.06
Bonita	3/26/1982	1:00	0.03
Bonita	3/26/1982	2:00	0.01
Bonita	3/26/1982	4:00	0.01
Bonita	3/26/1982	5:00	0.04
Bonita	3/26/1982	6:00	0.01
Bonita	3/26/1982	7:00	0.01
Bonita	3/26/1982	9:00	0.01
Bonita	3/28/1982	23:00	0.02
Bonita	3/28/1982	24:00	0.03
Bonita	3/29/1982	3:00	0.01
Bonita	3/29/1982	5:00	0.04
Bonita	3/29/1982	6:00	0.03
Bonita	3/29/1982	7:00	0.01
Bonita	3/29/1982	18:00	0.01
Bonita	3/29/1982	22:00	0.02
Bonita	3/29/1982	23:00	0.01
Bonita	3/30/1982	2:00	0.14
Bonita	3/30/1982	3:00	0.01
Bonita	4/1/1982	7:00	0.01
Bonita	4/1/1982	8:00	0.02
Bonita	4/1/1982	9:00	0.02
Bonita	4/1/1982	10:00	0.05
Bonita	4/1/1982	11:00	0.05
Bonita	4/1/1982	12:00	0.45
Bonita	4/1/1982	13:00	0.1
Bonita	4/1/1982	14:00	0.01
Bonita	4/1/1982	18:00	0.08
Bonita	4/1/1982	21:00	0.01
Bonita	9/8/1982	13:00	0.02
Bonita	9/16/1982	1:00	0.01
Bonita	9/16/1982	11:00	0.04
Bonita	9/16/1982	12:00	0.02
Bonita	9/16/1982	13:00	0.04
Bonita	9/17/1982	5:00	0.04
Bonita	9/17/1982	8:00	0.01
Bonita	9/17/1982	18:00	0.01
Bonita	9/26/1982	4:00	0.02

Bonita	9/26/1982	5:00	0.03
Bonita	9/26/1982	6:00	0.01
Bonita	9/26/1982	9:00	0.01
Bonita	9/26/1982	10:00	0.01
Bonita	9/26/1982	11:00	0.02
Bonita	9/26/1982	12:00	0.02
Bonita	9/26/1982	13:00	0.04
Bonita	9/26/1982	14:00	0.02
Bonita	9/26/1982	16:00	0.01
Bonita	9/26/1982	18:00	0.05
Bonita	10/25/1982	16:00	0.01
Bonita	10/25/1982	17:00	0.02
Bonita	10/25/1982	18:00	0.02
Bonita	10/25/1982	20:00	0.01
Bonita	10/26/1982	14:00	0.04
Bonita	10/26/1982	18:00	0.03
Bonita	10/26/1982	19:00	0.01
Bonita	11/9/1982	7:00	0.02
Bonita	11/9/1982	8:00	0.02
Bonita	11/9/1982	10:00	0.01
Bonita	11/9/1982	13:00	0.05
Bonita	11/9/1982	15:00	0.05
Bonita	11/9/1982	16:00	0.04
Bonita	11/9/1982	17:00	0.06
Bonita	11/9/1982	18:00	0.07
Bonita	11/9/1982	19:00	0.05
Bonita	11/9/1982	20:00	0.02
Bonita	11/9/1982	21:00	0.03
Bonita	11/9/1982	22:00	0.05
Bonita	11/10/1982	2:00	0.15
Bonita	11/10/1982	3:00	0.03
Bonita	11/10/1982	4:00	0.09
Bonita	11/10/1982	7:00	0.03
Bonita	11/10/1982	8:00	0.03
Bonita	11/10/1982	9:00	0.12
Bonita	11/10/1982	10:00	0.3
Bonita	11/10/1982	11:00	0.05
Bonita	11/10/1982	13:00	0.05
Bonita	11/10/1982	19:00	0.05
Bonita	11/10/1982	20:00	0.02
Bonita	11/19/1982	2:00	0.01
Bonita	11/19/1982	4:00	0.02
Bonita	11/19/1982	7:00	0.06
Bonita	11/19/1982	8:00	0.04
Bonita	11/19/1982	9:00	0.11
Bonita	11/19/1982	10:00	0.01
Bonita	11/19/1982	17:00	0.01
Bonita	11/19/1982	18:00	0.01
Bonita	11/28/1982	18:00	0.01
Bonita	11/28/1982	19:00	0.02

Bonita	11/28/1982 21:00	0.02
Bonita	11/29/1982 1:00	0.13
Bonita	11/29/1982 2:00	0.01
Bonita	11/29/1982 4:00	0.01
Bonita	11/29/1982 13:00	0.01
Bonita	11/29/1982 14:00	0.04
Bonita	11/29/1982 15:00	0.01
Bonita	11/29/1982 17:00	0.1
Bonita	11/29/1982 18:00	0.01
Bonita	11/29/1982 23:00	0.02
Bonita	11/30/1982 3:00	0.02
Bonita	11/30/1982 10:00	0.06
Bonita	11/30/1982 11:00	0.09
Bonita	11/30/1982 12:00	0.12
Bonita	11/30/1982 13:00	0.05
Bonita	11/30/1982 14:00	0.01
Bonita	11/30/1982 17:00	0.02
Bonita	11/30/1982 20:00	0.04
Bonita	11/30/1982 22:00	0.01
Bonita	11/30/1982 23:00	0.05
Bonita	12/1/1982 16:00	0.02
Bonita	12/7/1982 21:00	0.04
Bonita	12/7/1982 22:00	0.01
Bonita	12/8/1982 10:00	0.05
Bonita	12/8/1982 11:00	0.05
Bonita	12/8/1982 12:00	0.08
Bonita	12/8/1982 13:00	0.01
Bonita	12/9/1982 3:00	0.01
Bonita	12/9/1982 6:00	0.05
Bonita	12/9/1982 7:00	0.1
Bonita	12/9/1982 8:00	0.06
Bonita	12/9/1982 9:00	0.02
Bonita	12/9/1982 10:00	0.01
Bonita	12/9/1982 15:00	0.02
Bonita	12/9/1982 16:00	0.05
Bonita	12/9/1982 17:00	0.04
Bonita	12/9/1982 18:00	0.09
Bonita	12/9/1982 19:00	0.02
Bonita	12/9/1982 21:00	0.05
Bonita	12/9/1982 22:00	0.03
Bonita	12/9/1982 23:00	0.01
Bonita	12/22/1982 15:00	0.01
Bonita	12/22/1982 16:00	0.01
Bonita	12/22/1982 20:00	0.01
Bonita	12/22/1982 21:00	0.02
Bonita	12/22/1982 22:00	0.01
Bonita	12/22/1982 24:00	0.2
Bonita	12/23/1982 1:00	0.02
Bonita	12/29/1982 19:00	0.04
Bonita	12/29/1982 20:00	0.01

Bonita	12/29/1982	21:00	0.1
Bonita	12/29/1982	22:00	0.08
Bonita	1/17/1983	4:00	0.06
Bonita	1/17/1983	5:00	0.01
Bonita	1/17/1983	8:00	0.01
Bonita	1/19/1983	5:00	0.05
Bonita	1/19/1983	6:00	0.05
Bonita	1/19/1983	7:00	0.01
Bonita	1/19/1983	8:00	0.07
Bonita	1/19/1983	10:00	0.02
Bonita	1/22/1983	22:00	0.02
Bonita	1/23/1983	1:00	0.05
Bonita	1/23/1983	2:00	0.01
Bonita	1/23/1983	4:00	0.01
Bonita	1/23/1983	6:00	0.01
Bonita	1/24/1983	18:00	0.05
Bonita	1/24/1983	19:00	0.01
Bonita	1/24/1983	20:00	0.03
Bonita	1/24/1983	22:00	0.01
Bonita	1/25/1983	2:00	0.01
Bonita	1/25/1983	8:00	0.01
Bonita	1/27/1983	7:00	0.19
Bonita	1/27/1983	8:00	0.21
Bonita	1/27/1983	9:00	0.05
Bonita	1/27/1983	10:00	0.02
Bonita	1/27/1983	12:00	0.08
Bonita	1/27/1983	13:00	0.05
Bonita	1/28/1983	16:00	0.01
Bonita	1/28/1983	20:00	0.01
Bonita	1/28/1983	23:00	0.05
Bonita	1/29/1983	1:00	0.3
Bonita	1/29/1983	2:00	0.07
Bonita	1/29/1983	4:00	0.12
Bonita	1/29/1983	6:00	0.01
Bonita	2/2/1983	7:00	0.03
Bonita	2/2/1983	8:00	0.03
Bonita	2/2/1983	9:00	0.07
Bonita	2/2/1983	13:00	0.15
Bonita	2/2/1983	14:00	0.15
Bonita	2/2/1983	15:00	0.25
Bonita	2/2/1983	16:00	0.15
Bonita	2/2/1983	17:00	0.02
Bonita	2/2/1983	20:00	0.05
Bonita	2/3/1983	10:00	0.01
Bonita	2/3/1983	12:00	0.03
Bonita	2/4/1983	1:00	0.05
Bonita	2/4/1983	2:00	0.12
Bonita	2/4/1983	4:00	0.01
Bonita	2/4/1983	8:00	0.02
Bonita	2/4/1983	10:00	0.02

Bonita	2/4/1983	12:00	0.03
Bonita	2/5/1983	8:00	0.01
Bonita	2/5/1983	13:00	0.02
Bonita	2/5/1983	16:00	0.02
Bonita	2/5/1983	18:00	0.01
Bonita	2/5/1983	20:00	0.01
Bonita	2/5/1983	24:00	0.02
Bonita	2/6/1983	1:00	0.02
Bonita	2/6/1983	8:00	0.01
Bonita	2/7/1983	2:00	0.02
Bonita	2/7/1983	3:00	0.02
Bonita	2/7/1983	4:00	0.01
Bonita	2/7/1983	5:00	0.01
Bonita	2/7/1983	6:00	0.04
Bonita	2/7/1983	7:00	0.02
Bonita	2/7/1983	10:00	0.01
Bonita	2/7/1983	16:00	0.01
Bonita	2/7/1983	21:00	0.01
Bonita	2/7/1983	22:00	0.03
Bonita	2/8/1983	2:00	0.1
Bonita	2/8/1983	4:00	0.06
Bonita	2/8/1983	7:00	0.15
Bonita	2/8/1983	8:00	0.02
Bonita	2/8/1983	10:00	0.01
Bonita	2/24/1983	1:00	0.05
Bonita	2/24/1983	2:00	0.01
Bonita	2/24/1983	5:00	0.01
Bonita	2/24/1983	6:00	0.02
Bonita	2/24/1983	7:00	0.1
Bonita	2/24/1983	8:00	0.11
Bonita	2/24/1983	9:00	0.04
Bonita	2/24/1983	10:00	0.03
Bonita	2/24/1983	11:00	0.12
Bonita	2/24/1983	12:00	0.1
Bonita	2/24/1983	13:00	0.02
Bonita	2/24/1983	15:00	0.03
Bonita	2/24/1983	17:00	0.03
Bonita	2/24/1983	18:00	0.03
Bonita	2/24/1983	19:00	0.01
Bonita	2/24/1983	22:00	0.02
Bonita	2/24/1983	23:00	0.01
Bonita	2/26/1983	12:00	0.01
Bonita	2/26/1983	13:00	0.01
Bonita	2/26/1983	16:00	0.14
Bonita	2/26/1983	17:00	0.01
Bonita	2/26/1983	20:00	0.01
Bonita	2/26/1983	23:00	0.01
Bonita	2/27/1983	3:00	0.02
Bonita	2/27/1983	7:00	0.05
Bonita	2/27/1983	8:00	0.05

Bonita	2/27/1983	17:00	0.1
Bonita	2/27/1983	18:00	0.12
Bonita	2/27/1983	19:00	0.05
Bonita	2/27/1983	20:00	0.11
Bonita	2/27/1983	21:00	0.01
Bonita	2/27/1983	24:00	0.13
Bonita	2/28/1983	1:00	0.03
Bonita	2/28/1983	2:00	0.01
Bonita	2/28/1983	6:00	0.02
Bonita	2/28/1983	7:00	0.02
Bonita	2/28/1983	11:00	0.01
Bonita	2/28/1983	12:00	0.15
Bonita	2/28/1983	13:00	0.02
Bonita	3/1/1983	9:00	0.05
Bonita	3/1/1983	15:00	0.15
Bonita	3/1/1983	16:00	1.1
Bonita	3/1/1983	17:00	0.25
Bonita	3/1/1983	18:00	0.1
Bonita	3/2/1983	1:00	0.05
Bonita	3/2/1983	2:00	0.02
Bonita	3/2/1983	5:00	0.03
Bonita	3/2/1983	6:00	0.01
Bonita	3/2/1983	11:00	0.01
Bonita	3/2/1983	15:00	0.35
Bonita	3/2/1983	16:00	0.2
Bonita	3/2/1983	17:00	0.15
Bonita	3/2/1983	18:00	0.2
Bonita	3/2/1983	19:00	0.1
Bonita	3/2/1983	20:00	0.15
Bonita	3/2/1983	21:00	0.15
Bonita	3/2/1983	22:00	0.07
Bonita	3/2/1983	24:00	0.03
Bonita	3/3/1983	2:00	0.01
Bonita	3/3/1983	4:00	0.09
Bonita	3/3/1983	6:00	0.01
Bonita	3/3/1983	7:00	0.05
Bonita	3/3/1983	8:00	0.05
Bonita	3/3/1983	9:00	0.02
Bonita	3/3/1983	10:00	0.03
Bonita	3/3/1983	12:00	0.08
Bonita	3/3/1983	15:00	0.02
Bonita	3/3/1983	16:00	0.01
Bonita	3/3/1983	18:00	0.02
Bonita	3/3/1983	19:00	0.02
Bonita	3/4/1983	3:00	0.05
Bonita	3/4/1983	4:00	0.02
Bonita	3/4/1983	5:00	0.02
Bonita	3/4/1983	6:00	0.02
Bonita	3/4/1983	8:00	0.13
Bonita	3/4/1983	9:00	0.02

Bonita	3/4/1983	10:00	0.2
Bonita	3/4/1983	11:00	0.04
Bonita	3/4/1983	14:00	0.03
Bonita	3/5/1983	2:00	0.01
Bonita	3/5/1983	23:00	0.01
Bonita	3/6/1983	2:00	0.02
Bonita	3/6/1983	3:00	0.02
Bonita	3/6/1983	19:00	0.01
Bonita	3/7/1983	18:00	0.02
Bonita	3/14/1983	2:00	0.03
Bonita	3/14/1983	3:00	0.03
Bonita	3/14/1983	4:00	0.04
Bonita	3/14/1983	5:00	0.01
Bonita	3/17/1983	1:00	0.02
Bonita	3/17/1983	2:00	0.06
Bonita	3/17/1983	4:00	0.02
Bonita	3/17/1983	5:00	0.02
Bonita	3/17/1983	6:00	0.1
Bonita	3/17/1983	7:00	0.03
Bonita	3/17/1983	16:00	0.08
Bonita	3/17/1983	20:00	0.02
Bonita	3/17/1983	21:00	0.06
Bonita	3/17/1983	22:00	0.02
Bonita	3/18/1983	2:00	0.15
Bonita	3/18/1983	4:00	0.06
Bonita	3/18/1983	5:00	0.04
Bonita	3/18/1983	6:00	0.09
Bonita	3/18/1983	8:00	0.01
Bonita	3/18/1983	13:00	0.16
Bonita	3/18/1983	14:00	0.02
Bonita	3/18/1983	18:00	0.11
Bonita	3/18/1983	19:00	0.01
Bonita	3/18/1983	23:00	0.43
Bonita	3/21/1983	4:00	0.05
Bonita	3/21/1983	5:00	0.45
Bonita	3/21/1983	8:00	0.03
Bonita	3/21/1983	11:00	0.07
Bonita	3/21/1983	15:00	0.03
Bonita	3/22/1983	19:00	0.05
Bonita	3/22/1983	20:00	0.05
Bonita	3/22/1983	21:00	0.04
Bonita	3/22/1983	22:00	0.03
Bonita	3/22/1983	24:00	0.05
Bonita	3/24/1983	4:00	0.7
Bonita	3/24/1983	5:00	0.05
Bonita	3/24/1983	6:00	0.12
Bonita	3/24/1983	15:00	0.03
Bonita	3/24/1983	16:00	0.09
Bonita	3/24/1983	18:00	0.04
Bonita	3/24/1983	20:00	0.04

Bonita	3/24/1983	23:00	0.01
Bonita	3/28/1983	8:00	0.05
Bonita	4/5/1983	18:00	0.02
Bonita	4/5/1983	19:00	0.02
Bonita	4/5/1983	20:00	0.01
Bonita	4/12/1983	4:00	0.02
Bonita	4/12/1983	5:00	0.02
Bonita	4/12/1983	6:00	0.06
Bonita	4/12/1983	7:00	0.01
Bonita	4/17/1983	20:00	0.01
Bonita	4/17/1983	21:00	0.02
Bonita	4/17/1983	22:00	0.03
Bonita	4/17/1983	23:00	0.02
Bonita	4/18/1983	2:00	0.08
Bonita	4/18/1983	3:00	0.04
Bonita	4/19/1983	20:00	0.01
Bonita	4/19/1983	22:00	0.02
Bonita	4/19/1983	23:00	0.02
Bonita	4/20/1983	4:00	0.08
Bonita	4/20/1983	5:00	0.02
Bonita	4/20/1983	10:00	0.4
Bonita	4/20/1983	14:00	0.07
Bonita	4/20/1983	15:00	0.02
Bonita	4/20/1983	16:00	0.01
Bonita	4/20/1983	17:00	0.01
Bonita	4/20/1983	23:00	0.04
Bonita	4/21/1983	1:00	0.04
Bonita	4/21/1983	3:00	0.07
Bonita	4/21/1983	7:00	0.12
Bonita	4/21/1983	8:00	0.02
Bonita	4/21/1983	18:00	0.05
Bonita	4/21/1983	19:00	0.01
Bonita	4/29/1983	8:00	0.05
Bonita	4/29/1983	9:00	0.15
Bonita	4/29/1983	10:00	0.2
Bonita	4/29/1983	11:00	0.1
Bonita	4/29/1983	13:00	0.01
Bonita	4/30/1983	2:00	0.12
Bonita	4/30/1983	7:00	0.02
Bonita	4/30/1983	10:00	0.01
Bonita	6/9/1983	2:00	0.01
Bonita	6/9/1983	3:00	0.01
Bonita	6/9/1983	4:00	0.01
Bonita	6/9/1983	6:00	0.01
Bonita	8/14/1983	16:00	0.8
Bonita	8/14/1983	17:00	0.2
Bonita	8/18/1983	1:00	0.1
Bonita	8/18/1983	3:00	0.1
Bonita	8/18/1983	4:00	0.1
Bonita	8/18/1983	5:00	0.1

Bonita	8/18/1983	6:00	0.1
Bonita	8/18/1983	7:00	0.1
Bonita	10/1/1983	3:00	0.1
Bonita	10/7/1983	6:00	0.1
Bonita	10/7/1983	7:00	0.1
Bonita	11/12/1983	1:00	0.1
Bonita	11/12/1983	15:00	0.1
Bonita	11/12/1983	23:00	0.1
Bonita	11/18/1983	2:00	0.1
Bonita	11/20/1983	8:00	0.1
Bonita	11/20/1983	11:00	0.5
Bonita	11/20/1983	19:00	0.1
Bonita	11/21/1983	8:00	0.1
Bonita	11/21/1983	9:00	0.2
Bonita	11/24/1983	22:00	0.1
Bonita	11/24/1983	23:00	0.2
Bonita	11/24/1983	24:00	0.2
Bonita	11/25/1983	1:00	0.1
Bonita	11/25/1983	2:00	0.1
Bonita	12/1/1983	5:00	0.1
Bonita	12/3/1983	16:00	0.2
Bonita	12/3/1983	17:00	0.2
Bonita	12/3/1983	23:00	0.1
Bonita	12/9/1983	17:00	0.1
Bonita	12/9/1983	18:00	0.1
Bonita	12/24/1983	19:00	0.3
Bonita	12/25/1983	5:00	0.1
Bonita	12/25/1983	12:00	0.1
Bonita	12/25/1983	23:00	0.1
Bonita	12/26/1983	4:00	0.1
Bonita	12/27/1983	5:00	0.1
Bonita	12/27/1983	9:00	0.1
Bonita	1/4/1984	7:00	0.1
Bonita	1/4/1984	9:00	0.1
Bonita	1/16/1984	13:00	0.1
Bonita	1/16/1984	17:00	0.1
Bonita	3/31/1984	22:00	0.1
Bonita	4/6/1984	1:00	0.1
Bonita	4/6/1984	9:00	0.1
Bonita	4/19/1984	4:00	0.1
Bonita	4/27/1984	21:00	0.1
Bonita	7/14/1984	11:00	0.3
Bonita	10/17/1984	8:00	0.1
Bonita	10/17/1984	9:00	0.1
Bonita	10/27/1984	9:00	0.1
Bonita	11/8/1984	14:00	0.1
Bonita	11/16/1984	19:00	0.1
Bonita	11/16/1984	20:00	0.1
Bonita	11/16/1984	22:00	0.1
Bonita	11/16/1984	23:00	0.1

Bonita	11/18/1984 18:00	0.1
Bonita	11/21/1984 7:00	0.1
Bonita	11/21/1984 8:00	0.2
Bonita	11/22/1984 15:00	0.4
Bonita	11/22/1984 21:00	0.1
Bonita	11/23/1984 4:00	0.1
Bonita	11/23/1984 6:00	0.1
Bonita	11/24/1984 16:00	0.1
Bonita	11/24/1984 17:00	0.1
Bonita	11/24/1984 19:00	0.1
Bonita	11/24/1984 23:00	0.1
Bonita	12/3/1984 15:00	0.1
Bonita	12/3/1984 17:00	0.1
Bonita	12/7/1984 22:00	0.2
Bonita	12/7/1984 24:00	0.1
Bonita	12/8/1984 4:00	0.1
Bonita	12/10/1984 12:00	0.1
Bonita	12/10/1984 16:00	0.1
Bonita	12/10/1984 18:00	0.1
Bonita	12/10/1984 19:00	0.1
Bonita	12/11/1984 6:00	0.3
Bonita	12/11/1984 7:00	0.2
Bonita	12/11/1984 8:00	0.1
Bonita	12/11/1984 9:00	0.2
Bonita	12/11/1984 10:00	0.1
Bonita	12/16/1984 6:00	0.3
Bonita	12/16/1984 9:00	0.1
Bonita	12/18/1984 16:00	0.1
Bonita	12/18/1984 17:00	0.1
Bonita	12/18/1984 18:00	0.2
Bonita	12/18/1984 19:00	0.1
Bonita	12/19/1984 1:00	0.1
Bonita	12/19/1984 3:00	0.1
Bonita	12/19/1984 7:00	0.1
Bonita	12/19/1984 20:00	0.2
Bonita	12/20/1984 2:00	0.1
Bonita	12/20/1984 4:00	0.1
Bonita	12/26/1984 23:00	0.1
Bonita	12/27/1984 1:00	0.1
Bonita	12/27/1984 2:00	0.1
Bonita	12/27/1984 3:00	0.3
Bonita	12/27/1984 4:00	0.2
Bonita	12/27/1984 5:00	0.1
Bonita	12/27/1984 6:00	0.1
Bonita	12/27/1984 7:00	0.1
Bonita	12/27/1984 8:00	0.1
Bonita	12/27/1984 9:00	0.1
Bonita	12/27/1984 11:00	0.1
Bonita	12/27/1984 18:00	0.2
Bonita	12/27/1984 19:00	0.3

Bonita	12/27/1984	21:00	0.2
Bonita	12/27/1984	22:00	0.1
Bonita	12/27/1984	23:00	0.1
Bonita	12/27/1984	24:00	0.1
Bonita	12/28/1984	1:00	0.1
Bonita	12/28/1984	2:00	0.1
Bonita	1/7/1985	20:00	0.1
Bonita	1/8/1985	16:00	0.1
Bonita	1/8/1985	23:00	0.1
Bonita	1/27/1985	19:00	0.1
Bonita	1/28/1985	23:00	0.1
Bonita	1/30/1985	14:00	0.1
Bonita	2/2/1985	10:00	0.2
Bonita	2/2/1985	13:00	0.1
Bonita	2/2/1985	14:00	0.2
Bonita	2/2/1985	17:00	0.1
Bonita	2/3/1985	23:00	0.1
Bonita	2/4/1985	5:00	0.1
Bonita	2/9/1985	15:00	0.1
Bonita	2/20/1985	20:00	0.1
Bonita	3/2/1985	6:00	0.1
Bonita	3/2/1985	24:00	0.1
Bonita	3/27/1985	12:00	0.1
Bonita	3/27/1985	21:00	0.1
Bonita	3/27/1985	23:00	0.1
Bonita	3/28/1985	11:00	0.1
Bonita	10/7/1985	24:00	0.1
Bonita	11/11/1985	6:00	0.2
Bonita	11/11/1985	8:00	0.1
Bonita	11/11/1985	10:00	0.4
Bonita	11/11/1985	11:00	0.2
Bonita	11/11/1985	12:00	0.2
Bonita	11/11/1985	13:00	0.2
Bonita	11/11/1985	14:00	0.1
Bonita	11/11/1985	15:00	0.1
Bonita	11/11/1985	16:00	0.1
Bonita	11/11/1985	22:00	0.1
Bonita	11/12/1985	8:00	0.1
Bonita	11/12/1985	18:00	0.1
Bonita	11/24/1985	17:00	0.1
Bonita	11/24/1985	19:00	0.1
Bonita	11/25/1985	1:00	0.1
Bonita	11/25/1985	2:00	0.1
Bonita	11/25/1985	3:00	0.1
Bonita	11/25/1985	4:00	0.2
Bonita	11/25/1985	5:00	0.4
Bonita	11/25/1985	6:00	0.1
Bonita	11/25/1985	7:00	0.3
Bonita	11/25/1985	8:00	0.3
Bonita	11/25/1985	9:00	0.2

Bonita	11/25/1985	10:00	0.1
Bonita	11/25/1985	12:00	0.1
Bonita	11/25/1985	17:00	0.1
Bonita	11/25/1985	18:00	0.6
Bonita	11/25/1985	19:00	0.1
Bonita	11/25/1985	20:00	0.2
Bonita	11/29/1985	15:00	0.1
Bonita	11/29/1985	16:00	0.2
Bonita	11/29/1985	17:00	0.1
Bonita	11/29/1985	19:00	0.1
Bonita	12/2/1985	15:00	0.1
Bonita	12/2/1985	19:00	0.1
Bonita	12/2/1985	20:00	0.1
Bonita	12/2/1985	21:00	0.1
Bonita	12/2/1985	24:00	0.1
Bonita	12/3/1985	4:00	0.1
Bonita	12/11/1985	10:00	0.1
Bonita	12/11/1985	14:00	0.1
Bonita	12/11/1985	24:00	0.4
Bonita	12/12/1985	1:00	0.1
Bonita	12/12/1985	6:00	0.1
Bonita	12/12/1985	9:00	0.1
Bonita	1/30/1986	1:00	0.1
Bonita	1/30/1986	4:00	0.2
Bonita	1/30/1986	5:00	0.2
Bonita	1/31/1986	3:00	0.1
Bonita	1/31/1986	17:00	0.2
Bonita	1/31/1986	18:00	0.1
Bonita	1/31/1986	19:00	0.1
Bonita	1/31/1986	20:00	0.1
Bonita	2/7/1986	23:00	0.1
Bonita	2/8/1986	1:00	0.1
Bonita	2/8/1986	2:00	0.1
Bonita	2/8/1986	6:00	0.1
Bonita	2/8/1986	18:00	0.1
Bonita	2/15/1986	2:00	0.2
Bonita	2/15/1986	3:00	0.2
Bonita	2/15/1986	4:00	0.2
Bonita	2/15/1986	5:00	0.3
Bonita	2/15/1986	6:00	0.1
Bonita	2/15/1986	7:00	0.1
Bonita	2/15/1986	8:00	0.1
Bonita	2/15/1986	9:00	0.1
Bonita	2/15/1986	10:00	0.1
Bonita	2/15/1986	17:00	0.1
Bonita	3/8/1986	14:00	0.1
Bonita	3/8/1986	15:00	0.1
Bonita	3/8/1986	18:00	0.1
Bonita	3/8/1986	19:00	0.1
Bonita	3/8/1986	20:00	0.1

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Bonita	3/10/1986	7:00	0.2
Bonita	3/10/1986	8:00	0.1
Bonita	3/10/1986	15:00	0.1
Bonita	3/12/1986	12:00	0.1
Bonita	3/13/1986	20:00	0.1
Bonita	3/14/1986	4:00	0.1
Bonita	3/15/1986	20:00	0.1
Bonita	3/15/1986	23:00	0.3
Bonita	3/16/1986	7:00	0.1
Bonita	3/16/1986	21:00	0.2
Bonita	4/1/1986	2:00	0.1
Bonita	4/6/1986	4:00	0.1
Bonita	4/6/1986	5:00	0.1
Bonita	4/6/1986	7:00	0.2
Bonita	4/6/1986	8:00	0.1
Bonita	4/6/1986	21:00	0.1
Bonita	9/25/1986	1:00	0.1
Bonita	9/25/1986	2:00	0.1
Bonita	9/25/1986	3:00	0.1
Bonita	9/25/1986	4:00	0.2
Bonita	9/25/1986	5:00	0.1
Bonita	9/25/1986	6:00	0.3
Bonita	9/25/1986	7:00	0.1
Bonita	10/9/1986	16:00	0.1
Bonita	10/9/1986	17:00	0.1
Bonita	10/9/1986	20:00	0.1
Bonita	10/9/1986	24:00	0.1
Bonita	10/10/1986	1:00	0.3
Bonita	10/10/1986	2:00	0.1
Bonita	10/10/1986	3:00	0.1
Bonita	10/10/1986	4:00	0.1
Bonita	11/17/1986	12:00	0.1
Bonita	11/17/1986	20:00	0.1
Bonita	11/17/1986	21:00	0.1
Bonita	11/17/1986	23:00	0.1
Bonita	11/17/1986	24:00	0.1
Bonita	11/18/1986	1:00	0.1
Bonita	12/6/1986	1:00	0.1
Bonita	12/6/1986	3:00	0.1
Bonita	12/6/1986	5:00	0.1
Bonita	12/6/1986	17:00	0.2
Bonita	12/6/1986	18:00	0.1
Bonita	12/6/1986	24:00	0.1
Bonita	12/7/1986	7:00	0.1
Bonita	12/7/1986	9:00	0.1
Bonita	12/7/1986	10:00	0.1
Bonita	12/7/1986	11:00	0.2
Bonita	12/7/1986	16:00	0.3
Bonita	12/20/1986	14:00	0.1

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Bonita	1/5/1987	6:00	0.5
Bonita	1/5/1987	7:00	0.1
Bonita	1/5/1987	8:00	0.1
Bonita	1/5/1987	10:00	0.1
Bonita	1/5/1987	12:00	0.1
Bonita	1/5/1987	15:00	0.1
Bonita	1/7/1987	12:00	0.1
Bonita	1/7/1987	14:00	0.1
Bonita	1/7/1987	20:00	0.1
Bonita	2/13/1987	19:00	0.1
Bonita	2/13/1987	23:00	0.1
Bonita	2/15/1987	17:00	0.1
Bonita	2/24/1987	4:00	0.1
Bonita	2/24/1987	10:00	0.1
Bonita	2/24/1987	17:00	0.1
Bonita	2/24/1987	18:00	0.1
Bonita	2/25/1987	13:00	0.1
Bonita	2/25/1987	14:00	0.1
Bonita	2/25/1987	21:00	0.2
Bonita	2/25/1987	23:00	0.2
Bonita	2/25/1987	24:00	0.2
Bonita	2/26/1987	3:00	0.1
Bonita	3/6/1987	9:00	0.1
Bonita	3/6/1987	15:00	0.1
Bonita	3/15/1987	3:00	0.2
Bonita	3/15/1987	4:00	0.1
Bonita	3/15/1987	22:00	0.1
Bonita	3/16/1987	6:00	0.1
Bonita	3/21/1987	17:00	0.1
Bonita	3/21/1987	19:00	0.1
Bonita	3/22/1987	9:00	0.1
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Bonita	4/3/1987	1:00	0.1
Bonita	4/3/1987	5:00	0.1
Bonita	4/3/1987	6:00	0.1
Bonita	4/3/1987	21:00	0.1
Bonita	9/22/1987	5:00	0.1
Bonita	9/22/1987	10:00	0.1
Bonita	9/22/1987	11:00	0.1
Bonita	9/22/1987	12:00	0.2
Bonita	9/22/1987	17:00	0.1
Bonita	9/22/1987	23:00	0.1
Bonita	10/11/1987	13:00	0.1
Bonita	10/11/1987	14:00	0.1
Bonita	10/11/1987	15:00	0.1
Bonita	10/11/1987	17:00	0.5
Bonita	10/11/1987	18:00	0.1
Bonita	10/12/1987	18:00	0.1
Bonita	10/12/1987	19:00	0.1

Bonita	10/12/1987	20:00	0.2
Bonita	10/12/1987	23:00	0.1
Bonita	10/22/1987	18:00	0.1
Bonita	10/22/1987	19:00	0.1
Bonita	10/22/1987	21:00	0.1
Bonita	10/23/1987	4:00	0.1
Bonita	10/24/1987	21:00	0.1
Bonita	11/4/1987	17:00	0.1
Bonita	11/4/1987	18:00	0.1
Bonita	11/4/1987	21:00	0.1
Bonita	11/5/1987	7:00	0.1
Bonita	11/5/1987	17:00	0.1
Bonita	11/5/1987	20:00	0.1
Bonita	11/6/1987	4:00	0.1
Bonita	11/8/1987	3:00	0.1
Bonita	12/16/1987	11:00	0.1
Bonita	12/16/1987	13:00	0.1
Bonita	12/16/1987	14:00	0.1
Bonita	12/16/1987	15:00	0.2
Bonita	12/16/1987	16:00	0.2
Bonita	12/16/1987	17:00	0.2
Bonita	12/16/1987	18:00	0.1
Bonita	12/16/1987	19:00	0.1
Bonita	12/16/1987	20:00	0.1
Bonita	12/17/1987	4:00	0.1
Bonita	12/17/1987	5:00	0.2
Bonita	12/17/1987	6:00	0.1
Bonita	12/17/1987	8:00	0.1
Bonita	12/19/1987	17:00	0.3
Bonita	12/19/1987	18:00	0.1
Bonita	12/29/1987	15:00	0.1
Bonita	12/30/1987	4:00	0.1
Bonita	1/5/1988	15:00	0.1
Bonita	1/5/1988	18:00	0.1
Bonita	1/17/1988	9:00	0.1
Bonita	1/17/1988	10:00	0.2
Bonita	1/17/1988	11:00	0.1
Bonita	1/17/1988	12:00	0.1
Bonita	1/17/1988	13:00	0.1
Bonita	1/17/1988	16:00	0.1
Bonita	1/17/1988	17:00	0.1
Bonita	1/17/1988	19:00	0.1
Bonita	1/17/1988	23:00	0.1
Bonita	2/2/1988	2:00	0.1
Bonita	2/2/1988	7:00	0.1
Bonita	2/2/1988	10:00	0.1
Bonita	2/2/1988	12:00	0.2
Bonita	2/2/1988	13:00	0.4
Bonita	2/2/1988	14:00	0.2
Bonita	2/2/1988	15:00	0.1

Bonita	2/2/1988	20:00	0.1
Bonita	2/29/1988	22:00	0.1
Bonita	3/1/1988	9:00	0.1
Bonita	3/1/1988	22:00	0.1
Bonita	3/1/1988	23:00	0.1
Bonita	3/1/1988	24:00	0.1
Bonita	3/2/1988	2:00	0.1
Bonita	3/2/1988	3:00	0.1
Bonita	4/14/1988	20:00	0.1
Bonita	4/14/1988	23:00	0.3
Bonita	4/14/1988	24:00	0.1
Bonita	4/18/1988	8:00	0.1
Bonita	4/20/1988	7:00	0.1
Bonita	4/20/1988	8:00	0.1
Bonita	4/20/1988	9:00	0.1
Bonita	4/20/1988	10:00	0.1
Bonita	4/20/1988	11:00	0.1
Bonita	4/20/1988	13:00	0.1
Bonita	4/20/1988	23:00	0.2
Bonita	4/20/1988	24:00	0.1
Bonita	4/21/1988	9:00	0.1
Bonita	4/21/1988	10:00	0.1
Bonita	4/22/1988	9:00	0.1
Bonita	5/29/1988	5:00	0.1
Bonita	11/14/1988	7:00	0.1
Bonita	11/14/1988	8:00	0.1
Bonita	11/14/1988	9:00	0.1
Bonita	11/25/1988	6:00	0.1
Bonita	11/25/1988	7:00	0.1
Bonita	11/25/1988	9:00	0.1
Bonita	11/25/1988	10:00	0.1
Bonita	11/25/1988	11:00	0.1
Bonita	11/25/1988	20:00	0.1
Bonita	12/15/1988	20:00	0.1
Bonita	12/16/1988	7:00	0.1
Bonita	12/16/1988	16:00	0.1
Bonita	12/18/1988	19:00	0.1
Bonita	12/21/1988	7:00	0.1
Bonita	12/23/1988	2:00	0.1
Bonita	12/24/1988	23:00	0.2
Bonita	12/24/1988	24:00	0.4
Bonita	12/25/1988	1:00	0.1
Bonita	12/25/1988	2:00	0.1
Bonita	12/25/1988	21:00	0.1
Bonita	12/25/1988	24:00	0.1
Bonita	12/27/1988	23:00	0.1
Bonita	1/4/1989	1:00	0.1
Bonita	1/4/1989	8:00	0.1
Bonita	1/5/1989	18:00	0.1
Bonita	1/5/1989	24:00	0.1

Bonita	1/23/1989	20:00	0.1
Bonita	1/23/1989	24:00	0.1
Bonita	2/2/1989	10:00	0.1
Bonita	2/4/1989	2:00	0.1
Bonita	2/9/1989	4:00	0.1
Bonita	2/9/1989	5:00	0.1
Bonita	2/9/1989	15:00	0.1
Bonita	2/13/1989	17:00	0.1
Bonita	3/2/1989	18:00	0.1
Bonita	3/2/1989	19:00	0.1
Bonita	3/25/1989	13:00	0.1
Bonita	3/25/1989	14:00	0.1
Bonita	3/25/1989	15:00	0.1
Bonita	3/25/1989	16:00	0.1
Bonita	3/25/1989	23:00	0.1
Bonita	4/26/1989	6:00	0.1
Bonita	9/17/1989	3:00	0.1
Bonita	9/19/1989	10:00	0.1
Bonita	11/26/1989	10:00	0.1
Bonita	12/27/1989	24:00	0.1
Bonita	12/28/1989	2:00	0.1
Bonita	12/28/1989	4:00	0.1
Bonita	12/28/1989	6:00	0.1
Bonita	1/1/1990	2:00	0.1
Bonita	1/1/1990	3:00	0.1
Bonita	1/1/1990	9:00	0.1
Bonita	1/13/1990	21:00	0.1
Bonita	1/14/1990	5:00	0.1
Bonita	1/14/1990	6:00	0.1
Bonita	1/14/1990	19:00	0.2
Bonita	1/14/1990	20:00	0.1
Bonita	1/14/1990	21:00	0.1
Bonita	1/14/1990	22:00	0.1
Bonita	1/15/1990	5:00	0.1
Bonita	1/15/1990	11:00	0.1
Bonita	1/16/1990	9:00	0.1
Bonita	1/16/1990	19:00	0.1
Bonita	1/17/1990	2:00	0.1
Bonita	1/17/1990	5:00	0.1
Bonita	1/17/1990	9:00	0.1
Bonita	1/17/1990	12:00	0.1
Bonita	1/17/1990	17:00	0.1
Bonita	1/17/1990	24:00	0.1
Bonita	1/18/1990	3:00	0.2
Bonita	2/4/1990	10:00	0.11
Bonita	2/4/1990	11:00	0.07
Bonita	2/4/1990	12:00	0.06
Bonita	2/4/1990	15:00	0.01
Bonita	2/17/1990	18:00	0.02
Bonita	2/17/1990	19:00	0.09

Bonita	2/17/1990	20:00	0.4
Bonita	2/17/1990	21:00	0.16
Bonita	2/17/1990	22:00	0.01
Bonita	2/18/1990	7:00	0.1
Bonita	2/18/1990	8:00	0.01
Bonita	2/18/1990	12:00	0.04
Bonita	2/18/1990	13:00	0.02
Bonita	2/18/1990	24:00	0.03
Bonita	3/11/1990	2:00	0.1
Bonita	3/11/1990	3:00	0.1
Bonita	3/12/1990	18:00	0.2
Bonita	4/4/1990	6:00	0.2
Bonita	4/4/1990	7:00	0.1
Bonita	4/17/1990	8:00	0.1
Bonita	4/23/1990	4:00	0.1
Bonita	4/23/1990	20:00	0.1
Bonita	5/28/1990	5:00	0.1
Bonita	5/28/1990	9:00	0.1
Bonita	5/28/1990	21:00	0.1
Bonita	6/9/1990	9:00	0.2
Bonita	6/10/1990	3:00	0.1
Bonita	6/10/1990	4:00	0.2
Bonita	6/10/1990	8:00	0.1
Bonita	11/19/1990	20:00	0.1
Bonita	11/19/1990	21:00	0.2
Bonita	11/20/1990	2:00	0.1
Bonita	11/20/1990	6:00	0.1
Bonita	11/26/1990	2:00	0.1
Bonita	12/19/1990	14:00	0.1
Bonita	12/19/1990	24:00	0.1
Bonita	12/20/1990	3:00	0.1
Bonita	12/20/1990	10:00	0.1
Bonita	12/21/1990	3:00	0.1
Bonita	1/3/1991	11:00	0.1
Bonita	1/3/1991	15:00	0.1
Bonita	1/3/1991	16:00	0.1
Bonita	1/3/1991	17:00	0.1
Bonita	1/3/1991	19:00	0.1
Bonita	1/3/1991	20:00	0.1
Bonita	1/4/1991	1:00	0.1
Bonita	1/4/1991	5:00	0.1
Bonita	1/4/1991	6:00	0.1
Bonita	1/9/1991	12:00	0.1
Bonita	1/9/1991	13:00	0.2
Bonita	2/27/1991	12:00	0.1
Bonita	2/27/1991	14:00	0.2
Bonita	2/27/1991	15:00	0.1
Bonita	2/27/1991	16:00	0.1
Bonita	2/27/1991	17:00	0.1
Bonita	2/27/1991	18:00	0.1

Bonita	2/27/1991	19:00	0.1
Bonita	2/27/1991	21:00	0.1
Bonita	2/27/1991	22:00	0.1
Bonita	2/28/1991	4:00	0.2
Bonita	2/28/1991	14:00	0.1
Bonita	2/28/1991	15:00	0.1
Bonita	2/28/1991	20:00	0.5
Bonita	2/28/1991	21:00	0.1
Bonita	2/28/1991	22:00	0.3
Bonita	2/28/1991	23:00	0.1
Bonita	2/28/1991	24:00	0.1
Bonita	3/1/1991	2:00	0.1
Bonita	3/1/1991	3:00	0.1
Bonita	3/1/1991	4:00	0.2
Bonita	3/1/1991	5:00	0.2
Bonita	3/1/1991	6:00	0.3
Bonita	3/1/1991	10:00	0.1
Bonita	3/11/1991	1:00	0.1
Bonita	3/13/1991	17:00	0.3
Bonita	3/15/1991	18:00	0.1
Bonita	3/18/1991	23:00	0.3
Bonita	3/18/1991	24:00	0.1
Bonita	3/19/1991	1:00	0.1
Bonita	3/19/1991	2:00	0.2
Bonita	3/19/1991	5:00	0.1
Bonita	3/20/1991	6:00	0.4
Bonita	3/20/1991	7:00	0.1
Bonita	3/20/1991	8:00	0.1
Bonita	3/20/1991	16:00	0.2
Bonita	3/20/1991	18:00	0.1
Bonita	3/20/1991	20:00	0.1
Bonita	3/20/1991	22:00	0.1
Bonita	3/20/1991	24:00	0.1
Bonita	3/21/1991	3:00	0.1
Bonita	3/21/1991	5:00	0.1
Bonita	3/21/1991	7:00	0.1
Bonita	3/21/1991	8:00	0.1
Bonita	3/21/1991	15:00	0.1
Bonita	3/25/1991	7:00	0.2
Bonita	3/25/1991	8:00	0.1
Bonita	3/25/1991	9:00	0.1
Bonita	3/25/1991	11:00	0.1
Bonita	3/25/1991	23:00	0.1
Bonita	3/25/1991	24:00	0.1
Bonita	3/26/1991	1:00	0.1
Bonita	3/26/1991	2:00	0.1
Bonita	3/26/1991	4:00	0.1
Bonita	3/26/1991	5:00	0.1
Bonita	3/26/1991	7:00	0.1
Bonita	3/26/1991	24:00	0.1

Bonita	3/27/1991	1:00	0.2
Bonita	3/27/1991	2:00	0.4
Bonita	3/27/1991	3:00	0.1
Bonita	3/27/1991	5:00	0.1
Bonita	3/27/1991	8:00	0.1
Bonita	3/27/1991	12:00	0.1
Bonita	9/20/1991	17:00	0.1
Bonita	10/23/1991	22:00	0.1
Bonita	10/24/1991	1:00	0.1
Bonita	10/24/1991	8:00	0.1
Bonita	10/26/1991	20:00	0.1
Bonita	10/26/1991	22:00	0.1
Bonita	10/26/1991	23:00	0.1
Bonita	10/26/1991	24:00	0.1
Bonita	10/27/1991	1:00	0.1
Bonita	10/27/1991	2:00	0.1
Bonita	12/8/1991	17:00	0.1
Bonita	12/8/1991	19:00	0.1
Bonita	12/17/1991	9:00	0.1
Bonita	12/17/1991	18:00	0.2
Bonita	12/17/1991	19:00	0.1
Bonita	12/17/1991	21:00	0.1
Bonita	12/17/1991	23:00	0.1
Bonita	12/19/1991	1:00	0.1
Bonita	12/27/1991	24:00	0.1
Bonita	12/28/1991	1:00	0.1
Bonita	12/28/1991	6:00	0.1
Bonita	12/29/1991	15:00	0.2
Bonita	12/29/1991	16:00	0.1
Bonita	12/29/1991	17:00	0.1
Bonita	12/29/1991	22:00	0.2
Bonita	1/5/1992	13:00	0.2
Bonita	1/5/1992	14:00	0.2
Bonita	1/5/1992	15:00	0.1
Bonita	1/5/1992	16:00	0.1
Bonita	1/5/1992	17:00	0.2
Bonita	1/5/1992	21:00	0.1
Bonita	1/6/1992	2:00	0.1
Bonita	1/6/1992	14:00	0.1
Bonita	1/7/1992	2:00	0.1
Bonita	1/7/1992	15:00	0.1
Bonita	1/7/1992	19:00	0.1
Bonita	2/6/1992	6:00	0.1
Bonita	2/6/1992	9:00	0.1
Bonita	2/6/1992	14:00	0.2
Bonita	2/6/1992	15:00	0.5
Bonita	2/6/1992	17:00	0.4
Bonita	2/6/1992	18:00	0.3
Bonita	2/6/1992	20:00	0.1
Bonita	2/9/1992	22:00	0.1

Bonita	2/9/1992	23:00	0.1
Bonita	2/10/1992	2:00	0.1
Bonita	2/10/1992	3:00	0.1
Bonita	2/10/1992	6:00	0.1
Bonita	2/10/1992	7:00	0.1
Bonita	2/12/1992	21:00	0.2
Bonita	2/12/1992	22:00	0.3
Bonita	2/12/1992	24:00	0.1
Bonita	2/13/1992	3:00	0.1
Bonita	2/13/1992	5:00	0.1
Bonita	2/15/1992	13:00	0.1
Bonita	2/15/1992	14:00	0.2
Bonita	2/15/1992	16:00	0.1
Bonita	3/2/1992	6:00	0.1
Bonita	3/2/1992	7:00	0.1
Bonita	3/2/1992	8:00	0.1
Bonita	3/2/1992	14:00	0.2
Bonita	3/2/1992	15:00	0.4
Bonita	3/2/1992	16:00	0.1
Bonita	3/2/1992	18:00	0.4
Bonita	3/2/1992	22:00	0.2
Bonita	3/2/1992	23:00	0.1
Bonita	3/3/1992	2:00	0.1
Bonita	3/6/1992	21:00	0.1
Bonita	3/6/1992	23:00	0.1
Bonita	3/6/1992	24:00	0.3
Bonita	3/7/1992	21:00	0.1
Bonita	3/8/1992	1:00	0.1
Bonita	3/8/1992	2:00	0.1
Bonita	3/8/1992	9:00	0.1
Bonita	3/8/1992	22:00	0.1
Bonita	3/20/1992	15:00	0.5
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Bonita	3/21/1992	4:00	0.1
Bonita	3/22/1992	12:00	0.1
Bonita	3/23/1992	3:00	0.1
Bonita	3/23/1992	4:00	0.1
Bonita	3/23/1992	8:00	0.1
Bonita	3/26/1992	14:00	0.1
Bonita	3/26/1992	16:00	0.1
Bonita	3/26/1992	17:00	0.2
Bonita	3/26/1992	19:00	0.1
Bonita	3/27/1992	5:00	0.1
Bonita	3/27/1992	7:00	0.1
Bonita	4/1/1992	6:00	0.1
Bonita	10/23/1992	3:00	0.16
Bonita	10/23/1992	17:00	0.04
Bonita	10/30/1992	18:00	0.04
Bonita	12/3/1992	20:00	0.12
Bonita	12/3/1992	21:00	0.04

Bonita	12/3/1992	22:00	0.04
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Bonita	12/4/1992	11:00	0.04
Bonita	12/7/1992	7:00	0.04
Bonita	12/7/1992	9:00	0.16
Bonita	12/7/1992	10:00	0.12
Bonita	12/7/1992	11:00	0.04
Bonita	12/7/1992	12:00	0.28
Bonita	12/7/1992	13:00	0.32
Bonita	12/7/1992	14:00	0.28
Bonita	12/7/1992	15:00	0.36
Bonita	12/7/1992	23:00	0.04
Bonita	12/18/1992	2:00	0.12
Bonita	12/18/1992	4:00	0.04
Bonita	12/18/1992	5:00	0.04
Bonita	12/27/1992	16:00	0.08
Bonita	12/27/1992	17:00	0.04
Bonita	12/27/1992	18:00	0.04
Bonita	12/27/1992	19:00	0.04
Bonita	12/27/1992	20:00	0.04
Bonita	12/27/1992	21:00	0.12
Bonita	12/27/1992	22:00	0.08
Bonita	12/27/1992	23:00	0.08
Bonita	12/27/1992	24:00	0.12
Bonita	12/28/1992	2:00	0.04
Bonita	12/28/1992	6:00	0.04
Bonita	12/29/1992	13:00	0.04
Bonita	12/29/1992	14:00	0.08
Bonita	12/29/1992	22:00	0.08
Bonita	12/29/1992	24:00	0.04
Bonita	1/2/1993	10:00	0.04
Bonita	1/2/1993	11:00	0.04
Bonita	1/2/1993	13:00	0.08
Bonita	1/5/1993	21:00	0.04
Bonita	1/5/1993	22:00	0.04
Bonita	1/5/1993	24:00	0.04
Bonita	1/6/1993	1:00	0.04
Bonita	1/6/1993	2:00	0.2
Bonita	1/6/1993	3:00	0.04
Bonita	1/6/1993	4:00	0.04
Bonita	1/6/1993	5:00	0.04
Bonita	1/6/1993	12:00	0.24
Bonita	1/6/1993	13:00	0.08
Bonita	1/6/1993	14:00	0.08
Bonita	1/6/1993	16:00	0.04
Bonita	1/6/1993	18:00	0.08
Bonita	1/6/1993	20:00	0.04
Bonita	1/6/1993	21:00	0.12
Bonita	1/6/1993	22:00	0.08

Bonita	1/6/1993	23:00	0.12
Bonita	1/6/1993	24:00	0.04
Bonita	1/7/1993	1:00	0.12
Bonita	1/7/1993	3:00	0.16
Bonita	1/7/1993	4:00	0.16
Bonita	1/7/1993	5:00	0.08
Bonita	1/7/1993	6:00	0.04
Bonita	1/7/1993	7:00	0.08
Bonita	1/7/1993	9:00	0.16
Bonita	1/7/1993	10:00	0.04
Bonita	1/7/1993	14:00	0.04
Bonita	1/7/1993	15:00	0.08
Bonita	1/7/1993	16:00	0.04
Bonita	1/7/1993	17:00	0.04
Bonita	1/7/1993	19:00	0.08
Bonita	1/7/1993	20:00	0.04
Bonita	1/7/1993	23:00	0.2
Bonita	1/8/1993	7:00	0.04
Bonita	1/8/1993	8:00	0.01
Bonita	1/8/1993	9:00	0.01
Bonita	1/8/1993	10:00	0.03
Bonita	1/8/1993	12:00	0.01
Bonita	1/8/1993	13:00	0.07
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Bonita	1/9/1993	20:00	0.04
Bonita	1/9/1993	23:00	0.04
Bonita	1/10/1993	4:00	0.04
Bonita	1/11/1993	14:00	0.04
Bonita	1/12/1993	13:00	0.04
Bonita	1/12/1993	14:00	0.32
Bonita	1/12/1993	15:00	0.12
Bonita	1/12/1993	16:00	0.2
Bonita	1/12/1993	17:00	0.04
Bonita	1/12/1993	19:00	0.04
Bonita	1/12/1993	20:00	0.04
Bonita	1/12/1993	22:00	0.04
Bonita	1/12/1993	23:00	0.12
Bonita	1/13/1993	7:00	0.04
Bonita	1/13/1993	20:00	0.04
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Bonita	1/13/1993	22:00	0.04
Bonita	1/14/1993	2:00	0.04
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Bonita	1/14/1993	5:00	0.2
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Bonita	1/15/1993	12:00	0.12
Bonita	1/15/1993	13:00	0.16
Bonita	1/15/1993	14:00	0.16
Bonita	1/15/1993	15:00	0.12
Bonita	1/15/1993	16:00	0.2

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Bonita	1/15/1993	19:00	0.08
Bonita	1/15/1993	20:00	0.08
Bonita	1/15/1993	21:00	0.08
Bonita	1/15/1993	24:00	0.04
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Bonita	1/16/1993	20:00	0.04
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Bonita	1/17/1993	3:00	0.08
Bonita	1/17/1993	7:00	0.04
Bonita	1/17/1993	10:00	0.08
Bonita	1/17/1993	18:00	0.08
Bonita	1/17/1993	19:00	0.04
Bonita	1/18/1993	1:00	0.04
Bonita	1/18/1993	5:00	0.08
Bonita	1/18/1993	7:00	0.04
Bonita	1/18/1993	10:00	0.08
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Bonita	1/18/1993	18:00	0.12
Bonita	1/18/1993	20:00	0.12
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Bonita	2/7/1993	19:00	0.08
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Bonita	2/7/1993	21:00	0.04
Bonita	2/7/1993	23:00	0.04
Bonita	2/7/1993	24:00	0.16
Bonita	2/8/1993	1:00	0.04
Bonita	2/8/1993	2:00	0.04
Bonita	2/8/1993	3:00	0.04
Bonita	2/8/1993	6:00	0.04
Bonita	2/8/1993	10:00	0.04
Bonita	2/8/1993	18:00	0.24
Bonita	2/8/1993	21:00	0.04
Bonita	2/8/1993	22:00	0.04
Bonita	2/9/1993	3:00	0.04
Bonita	2/9/1993	23:00	0.04
Bonita	2/18/1993	12:00	0.04
Bonita	2/18/1993	13:00	0.04
Bonita	2/18/1993	14:00	0.04

Bonita	2/18/1993	15:00	0.04
Bonita	2/18/1993	16:00	0.16
Bonita	2/18/1993	19:00	0.04
Bonita	2/18/1993	21:00	0.12
Bonita	2/19/1993	8:00	0.04
Bonita	2/19/1993	10:00	0.04
Bonita	2/19/1993	15:00	0.08
Bonita	2/19/1993	16:00	0.04
Bonita	2/19/1993	19:00	0.44
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Bonita	2/20/1993	8:00	0.12
Bonita	2/21/1993	2:00	0.04
Bonita	2/23/1993	18:00	0.32
Bonita	2/23/1993	19:00	0.04
Bonita	2/23/1993	20:00	0.04
Bonita	2/23/1993	21:00	0.08
Bonita	2/23/1993	22:00	0.08
Bonita	2/23/1993	24:00	0.12
Bonita	2/24/1993	5:00	0.12
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Bonita	2/24/1993	8:00	0.04
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Bonita	2/26/1993	21:00	0.04
Bonita	2/26/1993	22:00	0.04
Bonita	2/27/1993	5:00	0.04
Bonita	2/28/1993	4:00	0.04
Bonita	3/25/1993	23:00	0.12
Bonita	3/25/1993	24:00	0.2
Bonita	3/26/1993	1:00	0.04
Bonita	3/26/1993	3:00	0.2
Bonita	3/26/1993	4:00	0.16
Bonita	3/26/1993	18:00	0.08
Bonita	3/26/1993	19:00	0.08
Bonita	3/26/1993	21:00	0.04
Bonita	3/28/1993	2:00	0.2
Bonita	3/28/1993	3:00	0.12
Bonita	6/5/1993	14:00	0.12
Bonita	6/5/1993	15:00	0.16
Bonita	6/5/1993	16:00	0.08
Bonita	6/5/1993	21:00	0.12
Bonita	6/5/1993	22:00	0.08
Bonita	6/6/1993	4:00	0.04
Bonita	10/16/1993	9:00	0.08
Bonita	11/11/1993	5:00	0.2
Bonita	11/11/1993	8:00	0.04
Bonita	11/11/1993	13:00	0.04
Bonita	11/12/1993	20:00	0.04

Bonita	11/22/1993	22:00	0.04
Bonita	11/22/1993	23:00	0.12
Bonita	11/22/1993	24:00	0.01
Bonita	11/23/1993	3:00	0.04
Bonita	11/23/1993	4:00	0.02
Bonita	11/30/1993	4:00	0.04
Bonita	11/30/1993	5:00	0.08
Bonita	12/11/1993	16:00	0.2
Bonita	12/11/1993	17:00	0.08
Bonita	12/11/1993	18:00	0.12
Bonita	12/12/1993	10:00	0.04
Bonita	12/14/1993	17:00	0.2
Bonita	12/14/1993	22:00	0.04
Bonita	12/15/1993	3:00	0.04
Bonita	1/25/1994	1:00	0.08
Bonita	1/25/1994	2:00	0.16
Bonita	1/25/1994	5:00	0.04
Bonita	1/25/1994	8:00	0.04
Bonita	1/25/1994	11:00	0.04
Bonita	1/25/1994	12:00	0.04
Bonita	1/25/1994	14:00	0.04
Bonita	1/25/1994	23:00	0.04
Bonita	1/26/1994	7:00	0.04
Bonita	2/3/1994	18:00	0.08
Bonita	2/3/1994	19:00	0.04
Bonita	2/3/1994	21:00	0.08
Bonita	2/4/1994	1:00	0.08
Bonita	2/4/1994	2:00	0.02
Bonita	2/4/1994	6:00	0.02
Bonita	2/4/1994	8:00	0.09
Bonita	2/4/1994	10:00	0.03
Bonita	2/5/1994	3:00	0.04
Bonita	2/7/1994	2:00	0.04
Bonita	2/7/1994	5:00	0.12
Bonita	2/7/1994	6:00	0.04
Bonita	2/7/1994	7:00	0.04
Bonita	2/7/1994	14:00	0.04
Bonita	2/7/1994	20:00	0.08
Bonita	2/8/1994	6:00	0.16
Bonita	2/8/1994	7:00	0.04
Bonita	2/8/1994	10:00	0.08
Bonita	2/8/1994	11:00	0.04
Bonita	2/17/1994	10:00	0.04
Bonita	2/17/1994	11:00	0.28
Bonita	2/17/1994	12:00	0.16
Bonita	2/17/1994	13:00	0.16
Bonita	2/17/1994	14:00	0.04
Bonita	2/17/1994	15:00	0.04
Bonita	2/18/1994	7:00	0.08
Bonita	2/18/1994	17:00	0.24

Bonita	2/18/1994	18:00	0.04
Bonita	2/18/1994	20:00	0.04
Bonita	2/18/1994	24:00	0.08
Bonita	2/19/1994	2:00	0.08
Bonita	2/19/1994	7:00	0.04
Bonita	2/20/1994	17:00	0.08
Bonita	2/21/1994	5:00	0.04
Bonita	3/6/1994	4:00	0.08
Bonita	3/6/1994	13:00	0.04
Bonita	3/6/1994	20:00	0.04
Bonita	3/6/1994	22:00	0.04
Bonita	3/6/1994	23:00	0.04
Bonita	3/6/1994	24:00	0.08
Bonita	3/7/1994	1:00	0.04
Bonita	3/7/1994	2:00	0.04
Bonita	3/7/1994	3:00	0.08
Bonita	3/7/1994	4:00	0.12
Bonita	3/7/1994	5:00	0.08
Bonita	3/7/1994	11:00	0.08
Bonita	3/24/1994	24:00	0.08
Bonita	3/25/1994	1:00	0.04
Bonita	3/25/1994	13:00	0.12
Bonita	3/25/1994	22:00	0.08
Bonita	4/9/1994	13:00	0.08
Bonita	4/9/1994	15:00	0.04
Bonita	4/24/1994	4:00	0.08
Bonita	4/24/1994	5:00	0.08
Bonita	4/24/1994	6:00	0.08
Bonita	4/25/1994	17:00	0.04
Bonita	4/25/1994	18:00	0.16
Bonita	4/25/1994	19:00	0.04
Bonita	4/26/1994	17:00	0.08
Bonita	4/26/1994	20:00	0.04
Bonita	4/26/1994	22:00	0.04
Bonita	4/26/1994	24:00	0.08
Bonita	4/27/1994	23:00	0.04
Bonita	4/27/1994	24:00	0.36
Bonita	4/28/1994	1:00	0.12
Bonita	4/28/1994	2:00	0.04
Bonita	4/28/1994	3:00	0.04
Bonita	11/10/1994	14:00	0.08
Bonita	11/10/1994	22:00	0.04
Bonita	11/11/1994	9:00	0.04
Bonita	11/18/1994	5:00	0.04
Bonita	12/5/1994	9:00	0.04
Bonita	12/23/1994	14:00	0.04
Bonita	12/24/1994	7:00	0.08
Bonita	12/24/1994	8:00	0.08
Bonita	12/24/1994	24:00	0.04
Bonita	12/25/1994	1:00	0.12

Bonita	12/25/1994	2:00	0.08
Bonita	12/25/1994	3:00	0.12
Bonita	12/25/1994	4:00	0.08
Bonita	12/25/1994	8:00	0.04
Bonita	12/25/1994	13:00	0.08
Bonita	12/25/1994	23:00	0.04
Bonita	1/3/1995	11:00	0.04
Bonita	1/3/1995	13:00	0.32
Bonita	1/3/1995	14:00	0.16
Bonita	1/3/1995	15:00	0.12
Bonita	1/4/1995	6:00	0.04
Bonita	1/4/1995	9:00	0.04
Bonita	1/4/1995	11:00	0.04
Bonita	1/4/1995	12:00	0.04
Bonita	1/4/1995	14:00	0.04
Bonita	1/4/1995	15:00	0.04
Bonita	1/4/1995	16:00	0.12
Bonita	1/4/1995	17:00	0.28
Bonita	1/4/1995	18:00	0.12
Bonita	1/4/1995	19:00	0.28
Bonita	1/4/1995	20:00	0.2
Bonita	1/4/1995	21:00	0.12
Bonita	1/4/1995	23:00	0.04
Bonita	1/5/1995	4:00	0.04
Bonita	1/5/1995	9:00	0.06
Bonita	1/7/1995	19:00	0.01
Bonita	1/7/1995	20:00	0.03
Bonita	1/7/1995	21:00	0.02
Bonita	1/7/1995	22:00	0.08
Bonita	1/7/1995	24:00	0.04
Bonita	1/8/1995	1:00	0.07
Bonita	1/8/1995	2:00	0.07
Bonita	1/8/1995	3:00	0.04
Bonita	1/8/1995	4:00	0.01
Bonita	1/8/1995	5:00	0.01
Bonita	1/8/1995	6:00	0.01
Bonita	1/8/1995	7:00	0.01
Bonita	1/8/1995	8:00	0.01
Bonita	1/10/1995	17:00	0.05
Bonita	1/10/1995	18:00	0.01
Bonita	1/10/1995	19:00	0.21
Bonita	1/10/1995	20:00	0.17
Bonita	1/10/1995	21:00	0.12
Bonita	1/10/1995	22:00	0.06
Bonita	1/10/1995	23:00	0.04
Bonita	1/11/1995	1:00	0.01
Bonita	1/11/1995	12:00	0.01
Bonita	1/11/1995	13:00	0.06
Bonita	1/11/1995	15:00	0.08
Bonita	1/12/1995	5:00	0.01

Bonita	1/12/1995	6:00	0.04
Bonita	1/12/1995	7:00	0.1
Bonita	1/12/1995	8:00	0.08
Bonita	1/12/1995	9:00	0.08
Bonita	1/12/1995	10:00	0.04
Bonita	1/12/1995	11:00	0.04
Bonita	1/12/1995	12:00	0.04
Bonita	1/12/1995	13:00	0.04
Bonita	1/12/1995	18:00	0.12
Bonita	1/15/1995	4:00	0.04
Bonita	1/16/1995	9:00	0.04
Bonita	1/16/1995	12:00	0.04
Bonita	1/16/1995	24:00	0.04
Bonita	1/17/1995	3:00	0.04
Bonita	1/21/1995	3:00	0.08
Bonita	1/21/1995	4:00	0.04
Bonita	1/23/1995	21:00	0.04
Bonita	1/23/1995	24:00	0.04
Bonita	1/24/1995	1:00	0.04
Bonita	1/24/1995	4:00	0.04
Bonita	1/25/1995	7:00	0.2
Bonita	1/25/1995	8:00	0.12
Bonita	1/25/1995	10:00	0.08
Bonita	1/25/1995	13:00	0.04
Bonita	1/25/1995	14:00	0.04
Bonita	1/25/1995	15:00	0.12
Bonita	1/25/1995	16:00	0.08
Bonita	1/25/1995	19:00	0.28
Bonita	1/25/1995	20:00	0.2
Bonita	1/25/1995	22:00	0.04
Bonita	1/26/1995	1:00	0.04
Bonita	2/13/1995	21:00	0.08
Bonita	2/14/1995	1:00	0.04
Bonita	2/14/1995	3:00	0.04
Bonita	2/14/1995	4:00	0.04
Bonita	2/14/1995	5:00	0.04
Bonita	2/14/1995	6:00	0.04
Bonita	2/14/1995	7:00	0.08
Bonita	2/14/1995	8:00	0.2
Bonita	2/14/1995	9:00	0.16
Bonita	2/14/1995	10:00	0.24
Bonita	2/14/1995	11:00	0.12
Bonita	2/14/1995	12:00	0.2
Bonita	2/14/1995	13:00	0.08
Bonita	2/14/1995	17:00	0.04
Bonita	2/14/1995	18:00	0.08
Bonita	2/14/1995	21:00	0.08
Bonita	2/17/1995	6:00	0.04
Bonita	2/24/1995	19:00	0.04
Bonita	3/2/1995	22:00	0.04

Bonita	3/3/1995	18:00	0.04
Bonita	3/4/1995	8:00	0.04
Bonita	3/5/1995	1:00	0.04
Bonita	3/5/1995	3:00	0.04
Bonita	3/5/1995	6:00	0.04
Bonita	3/5/1995	8:00	0.08
Bonita	3/5/1995	9:00	0.08
Bonita	3/5/1995	12:00	0.16
Bonita	3/5/1995	13:00	0.08
Bonita	3/5/1995	14:00	0.12
Bonita	3/5/1995	15:00	0.24
Bonita	3/5/1995	16:00	0.08
Bonita	3/5/1995	17:00	0.16
Bonita	3/5/1995	18:00	0.04
Bonita	3/5/1995	19:00	0.12
Bonita	3/5/1995	20:00	0.12
Bonita	3/5/1995	21:00	0.06
Bonita	3/5/1995	22:00	0.04
Bonita	3/5/1995	24:00	0.04
Bonita	3/6/1995	2:00	0.04
Bonita	3/6/1995	3:00	0.04
Bonita	3/7/1995	1:00	0.04
Bonita	3/11/1995	1:00	0.08
Bonita	3/11/1995	2:00	0.16
Bonita	3/11/1995	3:00	0.16
Bonita	3/11/1995	4:00	0.08
Bonita	3/11/1995	5:00	0.04
Bonita	3/11/1995	6:00	0.2
Bonita	3/11/1995	7:00	0.04
Bonita	3/11/1995	18:00	0.12
Bonita	3/11/1995	22:00	0.16
Bonita	3/11/1995	23:00	0.2
Bonita	3/21/1995	11:00	0.32
Bonita	3/21/1995	12:00	0.12
Bonita	3/21/1995	13:00	0.04
Bonita	3/21/1995	14:00	0.08
Bonita	3/22/1995	10:00	0.08
Bonita	3/23/1995	10:00	0.04
Bonita	3/23/1995	12:00	0.12
Bonita	4/16/1995	5:00	0.13
Bonita	4/16/1995	6:00	0.06
Bonita	4/16/1995	7:00	0.07
Bonita	4/16/1995	8:00	0.16
Bonita	4/18/1995	9:00	0.08
Bonita	4/18/1995	10:00	0.07
Bonita	4/18/1995	11:00	0.07
Bonita	4/18/1995	12:00	0.06
Bonita	4/18/1995	13:00	0.12
Bonita	4/19/1995	1:00	0.04
Bonita	4/19/1995	6:00	0.04

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Bonita	5/5/1995	15:00	0.04
Bonita	5/5/1995	20:00	0.08
Bonita	5/6/1995	1:00	0.04
Bonita	5/6/1995	3:00	0.04
Bonita	5/6/1995	5:00	0.08
Bonita	5/6/1995	8:00	0.08
Bonita	5/13/1995	16:00	0.04
Bonita	6/15/1995	21:00	0.04
Bonita	6/15/1995	22:00	0.08
Bonita	6/15/1995	23:00	0.04
Bonita	6/16/1995	1:00	0.04
Bonita	6/16/1995	4:00	0.04
Bonita	6/16/1995	17:00	0.04
Bonita	6/17/1995	12:00	0.04
Bonita	11/1/1995	10:00	0.04
Bonita	11/1/1995	12:00	0.08
Bonita	12/13/1995	22:00	0.04
Bonita	12/16/1995	4:00	0.04
Bonita	12/20/1995	15:00	0.04
Bonita	12/23/1995	10:00	0.04
Bonita	12/23/1995	11:00	0.12
Bonita	1/16/1996	19:00	0.04
Bonita	1/16/1996	20:00	0.08
Bonita	1/16/1996	21:00	0.04
Bonita	1/16/1996	22:00	0.04
Bonita	1/21/1996	18:00	0.08
Bonita	1/21/1996	19:00	0.18
Bonita	1/21/1996	20:00	0.04
Bonita	1/25/1996	13:00	0.04
Bonita	1/25/1996	19:00	0.04
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Bonita	1/31/1996	6:00	0.04
Bonita	1/31/1996	8:00	0.08
Bonita	1/31/1996	16:00	0.12
Bonita	1/31/1996	19:00	0.08
Bonita	1/31/1996	21:00	0.08
Bonita	1/31/1996	23:00	0.12
Bonita	2/1/1996	1:00	0.04
Bonita	2/1/1996	3:00	0.04
Bonita	2/1/1996	5:00	0.16
Bonita	2/1/1996	22:00	0.04
Bonita	2/12/1996	20:00	0.12
Bonita	2/21/1996	24:00	0.04
Bonita	2/22/1996	1:00	0.04
Bonita	2/25/1996	8:00	0.04
Bonita	2/25/1996	9:00	0.01
Bonita	2/25/1996	10:00	0.14
Bonita	2/25/1996	16:00	0.08
Bonita	2/25/1996	20:00	0.04

Bonita	2/25/1996	22:00	0.04
Bonita	2/25/1996	24:00	0.12
Bonita	2/26/1996	3:00	0.04
Bonita	2/26/1996	4:00	0.04
Bonita	2/27/1996	21:00	0.08
Bonita	2/28/1996	5:00	0.04
Bonita	3/4/1996	23:00	0.04
Bonita	3/5/1996	6:00	0.08
Bonita	3/12/1996	17:00	0.2
Bonita	3/12/1996	19:00	0.04
Bonita	3/12/1996	24:00	0.04
Bonita	3/13/1996	2:00	0.08
Bonita	3/13/1996	5:00	0.16
Bonita	3/13/1996	7:00	0.12
Bonita	3/13/1996	8:00	0.04
Bonita	3/13/1996	9:00	0.04
Bonita	3/13/1996	10:00	0.2
Bonita	3/13/1996	19:00	0.04
Bonita	3/13/1996	20:00	0.04
Bonita	3/13/1996	22:00	0.04
Bonita	3/13/1996	24:00	0.04
Bonita	4/1/1996	23:00	0.04
Bonita	4/17/1996	6:00	0.04
Bonita	4/17/1996	7:00	0.04
Bonita	4/18/1996	2:00	0.04
Bonita	4/18/1996	3:00	0.2
Bonita	9/26/1996	5:00	0.04
Bonita	10/26/1996	1:00	0.04
Bonita	10/26/1996	2:00	0.2
Bonita	10/26/1996	3:00	0.24
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Bonita	10/30/1996	15:00	0.2
Bonita	10/30/1996	16:00	0.12
Bonita	10/30/1996	17:00	0.08
Bonita	11/21/1996	16:00	0.08
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Bonita	11/21/1996	19:00	0.12
Bonita	11/21/1996	20:00	0.08
Bonita	11/21/1996	21:00	0.04
Bonita	11/21/1996	22:00	0.08
Bonita	11/21/1996	23:00	0.04
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Bonita	11/22/1996	5:00	0.04
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Bonita	11/22/1996	22:00	0.04
Bonita	11/23/1996	5:00	0.04
Bonita	11/28/1996	20:00	0.04
Bonita	12/5/1996	21:00	0.04
Bonita	12/5/1996	23:00	0.04
Bonita	12/5/1996	24:00	0.04
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Bonita	12/6/1996	5:00	0.08
Bonita	12/6/1996	16:00	0.04
Bonita	12/7/1996	7:00	0.04
Bonita	12/9/1996	15:00	0.04
Bonita	12/9/1996	18:00	0.12
Bonita	12/10/1996	6:00	0.04
Bonita	12/10/1996	7:00	0.04
Bonita	12/10/1996	8:00	0.04
Bonita	12/11/1996	14:00	0.04
Bonita	12/11/1996	15:00	0.04
Bonita	12/11/1996	17:00	0.08
Bonita	12/22/1996	17:00	0.04
Bonita	12/23/1996	5:00	0.04
Bonita	12/28/1996	1:00	0.04
Bonita	1/3/1997	7:00	0.02
Bonita	1/12/1997	11:00	0.02
Bonita	1/12/1997	12:00	0.07
Bonita	1/12/1997	13:00	0.12
Bonita	1/12/1997	14:00	0.03
Bonita	1/12/1997	15:00	0.13
Bonita	1/12/1997	16:00	0.34
Bonita	1/12/1997	17:00	0.08
Bonita	1/12/1997	18:00	0.03
Bonita	1/12/1997	19:00	0.02
Bonita	1/12/1997	20:00	0.03
Bonita	1/12/1997	21:00	0.04
Bonita	1/13/1997	2:00	0.02
Bonita	1/13/1997	4:00	0.1
Bonita	1/13/1997	6:00	0.03
Bonita	1/15/1997	18:00	0.03
Bonita	1/15/1997	20:00	0.16
Bonita	1/15/1997	21:00	0.04
Bonita	1/15/1997	22:00	0.04
Bonita	1/16/1997	5:00	0.04
Bonita	1/23/1997	6:00	0.04
Bonita	1/23/1997	7:00	0.12
Bonita	1/23/1997	8:00	0.04
Bonita	1/23/1997	9:00	0.08
Bonita	1/23/1997	10:00	0.04
Bonita	1/23/1997	13:00	0.04
Bonita	1/25/1997	22:00	0.2

Bonita	1/25/1997	23:00	0.16
Bonita	1/25/1997	24:00	0.04
Bonita	1/26/1997	1:00	0.12
Bonita	1/26/1997	2:00	0.08
Bonita	1/26/1997	3:00	0.04
Bonita	1/26/1997	5:00	0.04
Bonita	1/26/1997	17:00	0.04
Bonita	1/26/1997	22:00	0.04
Bonita	1/27/1997	7:00	0.04
Bonita	2/10/1997	18:00	0.04
Bonita	2/10/1997	19:00	0.12
Bonita	2/10/1997	20:00	0.12
Bonita	2/18/1997	3:00	0.04
Bonita	2/28/1997	3:00	0.04
Bonita	4/2/1997	12:00	0.24
Bonita	4/2/1997	13:00	0.08
Bonita	4/2/1997	20:00	0.04
Bonita	4/3/1997	17:00	0.04
Bonita	4/3/1997	18:00	0.08
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Bonita	9/3/1998	4:00	0.04
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Bonita	11/8/1998	15:00	0.04
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Bonita	11/28/1998	11:00	0.04
Bonita	11/28/1998	19:00	0.08
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Bonita	12/1/1998	17:00	0.04
Bonita	12/1/1998	18:00	0.04
Bonita	12/3/1998	23:00	0.04
Bonita	12/3/1998	24:00	0.08
Bonita	12/5/1998	1:00	0.04
Bonita	12/5/1998	5:00	0.04
Bonita	12/6/1998	5:00	0.04
Bonita	12/6/1998	6:00	0.16
Bonita	12/19/1998	10:00	0.04
Bonita	12/19/1998	20:00	0.08
Bonita	1/20/1999	6:00	0.04
Bonita	1/20/1999	8:00	0.04
Bonita	1/20/1999	16:00	0.08
Bonita	1/20/1999	23:00	0.04
Bonita	1/21/1999	5:00	0.04

Bonita	1/25/1999	3:00	0.12
Bonita	1/25/1999	4:00	0.04
Bonita	1/25/1999	5:00	0.04
Bonita	1/25/1999	6:00	0.08
Bonita	1/25/1999	7:00	0.12
Bonita	1/25/1999	9:00	0.08
Bonita	1/25/1999	11:00	0.08
Bonita	1/25/1999	13:00	0.08
Bonita	1/25/1999	14:00	0.16
Bonita	1/25/1999	15:00	0.2
Bonita	1/25/1999	17:00	0.2
Bonita	1/25/1999	18:00	0.08
Bonita	1/25/1999	22:00	0.04
Bonita	1/26/1999	1:00	0.04
Bonita	1/26/1999	12:00	0.04
Bonita	1/26/1999	13:00	0.04
Bonita	1/26/1999	14:00	0.04
Bonita	1/26/1999	15:00	0.04
Bonita	1/26/1999	16:00	0.08
Bonita	1/26/1999	22:00	0.12
Bonita	1/26/1999	23:00	0.08
Bonita	1/27/1999	2:00	0.04
Bonita	1/27/1999	3:00	0.04
Bonita	2/4/1999	7:00	0.04
Bonita	2/4/1999	13:00	0.08
Bonita	2/4/1999	14:00	0.08
Bonita	2/4/1999	15:00	0.12
Bonita	2/5/1999	2:00	0.04
Bonita	2/5/1999	6:00	0.04
Bonita	2/5/1999	11:00	0.04
Bonita	2/9/1999	19:00	0.04
Bonita	3/3/1999	24:00	0.04
Bonita	3/4/1999	1:00	0.04
Bonita	3/7/1999	2:00	0.04
Bonita	3/7/1999	9:00	0.04
Bonita	3/11/1999	11:00	0.04
Bonita	3/11/1999	12:00	0.08
Bonita	3/15/1999	8:00	0.04
Bonita	3/15/1999	9:00	0.04
Bonita	3/15/1999	10:00	0.08
Bonita	3/15/1999	21:00	0.04
Bonita	3/23/1999	12:00	0.04
Bonita	3/23/1999	21:00	0.04
Bonita	3/25/1999	13:00	0.08
Bonita	3/25/1999	15:00	0.12
Bonita	3/25/1999	16:00	0.12
Bonita	3/25/1999	17:00	0.04
Bonita	3/25/1999	19:00	0.04
Bonita	3/25/1999	22:00	0.04
Bonita	4/1/1999	11:00	0.04

Bonita	4/1/1999	12:00	0.08
Bonita	4/1/1999	13:00	0.08
Bonita	4/1/1999	14:00	0.04
Bonita	4/1/1999	15:00	0.16
Bonita	4/1/1999	16:00	0.08
Bonita	4/1/1999	17:00	0.08
Bonita	4/1/1999	18:00	0.04
Bonita	4/1/1999	22:00	0.04
Bonita	4/3/1999	18:00	0.08
Bonita	4/6/1999	20:00	0.04
Bonita	4/7/1999	5:00	0.04
Bonita	4/7/1999	9:00	0.08
Bonita	4/11/1999	20:00	0.08
Bonita	4/11/1999	22:00	0.04
Bonita	4/12/1999	1:00	0.24
Bonita	4/12/1999	2:00	0.2
Bonita	4/12/1999	3:00	0.08
Bonita	6/3/1999	8:00	0.04
Bonita	6/3/1999	23:00	0.04
Bonita	7/8/1999	7:00	0.16
Bonita	8/27/1999	17:00	0.12
Bonita	9/21/1999	24:00	0.04
Bonita	2/11/2000	10:00	0.01
Bonita	2/11/2000	11:00	0.01
Bonita	2/11/2000	12:00	0.01
Bonita	2/11/2000	13:00	0.01
Bonita	2/11/2000	14:00	0.01
Bonita	2/11/2000	15:00	0.02
Bonita	2/11/2000	16:00	0.07
Bonita	2/11/2000	17:00	0.01
Bonita	2/11/2000	18:00	0.01
Bonita	2/11/2000	19:00	0.01
Bonita	2/12/2000	1:00	0.01
Bonita	2/12/2000	2:00	0.01
Bonita	2/12/2000	3:00	0.01
Bonita	2/12/2000	4:00	0.01
Bonita	2/12/2000	5:00	0.01
Bonita	2/12/2000	6:00	0.01
Bonita	2/12/2000	7:00	0.01
Bonita	2/12/2000	8:00	0.01
Bonita	2/12/2000	9:00	0.01
Bonita	2/12/2000	10:00	0.01
Bonita	2/12/2000	11:00	0.02
Bonita	2/12/2000	12:00	0.02
Bonita	2/12/2000	13:00	0.02
Bonita	2/12/2000	14:00	0.03
Bonita	2/12/2000	15:00	0.05
Bonita	2/12/2000	16:00	0.17
Bonita	2/12/2000	17:00	0.03
Bonita	2/12/2000	18:00	0.02

Bonita	2/12/2000	19:00	0.01
Bonita	2/12/2000	20:00	0.01
Bonita	2/12/2000	21:00	0.01
Bonita	2/12/2000	22:00	0.01
Bonita	2/12/2000	23:00	0.01
Bonita	2/12/2000	24:00	0.01
Bonita	2/13/2000	10:00	0.01
Bonita	2/13/2000	11:00	0.01
Bonita	2/13/2000	12:00	0.01
Bonita	2/13/2000	13:00	0.01
Bonita	2/13/2000	14:00	0.01
Bonita	2/13/2000	15:00	0.02
Bonita	2/13/2000	16:00	0.07
Bonita	2/13/2000	17:00	0.01
Bonita	2/13/2000	18:00	0.01
Bonita	2/13/2000	19:00	0.01
Bonita	2/16/2000	16:00	0.01
Bonita	2/17/2000	12:00	0.01
Bonita	2/17/2000	13:00	0.01
Bonita	2/17/2000	14:00	0.01
Bonita	2/17/2000	15:00	0.01
Bonita	2/17/2000	16:00	0.05
Bonita	2/17/2000	17:00	0.01
Bonita	2/20/2000	4:00	0.01
Bonita	2/20/2000	5:00	0.01
Bonita	2/20/2000	6:00	0.01
Bonita	2/20/2000	7:00	0.01
Bonita	2/20/2000	8:00	0.01
Bonita	2/20/2000	9:00	0.01
Bonita	2/20/2000	10:00	0.01
Bonita	2/20/2000	11:00	0.01
Bonita	2/20/2000	12:00	0.01
Bonita	2/20/2000	13:00	0.01
Bonita	2/20/2000	14:00	0.02
Bonita	2/20/2000	15:00	0.03
Bonita	2/20/2000	16:00	0.1
Bonita	2/20/2000	17:00	0.02
Bonita	2/20/2000	18:00	0.01
Bonita	2/20/2000	19:00	0.01
Bonita	2/20/2000	20:00	0.01
Bonita	2/20/2000	21:00	0.01
Bonita	2/21/2000	4:00	0.01
Bonita	2/21/2000	5:00	0.01
Bonita	2/21/2000	6:00	0.01
Bonita	2/21/2000	7:00	0.01
Bonita	2/21/2000	8:00	0.01
Bonita	2/21/2000	9:00	0.01
Bonita	2/21/2000	10:00	0.01
Bonita	2/21/2000	11:00	0.01
Bonita	2/21/2000	12:00	0.01

Bonita	2/21/2000	13:00	0.01
Bonita	2/21/2000	14:00	0.02
Bonita	2/21/2000	15:00	0.03
Bonita	2/21/2000	16:00	0.1
Bonita	2/21/2000	17:00	0.02
Bonita	2/21/2000	18:00	0.01
Bonita	2/21/2000	19:00	0.01
Bonita	2/21/2000	20:00	0.01
Bonita	2/21/2000	21:00	0.01
Bonita	2/22/2000	1:00	0.01
Bonita	2/22/2000	2:00	0.01
Bonita	2/22/2000	3:00	0.01
Bonita	2/22/2000	4:00	0.01
Bonita	2/22/2000	5:00	0.01
Bonita	2/22/2000	6:00	0.01
Bonita	2/22/2000	7:00	0.01
Bonita	2/22/2000	8:00	0.01
Bonita	2/22/2000	9:00	0.02
Bonita	2/22/2000	10:00	0.02
Bonita	2/22/2000	11:00	0.02
Bonita	2/22/2000	12:00	0.03
Bonita	2/22/2000	13:00	0.03
Bonita	2/22/2000	14:00	0.04
Bonita	2/22/2000	15:00	0.06
Bonita	2/22/2000	16:00	0.21
Bonita	2/22/2000	17:00	0.03
Bonita	2/22/2000	18:00	0.02
Bonita	2/22/2000	19:00	0.02
Bonita	2/22/2000	20:00	0.01
Bonita	2/22/2000	21:00	0.01
Bonita	2/22/2000	22:00	0.01
Bonita	2/22/2000	23:00	0.01
Bonita	2/22/2000	24:00	0.01
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Bonita	2/24/2000	12:00	0.01
Bonita	2/24/2000	13:00	0.01
Bonita	2/24/2000	14:00	0.01
Bonita	2/24/2000	15:00	0.02
Bonita	2/24/2000	16:00	0.07
Bonita	2/24/2000	17:00	0.01
Bonita	2/24/2000	18:00	0.01
Bonita	2/24/2000	19:00	0.01
Bonita	2/28/2000	16:00	0.01
Bonita	3/1/2000	15:00	0.01
Bonita	3/1/2000	16:00	0.02
Bonita	3/3/2000	16:00	0.01
Bonita	3/4/2000	16:00	0.01
Bonita	3/5/2000	1:00	0.01
Bonita	3/5/2000	2:00	0.01

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Bonita	3/5/2000	4:00	0.01
Bonita	3/5/2000	5:00	0.01
Bonita	3/5/2000	6:00	0.02
Bonita	3/5/2000	7:00	0.02
Bonita	3/5/2000	8:00	0.02
Bonita	3/5/2000	9:00	0.02
Bonita	3/5/2000	10:00	0.02
Bonita	3/5/2000	11:00	0.02
Bonita	3/5/2000	12:00	0.03
Bonita	3/5/2000	13:00	0.04
Bonita	3/5/2000	14:00	0.05
Bonita	3/5/2000	15:00	0.08
Bonita	3/5/2000	16:00	0.27
Bonita	3/5/2000	17:00	0.04
Bonita	3/5/2000	18:00	0.03
Bonita	3/5/2000	19:00	0.02
Bonita	3/5/2000	20:00	0.02
Bonita	3/5/2000	21:00	0.01
Bonita	3/5/2000	22:00	0.01
Bonita	3/5/2000	23:00	0.01
Bonita	3/5/2000	24:00	0.01
Bonita	3/6/2000	16:00	0.01
Bonita	3/8/2000	10:00	0.01
Bonita	3/8/2000	11:00	0.01
Bonita	3/8/2000	12:00	0.01
Bonita	3/8/2000	13:00	0.01
Bonita	3/8/2000	14:00	0.01
Bonita	3/8/2000	15:00	0.02
Bonita	3/8/2000	16:00	0.07
Bonita	3/8/2000	17:00	0.01
Bonita	3/8/2000	18:00	0.01
Bonita	3/8/2000	19:00	0.01
Bonita	3/10/2000	7:00	0.04
Bonita	4/17/2000	17:00	0.16
Bonita	4/17/2000	18:00	0.12
Bonita	4/17/2000	19:00	0.12
Bonita	4/17/2000	20:00	0.08
Bonita	4/22/2000	3:00	0.04
Bonita	6/25/2000	9:00	0.04
Bonita	6/28/2000	10:00	0.04
Bonita	6/28/2000	11:00	0.08
Bonita	4/20/2001	24:00	0.04
Bonita	4/21/2001	1:00	0.04
Bonita	4/21/2001	2:00	0.04
Bonita	4/21/2001	4:00	0.08
Bonita	4/21/2001	5:00	0.04
Bonita	4/21/2001	10:00	0.04
Bonita	4/21/2001	13:00	0.04
Bonita	5/29/2001	23:00	0.04

Bonita	1/28/2002	5:00	0.12
Bonita	1/28/2002	6:00	0.08
Bonita	1/28/2002	24:00	0.04
Bonita	1/29/2002	7:00	0.04
Bonita	1/29/2002	11:00	0.04
Bonita	1/29/2002	18:00	0.04
Bonita	1/29/2002	21:00	0.04
Bonita	2/19/2002	11:00	0.08
Bonita	3/7/2002	17:00	0.16
Bonita	3/7/2002	23:00	0.04
Bonita	3/16/2002	5:00	0.04
Bonita	3/17/2002	23:00	0.2
Bonita	3/17/2002	24:00	0.04
Bonita	3/18/2002	5:00	0.04
Bonita	3/24/2002	1:00	0.04
Bonita	3/24/2002	2:00	0.04
Bonita	4/6/2002	6:00	0.04
Bonita	4/24/2002	10:00	0.04
Bonita	4/24/2002	12:00	0.12
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Bonita	2/8/2003	12:00	0.01
Bonita	2/8/2003	13:00	0.01
Bonita	2/8/2003	14:00	0.01
Bonita	2/8/2003	15:00	0.01
Bonita	2/8/2003	16:00	0.05
Bonita	2/8/2003	17:00	0.01
Bonita	3/15/2003	2:00	0.16
Bonita	3/15/2003	15:00	0.04
Bonita	3/15/2003	16:00	0.28
Bonita	3/15/2003	17:00	0.2
Bonita	3/15/2003	18:00	0.2
Bonita	3/15/2003	19:00	0.12
Bonita	3/15/2003	20:00	0.04
Bonita	3/15/2003	21:00	0.04
Bonita	3/15/2003	23:00	0.04
Bonita	3/15/2003	24:00	0.12
Bonita	3/16/2003	1:00	0.24
Bonita	3/16/2003	2:00	0.04
Bonita	3/16/2003	3:00	0.08
Bonita	3/16/2003	5:00	0.08
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Bonita	4/14/2003	15:00	0.04
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Bonita	4/14/2003	17:00	0.16
Bonita	4/14/2003	18:00	0.2
Bonita	4/14/2003	19:00	0.16

Bonita	4/14/2003	23:00	0.08
Bonita	4/15/2003	1:00	0.04
Bonita	4/15/2003	6:00	0.04
Bonita	4/17/2003	9:00	0.04
Bonita	4/17/2003	15:00	0.12
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Bonita	5/3/2003	6:00	0.04
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Bonita	5/3/2003	13:00	0.12
Bonita	5/8/2003	6:00	0.04
Bonita	6/20/2003	5:00	0.04
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Bonita	11/12/2003	4:00	0.08
Bonita	11/12/2003	5:00	0.04
Bonita	11/12/2003	6:00	0.08
Bonita	11/12/2003	7:00	0.08
Bonita	11/12/2003	8:00	0.08
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Bonita	12/7/2003	24:00	0.08
Bonita	12/24/2003	24:00	0.08
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Bonita	12/25/2003	17:00	0.04
Bonita	12/25/2003	18:00	0.04
Bonita	12/25/2003	19:00	0.04
Bonita	12/26/2003	9:00	0.04
Bonita	1/2/2004	19:00	0.04
Bonita	1/2/2004	22:00	0.16
Bonita	1/2/2004	23:00	0.08
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Bonita	2/21/2004	16:00	0.04
Bonita	2/21/2004	18:00	0.04
Bonita	2/22/2004	8:00	0.08
Bonita	2/22/2004	9:00	0.24

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Bonita	2/23/2004	21:00	0.04
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Bonita	2/26/2004	9:00	0.04
Bonita	2/26/2004	11:00	0.04
Bonita	2/27/2004	6:00	0.04
Bonita	2/28/2004	3:00	0.04
Bonita	3/1/2004	23:00	0.04
Bonita	3/1/2004	24:00	0.04
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Bonita	3/3/2004	12:00	0.04
Bonita	4/1/2004	22:00	0.04
Bonita	4/1/2004	23:00	0.16
Bonita	4/17/2004	11:00	0.04
Bonita	4/17/2004	12:00	0.12
Bonita	4/17/2004	13:00	0.04
Bonita	10/17/2004	3:00	0.08
Bonita	10/17/2004	4:00	0.12
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Bonita	10/18/2004	13:00	0.08
Bonita	10/18/2004	14:00	0.04
Bonita	10/19/2004	3:00	0.04
Bonita	10/19/2004	4:00	0.12
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Bonita	10/20/2004	20:00	0.08
Bonita	10/20/2004	21:00	0.04
Bonita	10/21/2004	4:00	0.08
Bonita	10/21/2004	5:00	0.12
Bonita	10/27/2004	4:00	0.08
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Bonita	10/27/2004	6:00	0.24
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Bonita	10/28/2004	11:00	0.08
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Bonita	12/5/2004	11:00	0.04
Bonita	12/7/2004	22:00	0.04
Bonita	12/7/2004	23:00	0.14
Bonita	12/7/2004	24:00	0.02
Bonita	12/8/2004	1:00	0.01
Bonita	12/8/2004	2:00	0.01
Bonita	12/8/2004	3:00	0.01
Bonita	12/8/2004	4:00	0.01
Bonita	12/8/2004	5:00	0.01
Bonita	12/8/2004	6:00	0.01
Bonita	12/8/2004	7:00	0.01
Bonita	12/8/2004	8:00	0.01
Bonita	12/8/2004	9:00	0.01
Bonita	12/8/2004	10:00	0.01
Bonita	12/8/2004	11:00	0.01
Bonita	12/8/2004	12:00	0.01
Bonita	12/8/2004	13:00	0.01
Bonita	12/8/2004	14:00	0.01
Bonita	12/8/2004	15:00	0.02
Bonita	12/8/2004	16:00	0.07
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Bonita	12/8/2004	18:00	0.01
Bonita	12/8/2004	19:00	0.01
Bonita	12/8/2004	20:00	0.01
Bonita	12/8/2004	21:00	0.01
Bonita	12/8/2004	22:00	0.01
Bonita	12/28/2004	8:00	0.12

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Bonita	12/28/2004	20:00	0.08
Bonita	12/28/2004	21:00	0.2
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Bonita	12/29/2004	1:00	0.2
Bonita	12/29/2004	2:00	0.2
Bonita	12/29/2004	3:00	0.28
Bonita	12/29/2004	4:00	0.2
Bonita	12/29/2004	9:00	0.04
Bonita	12/29/2004	16:00	0.04
Bonita	12/29/2004	20:00	0.04
Bonita	12/31/2004	16:00	0.08
Bonita	12/31/2004	17:00	0.12
Bonita	12/31/2004	18:00	0.04
Bonita	1/3/2005	5:00	0.04
Bonita	1/3/2005	6:00	0.04
Bonita	1/3/2005	7:00	0.16
Bonita	1/3/2005	8:00	0.24
Bonita	1/3/2005	9:00	0.44
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Bonita	1/4/2005	1:00	0.04
Bonita	1/4/2005	2:00	0.08
Bonita	1/4/2005	4:00	0.04
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Bonita	1/7/2005	10:00	0.08
Bonita	1/7/2005	11:00	0.04
Bonita	1/7/2005	13:00	0.12
Bonita	1/7/2005	14:00	0.04
Bonita	1/7/2005	21:00	0.04
Bonita	1/8/2005	6:00	0.04
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Bonita	1/9/2005	3:00	0.04
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Bonita	1/9/2005	8:00	0.04
Bonita	1/9/2005	18:00	0.04
Bonita	1/9/2005	19:00	0.08
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Bonita	1/10/2005	8:00	0.04
Bonita	1/11/2005	1:00	0.04
Bonita	1/11/2005	2:00	0.08
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Bonita	1/11/2005	7:00	0.24

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Bonita	1/28/2005	15:00	0.04
Bonita	1/28/2005	16:00	0.16
Bonita	1/28/2005	18:00	0.08
Bonita	1/29/2005	4:00	0.04
Bonita	2/10/2005	24:00	0.08
Bonita	2/11/2005	1:00	0.08
Bonita	2/11/2005	5:00	0.04
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Bonita	2/11/2005	7:00	0.04
Bonita	2/11/2005	9:00	0.28
Bonita	2/11/2005	10:00	0.08
Bonita	2/11/2005	11:00	0.04
Bonita	2/11/2005	12:00	0.04
Bonita	2/11/2005	14:00	0.04
Bonita	2/11/2005	16:00	0.04
Bonita	2/11/2005	17:00	0.04
Bonita	2/11/2005	20:00	0.08
Bonita	2/11/2005	23:00	0.08
Bonita	2/12/2005	1:00	0.04
Bonita	2/12/2005	4:00	0.04
Bonita	2/12/2005	5:00	0.08
Bonita	2/12/2005	6:00	0.08
Bonita	2/12/2005	7:00	0.08
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Bonita	2/12/2005	14:00	0.08
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Bonita	2/12/2005	16:00	0.04
Bonita	2/17/2005	24:00	0.04
Bonita	2/18/2005	3:00	0.2
Bonita	2/18/2005	4:00	0.12
Bonita	2/18/2005	5:00	0.08
Bonita	2/18/2005	6:00	0.04
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Bonita	2/19/2005	15:00	0.12
Bonita	2/20/2005	4:00	0.08
Bonita	2/20/2005	6:00	0.08
Bonita	2/20/2005	7:00	0.08
Bonita	2/20/2005	9:00	0.04
Bonita	2/21/2005	4:00	0.12
Bonita	2/21/2005	5:00	0.28
Bonita	2/21/2005	6:00	0.04
Bonita	2/21/2005	10:00	0.44
Bonita	2/21/2005	11:00	0.4
Bonita	2/21/2005	12:00	0.08
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Bonita	2/22/2005	1:00	0.08
Bonita	2/22/2005	2:00	0.04
Bonita	2/22/2005	6:00	0.08

Bonita	2/22/2005	7:00	0.04
Bonita	2/22/2005	16:00	0.04
Bonita	2/22/2005	17:00	0.08
Bonita	2/22/2005	18:00	0.12
Bonita	2/22/2005	19:00	0.04
Bonita	2/22/2005	20:00	0.2
Bonita	2/22/2005	23:00	0.12
Bonita	2/22/2005	24:00	0.36
Bonita	2/23/2005	2:00	0.08
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Bonita	3/4/2005	17:00	0.16
Bonita	3/4/2005	18:00	0.04
Bonita	3/4/2005	19:00	0.08
Bonita	3/4/2005	20:00	0.12
Bonita	3/4/2005	21:00	0.08
Bonita	3/4/2005	22:00	0.28
Bonita	3/4/2005	23:00	0.28
Bonita	3/4/2005	24:00	0.2
Bonita	3/5/2005	1:00	0.12
Bonita	3/5/2005	2:00	0.04
Bonita	3/14/2005	5:00	0.08
Bonita	3/20/2005	5:00	0.04
Bonita	3/22/2005	19:00	0.04
Bonita	3/22/2005	20:00	0.08
Bonita	3/22/2005	21:00	0.24
Bonita	3/22/2005	22:00	0.08
Bonita	3/22/2005	23:00	0.08
Bonita	3/23/2005	1:00	0.04
Bonita	3/24/2005	15:00	0.04
Bonita	4/8/2005	22:00	0.04
Bonita	4/24/2005	3:00	0.04
Bonita	4/28/2005	8:00	0.12
Bonita	4/28/2005	9:00	0.12
Bonita	4/28/2005	22:00	0.04
Bonita	9/20/2005	5:00	0.04
Bonita	10/17/2005	13:00	0.12
Bonita	10/17/2005	22:00	0.04
Bonita	10/17/2005	23:00	0.08
Bonita	10/17/2005	24:00	0.08
Bonita	10/18/2005	3:00	0.04
Bonita	10/18/2005	12:00	0.12
Bonita	12/3/2005	1:00	0.04
Bonita	1/1/2006	8:00	0.08
Bonita	1/1/2006	23:00	0.04
Bonita	1/2/2006	1:00	0.04
Bonita	1/2/2006	10:00	0.04
Bonita	1/2/2006	13:00	0.04
Bonita	1/2/2006	14:00	0.04
Bonita	1/2/2006	16:00	0.04

Bonita	2/19/2006	3:00	0.08
Bonita	2/19/2006	4:00	0.08
Bonita	2/19/2006	5:00	0.04
Bonita	2/19/2006	12:00	0.04
Bonita	2/27/2006	18:00	0.04
Bonita	2/27/2006	22:00	0.16
Bonita	2/27/2006	23:00	0.16
Bonita	2/27/2006	24:00	0.16
Bonita	2/28/2006	1:00	0.04
Bonita	2/28/2006	2:00	0.04
Bonita	2/28/2006	3:00	0.04
Bonita	2/28/2006	7:00	0.12
Bonita	2/28/2006	8:00	0.04
Bonita	2/28/2006	9:00	0.08
Bonita	2/28/2006	10:00	0.08
Bonita	2/28/2006	11:00	0.04
Bonita	3/7/2006	3:00	0.04
Bonita	3/7/2006	4:00	0.04
Bonita	3/10/2006	20:00	0.12
Bonita	3/10/2006	23:00	0.04
Bonita	3/11/2006	1:00	0.04
Bonita	3/11/2006	2:00	0.2
Bonita	3/11/2006	5:00	0.08
Bonita	3/11/2006	6:00	0.08
Bonita	3/11/2006	8:00	0.04
Bonita	3/11/2006	12:00	0.12
Bonita	3/11/2006	13:00	0.04
Bonita	3/13/2006	3:00	0.04
Bonita	3/17/2006	22:00	0.04
Bonita	3/17/2006	23:00	0.04
Bonita	3/19/2006	1:00	0.04
Bonita	3/19/2006	19:00	0.04
Bonita	3/19/2006	20:00	0.04
Bonita	3/19/2006	22:00	0.04
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NODES ALL
LINKS ALL

[TAGS]

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2                3266.440           8161.711

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2-WQ             -2759.089          7373.321
2-1              3210.968           8295.299
2-1              12.485             8679.117
2-1              -3519.753          8089.484
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2-2	317.017	8352.334
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2-3	428.269	8191.020
2-3	-3103.969	7818.327
2-4	2925.867	7962.954
2-4	383.768	8046.393
2-4	-2887.028	7684.825
2-6	2953.680	7796.077
2-6	495.020	7901.766
2-6	-2792.464	7540.198
2-5	239.141	8491.399
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1-WQ	-3927.588	6778.325
1-1	-3703.318	10603.769
1-1	-4020.385	6721.089
1-2	-3803.444	10753.959
1-2	-4159.449	6682.151
1-3	-3792.319	10837.398
1-3	-3859.070	10809.585
1-3	-4265.138	6498.586
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1-4	-3736.693	10887.461
1-4	-4009.260	10837.398
1-4	-4354.139	6331.709
1-4	-3753.381	6637.651
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1-5	-4114.949	10859.648
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1-6	-4231.763	10881.898
1-6	-4459.828	6031.329
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1-8	-4443.141	11020.963
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1-13             -4676.356          5044.335
1-13             -3996.553          5674.877
1-14             -3011.332          12049.261
1-14             -5819.214          11231.527
1-14             -4705.913          4857.143
1-14             -3986.701          5576.355
1-15             -2883.253          12216.749
1-15             -6193.598          11399.015
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1-17             -2646.800          12423.645
1-17             -6952.218          11477.833
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1-18             -2390.642          12423.645
1-18             -7149.263          11586.207
1-18             -4774.879          3724.138
1-18             -4134.484          4758.621
1-19             -2035.962          12384.236
1-19             -7651.726          11822.660
1-19             -4774.879          3389.163
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1-20             -1858.622          12423.645
1-20             -8292.120          12029.557
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TG1              -3395.568          10137.931
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BMP2             954.071            9346.327
SUB2             1481.953           6399.551
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SUB2	3433.643	6377.456
SUB2	3669.319	6274.348
SUB2	5238.035	6259.618
SUB2	5298.154	8175.723
SUB2	5732.520	8245.782
SUB2	5760.544	9198.586
SUB2	2019.388	9282.656
SUB2	1963.341	8736.196
SUB2	940.478	8694.160
SUB2	951.682	6392.186
SUB1	9363.686	12207.096
SUB1	7359.996	12865.652
SUB1	6841.559	12795.592
SUB1	4095.242	12907.687
SUB1	-598.717	12963.734
SUB1	-584.705	12193.084
SUB1	-1551.521	12179.072
SUB1	-1663.615	11828.777
SUB1	-1719.662	6784.522
SUB1	-1588.113	6446.089
SUB1	899.338	6398.522
SUB1	942.583	9474.791
SUB1	5846.720	9292.638
SUB1	5818.696	8129.657
SUB1	5468.401	8157.681
SUB1	5412.353	6224.050
SUB1	3635.359	6176.307
SUB1	3260.371	6301.303
SUB1	1232.661	6301.303
SUB1	1741.257	5985.849
SUB1	1278.867	5635.553
SUB1	-1649.603	5579.506
SUB1	-1831.757	5327.293
SUB1	-1817.745	1586.138
SUB1	-1635.591	1319.913
SUB1	578.276	1277.878
SUB1	1390.961	1067.700
SUB1	2722.084	1123.748
SUB1	4053.207	353.098
SUB1	4627.691	409.145
SUB1	4627.691	1025.665
SUB1	8635.072	1011.653
SUB1	8859.261	1277.878
SUB1	8915.308	5705.612
SUB1	9279.615	5971.837
BMP1	-1343.448	13696.379
BMP1	-600.822	13710.391
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BMP1	6419.099	13107.883
BMP1	6881.489	12855.670

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SUB3              -2292.081          6693.880
SUB3              -2296.252          4967.016
SUB3              -1848.121          5505.985
SUB3              -1637.696          5681.619
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SUB3              1564.656           6002.204
SUB3              1150.656           6298.139
SUB3              -1511.590          6326.163
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2                 3266.440           8161.711

[SYMBOLS]
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[BACKDROP]
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DIMENSIONS -4050.441 0.000 11241.877 13985.650
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Attachment 5

Flow Frequency Statistical Analysis

Peak Flow Frequency Summary

POC-1	Pre-project Qpeak (cfs)	Post-project - Qpeak (cfs)
LF = 0.3xQ2	3.987	0.007
2-year	13.292	0.023
5-year	17.961	0.154
10-year	19.787	1.869

SWMM Model Flow Coefficient Calculation

BMP-1

PARAMETER	ABBREV.	Bio-Retention Cell LID BMP	
Ponding Depth	PD	6	in
Bioretention Soil Layer	S	30	in
Gravel Layer	G	12	in
TOTAL		4.0 48	ft in
Orifice Coefficient	c_g	0.6	--
Low Flow Orifice Diameter	D	2	in
Drain exponent	n	0.5	--
Flow Rate (volumetric)	Q	0.208	cfs
Ponding Depth Surface Area	A_{PD}	**41278.83**	ft^2
Bioretention Surface Area	A_S, A_G	**38925.03**	ft^2
	A_S, A_G	0.8936	ac
Flow Rate (per unit area)	q	0.231	in/hr
Effective Ponding Depth	PD_{eff}	**6.18**	in
Flow Coefficient	C	**0.033655**	--

494	**38925.03**	STORG. START
494.75	**41278.83**	0
495	42075	0.25
496	45298	1.25
497	48584	2.25
498	51935	3.25
499	55351	4.25
500	58829	5.25
		MAX DEPTH
		5.25

SWMM Model Flow Coefficient Calculation

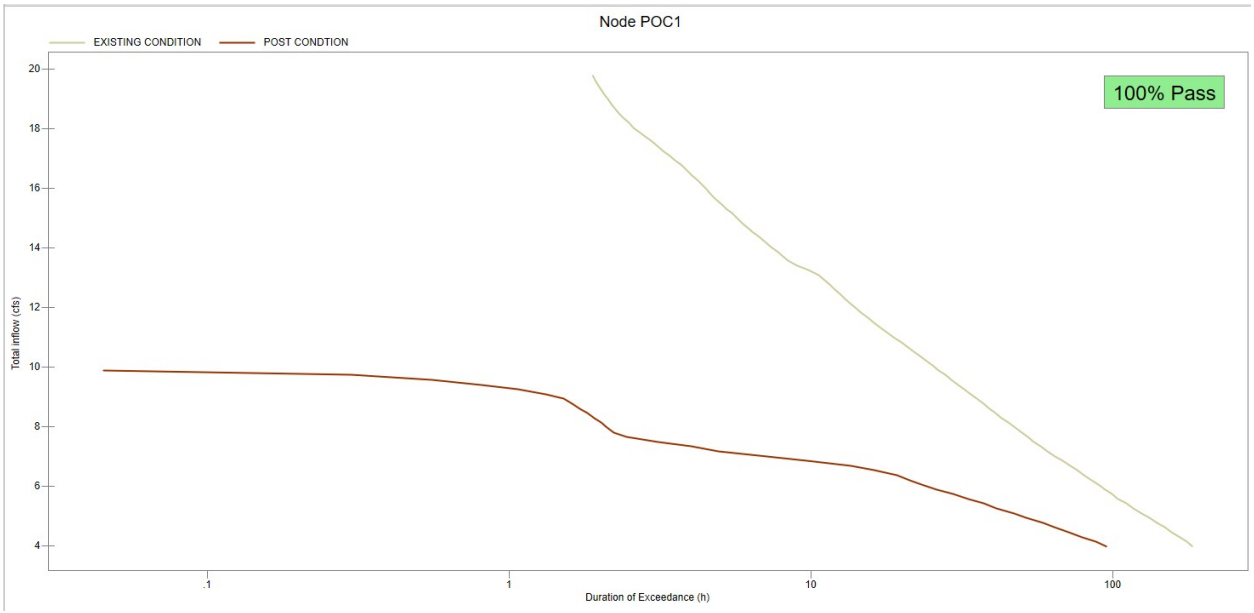
BMP-2

PARAMETER	ABBREV.	Bio-Retention Cell LID BMP	
Ponding Depth	PD	6	in
Bioretention Soil Layer	S	24	in
Gravel Layer	G	12	in
TOTAL		3.5 42	ft in
Orifice Coefficient	c_g	0.6	--
Low Flow Orifice Diameter	D	2	in
Drain exponent	n	0.5	--
Flow Rate (volumetric)	Q	0.194	cfs
Ponding Depth Surface Area	A_{PD}	**2476.06**	ft^2
Bioretention Surface Area	A_S, A_G	**2048.47**	ft^2
	A_S, A_G	0.0470	ac
Flow Rate (per unit area)	q	4.095	in/hr
Effective Ponding Depth	PD_{eff}	**6.63**	in
Flow Coefficient	C	**0.6395**	--

500	**2048.47**	STORG. START
500.75	**2476.06**	0
501	2627.59	0.25
502	3278.71	1.25
503	4001.83	2.25
504	4796.985	3.25
		MAX DEPTH
		3.25

Attachment 6

Flow Duration Comparison Curve


Node POC1
EXISTING CONDITION
POST CONDTION
100% Pass
Total inflow (cfs)
20
18
16
14
12
10
8
6
4
.1
1
10
100
Duration of Exceedance (h)

Attachment 3
Structural BMP Maintenance Information

This is the cover sheet for Attachment 3.

Indicate which Items are Included:

Attachment Sequence	Contents	Checklist
Attachment 3	Maintenance Agreement (Form DS-3247) (when applicable)	☑ Included ☐ Not applicable

The Maintenance Agreement will be completed upon final engineering

ATTACHMENT 3A

MAINTENANCE AGREEMENT

The Maintenance Agreement will be completed upon final engineering

Use this checklist to ensure the required information has been included in the Structural BMP Maintenance Information Attachment:

Attachment 3: For private entity operation and maintenance, Attachment 3 must include a Storm Water Management and Discharge Control Maintenance Agreement (Form DS-3247). The following information must be included in the exhibits attached to the maintenance agreement:

- ☑ Vicinity map
- ☑ Site design BMPs for which DCV reduction is claimed for meeting the pollutant control obligations.
- ☑ BMP and HMP location and dimensions
- ☑ BMP and HMP specifications/cross section/model
- ☑ Maintenance recommendations and frequency
- ☑ LID features such as (permeable paver and LS location, dim, SF).

The Maintenance Agreement will be completed upon final engineering

ATTACHMENT 3B

STRUCTURAL BMP MAINTENANCE THRESHOLDS AND ACTIONS